

Public-Private Partnerships

Public-Private Partnerships: Viable in the Federal Statistical System?

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MITRE

MITRE History & Background

MITRE is a **private, independent, not-for-profit** organization, chartered to work in the **public interest**.

Founded in 1958 to provide engineering and technical services to the U.S. Air Force

Supports a broad and diverse set of civilian and defense **agencies**, as well as select international customers

Currently manages **Federally Funded Research and Development Centers*** for

- Department of Health and Human Services
- Department of Defense
- Department of Homeland Security
- Federal Aviation Administration
- Department of Treasury and Department of Veterans Affairs
- Administrative Office of the U.S. Courts
- National Institute of Standards and Technology



1958

2016

* And only FFRDCs

What is an FFRDC?

Federally funded research and development centers (**FFRDCs**) were **created by the government** to address problems of **considerable complexity**, analyze technical questions with a **high degree of objectivity**, and provide **innovative and cost-effective solutions** to government problems.

FFRDCs have the following **characteristics**:

- Operate as **strategic partners** with their sponsoring government agencies
- Are organized as **independent entities** and must operate **free from organizational conflicts of interest**
- Bring together the expertise and outlook of government, industry, and academia to **solve complex technical problems**



Unique FFRDC Relationship

- **Extra-ordinary Access**
 - Access to tools and industry for evaluation and research
 - Access to government data for research and direct work
- The **FFRDC Innovation Plan** emphasizes the need to build out laboratory capabilities specific to government innovation needs

From the Federal Acquisition Regulation (FAR) 35.017 FFRDCs:
“(a) Policy

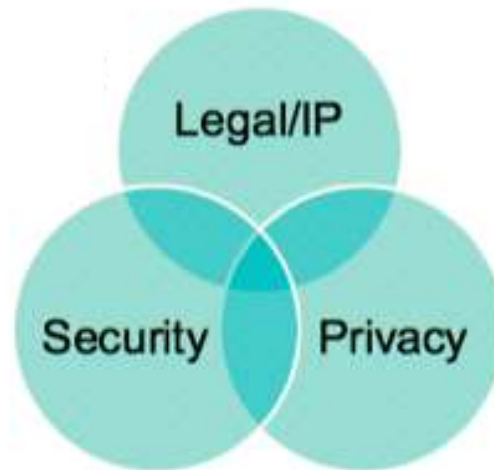
...

(2) An FFRDC meets some special long-term research or development need...An FFRDC, in order to discharge its responsibilities to the sponsoring agency, has access, beyond that which is common to the normal contractual relationship, to Government and supplier data, including sensitive and proprietary data, ...”



Trusted Third Party – Conflict Free

- **Collaborative governance**
- **Voluntary participation**
- **Reciprocal data and information sharing**
- **Trusted third party**
- **Managing Equities**
 - Partnership
 - Data sharing
 - Protocol
- **Data Security and Privacy**



Aviation Safety

Combining Proprietary, Public, and Government Data to Improve

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Aviation Safety Information Analysis and Sharing

A collaborative Government-Industry initiative on data sharing & analysis to proactively discover safety concerns before accidents or incidents occur, leading to timely mitigation and prevention



Data Availability



Airline Safety Reports
233,000 reports



Digital Aircraft Data
15 Million Flights



Radar Data
95 Million Flights



ATC Safety Reports
77,500 reports



Weather Data



Infrastructure Data

Lessons Learned



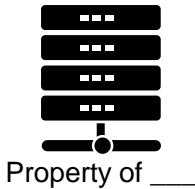
Collaborate with Industry



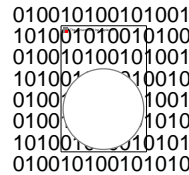
Give and Take



Operate Transparently



Respect Data Ownership



Safeguard Data



Serious Stewardship



Provide Insights

National Patient Safety Partnership



National Patient Safety Partnership

Goals

Create a public-private partnership to discover new insights and interventions in health safety



MITRE



Approach

Shared data: The whole is greater than the sum of the parts

Expertise: Partner clinicians with data scientists

Data science: Apply advanced analytics to foster new discoveries



Expected Outcome

Reduce adverse events in health care

Save lives, avoid injuries, and save healthcare costs



Leverage Diverse Data Sets

Aviation



De-identified User Reports



De-identified Digital Flight Data



ATC Information



Weather

Healthcare



EHR Data



Safety Event Reports



Physiologic Data



Administrative Data

Building Blocks for Successful Public-Private or Public-Public Partnerships

