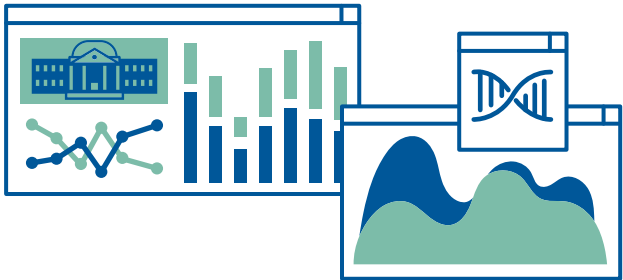


Assessing Research and Development at Federal Facilities in the United States



Federal Facilities Research and Development Survey

Federal facilities in the United States play an important part of the country's research and development (R&D) system, working on critical areas such as health and medicine, agriculture, energy, and climate. This survey measures the contributions of federal scientists and engineers to the overall U.S. R&D enterprise.

What is the Federal Facilities R&D Survey?

The Federal Facilities Research and Development Survey (Federal Facilities R&D Survey) collects information on R&D performed at facilities owned and operated by the federal government. It collects information on R&D expenditures, funding, and personnel for all U.S. federal agencies performing any amount of R&D. The Federal Facilities R&D Survey began in FY 2022 and is conducted annually by the National Center for Science and Engineering Statistics (NCSES) within the U.S. National Science Foundation.

How can I use the Federal Facilities R&D Survey?

Data from the Federal Facilities R&D Survey can answer questions like

- How many full-time federal R&D personnel are working in the United States?
- What are the total R&D expenditures at federal facilities for different fields of R&D?
- What are the sources of funds for R&D expenditures at federal facilities?
- Which type of R&D (basic research, applied research, and experimental development) has the highest expenditures at federal facilities?
- How many facilities are there within each federal agency?
- What fields and type of R&D are performed by each facility?



Why is the Federal Facilities R&D Survey important?

The Federal Facilities R&D Survey data are used to estimate total national R&D performance and other critical statistics that are essential for the analysis of global R&D competitiveness. The survey collects federal R&D performer-reported information that was not previously available, helping fill a longstanding gap in federal R&D data. Together with additional NCSES survey data, the Federal Facilities R&D Survey provides a more comprehensive understanding of U.S. R&D performance.

For more information, the [Federal Facilities R&D Survey homepage](https://ncses.nsf.gov/surveys/federal-facilities-research-development) (<https://ncses.nsf.gov/surveys/federal-facilities-research-development>) features additional details about the survey, its questionnaires, and links to related publications and products.



Data details

Where can I find Federal Facilities R&D Survey data?

The Federal Facilities R&D Survey data can be found in several places throughout the NCSES website. On the survey's [homepage](#), the Data tab offers data tables that can be downloaded by users, and the Analysis tab chronicles all NCSES publications that use the survey's data.



Federal facilities report information such as

R&D expenditures

- By source of funds
 - Federal government
 - State and local government
 - Business
 - Nonprofit
 - Other
- By type of R&D
 - Basic research
 - Applied research
 - Experimental development
- By field of R&D
 - Engineering
 - Biological, biomedical, and health sciences
 - Physical sciences
 - Other fields

Federally funded R&D expenditures by funding agency

Funding provided through public-private partnerships (yes or no)

Total headcounts of facility R&D personnel by job category

Full-time equivalent counts of federal R&D personnel by R&D function

Other R&D surveys from NCSES

Comparable data on R&D are collected by NCSES for the following additional sectors of the economy

- For-profit businesses: The Business Enterprise R&D Survey and the Annual Business Survey
- State governments: The Survey of State Government R&D
- Federally Funded Research and Development Centers: The FFRDC R&D Survey
- Universities and colleges: The Higher Education R&D Survey
- Nonprofit organizations: The Nonprofit Research Activities Survey



Survey specifics

Frequency: Annual

Initial survey year: FY 2022

Reference period: Fiscal year

Response unit: Establishment

Sample or census: Census

Population size: Approximately 470 federal facilities performing intramural R&D

Sample size: Not applicable



National Center for Science and Engineering Statistics (NCSES)

For more information about NCSES's products and data collection process, visit <https://ncses.nsf.gov>. You can also explore our Surveys page at <https://ncses.nsf.gov/surveys> to learn more about NCSES surveys and the Federal Facilities R&D Survey, as well as its methodology, survey design, and questionnaires.