Exploring Research and Development Conducted by Nonprofit Organizations in the United States

The Nonprofit Research Activities Survey

Each year, nonprofit organizations perform research and experimental development (R&D) activities that advance knowledge and develop new goods and services that benefit our nation. Nonprofit organizations perform R&D for a range of valuable specialties and fields, including health, psychology, and engineering.

What is the NPRA Survey?

The Nonprofit Research Activities (NPRA) module of the Annual Business Survey (ABS) measures R&D performed or funded by 501(c) nonprofit organizations with at least $500,000 in annual payroll in the United States. The data are collected by the Census Bureau in partnership with the National Center for Science and Engineering Statistics (NCSES) within the National Science Foundation.

How can I use the NPRA Survey?

Data from the NPRA Survey can answer questions like

- How much did U.S. nonprofit organizations spend on applied research vs. experimental development?
- What is the largest funding source for R&D at nonprofit organizations?
- Which type of nonprofit has the highest total R&D spending?
- How much funding does the U.S. government provide for nonprofit R&D?
- Which field has the largest amount of R&D spending?
- How many employees work on R&D within U.S. nonprofit organizations?

Why is the NPRA Survey important?

The NPRA Survey is the only source of comprehensive information about R&D activity and spending in the U.S. nonprofit sector. Policymakers, organization leaders, and researchers can use this survey data to help make decisions, analyze trends, and compare R&D spending with other U.S. R&D performing sectors, such as business or higher education.

For more information, the NPRA Survey homepage (https://ncses.nsf.gov/surveys/nonprofit-research-activities/) features additional details about the survey, its questionnaires, and links to related publications and products.
Where can I find NPRA Survey data?

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.

Organizations report information such as

- R&D expenditures by
  - Source of funds
  - Type of R&D (basic research, applied research, and experimental development)
  - Field of R&D
- Headcounts and full-time equivalent counts of R&D personnel
- Headcounts for contract employees and volunteers working on research activities
- R&D funding provided to other organizations, by type of funding

The NPRA Survey is a module of the ABS that focuses on nonprofit organizations. The ABS also collects R&D data on businesses with fewer than 10 employees. See the Annual Business Survey homepage (https://ncses.nsf.gov/surveys/annual-business-survey/) for more information.

Products supported by NPRA Survey data

NPRA Survey data are used in NCSES publications, such as InfoBriefs, working papers, and data tables. Its data also supplement NCSES publications such as National Patterns of R&D Resources and Science and Engineering Indicators.

Survey specifics

Frequency: Annual
Initial survey year: FY 2020
Reference period: Fiscal year
Response unit: Nonprofit organizations
Sample or census: Sample
Population size: Approximately 48,500 organizations
Sample size: Approximately 8,000 organizations