



U.S. DEPARTMENT OF COMMERCE
U.S. CENSUS BUREAU

FORM
ABS-1 (06/26/2023)

2023 ANNUAL BUSINESS SURVEY

OMB No. 0607-1004: Approval Expires 04/30/2026

DUE DATE:

WORKSHEET

DO NOT use this worksheet to respond to the survey, it is intended to assist you with gathering and preparing your data prior to reporting online.

Need help or have questions?

- **Visit** <https://www.census.gov/abs/help>
- **Call** 1-888-824-9954, between 8 a.m. and 8 p.m., Eastern time, Monday through Friday.

Please view the online report for specific instructions that may apply to your EIN or firm.

Return to **<https://portal.census.gov>** when you are ready to report online.

¿Necesita ayuda?

Si usted habla español y necesita ayuda para completar su cuestionario, llame sin cargo alguno al 1-888-824-9954, entre las 8 a.m. y las 8 p.m., hora del Este, de lunes a viernes.

(Please correct any errors in this mailing address.)

YOUR RESPONSE IS REQUIRED BY LAW. Title 13, United States Code, Sections 8(b), 131, and 182; Title 42, United States Code, Section 1861-76 (National Science Foundation Act of 1950, as amended); and Section 505 within the America COMPETES Reauthorization Act of 2010, authorize this collection. Sections 224 and 225 of Title 13 require your response. The U.S. Census Bureau is required by Section 9 of Title 13 to keep your information confidential and use your responses only to produce statistics. The Census Bureau is not permitted to publicly release your responses in a way that could identify your business, organization, or institution. Per the Federal Cybersecurity Enhancement Act of 2015, your data are protected from cybersecurity risks through screening of the systems that transmit data.

COMPLETE THIS SURVEY ONLINE

- Go to: <https://portal.census.gov>

This survey is jointly conducted by the U.S. Census Bureau and the National Center for Science and Engineering Statistics (NCSES) within the National Science Foundation.

The next questions ask about research performed and/or funded by your organization. Please read the information below before continuing.

By research we mean...

For the purposes of this survey, research includes **research and experimental development**.

Research and experimental development comprise creative and systematic work to:

- Increase the stock of knowledge, including knowledge of humankind, culture, and society OR
- Devise new applications of available knowledge, including materials, products, devices, processes, systems, or services

Research activities must be...

- **Novel:** projects that advance current knowledge or create new knowledge
- **Creative:** projects focused on original concepts and hypotheses
- **Uncertain:** project outcomes are unable to be completely determined at the outset
- **Systematic:** projects are planned and budgeted
- **Transferable/Reproducible:** project methodology and results are transferable/reproducible to other situations and locations

May meet the criteria for research

- Laboratory or animal studies
- Clinical trials
- Prototype development
- Outcomes research
- Development/measurement of new methods to deliver/measure social service outcomes
- Policy research
- Humanities research
- Research traineeships
- Other experimental studies

Most likely do not meet the criteria for research

- Internal program monitoring or evaluation
- Public service grants or outreach programs
- Education or training programs
- Quality control testing
- Market research
- Management studies/efficiency surveys
- Literary, artistic, or historical projects, such as films, music, or books and other publications
- Feasibility studies, unless included as part of an overall research project

C.5 Research Performed by Your Organization

Did your organization perform research in FY 2022?

Include:

- Research performed by your organization’s employees or contract employees. (Contract employees are individuals contracted to work on projects otherwise fully performed by your organization’s staff.)

Exclude:

- Research performed outside your organization by subcontractors or subawardees. (**Report in C.6 Research Performed by Others** on page 23.)

Yes

No

If you would like to add additional detail or clarification to your response, please comment in the space provided below.

C.6 Research Performed by Others

Did your organization fund research performed by others outside your organization in FY 2022?

Include:

- All grants, contracts, subcontracts, and subawards awarded by your organization to external recipients to perform research

Exclude:

- Research performed by your organization’s employees
- Research performed by contract employees (Contract employees are individuals contracted to work on projects otherwise fully performed by your organization’s staff.)

Yes

No

If you would like to add additional detail or clarification to your response, please comment in the space provided below.

If you reported **“No”** for **‘C.5 Research Performed by Your Organization’** AND **“No”** for **‘C.6 Research Performed by Others,’** skip to **‘Section I: Contact Information’** on page 66.

If you reported **“No”** for **‘C.5 Research Performed by Your Organization’** AND **“Yes”** for **‘C.6 Research Performed by Others,’** skip to **‘C.17 Funding for Research Performed by Other Organizations’** on page 29.

All others continue to **‘C.7 Funding for Research Performed by This Organization.’**

C.7 Funding for Research Performed by This Organization

In FY 2022, how much was spent on research performed within your organization?

Round to the nearest one thousand dollars. If none, report zero.

Include:

- Direct costs, such as salaries and wages, travel, equipment, supplies, consulting, and other expenditures directly supporting your organization’s research projects
- Indirect costs associated with research expenditures, such as general and administrative salaries and wages, fringe benefits, facility costs, depreciation, etc. These should be calculated using your organization’s applicable fringe, overhead, and General and Administrative (G&A) or Facilities and Administrative (F&A) rates.

Exclude:

- Capital expenditures (i.e., costs for construction or renovation of facilities)
Report capital expenditures in **‘C.18-C.20’** on pages 29-30.
- Payments/funds in excess of the actual cost of the research work performed (e.g., fees)
- Payments made by your organization to subcontractors or subawardees performing research outside your organization

Total

\$Bil.	Mil.	Thou.	Dol.
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>

If you would like to add additional detail or clarification to your response, please comment in the space provided below.

If **‘C.7 Funding for Research Performed by This Organization’** is less than \$50,000, then **skip to ‘Section I: Contact Information’** on page 66.

C.8 Research Funding Sources

How much of the 'C.7 Funding for Research Performed by This Organization' in funding for research performed by this organization came from each of the following sources?

Round to the nearest one thousand dollars. If none, report zero.

(1) Domestic Sources

(2) Foreign Sources

(3) Total

a. **Internal funds:** Your organization's own funds from your endowment, general donations, or other unrestricted sources. *Report only domestic sources for this item.*

\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.
0	0	0	0	0	0	0	0	0	0	0	0

b. **Federal government:** Any agency of the U.S. government. Include funds your organization received as a subcontractor or subawardee for research activities on federal projects. *Report only domestic sources for this item.*

\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.
0	0	0	0	0	0	0	0	0	0	0	0

c. **State and local government:** Any state, county, municipality, or other local government entity in the United States. *Report only domestic sources for this item.*

\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.
0	0	0	0	0	0	0	0	0	0	0	0

d. **Individual donors:** Gifts designated by the donors for research

\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.
0	0	0	0	0	0	0	0	0	0	0	0

e. **Businesses:** Domestic and foreign for-profit organizations. Report funds from a company's nonprofit foundation in **Row g.**

\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.
0	0	0	0	0	0	0	0	0	0	0	0

f. **Universities:** Domestic and foreign degree-granting institutions

\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.
0	0	0	0	0	0	0	0	0	0	0	0

g. **Foundations and all other nonprofits:** Domestic and foreign public charities and other nonprofit organizations not reported in **Row f**

\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.
0	0	0	0	0	0	0	0	0	0	0	0

h. **Other, (specify):** All other sources not reported above

\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.
0	0	0	0	0	0	0	0	0	0	0	0

Total

\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.
0	0	0	0	0	0	0	0	0	0	0	0

C.11 Research Performance by Type of Research

How much of the 'C.7 Funding for Research Performed by This Organization' in funding for research performed by this organization was for basic research, applied research, and experimental development?

Round to the nearest one thousand dollars. If none, report zero.

(1) Federal

(2) Nonfederal

(3) Total

a. **Basic research:** Experimental or theoretical work undertaken primarily to acquire new knowledge of the underlying foundations of phenomena and observable facts, without any particular application or use in view.

\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.
0	0	0	0	0	0	0	0	0	0	0	0

b. **Applied research:** Original investigation undertaken in order to acquire new knowledge. It is directed primarily towards a specific, practical aim or objective.

\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.
0	0	0	0	0	0	0	0	0	0	0	0

c. **Experimental development:** Systematic work, drawing on knowledge gained from research and practical experience and producing additional knowledge, which is directed to producing new products or processes or to improving existing products or processes.

\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.
0	0	0	0	0	0	0	0	0	0	0	0

Total: Total for column (1) should equal the amount entered for 'C.8.b. Research Funding Sources – Federal Government.' Total for column (3) should equal the amount entered for 'C.7 Funding for Research Performed by This Organization.'

\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.	\$Bil.	Mil.	Thou.	Dol.
0	0	0	0	0	0	0	0	0	0	0	0

If you would like to add additional detail or clarification to your response, please comment in the space provided below.

Examples		
Basic research	Applied research	Experimental development
A researcher is studying the properties of human blood to determine what affects coagulation.	A researcher is conducting research on how a new chicken pox vaccine affects blood coagulation.	A researcher is conducting clinical trials to test a newly developed chicken pox vaccine for young children.
A researcher is studying the properties of molecules under various heat and cold conditions.	A researcher is investigating the properties of particular substances under various heat and cold conditions with the objective of finding longer lasting components for highway pavement.	A researcher is working with state transportation officials to conduct tests of a newly developed highway pavement under various types of heat and cold conditions.
A researcher is investigating the effect of different types of manipulatives on the way first graders learn mathematical strategy by changing manipulatives and then measuring what students have learned through standardized instruments.	A researcher is studying the implementation of a specific math curriculum to determine what teachers need to know to implement the curriculum successfully.	A researcher is developing and testing software and support tools, based on fieldwork, to improve mathematics cognition for student special education.

C.12 Research Performance by Type of Cost

How much of the 'C.7 Funding for Research Performed by This Organization' spent on research performed within your organization was for each of the following types of costs?

	\$Bil.	Mil.	Thou.	Dol.
a. Salaries, wages, and fringe benefits of your organization's employees	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>
<ul style="list-style-type: none"> • Include costs for all compensation and benefits of employees that are included in the total reported on C.7. • Include payroll taxes, such as Social Security and medicare. 				
b. Costs associated with contract employees working on your organization's research	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>
c. Depreciation and amortization on property, plant, equipment, and intangible assets	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>
<ul style="list-style-type: none"> • Include depreciation on tangible research assets, such as buildings or equipment, as well as the amortization of intangible assets such as patents. 				
d. Expensed machinery and equipment	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>
<ul style="list-style-type: none"> • Include all equipment purchases for research that are beneath your organization's capitalization threshold. 				
e. Materials and supplies	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>
<ul style="list-style-type: none"> • Include costs for materials and supplies consumed for research. 				
f. All other costs	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>
<ul style="list-style-type: none"> • Include administrative and overhead costs clearly associated with your organization's research. 				
Total	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>

C.13 Research Employees for Nonprofit Organizations

Of the 'C.3 Number of Employees' employees reported, how many worked on **research activities** in FY 2022?

Include:

- Only your organization's paid employees.

Exclude:

- Contract employees. (Report in 'C.15 Research Contract Employees for Nonprofit Organizations.')

	Number
a. Researchers (including scientists, engineers, and their managers): Professionals engaged in the conception or creation of new knowledge.....	<input type="text"/>
b. Research technicians: Staff who work under the supervision of researchers to conduct research activities	<input type="text"/>
c. Other support personnel (clerical and other): Staff who provide direct support services for the research project.....	<input type="text"/>
Total	<input type="text"/>

C.14 Research Full-time Equivalents for Nonprofit Organizations

How many full-time equivalents (FTEs) worked on **research activities** in FY 2022?

FTE research personnel are calculated as the total working (paid) hours spent working on research during a specific reference period (usually a calendar year) divided by the number of hours representing a full-time schedule within the same period. Include only your organization's paid employees. For example, if you have three people working 20, 30, and 40 hours in a week on research activities and a full-time schedule is 40 hours a week at your organization, your research FTE calculation is $(20 + 30 + 40)/40 = 2.25$ FTE.

	Number of FTEs
a. Researchers (including scientists, engineers, and their managers): Professionals engaged in the conception or creation of new knowledge.	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>
b. Research technicians: Staff who work under the supervision of researchers to conduct research activities.	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>
c. Other support personnel (clerical and other): Staff who provide direct support services for the research project	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>
Total	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>

C.15 Research Contract Employees for Nonprofit Organizations

a. Did any contract employees work on your **research activities** in FY 2022?
 Contract employees are individuals contracted to work on projects otherwise fully performed by your organization staff.

Yes
 No

b. If "Yes," how many contract employees worked on your **research activities** during FY 2022?

	Employees
	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>

C.16 Research Volunteers for Nonprofit Organizations

a. Did any volunteers work on your **research activities** in FY 2022?
 Volunteers are unpaid workers contributing appreciable and essential activity to research performed by your organization. Their research skills should be comparable to those of your employees. Individuals funded by other sources to conduct research at your organization should not be considered volunteers.

Yes
 No

b. If "Yes," how many volunteers worked on your **research activities** during FY 2022? . . .

	Number
	<input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/> <input style="width: 20px; height: 20px; border: 1px solid black;" type="text"/>

If you reported "No" for 'C.6 Research Performed by Others,' skip to 'C.18 Total Capital Expenditures for your Organization' on page 29.

C.20 Capital Expenditures for Research Operations by Type of Cost

How much of the 'C.19 Total Capital Expenditures for Research Operations' in capital expenditures for research operations was for the following?

	\$Bil.	Mil.	Thou.	Dol.
a. Land acquisition.	<input type="text"/>	<input type="text"/>	<input type="text"/>	0 0 0
b. Buildings and land improvement.	<input type="text"/>	<input type="text"/>	<input type="text"/>	0 0 0
c. Equipment.	<input type="text"/>	<input type="text"/>	<input type="text"/>	0 0 0
d. Capitalized software.	<input type="text"/>	<input type="text"/>	<input type="text"/>	0 0 0
e. All other capital expenditures for research operations.	<input type="text"/>	<input type="text"/>	<input type="text"/>	0 0 0
Total	<input type="text"/>	<input type="text"/>	<input type="text"/>	0 0 0

SECTION I: CONTACT INFORMATION

Enter the first and last name of the person who is filling out this survey. We request a telephone number so we can contact you if there is a question.

Contact Name

Contact Title

Area code

Phone number

-

Ext.

Email address

Additional Remarks: Please use this space for any explanations that may be essential in understanding your reported data.

Thank you for completing the 2023 Annual Business Survey form.