FORM APPROVED OMB No. 3145-0100 Expiration Date: xx/xx/xx



HIGHER EDUCATION RESEARCH AND DEVELOPMENT SURVEY FY 2019

Please submit your survey data by January 31, 2020.

Your participation in this survey provides important information on the national level of R&D activity. The National Science Foundation (NSF) is authorized to collect this information under the National Science Foundation Act of 1950, as amended. Your institution's response is entirely voluntary.

Response to this survey is estimated to require 54 hours. If you wish to comment on the time required to complete this survey, please contact Suzanne H. Plimpton of NSF at (703) 292-7556, or e-mail splimpto@nsf.gov.

The Web address for submitting your data:

http://www.herdsurvey.org/

Or mail this form to:

ICF 530 Gaither Road, Suite 500 Rockville, MD 20850

Questions?

Technical support:

Support@HERDsurvey.org (866) 936-9376

General survey questions:

Michael Gibbons National Center for Science and Engineering Statistics National Science Foundation mgibbons@nsf.gov (703) 292-4590

Thank you for your participation.

What's New for FY 2019

Changes to Questions

- Question 4 was reformatted to include a question asking whether your institution had a medical school in FY 2019. This replaces a single checkbox previously included in the instructions. This change was made to eliminate ambiguity in some responses. There were no other changes to instructions or content of this question.
- **Question 5** was reformatted to include a question asking whether your institution conducted clinical trials in FY 2019. This replaces a single checkbox previously included in the instructions. This change was made to eliminate ambiguity in some responses. There were no other changes to instructions or content of this question.
- Question 13 was revised to clarify that the values for capitalization thresholds should be reported as dollars in thousands (e.g., 5 = \$5,000), like all expenditure values on the survey.

Survey Definitions and Instructions

This survey collects data on research and development (R&D) activities at higher education institutions. Please report R&D activities and expenditures for your institution's **2019** fiscal year.

Fiscal Year (FY)

Please report data for your institution's 2019 fiscal year.

Research and Development (R&D)

R&D activity is creative and systematic work undertaken in order to increase the stock of knowledge — including knowledge of humankind, culture, and society — and to devise new applications of available knowledge. R&D covers three activities defined below — basic research, applied research, and experimental development.

- **Basic research** is 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.
- **Applied research** is original investigation undertaken in order to acquire new knowledge. It is directed primarily towards a specific, practical aim or objective.
- **Experimental development** is 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.

R&D Expenditures

Include all expenditures for R&D activities from your institution's current operating funds that are separately accounted for. For purposes of this survey, R&D includes expenditures for organized research as defined by 2 CFR Part 200 Appendix III and expenditures from funds designated for research.

R&D includes:

- Sponsored research (federal and nonfederal)
- University research (institutional funds that are separately budgeted for individual R&D projects)
- Startup, bridge, or seed funding provided to researchers within your institution
- Other departmental funds designated for research
- Recovered and unrecovered indirect costs (see definitions in Question 1)
- Equipment purchased from R&D project accounts
- R&D funds passed through to a subrecipient organization, educational or other
- Clinical trials, Phases I, II, or III (see definition in Question 5)
- Research training grants funding work on organized research projects
- Tuition remission provided to students working on research

R&D does not include:

- Public service grants or outreach programs
- Curriculum development (unless included as part of an overall research project)
- R&D conducted by university faculty or staff at outside institutions that is not accounted for in your financial records
- Estimates of the proportion of time budgeted for instruction that is spent on research
- Capital projects (i.e., construction or renovation of research facilities)
- Non-research training grants
- Unrecovered indirect costs that exceed your institution's federally negotiated Facilities and Administrative (F&A) rate

Reporting Units	
Please <i>include</i> these components of your institution:	Please do <i>not</i> include:
 All units of your institution included in or with your financial statements, such as: Agricultural experiment stations Branch campuses Medical schools Hospitals or clinics Research centers and facilities A university 501(c)3 foundation 	 Federally Funded R&D Centers (FFRDCs). This information is collected separately. See the list of FFRDCs: http://www.nsf.gov/statistics/ffrdc/. Other organizations or institutions, such as teaching hospitals or research institutes, with which your institution has an affiliation or relationship, but which are not components of your institution. Other campuses headed by their own president, chancellor, or equivalent within your university system. Each campus is asked to respond separately.

Question 1. How much of your total expenditures for research and development (R&D) came from the following sources in FY 2019? (See definition of R&D on the previous page.)

- In rows a, b, c, d, and f: Include both **direct** and **recovered indirect costs** (reimbursement of F&A costs from external sponsors).
- Report the **original source** of funds, when possible.
- Include all fields of R&D (e.g., sciences, engineering, humanities, education, law, arts).
 See full listing in Question 9.

So	urce of funds	R&D expenditures (Dollars in thousands) (for example, report \$25,342 as \$25)
a.	U.S. federal government	(101 example, 10port \$20,042 do \$20)
	Any agency of the United States government. Include federal funds passed through from another institution. Funds from FFRDCs should be treated as direct federal funding.	\$
b.	State and local government	
	Any state, county, municipality, or other local government entity in the United State including state health agencies. Include state funds that support R&D at agricultur and other experiment stations.	
	Public institutions should report state appropriations restricted for R&D activities have than in row e, Institutional funds.	ere
c.	Business	r.
	Domestic or foreign for-profit organizations. Report funds from a company's nonprofit foundation in row d.	\$
d.	Nonprofit organizations	
	Domestic or foreign nonprofit foundations and organizations, except universities and colleges. Report funds from your institution's 501(c)3 foundation in row e1. Funds from other universities and colleges should be reported in row f.	\$
e.	Institutional funds	
	Institutionally financed research	¢.
	All R&D funded by your institution from accounts that are only used for research. Exclude institution research administration and support (e.g., office of sponsored programs).	\$(Confidential ¹)
	2. Cost sharing	
	Include committed cost sharing other than unrecovered indirect costs.	\$(Confidential ¹)
	3. Unrecovered indirect costs	
	Calculate this amount as follows for your externally funded R&D only (preferably on a project-specific basis) using the appropriate cost rate—on-campus, off-campus, etc.	\$(Confidential ¹)
	 First, multiply the <u>negotiated</u> rate by the corresponding base. Second, subtract recovered indirect costs. 	
	4. Total institutional funds ²	\$ <u>TOTAL</u>
f.	All other sources	
	Other sources not reported above, such as funds from foreign governments, foreign or U.S. universities, and gifts designated by the donors for research.	\$
g.	Total ²	\$ TOTAL
Infor	mation from confidential items is not published or released for individual institutions: only ago	gregate totals will appear in

Information from confidential items is not published or released for individual institutions; only aggregate totals will appear in publications. In accordance with the National Science Foundation Act of 1950, as amended, and other applicable federal laws, your responses will not be disclosed in identifiable form to anyone other than agency employees or authorized persons. Per the Federal Cybersecurity Enhancement Act of 2015, your data are protected from cybersecurity risks through screening of the federal information systems that transmit your data.

² Totals for rows e4 and g are automatically generated on the Web survey.

Quest	tion 1.1. Did you include the following types of funding in your responses to Quest	tion 1, row e1?
		Included
a.	Competitively awarded internal grants for research	
	Expenditures for organized research projects, involving a proposal or statement of work with expected research outcomes.	
b.	Startup packages/bridge funding/seed funding	
	Expenditures from funds provided to faculty members to begin or continue their research while seeking external sponsors.	
c.	Other departmental funds designated for research	
	Expenditures for research from other departmental or central accounts which do not match the descriptions provided in rows a or b.	
d.	Tuition assistance for student research personnel	
	University tuition assistance, waivers, or remission provided to students working on organized research. Please check "Included" even if these funds are reported as part of the expenditures included under rows a, b, or c.	

Questi	on 2.	How much of the total R&D expenditures reported in Question 1, row g the following foreign sources?	, came from
		If you cannot break out expenditures for these categories, check here and enter total expenditures from foreign sources on row e.	
Sou	rce of fu	nds	R&D expenditures (Dollars in thousands)
a.	Foreign	government	•
		of foreign government, including national, regional, municipality, or other ernment.	\$
b.	Busines	s	
(company	or-profit organizations. Projects sponsored by a U.S. location of a foreign are not considered foreign. Report funds from a company's nonprofit on in row c.	\$
c.	Nonprof	it organizations	
1	Foreign r	nonprofit foundations and organizations, except higher education institutions. om foreign universities should be reported in row d.	\$
d.	Higher e	ducation	
	Foreign of institution	colleges and universities and units owned, operated, and controlled by such as.	\$
е.	All other	sources	
I	United N	nternational governmental organizations located in the U.S., such as the ations, the World Bank, and the International Monetary Fund and all other ending funds to the U.S. from a location outside the U.S. and its territories.	\$
f.	Total ¹		\$ TOTAL
¹ The c	olumn tota	al is automatically generated on the Web survey.	
Questi	on 3.	Of the total R&D expenditures that were externally funded (all sources the institutional funds reported in Question 1, row e4), how much was runder each of the following types of agreements?	
			R&D expenditures (Dollars in thousands)
а.	Contract	s (including direct or prime contracts and subcontracts)	¢
ı	by your ii	s are legal commitments in which a good or service is provided nstitution that benefits the sponsor. The sponsor specifies the les and gains the rights to results.	\$
b. (Grants. ı	reimbursements, and all other agreements	
ı	Include a	Il other agreements in which payments are received but no service other than periodic reporting is required in exchange.	\$
	T-4-11		
	Total ¹		\$ TOTAL
	(Total sh	ould match Question 1, row g minus Question 1, row e4)	
1 The co	olumn tota	al is automatically generated on the Web survey.	

Question 4.			
A. Did your institution have a medical school (that is, a school that	Yes □ →	Go to Question 4B.
awards the MD or DO degree) in FY 2019?		No □→	Go to Question 5.
B. Of the total R&D expenditures reported in Q your medical school?	uestion 1, row g, how m	uch was expende	d for R&D projects in
Include projects that are assigned to the medical medical school.	al school or to research ce	nters that are orga	nizationally part of the
			R&D expenditures (Dollars in thousands)
Total R&D expenditures in the university's n	nedical school		\$
Question 5.			
4.00.00			
	=	Yes 🗌 →	Go to Question 5B.
A. Did your institution conduct any clinical tria	Is in FY 2019?	No □→	Go to Question 6.
Clinical trials are research studies designed effects of drugs, vaccines, medical devices patients. Clinical trials are used to determine	, tests, treatments, and oth	ner therapies for	
For reference, the National Institutes of Hearnton into the following four phases.	alth (NIH) categorizes hum	an clinical trials	
Please include:			
 Phase I uses a small group of human patientify side effects. 	nts (20–80) to evaluate sa	fety and	
 Phase II uses a larger group (100–300) to t safety. 	est effectiveness and furth	er evaluate	
 Phase III uses a large group (1,000–3,000) effects, compare to commonly used treatment 			
Please exclude:	·		
 Phase IV is a post-market study that collect and optimal use. 	s more information on risk	s, benefits,	
·			
B. Of the total R&D expenditures reported in Q and Phase III clinical trials with human patie		ich was expended	d for Phase I, Phase II,
		R&D expenditur (Dollars in thousar	
	(1) Federal	(2) Nonfederal	(3) I Total¹
Human clinical trials	¢	ď	ф тот 1 х
Trials with human patients	\$	\$	_ \$ <u>TOTAL</u>
¹ The row total is automatically generated on the Web surve	ey.		

Question 6. What amounts of your FY 2019 R&D expenditures were for basic research, applied research, and experimental development?

If possible, these categories defining the type of R&D should be coded at the individual project level by the principal investigator. Estimates are acceptable if necessary.

See the table below this question for examples.

Row and column totals are automatically generated on the Web survey.

R&D expenditures (Dollars in thousands) (1) (2) (3) Nonfederal Federal Total¹ a. Basic research Experimental or theoretical work undertaken \$ TOTAL primarily to acquire new knowledge of the underlying foundations of phenomena and observable facts, without any particular application or use in view. b. Applied research \$ TOTAL Original investigation undertaken in order to acquire new knowledge. It is directed primarily towards a specific, practical aim or objective. c. Experimental development \$ TOTAL 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. d. Total¹ \$ TOTAL \$ TOTAL \$ TOTAL Column 1 total should match Question 1, row a. Column 3 total should match Question 1, row g.

	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 needed 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.

Question 7. How much of your R&D expenditures reported in Question 1 did your institution receive as a subrecipient?

Please report the original source of funds in columns (1) and (2) and the pass-through source in rows a-d.

Funds received directly from an FFRDC should be treated as direct federal funding and not included on this question.

The **subrecipient** for an award carries out the work but receives the funds from a pass-through entity rather than directly from the original funding source. Subrecipients tend to be the co-authors of publications, writers of technical reports discussing findings, inventors, etc. Do **not** include contractor or vendor relationships. A contractor or vendor receives payment for goods and services provided. See 2 CFR Part 200 Subpart D Section 330.

Examples:

- A university receives federal funds from another university as a subaward (Row a, column 1).
- A university receives federal funds from a company as a subaward (Row b, column 1).

Originating source of R&D expenditures (Dollars in thousands)

	(4)	(0)	(0)
Entity passing funds to your institution	(1) Federal	(2) Nonfederal	(3) Total¹
 U.S. higher education institutions Colleges and universities and units owned, operated, and controlled by such institutions 	\$	\$	\$ <u>TOTAL</u>
b. Businesses For-profit organizations	\$	\$	\$ TOTAL
c. Nonprofit organizations Nonprofit foundations and organizations	\$	\$	\$ TOTAL
 d. Other State and local governments, foreign institutions including foreign universities/colleges, and others 	\$	\$	\$ TOTAL
e. Total ¹	\$ TOTAL	\$ TOTAL	\$ TOTAL
Row and column totals are automatically generated on the Web	survey.		

Question 8. How much of the R&D expenditures reported in Question 1 did your institution pass through to subrecipients?

Please report the original source of funds in columns (1) and (2) and the entity receiving the funds in rows a-d.

Do **not** include contractor or vendor relationships. A contractor or vendor receives payment for goods and services provided. See 2 CFR Part 200 Subpart D Section 330.

Examples:

- Your institution passed through federal funds to another university (Row a, column 1).
- Your institution passed through funds from a company to another university (Row a, column 2).

Originating source of R&D expenditures (Dollars in thousands)

En	tity receiving funds from your institution	(1) Federal	(2) Nonfederal	(3) Total¹
a.	U.S. higher education institutions Colleges and universities and units owned, operated, and controlled by such institutions	\$	\$	\$ TOTAL
b.	Businesses For-profit organizations	\$	\$	\$ TOTAL
C.	Nonprofit organizations Nonprofit foundations and organizations	\$	\$	\$ TOTAL
d.	Other State and local governments, foreign institutions including foreign universities/colleges, and others	\$	\$	\$ TOTAL
e.	Total ¹	\$ TOTAL	\$ TOTAL	\$ TOTAL
¹ Row	and column totals are automatically generated on the Web s	survey.		

Question 9A–B. What were your FY 2019 R&D expenditures in the computer and information sciences and engineering funded by the federal agency sources below? (R&D expenditures from nonfederal sources will be reported in Question 11.)

- Question 9 total (page 18, row K, column h) should match Question 1, row a.
- Please see "Related Information" on the survey website for a list of the subagencies belonging to each agency shown below.
- If an individual project involves more than one of the 40 fields of R&D, please prorate expenditures when possible and report the amount for each field involved.
- For subrecipient funding, report the agency that sponsored the original award.
- Funding from FFRDCs should be reported under the primary sponsoring agency for that center.

R&D expenditures from federal sources¹ (Dollars in thousands)

			,		,			
D0D 51 11	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
R&D Fields (Examples listed below)	USDA	DoD	Energy	HHS, includes NIH	NASA	NSF	Other	Total ²
A. Computer and Information Sciences	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
B. Engineering								
Aerospace, Aeronautical, and Astronautical Engineering	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
Bioengineering and Biomedical Engineering	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
Chemical Engineering	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
4. Civil Engineering	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
5. Electrical, Electronic, and Communications Engineering	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
Industrial and Manufacturing Engineering	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
7. Mechanical Engineering	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
Metallurgical and Materials Engineering	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
9. Other Engineering	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
10. Total ²	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL

¹ **Key:** USDA, Department of Agriculture; DoD, Department of Defense; Energy, Department of Energy; HHS, Department of Health and Human Services; NASA, National Aeronautics and Space Administration; NIH, National Institutes of Health; NSF, National Science Foundation. "Other" includes all other federal agencies.

² Row and column totals are automatically generated on the Web survey.

Examples of Disciplines: Computer and Information Sciences and Engineering Fields of R&D

A. Computer and Information Sciences

Artificial intelligence
Computer and information
technology administration and
management
Computer science

Computer software and media applications Computer systems analysis Computer systems networking

and telecommunications

Data processing Information sciences, studies Information technology

B. Engineering

1. Aerospace, Aeronautical, and Astronautical Engineering

Aerodynamics Aerospace engineering Space technology

2. Bioengineering and Biomedical Engineering

Biological and biosystems engineering Biomaterials engineering Biomedical technology Medical engineering

3. Chemical Engineering

Biochemical engineering Chemical and biomolecular engineering Engineering chemistry Paper science Petroleum refining process Polymer, plastics engineering

4. Civil Engineering

Architectural engineering
Construction engineering
Engineering management,
administration
Environmental, environmental
health engineering
Geotechnical and
geoenvironmental engineering
Sanitary engineering
Structural engineering
Surveying engineering
Transportation and highway
engineering
Water resources engineering

5. Electrical, Electronic, and Communications Engineering

Communications engineering
Computer engineering
Computer hardware
engineering
Computer software engineering
Electrical and electronics
engineering
Laser and optical engineering
Power

Power Telecommunications engineering

6. Industrial and Manufacturing Engineering

Industrial engineering Manufacturing engineering Operations research Systems engineering

7. Mechanical Engineering

Electromechanical engineering Mechatronics, robotics, and automation engineering

8. Metallurgical and Materials Engineering

Ceramic sciences and engineering
Geophysical, geological engineering
Materials engineering
Metallurgical engineering
Mining and mineral engineering
Textile sciences and engineering
Welding

9. Other Engineering

Agricultural engineering
Engineering design
Engineering mechanics,
physics, and science
Engineering physics
Engineering science
Forest engineering
Nanotechnology
Naval architecture and marine
engineering
Nuclear engineering
Ocean engineering
Petroleum engineering

Other engineering fields that cannot be classified using the fields listed above

	300	ii ces wiii be	reported iii	Question 11	•)				
					ditures from Dollars in thou		ces ¹		
R&D Field	J.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	listed below)	USDA	DoD	Energy	HHS, includes NIH	NASA	NSF	Other	Total ²
C. Geosc	ciences, Atmo	ospheric Sci	ences, and	Ocean Scien	ces				
Scie	nospheric ence and reorology	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
	ological and th Sciences	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
and	ean Sciences I Marine ences	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
Atm Scie	er osciences, nospheric ences, and ean Sciences	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
5. Tot	al ²	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL

Examples of Disciplines: Geosciences, Atmospheric Sciences, and Ocean Sciences Fields of R&D

C. Geosciences, Atmospheric Sciences, and Ocean Sciences

² Row and column totals are automatically generated on the Web survey.

1. Atmospheric Science and Meteorology

Aeronomy Atmospheric chemistry and climatology

Atmospheric physics and dynamics

Extraterrestrial atmospheres

Meteorology

Solar

Weather modification

2. Geological and Earth **Sciences**

Earth and planetary sciences Geochemistry Geodesy and gravity Geology Geomagnetism Geophysics and seismology Hydrology and water resources Minerology and petrology

Paleomagnetism Paleontology Physical geography

Stratigraphy and sedimentation

Surveying

3. Ocean Sciences and **Marine Sciences**

Biological oceanography Geological oceanography Marine biology Marine oceanography Marine sciences

Oceanography, chemical and physical

4. Other Geosciences, Atmospheric Sciences. and Ocean Sciences

Other fields that cannot be classified using the fields listed above

Question 9D. What were your FY 2019 R&D expenditures in the life sciences funded by the federal agency sources below? (R&D expenditures from nonfederal sources will be reported in Question 11.)

R&D expenditures from federal sources¹ (Dollars in thousands)

	Fields ples listed below) fe Sciences	(a) USDA	(b) DoD	(c) Energy	(d) HHS, includes NIH	(e) NASA	(f) NSF	(g) Other	(h) Total²
	Agricultural Sciences	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
2.	Biological and Biomedical Sciences	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
3.	Health Sciences	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
4.	Natural Resources and Conservation	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
5.	Other Life Sciences	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
6.	Total ²	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL

¹ **Key:** USDA, Department of Agriculture; DoD, Department of Defense; Energy, Department of Energy; HHS, Department of Health and Human Services; NASA, National Aeronautics and Space Administration; NIH, National Institutes of Health; NSF, National Science Foundation. "Other" includes all other federal agencies.

Examples of Disciplines: Life Sciences Fields of R&D

D. Life Sciences

1. Agricultural Sciences

Agricultural business and management Agricultural chemistry Agricultural economics Agricultural engineering—report in Engineering Agricultural production operations Animal sciences Applied horticulture and horticultural business services Aquaculture Food science and technology International agriculture Plant sciences Soil sciences Wood science

2. Biological and Biomedical Sciences

Allergies and immunology Biochemistry, biophysics, and molecular biology Biogeography Biology and biomedical sciences, general Biomathematics, bioinformatics, and computational biology Biotechnology Botany and plant biology Cell, cellular biology, and anatomical sciences Epidemiology, ecology and population biology Genetics Microbiological sciences and immunology Molecular medicine Neurobiology and neuroscience Pharmacology and toxicology Physiology, pathology and related sciences Zoology, animal biology

3. Health Sciences

Advanced, graduate dentistry and oral sciences Allied health and medical assisting services Bioethics, medical ethics Clinical medicine research Clinical/medical laboratory science/research and allied professions

Communication disorders sciences and services Dentistry Dietetics and clinical nutrition services Health and medical administrative services Health, medical preparatory programs Gerontology, health sciences Kinesiology and exercise science Medical clinical science, graduate medical studies Medical illustration and informatics Medicine Mental health Nursing Optometry Osteopathic medicine, osteopathy Pharmacy, pharmaceutical sciences, and administration Podiatric medicine, podiatry Public health Radiological science

Registered nursing, nursing administration, nursing research and clinical nursing Rehabilitation and therapeutic professions Veterinary biomedical and clinical sciences Veterinary medicine Zoology

4. Natural Resources and Conservation

and management
Forestry
Natural resources conservation
and research
Natural resources economics
Natural resources management

Fishing and fisheries sciences

Renewable natural resources Wildlife and wildlands science and management

5. Other Life Sciences

and policy

Other life sciences that cannot be classified using the fields listed above

Question 9 continues on next page.

² Row and column totals are automatically generated on the Web survey.

			ırces will be	R&D expe	nditures from (Dollars in thou		rces ¹		
D 0 D E:-	lala	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
R&D Fie Example	s listed below)	USDA	DoD	Energy	HHS, includes NIH	NASA	NSF	Other	Total ²
	nematics and stics	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
F. Phys	sical Sciences								
	stronomy and strophysics	\$	\$	\$	\$	\$	\$	\$	\$ TOTA
2. C	hemistry	\$	\$	\$	\$	\$	\$	\$	\$ TOTA
_	aterials cience	\$	\$	\$	\$	\$	\$	\$	\$ TOTA
4. P	hysics	\$	\$	\$	\$	\$	\$	\$	\$ TOTA
	ther Physical ciences	\$	\$	\$	\$	\$	\$	\$	\$ TOTA
6. T e	otol ²	¢ TOTAL	\$ TOTAL	\$ TOTAL	¢ TOTAI	\$ TOTAL	¢ TOTAI	\$ TOTAL	\$ TOTA
0. 10	otai-	\$ TOTAL	\$ IOIAL	\$ <u>101AL</u>	\$ TOTAL	\$ IOIAL	\$ TOTAL	\$ IUIAL	Ψ 10171
6. Psyc	chology JSDA, Departmen n Services; NASA	\$nt of Agricultu	\$re; DoD, Depa	\$	\$ nse; Energy, De	\$ epartment of E	\$ nergy; HHS, [\$	\$ <u>TOTA</u> Health and
Found 2 Row a Exam	chology JSDA, Departmen	\$nt of Agricultu A, National Ae ludes all other are automation olines: Mat	\$ re; DoD, Depa eronautics and r federal agend cally generated	\$ artment of Defe Space Adminis cies. If on the Web st	\$ nse; Energy, De stration; NIH, Na urvey.	\$epartment of Eational Institute	\$ Inergy; HHS, [es of Health; N	\$ Department of ISF, National S	\$ <u>TOTA</u> Health and Science
1 Key: U Human Found 2 Row a Exam Mathel	JSDA, Department Services; NASA ation. "Other" included to column totals ples of Discip matics and Sta	\$nt of Agricultu A, National Ae ludes all other are automation olines: Mat	\$ re; DoD, Depa ronautics and r federal agend cally generated hematics a	\$ artment of Defe Space Adminis cies. If on the Web st	\$ nse; Energy, De stration; NIH, Na urvey. es, Physical	\$epartment of Eational Institute	\$ Inergy; HHS, [es of Health; N	\$ Department of ISF, National S	\$ <u>TOTA</u> Health and Science

Question 9 continues on next page.

Question 9H–I. What were your FY 2019 R&D expenditures in the social sciences and other sciences funded by the federal agency sources below? (R&D expenditures from nonfederal sources will be reported in Question 11.)

R&D expenditures from federal sources¹ (Dollars in thousands)

DOD Fields	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
R&D Fields (Examples listed below)	USDA	DoD	Energy	HHS, includes NIH	NASA	NSF	Other	Total ²
H. Social Sciences								
1. Anthropology	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
2. Economics	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
Political Science and Government	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
 Sociology, Demography, and Population Studies 	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
5. Other Social Sciences	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
6. Total ²	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL
I. Other Sciences	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL

¹ **Key:** USDA, Department of Agriculture; DoD, Department of Defense; Energy, Department of Energy; HHS, Department of Health and Human Services; NASA, National Aeronautics and Space Administration; NIH, National Institutes of Health; NSF, National Science Foundation. "Other" includes all other federal agencies.

Examples of Disciplines: Social Sciences and Other Sciences Fields of R&D

H. Social Sciences

1. Anthropology

Cultural anthropology Medical anthropology Physical and biological anthropology

2. Economics

Applied economics
Business development
Development economics and
international development
Econometrics and quantitative
economics
Industrial economics
International economics
Labor economics
Managerial economics
Public finance and fiscal policy

3. Political Science and Government

Comparative government Government Legal systems Political economy Political science Political theory

4. Sociology, Demography, and Population Studies

Comparative and historical sociology
Complex organizations
Cultural and social structure
Demography and population studies
Group interactions
Rural sociology
Social problems and welfare theory
Sociology

5. Other Social Sciences

Archeology
Area, ethnic, cultural, gender, and group studies
Cartography
Criminal science and corrections
Criminology
Geography
Gerontology, social sciences
International relations and national security studies
Linguistics
Public policy analysis
Regional studies
Urban studies, affairs

I. Other Sciences

Use this category for R&D that involves at least one S&E field (rows A–H) if it is impossible to report multidisciplinary or interdisciplinary R&D expenditures in specific fields.

² Row and column totals are automatically generated on the Web survey.

Question 9J–K. What were your FY 2019 R&D expenditures in the non-science and engineering (non-S&E) fields funded by the federal agency sources below? (R&D expenditures from nonfederal sources will be reported in Question 11.)

R&D expenditures from federal sources ¹
(Dollars in thousands)

R&D Fields	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
(Examples listed below)	USDA	DoD	Energy	HHS, includes NIH	NASA	NSF	Other	Total ²
J. Non-S&E Fields								
Business Management and Business Administration	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
Communication and Communications Technologies	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
3. Education	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
4. Humanities	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
5. Law	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
6. Social Work	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
Visual and Performing Arts	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
8. Other Non-S&E Fields	\$	\$	\$	\$	\$	\$	\$	\$ TOTAL
9. Total ²	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL
K. Total for All Fields of R&D ²	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL

Total for row K, column h should equal Total for Question 1, row a.

¹ **Key:** USDA, Department of Agriculture; DoD, Department of Defense; Energy, Department of Energy; HHS, Department of Health and Human Services; NASA, National Aeronautics and Space Administration; NIH, National Institutes of Health; NSF, National Science Foundation. "Other" includes all other federal agencies.

² Row and column totals are automatically generated on the Web survey.

Examples of Disciplines: Non-S&E Fields of R&D

J. Non-S&E Fields

1. Business Management and Business Administration

Business administration Business management Business, managerial economics Management information systems and services Marketing management and research

2. Communication and Communications Technologies

Communication and media studies Communications technologies Journalism Radio, television, and digital communication

3. Education

Education administration and supervision Education research Teacher education, specific levels and methods Teaching fields

4. Humanities

English language and literature, letters
Foreign languages and literatures
History, including history and philosophy of science and technology
Humanities, general
Liberal arts and sciences
Philosophy and religious studies
Theology and religious vocations

5. Law

Law Legal studies

6. Social Work

(no specific examples)

7. Visual and Performing Arts

Drama, theatre arts and stagecraft Film, video, and photographic arts Fine and studio arts Music

8. Other Non-S&E Fields

Architecture
City, urban, community and regional planning

Family, consumer sciences and human sciences

Foods, nutrition, and wellness studies

Landscape architecture

Library science

Military technology and applied science

Parks, sports, recreation, leisure and fitness

Public administration and public affairs

Other non-S&E fields that cannot be classified using the fields listed above

Also, use this category for R&D that involves multiple non-S&E fields if it is impossible to report multidisciplinary or interdisciplinary R&D expenditures in specific fields.

Question 10. Of the amount reported for Other federal sources in Question 9 (row K, column g), which agencies funded this R&D and how much of the reported amount was from each agency?

If your institution reported \$0 in Question 9, row K, column g, skip this question and go to Question 11.

- Use rows a–j to list up to 10 agencies that funded the largest R&D expenditures.
- Use row k to report any remaining amount.
- For subrecipient funding in this question, list the sponsor of the original award.
- Please see "Related Information" on the survey website for a list of federal agencies and their subagencies.

	and their subagencies.	
Federa	l agencies (list up to 10)	R&D expenditures (Dollars in thousands)
a.		\$
b.		\$
C.		\$
_1		
d.		\$
e.		ф
0.		\$
f.		\$
		Ψ
g.		\$
		'
h.		\$
i.		\$
j.		\$
		Ф
k.	Other agencies included in Question 9, column g, but not listed above	\$
l.	Total (should match Question 9, row K, column g) ¹	\$ TOTAL
¹ The colur	nn total is automatically generated on the Web survey.	

Question 11A–B. What were your FY 2019 R&D expenditures in the computer and information sciences and engineering fields funded by the nonfederal sources below?

- The totals in row K, page 24 should match the corresponding sources in Question 1, rows b-f.
- If an individual project involves more than one of the 40 fields of R&D, please prorate expenditures when possible and report the amount for each field involved.

R&D expenditures from nonfederal sources (Dollars in thousands)

(Donais in tilousanus)						
R&D Fields	(a) State and local	(b)	(c) Nonprofit	(d) Institutional	(e) Other nonfederal	(f)
(See Question 9, p. 13)	government	Business	organizations	funds	sources	Total ¹
A. Computer and Information Sciences	\$	\$	\$	\$	\$	\$ TOTAL
B. Engineering						
Aerospace, Aeronautical, and Astronautical Engineering	\$	\$	\$	\$	\$	\$ TOTAL
Bioengineering and Biomedical Engineering	\$	\$	\$	\$	\$	\$ TOTAL
3. Chemical Engineering	\$	\$	\$	\$	\$	\$ TOTAL
4. Civil Engineering	\$	\$	\$	\$	\$	\$ TOTAL
Electrical, Electronic, and Communications Engineering	\$	\$	\$	\$	\$	\$ TOTAL
Industrial and Manufacturing Engineering	\$	\$	\$	\$	\$	\$ TOTAL
7. Mechanical Engineering	\$	\$	\$	\$	\$	\$ TOTAL
Metallurgical and Materials Engineering	\$	\$	\$	\$	\$	\$ TOTAL
9. Other Engineering	\$	\$	\$	\$	\$	\$ TOTAL
10. Total¹	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL
¹ Row and column totals are automaticall	y generated on the	e Web survey.				

Examples of disciplines for the above fields of R&D are listed on page 13.

Question 11C-D. What were your FY 2019 R&D expenditures in the R&D fields listed below funded by the nonfederal sources below? R&D expenditures from nonfederal sources (Dollars in thousands) (b) (f) (c) (d) (e) (a) Other State and Institutional local Nonprofit nonfederal R&D Fields government **Business** organizations funds Total¹ (See Question 9, pp. 14-15) sources C. Geosciences, Atmospheric Sciences, and Ocean Sciences 1. Atmospheric Science and Meteorology \$ TOTAL 2. Geological and Earth Sciences \$ TOTAL 3. Ocean Sciences and Marine Sciences \$ TOTAL 4. Other Geosciences, Atmospheric Sciences, and \$ TOTAL Ocean Sciences 5. Total1 \$ TOTAL \$ TOTAL \$ TOTAL \$ TOTAL \$ TOTAL \$ TOTAL D. Life Sciences 1. Agricultural Sciences \$ TOTAL 2. Biological and Biomedical Sciences \$ TOTAL 3. Health Sciences \$ TOTAL 4. Natural Resources and Conservation \$ TOTAL 5. Other Life Sciences \$ TOTAL 6. Total1 \$ TOTAL \$ TOTAL \$ TOTAL \$ TOTAL \$ TOTAL \$ TOTAL

Examples of disciplines for the above fields of R&D are listed on pages 14-15.

¹ Row and column totals are automatically generated on the Web survey.

Question 11E-I. What were your FY 2019 R&D expenditures in the R&D fields listed below funded by the nonfederal sources below? R&D expenditures from nonfederal sources (Dollars in thousands) (b) (f) (c) (d) (e) (a) Other State and Institutional local **Nonprofit** nonfederal R&D Fields Total¹ government **Business** organizations **funds** (See Question 9, pp. 16-17) sources E. Mathematics and Statistics \$ TOTAL F. Physical Sciences 1. Astronomy and Astrophysics \$ TOTAL 2. Chemistry \$ TOTAL 3. Materials Science \$ TOTAL 4. Physics \$ TOTAL 5. Other Physical Sciences \$ TOTAL

1. Anthropology	\$ \$	\$ \$	\$ \$ TOTAL

\$ TOTAL

2. Economics \$____ \$___ \$___ \$___ \$___ \$_TOTAL

6. Total¹ \$\frac{\text{TOTAL}}{\text{TOTAL}} \$\frac{\text{TOTAL}}{\text{TOTAL}} \$\frac{\text{TOTAL}}{\text{TOTAL}} \$\frac{\text{TOTAL}}{\text{TOTAL}} \$\frac{\text{TOTAL}}{\text{TOTAL}}\$

6. Total1

G. Psychology

H. Social Sciences

Examples of disciplines for the above fields of R&D are listed on pages 16-17.

¹ Row and column totals are automatically generated on the Web survey.

Question 11J–K. What were your FY 2019 R&D expenditures in the non-science and engineering (non-S&E) fields funded by the nonfederal sources below?

R&D expenditures from nonfederal sources (Dollars in thousands)

R&D Fields (See Question 9, p. 19)	(a) State and local government	(b) Business	(c) Nonprofit organizations	(d) Institutional funds	(e) Other nonfederal sources	(f)
J. Non-S&E Fields						
Business Management and Business Administration	\$	\$	\$	\$	\$	\$ TOTAL
Communication and Communications Technologies	\$	\$	\$	\$	\$	\$ TOTAL
3. Education	\$	\$	\$	\$	\$	\$ TOTAL
4. Humanities	\$	\$	\$	\$	\$	\$ TOTAL
5. Law	\$	\$	\$	\$	\$	\$ TOTAL
6. Social Work	\$	\$	\$	\$	\$	\$ TOTAL
7. Visual and Performing Arts	\$	\$	\$	\$	\$	\$ TOTAL
8. Other Non-S&E Fields	\$	\$	\$	\$	\$	\$ TOTAL
9. Total ¹	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL
K. Total for All Fields of R&D ¹	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL	\$ TOTAL

Totals in row K, columns a-e should match corresponding sources in Question 1, rows b-f.

Examples of disciplines for non-S&E fields of R&D are listed on page 19.

¹ Row and column totals are automatically generated on the Web survey.

Quest	ion 12.	Of the total amount of R&D expenditures the amounts for the following types of c	•	g, what were		
		 Please report only direct costs (include Recovered and unrecovered indirect of 		rs f1 and f2.		
	Calaniaa			R&D expenditures (Dollars in thousands)		
a.	Include o	, wages, and fringe benefits compensation for all R&D personnel whether ry or permanent. Include salaries, wages, an ir institution's funds and from external support	d fringe benefits paid	\$		
b.	All paym	e purchases ents for software. Include both purchases of use fees for systems.	software packages			
	1. Non	capitalized software		\$		
		italized software (If you are unable to distinware from capitalized equipment, report both		\$		
C.	Payment	zed equipment ts for movable equipment exceeding your ins d. Include ancillary costs such as delivery an		\$		
d.		roughs to other universities or organization match the total in Question 8, row e, column		\$		
e.	Other co (but not l	rect costs ests that do not fit into one of the above cated limited to) travel, tuition waivers, services such that do not fit into one of the above cated in usage fees, and supplies.		\$		
f.	Reim	costs overed indirect costs nbursement of Facilities and Administrative (external sponsors	F&A) costs \$(Confid	ential ¹)		
		ecovered indirect costs uld equal Question 1, row e3)	\$ (Confid	ential ¹)		
	3. Tota	al indirect costs ²	(00:2	\$ TOTAL		
g.	Total ² (should r	match total from Question 1, row g)		\$ TOTAL		
¹ Information from confidential items is not published or released for individual institutions; only aggregate totals will appear in publications. In accordance with the National Science Foundation Act of 1950, as amended, and other applicable federal laws, your responses will not be disclosed in identifiable form to anyone other than agency employees or authorized persons. Per the Federal Cybersecurity Enhancement Act of 2015, your data are protected from cybersecurity risks through screening of the federal information systems that transmit your data.						
TOtal	s are autor	matically generated on the Web survey.				
Quest	tion 13.	At the end of FY 2019, what were your ir equipment?	nstitution's capitalization thre	sholds for software and		
			(Dollars in th	•		
			(1) Software	(2) Equipment		
	Capitaliz	ation thresholds	\$	\$		

Question 14A–C. For the R&D fields below, what portion of your FY 2019 R&D expenditures went for the purchase of capitalized R&D equipment?

• Question 14 total (row K, column c) should match Question 12, row c (Capitalized equipment).

R&D equipment expenditures (Dollars in thousands)

	&D Fields be Question 9, pp. 13–14)	(a) Federal	(b) Nonfederal	(c) Total ¹
A.	Computer and Information Sciences	\$	\$	\$ TOTAL
В.	Engineering			
	1. Aerospace, Aeronautical, and Astronautical Engineering	\$	\$	\$ TOTAL
	2. Bioengineering and Biomedical Engineering	\$	\$	\$ TOTAL
	3. Chemical Engineering	\$	\$	\$ TOTAL
	4. Civil Engineering	\$	\$	\$ TOTAL
	5. Electrical, Electronic, and Communications Engineering	\$	\$	\$ TOTAL
	6. Industrial and Manufacturing Engineering	\$	\$	\$ TOTAL
	7. Mechanical Engineering	\$	\$	\$ TOTAL
	8. Metallurgical and Materials Engineering	\$	\$	\$ TOTAL
	9. Other Engineering	\$	\$	\$ TOTAL
	10. Total¹	\$ TOTAL	\$ TOTAL	\$ TOTAL
C.	Geosciences, Atmospheric Sciences, and Ocean Sciences			
	Atmospheric Science and Meteorology	\$	\$	\$ TOTAL
	2. Geological and Earth Sciences	\$	\$	\$ TOTAL
	3. Ocean Sciences and Marine Sciences	\$	\$	\$ TOTAL
	4. Other Geosciences, Atmospheric Sciences, and Ocean Sciences	\$	\$	\$ TOTAL
	5. Total ¹	\$ TOTAL	\$ TOTAL	\$ TOTAL
1	Row and column totals are automatically generated on the Web survey.			

Examples of disciplines for the above fields of R&D are listed on pages 13-14.

Question 14D-I. For the R&D fields below, what portion of your FY 2019 R&D expenditures went for the purchase of capitalized R&D equipment?

R&D equipment expenditures (Dollars in thousands)

			(Dollars in thousa	anas)
	&D Fields	(a)	(b)	(c)
(S	see Question 9, pp. 15–17)	Federal	Nonfederal	Total ¹
D.	Life Sciences			
	1. Agricultural Sciences	\$	\$	\$ TOTAL
	2. Biological and Biomedical Sciences	\$	\$	\$ TOTAL
	3. Health Sciences	\$	\$	\$ TOTAL
	4. Natural Resources and Conservation	\$	\$	\$ TOTAL
	5. Other Life Sciences	\$	\$	\$ TOTAL
	6. Total ¹	\$ TOTAL	\$ TOTAL	\$ TOTAL
E.	Mathematics and Statistics	\$	\$	\$ TOTAL
F.	Physical Sciences			
	1. Astronomy and Astrophysics	\$	\$	\$ TOTAL
	2. Chemistry	\$	\$	\$ TOTAL
	3. Materials Science	\$	\$	\$ TOTAL
	4. Physics	\$	\$	\$ TOTAL
	5. Other Physical Sciences	\$	\$	\$ TOTAL
	6. Total ¹	\$ TOTAL	\$ TOTAL	\$ TOTAL
G	. Psychology	\$	\$	\$ TOTAL
Н.	Social Sciences			
	1. Anthropology	\$	\$	\$ TOTAL
	2. Economics	\$	\$	\$ TOTAL
	3. Political Science and Government	\$	\$	\$ TOTAL
	4. Sociology, Demography, and Population Studies	\$	\$	\$ TOTAL
	5. Other Social Sciences	\$	\$	\$ TOTAL
	6. Total¹	\$ TOTAL	\$ TOTAL	\$ TOTAL
I.	Other Sciences	\$	\$	\$ TOTAL
1	Row and column totals are automatically generated on the Web survey.			

Examples of disciplines for the above fields of R&D are listed on pages 15–17.

Question 14J–K. For the non-science and engineering (non-S&E) R&D fields below, what portion of your FY 2019 R&D expenditures went for the purchase of capitalized R&D equipment?

R&D equipment expenditures (Dollars in thousands)

R&D Fields (See Question 9, p. 19)	(a) Federal	(b) Nonfederal	(c) Total ¹				
J. Non-S&E Fields							
1. Business Management and Business Administration	\$	\$	\$ TOTAL				
2. Communication and Communications Technologies	\$	\$	\$ TOTAL				
3. Education	\$	\$	\$ TOTAL				
4. Humanities	\$	\$	\$ TOTAL				
5. Law	\$	\$	\$ TOTAL				
6. Social Work	\$	\$	\$ TOTAL				
7. Visual and Performing Arts	\$	\$	\$ TOTAL				
8. Other Non-S&E Fields	\$	\$	\$ TOTAL				
9. Total¹	\$ TOTAL	\$ TOTAL	\$ TOTAL				
K. Total for All Fields of R&D¹	\$ TOTAL	\$ TOTAL	\$ TOTAL				
Total for row K column c should match Question 12 row c (Canitalized equipment)							

Total for row K, column c, should match Question 12, row c (Capitalized equipment).

Examples of disciplines for non-S&E fields of R&D are listed on page 19.

Question 15. How many principal investigators and other personnel (headcount) were paid from the R&D salaries, wages, and fringe benefits you reported in Question 12, row a?

- A principal investigator (PI) is designated by your institution to direct the R&D project or program and be responsible for the scientific and technical direction of the project. Co-investigators (co-PIs) may be designated for this role and should also be included in column 1.
- Count each person only once.
- If a person serves as a PI or co-PI on one project and other personnel on another project, count that person as a PI.
- Include all personnel and students paid from R&D accounts regardless of how much they received.

	(1) Principal investigators	(2) All other personnel	(3) Total ¹
Number of people (headcount)			TOTAL

¹ The row total is automatically generated on the Web survey.

¹ Row and column totals are automatically generated on the Web survey.

Question 16.	In what month did your institution's 2019 fiscal year end?	
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Primary Contact Information	Please complete the contact information for the person responsible for the survey.		
Name			
Job Title			
Institution name			
Office/Department			
Mailing address (line 1)			
Mailing address (line 2)			
City, state, and ZIP Code			
Phone number	E-mail address		
Other Contact Information. List individuals who should be copied on all e-mails about the survey or can create a login account. Job Title should include information about office/department as appropriate (e.g., VP of Sponsored Programs, Department of Finance Manager, Analyst II in Grants Management).			
Other Contact 1			
Name			
Job Title			
Phone Number	E-mail address		
Other Contact 2			
Name			
Job Title			
Phone Number	E-mail address		
Other Contact 3			
Name			
Job Title			
Phone Number	E-mail address		