

TABLE 50

Federal obligations for basic research performed at higher education institutions, by agency and field of R&D: FY 2021

(Dollars in thousands)

Agency	Total	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
All agencies	21,440,653	1,059,895	1,116,727	10,887,993	378,451	2,221,178	1,295,247	406,248	1,845,620	2,229,294
Departments										
Department of Agriculture	506,425	11,974	10,651	367,339	2,510	16,021	1,003	22,559	43,020	31,347
Agricultural Research Service	95,030	124	418	87,304	0	6,101	0	228	855	0
Animal and Plant Health Inspection Service	6,299	0	0	6,299	0	0	0	0	0	0
Forest Service	5,658	0	1,402	4,016	0	85	0	91	64	0
National Institute of Food and Agriculture	399,076	11,851	8,830	269,360	2,510	9,835	1,003	22,240	42,101	31,347
Natural Resources Conservation Service	360	0	0	360	0	0	0	0	0	0
Department of Commerce	9,784	64	0	79	0	9,307	0	0	335	0
National Institute of Standards and Technology	9,784	64	0	79	0	9,307	0	0	335	0
Department of Defense	1,595,541	243,648	77,866	168,551	36,185	151,942	11,921	34,737	462,012	408,679
Defense Advanced Research Projects Agency	273,850	140,070	5,557	76,999	1,415	24,239	3,264	0	22,305	0
Defense Health Agency	1,928	0	0	1,928	0	0	0	0	0	0
Department of the Air Force	542,531	43,042	0	25,484	0	74,312	0	9,246	291,976	98,472
Department of the Army	240,097	3,121	960	20,648	10,324	14,166	0	2,401	12,485	175,991
Department of the Navy	382,485	40,606	65,023	26,029	10,588	11,124	5,800	3,454	95,315	124,546
Space Force	6,160	0	0	0	0	0	0	0	6,160	0
Other defense agencies	148,490	16,809	6,325	17,462	13,858	28,102	2,858	19,635	33,770	9,671
Department of Education	23,533	0	0	0	0	0	0	0	0	23,533
Department of Energy	895,706	33,605	39,769	133,694	0	687,645	0	0	860	132
Electricity Delivery and Energy Reliability	860	0	0	0	0	0	0	0	860	0
Fossil Energy	1,701	0	0	0	0	1,701	0	0	0	0
National Nuclear Security Administration	10,244	0	0	0	0	10,244	0	0	0	0

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Agency	Total	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Office of Defense Nuclear Nonproliferation	10,244	0	0	0	0	10,244	0	0	0	0
Office of Science	882,901	33,605	39,769	133,694	0	675,701	0	0	0	132
Department of Health and Human Services	12,528,168	0	157,366	9,517,460	99,415	73,256	1,251,269	165,832	706,631	556,940
Centers for Disease Control and Prevention	35,198	0	0	21,350	0	0	0	0	2,591	11,256
Centers for Medicare and Medicaid Services	1,160	0	0	1,160	0	0	0	0	0	0
National Institutes of Health	12,491,810	0	157,366	9,494,950	99,415	73,256	1,251,269	165,832	704,040	545,684
Department of Homeland Security	16,824	2,097	0	924	0	2,504	0	0	11,299	0
Countering Weapons of Mass Destruction Office	5,525	2,097	0	924	0	2,504	0	0	0	0
Science and Technology Directorate	11,299	0	0	0	0	0	0	0	11,299	0
Department of the Interior	5,094	0	4,219	*	0	0	0	0	864	0
Bureau of Land Management	*	0	0	*	0	0	0	0	0	0
Bureau of Safety and Environmental Enforcement	864	0	0	0	0	0	0	0	864	0
Geological Survey	4,219	0	4,219	0	0	0	0	0	0	0
Department of Justice	1,586	0	0	0	0	0	0	1,586	0	0
Office of Justice Programs	1,586	0	0	0	0	0	0	1,586	0	0
Other agencies										
National Aeronautics and Space Administration	973,267	0	5,502	7,335	0	219,302	0	0	0	741,128
National Science Foundation	4,884,726	768,508	821,354	692,599	240,341	1,061,201	31,054	181,535	620,599	467,535

* = amount greater than \$0 but less than \$50,000.

Note(s):

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2021 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table. As of volume 71 (FYs 2021–22), the fields of R&D (formerly, "fields of science and engineering") were revised for consistency with other National Center for Science and Engineering Statistics surveys; some fields were added, merged, or split, and some fields were renamed. Therefore, the data are not directly comparable with totals reported in previous years. See technical table A-3 for additional notes associated with the taxonomy changes to the fields listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021–22.