

TABLE 48

Federal obligations for 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	37,026,661	1,465,782	1,664,581	20,475,049	479,906	2,412,951	2,471,457	789,582	3,682,718	3,584,636
Departments										
Department of Agriculture	1,064,254	20,018	32,046	699,498	9,548	30,184	12,659	82,929	79,610	97,762
Agricultural Marketing Service	2,509	0	0	2,509	0	0	0	0	0	0
Agricultural Research Service	171,055	222	753	157,148	0	10,982	0	411	1,539	0
Animal and Plant Health Inspection Service	6,299	0	0	6,299	0	0	0	0	0	0
Economic Research Service	8,247	0	0	0	0	0	0	8,247	0	0
Forest Service	16,404	470	4,410	8,804	0	107	0	2,383	229	0
National Agricultural Statistics Service	223	223	0	0	0	0	0	0	0	0
National Institute of Food and Agriculture	858,153	19,103	26,883	523,374	9,548	19,095	12,659	71,888	77,842	97,762
Natural Resources Conservation Service	1,365	0	0	1,365	0	0	0	0	0	0
Department of Commerce	253,406	3,372	184,515	14,205	724	18,876	0	5,357	25,931	425
National Institute of Standards and Technology	39,844	1,923	2,292	3,862	0	9,458	0	0	22,309	0
National Oceanic and Atmospheric Administration	213,561	1,449	182,223	10,343	724	9,418	0	5,357	3,622	425
Department of Defense	2,621,887	456,635	187,593	325,946	36,185	190,961	20,356	40,916	755,991	607,304
Defense Advanced Research Projects Agency	574,361	295,482	17,089	156,770	1,415	28,083	11,169	0	63,830	523
Defense Health Agency	41,793	0	0	41,793	0	0	0	0	0	0
Department of the Air Force	706,722	54,083	0	25,484	0	92,953	0	9,246	419,630	105,327
Department of the Army	420,423	3,175	960	20,648	10,324	14,166	0	2,401	12,882	355,867
Department of the Navy	688,775	82,541	163,219	54,558	10,588	21,473	5,800	3,713	217,245	129,638
Space Force	6,160	0	0	0	0	0	0	0	6,160	0
Other defense agencies	183,653	21,354	6,325	26,692	13,858	34,287	3,388	25,556	36,245	15,949
Department of Education	139,724	0	0	0	0	0	0	0	0	139,724
Department of Energy	1,390,978	41,220	55,339	150,054	0	709,589	0	0	434,643	132

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Advanced Research Projects Agency—Energy	53,383	7,615	1,126	16,360	0	0	0	0	28,281	0
Electricity Delivery and Energy Reliability	4,262	0	0	0	0	0	0	0	4,262	0
Energy Efficiency and Renewable Energy	258,811	0	0	0	0	0	0	0	258,811	0
Environmental Management	1,650	0	1,650	0	0	0	0	0	0	0
Fossil Energy	136,369	0	12,793	0	0	23,113	0	0	100,462	0
National Nuclear Security Administration	11,784	0	0	0	0	10,775	0	0	1,009	0
Defense Programs	1,141	0	0	0	0	531	0	0	609	0
Office of Defense Nuclear Nonproliferation	10,644	0	0	0	0	10,244	0	0	400	0
Nuclear Energy	41,818	0	0	0	0	0	0	0	41,818	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	24,545,375	1,828	309,313	18,548,935	191,182	151,730	2,406,286	439,263	1,433,491	1,063,347
Administration for Children and Families	1,800	0	0	0	0	0	0	1,800	0	0
Administration for Community Living	80,767	0	0	0	0	0	0	80,767	0	0
Agency for Healthcare Research and Quality	100,709	1,828	0	1,192	0	10,848	0	10,152	76,689	0
Agency for Toxic Substances and Disease Registry	6,686	0	6,686	0	0	0	0	0	0	0
Centers for Disease Control and Prevention	231,097	0	0	189,020	0	*	0	27,636	2,880	11,556
Centers for Medicare and Medicaid Services	1,160	0	0	1,160	0	0	0	0	0	0
Food and Drug Administration	71,424	0	0	71,424	0	0	0	0	0	0
Health Resources and Services Administration	26,620	0	0	26,620	0	0	0	0	0	0

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National Institutes of Health	24,022,712	0	302,627	18,259,519	191,182	140,877	2,406,286	318,907	1,353,922	1,049,391
Office of the Secretary of Health and Human Services	2,399	0	0	0	0	0	0	0	0	2,399
Office of the Assistant Secretary for Planning and Evaluation	2,399	0	0	0	0	0	0	0	0	2,399
Department of Homeland Security	22,925	5,110	0	924	0	2,504	0	0	14,386	0
Countering Weapons of Mass Destruction Office	6,310	2,882	0	924	0	2,504	0	0	0	0
Science and Technology Directorate	16,614	2,228	0	0	0	0	0	0	14,386	0
Department of the Interior	56,002	0	36,691	8,373	0	0	0	5,196	5,743	0
Bureau of Land Management	3,177	0	0	3,177	0	0	0	0	0	0
Bureau of Ocean Energy Management	7,401	0	7,401	0	0	0	0	0	0	0
Bureau of Reclamation	1,147	0	0	0	0	0	0	0	1,147	0
Bureau of Safety and Environmental Enforcement	4,596	0	0	0	0	0	0	0	4,596	0
Geological Survey	29,290	0	29,290	0	0	0	0	0	0	0
National Park Service	10,391	0	0	5,196	0	0	0	5,196	0	0
Department of Justice	33,623	1,996	452	550	377	2,630	0	25,496	751	1,370
Federal Bureau of Investigation	1,370	0	0	0	0	0	0	0	0	1,370
Office of Justice Programs	32,253	1,996	452	550	377	2,630	0	25,496	751	0
Department of Transportation	156,857	1,061	79	3,364	797	4,131	1,091	0	145,361	973
Federal Aviation Administration	66,304	1,051	64	104	797	0	1,076	0	62,238	973
Federal Highway Administration	71,445	0	0	0	0	0	0	0	71,445	0
Federal Motor Carrier Safety Administration	4,141	*	0	0	0	4,131	0	0	0	0
Federal Railroad Administration	5,225	0	*	0	0	0	*	0	5,196	0

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National Highway Traffic Safety Administration	6,549	0	0	3,260	0	0	0	0	3,289	0
Pipeline and Hazardous Materials Safety Administration	3,193	0	0	0	0	0	0	0	3,193	0
Department of the Treasury	200	0	0	0	0	200	0	0	0	0
Bureau of Engraving and Printing	200	0	0	0	0	200	0	0	0	0
Other agencies										
Agency for International Development	2,975	0	0	975	0	0	0	0	0	2,000
Appalachian Regional Commission	113	0	0	0	0	0	0	113	0	0
Consumer Product Safety Commission	150	0	0	0	0	0	0	0	150	0
Environmental Protection Agency	40,338	551	16,587	15,899	306	961	0	232	5,801	0
National Aeronautics and Space Administration	1,149,372	0	5,892	7,460	0	219,302	0	0	7,945	908,774
National Science Foundation	5,536,101	933,971	836,074	698,865	240,787	1,081,884	31,064	183,956	766,676	762,825
Nuclear Regulatory Commission	6,257	*	0	0	0	0	0	0	6,237	0
Social Security Administration	6,124	0	0	0	0	0	0	6,124	0	0

* = 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.