

TABLE 29

Federal obligations for basic research, 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	42,494,145	2,264,158	1,772,255	19,008,170	503,181	6,432,049	1,934,423	537,330	3,151,032	6,891,548
Departments										
Department of Agriculture	1,299,030	13,885	15,218	1,069,626	2,596	63,325	1,289	34,224	58,646	40,221
Agricultural Research Service	755,202	982	3,323	693,804	0	48,484	0	1,812	6,797	0
Animal and Plant Health Inspection Service	21,101	0	0	21,101	0	0	0	0	0	0
Forest Service	79,155	0	2,862	60,346	0	2,959	0	9,384	3,604	0
National Institute of Food and Agriculture	432,329	12,904	9,033	283,132	2,596	11,882	1,289	23,027	48,245	40,221
Natural Resources Conservation Service	11,244	0	0	11,244	0	0	0	0	0	0
Department of Commerce	277,665	11,701	0	13,421	2,523	208,428	0	0	41,592	0
National Institute of Standards and Technology	277,665	11,701	0	13,421	2,523	208,428	0	0	41,592	0
Department of Defense	2,834,851	598,087	140,159	325,787	62,466	226,079	41,945	49,652	819,284	571,392
Defense Advanced Research Projects Agency	509,680	314,345	15,324	86,480	3,644	40,323	9,407	0	33,044	7,113
Defense Health Agency	17,921	0	0	17,892	0	0	0	0	0	*
Department of the Air Force	703,068	52,055	0	30,348	0	99,937	300	12,994	408,784	98,649
Department of the Army	541,892	113,558	5,118	107,917	11,441	41,347	19,394	2,597	0	240,521
Department of the Navy	630,694	63,574	110,191	44,067	11,787	14,769	7,322	4,413	163,625	210,946
Space Force	98,285	0	0	0	0	0	0	0	98,285	0
Other defense agencies	333,311	54,555	9,526	39,083	35,594	29,703	5,522	29,648	115,546	14,134
Department of Education	29,730	0	0	0	0	0	0	0	0	29,730
Department of Energy	5,500,144	822,465	244,235	507,085	1,578	3,482,365	0	0	48,736	393,680
Electricity Delivery and Energy Reliability	12,542	0	0	0	0	0	0	0	12,542	0
Fossil Energy	1,701	0	0	0	0	1,701	0	0	0	0
National Nuclear Security Administration	122,721	4,800	2,902	960	1,578	109,674	0	0	2,805	0

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Office of Defense Nuclear Nonproliferation	122,721	4,800	2,902	960	1,578	109,674	0	0	2,805	0
Office of Cybersecurity, Energy Security, and Emergency Response	1,731	1,731	0	0	0	0	0	0	0	0
Office of Science	5,361,449	815,933	241,333	506,125	0	3,370,990	0	0	33,388	393,680
Department of Health and Human Services	21,508,382	0	253,091	15,617,833	177,838	120,849	1,858,373	238,807	1,461,026	1,780,565
Centers for Disease Control and Prevention	89,306	0	0	57,925	0	2,067	160	0	11,291	17,862
Centers for Medicare and Medicaid Services	420,703	0	0	420,703	0	0	0	0	0	0
Health Resources and Services Administration	3,399	0	0	3,399	0	0	0	0	0	0
National Institutes of Health	20,994,974	0	253,091	15,135,806	177,838	118,782	1,858,213	238,807	1,449,735	1,762,703
Department of Homeland Security	50,791	2,097	8,546	924	*	3,004	*	*	30,912	5,308
Countering Weapons of Mass Destruction Office	6,025	2,097	0	924	0	3,004	0	0	0	0
Science and Technology Directorate	44,766	0	8,546	*	*	*	*	*	30,912	5,308
Department of the Interior	86,089	0	54,202	30,357	0	0	0	0	1,530	0
Bureau of Land Management	237	0	0	237	0	0	0	0	0	0
Bureau of Safety and Environmental Enforcement	1,530	0	0	0	0	0	0	0	1,530	0
Geological Survey	84,322	0	54,202	30,120	0	0	0	0	0	0
Department of Justice	8,401	0	0	0	0	0	0	8,401	0	0
Office of Justice Programs	8,401	0	0	0	0	0	0	8,401	0	0
Department of State	4,000	0	0	4,000	0	0	0	0	0	0
Department of Transportation	2,072	0	0	0	0	644	0	65	370	993

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Federal Motor Carrier Safety Administration	893	0	0	0	0	0	0	0	0	893
Pipeline and Hazardous Materials Safety Administration	1,179	0	0	0	0	644	0	65	370	100
Department of the Treasury	5,264	0	0	0	0	5,264	0	0	0	0
Bureau of Engraving and Printing	5,264	0	0	0	0	5,264	0	0	0	0
Department of Veterans Affairs	624,980	0	0	624,980	0	0	0	0	0	0
Other agencies										
National Aeronautics and Space Administration	4,429,290	0	23,428	29,664	0	1,030,791	0	0	0	3,345,407
National Science Foundation	5,770,954	815,923	1,031,500	750,117	256,181	1,279,629	32,816	203,463	678,762	722,564
Smithsonian Institution	62,500	0	1,875	34,375	0	11,672	0	2,718	10,172	1,688

* = 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.