

TABLE 24

Federal obligations for 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	86,244,258	5,349,660	3,569,077	38,177,668	715,493	8,044,401	3,769,968	1,369,741	13,374,364	11,873,886
Departments										
Department of Agriculture	2,660,820	28,239	37,974	2,038,836	9,780	114,525	13,117	187,251	107,421	123,677
Agricultural Marketing Service	6,663	0	0	6,663	0	0	0	0	0	0
Agricultural Research Service	1,359,363	1,767	5,981	1,248,847	0	87,271	0	3,262	12,234	0
Animal and Plant Health Inspection Service	21,101	0	0	21,101	0	0	0	0	0	0
Economic Research Service	85,476	0	0	0	0	0	0	85,476	0	0
Forest Service	233,378	0	4,688	180,699	0	5,149	0	34,844	7,996	0
National Agricultural Statistics Service	5,151	5,151	0	0	0	0	0	0	0	0
National Institute of Food and Agriculture	937,440	21,321	27,304	569,278	9,780	22,105	13,117	63,669	87,190	123,677
Natural Resources Conservation Service	12,248	0	0	12,248	0	0	0	0	0	0
Department of Commerce	1,505,953	191,659	541,903	95,746	11,297	282,839	*	52,563	314,308	15,597
Census Bureau	55,936	14,013	0	0	5,692	0	0	36,232	0	0
National Institute of Standards and Technology	784,412	173,961	9,020	40,274	3,763	258,897	*	399	298,058	0
National Oceanic and Atmospheric Administration	658,725	3,685	532,883	55,472	1,842	23,942	0	15,932	9,371	15,597
National Telecommunications and Information Administration	6,879	0	0	0	0	0	0	0	6,879	0
Department of Defense	9,735,418	2,577,396	483,403	1,090,223	71,529	611,672	108,663	61,066	3,566,248	1,165,221
Defense Advanced Research Projects Agency	1,845,346	971,573	67,164	286,581	3,950	76,984	21,340	167	317,500	100,085
Defense Health Agency	132,700	0	0	129,779	0	*	0	0	388	2,519
Department of the Air Force	2,386,786	217,129	0	101,034	0	302,937	300	12,994	1,608,466	143,926
Department of the Army	1,914,094	891,472	13,584	320,396	11,441	45,935	71,157	2,597	0	557,512
Department of the Navy	1,654,154	203,093	392,903	95,443	11,787	48,372	8,637	8,380	641,261	244,279
Space Force	98,285	0	0	0	0	0	0	0	98,285	0
Other defense agencies	1,704,053	294,129	9,751	156,989	44,351	137,431	7,229	36,928	900,347	116,899
Department of Education	262,330	0	0	0	0	0	0	0	0	262,330
Department of Energy	10,777,006	1,441,881	329,205	533,434	5,661	4,366,414	0	0	3,696,940	403,470
Advanced Research Projects Agency--Energy	157,363	15,308	1,582	26,219	0	0	0	0	114,253	0
Electricity Delivery and Energy Reliability	62,134	0	0	0	0	0	0	0	62,134	0
Energy Efficiency and Renewable Energy	1,394,973	0	0	0	0	0	0	0	1,394,973	0
Environmental Management	9,902	0	9,902	0	0	0	0	0	0	0
Fossil Energy	691,073	0	65,490	0	0	111,311	0	0	514,272	0

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National Nuclear Security Administration	2,607,781	606,976	7,844	1,090	5,661	871,273	0	0	1,114,936	0
Defense Programs	2,328,172	585,635	0	0	0	640,781	0	0	1,101,756	0
Office of Defense Nuclear Nonproliferation	279,609	21,341	7,844	1,090	5,661	230,492	0	0	13,180	0
Nuclear Energy	346,454	0	0	0	0	0	0	0	346,454	0
Office of Cybersecurity, Energy Security, and Emergency Response	1,731	1,731	0	0	0	0	0	0	0	0
Office of Science	5,505,595	817,866	244,387	506,125	0	3,383,829	0	0	149,918	403,470
Department of Health and Human Services	42,718,237	35,256	499,711	31,015,958	352,080	234,071	3,597,199	636,374	2,835,631	3,511,957
Administration for Children and Families	4,590	0	0	0	0	0	0	4,590	0	0
Administration for Community Living	106,908	0	0	0	0	0	0	106,908	0	0
Agency for Healthcare Research and Quality	308,145	34,989	0	172,574	8,400	0	7,799	20,813	803	62,767
Agency for Toxic Substances and Disease Registry	10,935	0	10,935	0	0	0	0	0	0	0
Centers for Disease Control and Prevention	681,556	267	0	570,021	236	4,677	778	42,874	35,067	27,635
Centers for Medicare and Medicaid Services	420,703	0	0	420,703	0	0	0	0	0	0
Food and Drug Administration	589,144	0	0	589,144	0	0	0	0	0	0
Health Resources and Services Administration	32,920	0	0	32,920	0	0	0	0	0	0
National Institutes of Health	40,545,951	0	488,775	29,230,596	343,444	229,394	3,588,622	461,189	2,799,761	3,404,169
Office of the Secretary of Health and Human Services	17,386	0	0	0	0	0	0	0	0	17,386
Office of the Assistant Secretary for Planning and Evaluation	17,386	0	0	0	0	0	0	0	0	17,386
Department of Homeland Security	238,163	57,936	9,672	2,675	*	17,277	65	*	94,436	56,102
Coast Guard	2,995	1,030	100	0	0	0	65	0	1,800	0
Countering Weapons of Mass Destruction Office	21,291	6,656	0	2,675	0	11,959	0	0	0	0
Cybersecurity and Infrastructure Security Agency	9,032	7,213	1,026	0	0	0	0	0	793	0
Science and Technology Directorate	203,845	43,037	8,546	*	*	5,318	*	*	91,843	55,102
Transportation Security Administration	1,000	0	0	0	0	0	0	0	0	1,000
Department of the Interior	754,199	0	410,039	289,214	0	0	0	16,498	38,448	0
Bureau of Indian Affairs	5,000	0	0	5,000	0	0	0	0	0	0
Bureau of Land Management	9,380	0	0	9,380	0	0	0	0	0	0

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Bureau of Ocean Energy Management	62,582	0	62,582	0	0	0	0	0	0	0
Bureau of Reclamation	18,000	0	0	0	0	0	0	0	18,000	0
Bureau of Safety and Environmental Enforcement	20,448	0	0	0	0	0	0	0	20,448	0
Fish and Wildlife Service	32,650	0	0	32,650	0	0	0	0	0	0
Geological Survey	578,917	0	347,457	231,460	0	0	0	0	0	0
National Park Service	27,222	0	0	10,724	0	0	0	16,498	0	0
Department of Justice	78,964	2,046	452	3,234	377	5,924	0	58,197	4,836	3,897
Bureau of Prisons	*	0	0	0	0	0	0	*	0	0
Federal Bureau of Investigation	3,698	0	0	0	0	0	0	0	0	3,698
Office of Justice Programs	75,265	2,046	452	3,234	377	5,924	0	58,196	4,836	200
Department of Labor	3,493	0	0	0	0	0	0	3,493	0	0
Employee Benefits Security Administration	1,301	0	0	0	0	0	0	1,301	0	0
Occupational Safety and Health Administration	2,192	0	0	0	0	0	0	2,192	0	0
Department of State	44,000	0	0	42,000	0	0	0	2,000	0	0
Department of Transportation	822,962	17,317	15,813	21,460	5,075	12,095	18,059	18,008	707,642	7,492
Federal Aviation Administration	266,866	13,112	15,706	7,949	5,075	0	17,696	0	206,334	993
Federal Highway Administration	373,484	0	0	0	0	0	0	0	373,484	0
Federal Motor Carrier Safety Administration	12,344	0	0	0	0	11,451	0	0	0	893
Federal Railroad Administration	35,039	0	108	0	0	0	0	0	34,931	0
Federal Transit Administration	42,045	0	0	0	0	0	363	5,463	30,731	5,488
National Highway Traffic Safety Administration	65,559	4,205	0	13,511	0	0	0	12,480	35,363	0
Office of the Secretary of Transportation	11,714	0	0	0	0	0	0	0	11,696	*
Pipeline and Hazardous Materials Safety Administration	15,912	0	0	0	0	644	0	65	15,103	100
Department of the Treasury	46,553	0	0	0	0	46,553	0	0	0	0
Bureau of Engraving and Printing	46,534	0	0	0	0	46,534	0	0	0	0
Mint	*	0	0	0	0	*	0	0	0	0
Department of Veterans Affairs	1,561,156	0	0	1,561,156	0	0	0	0	0	0
Other agencies										
Administrative Office of the U.S. Courts	4,362	4,362	0	0	0	0	0	0	0	0
Agency for Global Media	4,597	0	0	0	0	0	0	4,597	0	0
Agency for International Development	51,211	0	0	43,631	0	0	0	4,331	0	3,250

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Appalachian Regional Commission	650	0	0	0	0	0	0	650	0	0
Consumer Product Safety Commission	391	0	0	0	0	0	0	0	391	0
Environmental Protection Agency	403,334	5,524	166,238	159,342	3,067	9,630	0	2,330	57,202	*
Federal Trade Commission	8,094	0	0	0	0	0	0	8,094	0	0
Library of Congress	550	0	0	0	0	550	0	0	0	0
National Aeronautics and Space Administration	7,127,210	0	25,510	29,664	0	1,030,791	0	0	820,462	5,220,783
National Science Foundation	6,705,056	988,023	1,047,283	756,389	256,627	1,300,389	32,826	206,179	1,018,918	1,098,422
Nuclear Regulatory Commission	76,714	*	0	0	0	0	0	0	76,694	0
Patient-Centered Outcomes Research Trust Fund	460,331	0	0	460,331	0	0	0	0	0	0
Postal Service	15,435	0	0	0	0	0	0	0	15,435	0
Smithsonian Institution	62,500	0	1,875	34,375	0	11,672	0	2,718	10,172	1,688
Social Security Administration	105,392	0	0	0	0	0	0	105,392	0	0
Tennessee Valley Authority	9,179	0	0	0	0	0	0	0	9,179	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.