

TABLE 34

## Federal obligations for applied research, by agency and field of R&amp;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	43,750,114	3,085,502	1,796,822	19,169,498	212,312	1,612,352	1,835,546	832,410	10,223,332	4,982,338
Departments										
Department of Agriculture	1,361,790	14,353	22,755	969,211	7,184	51,201	11,828	153,027	48,775	83,456
Agricultural Marketing Service	6,663	0	0	6,663	0	0	0	0	0	0
Agricultural Research Service	604,161	785	2,658	555,043	0	38,787	0	1,450	5,437	0
Economic Research Service	85,476	0	0	0	0	0	0	85,476	0	0
Forest Service	154,223	0	1,826	120,354	0	2,191	0	25,460	4,392	0
National Agricultural Statistics Service	5,151	5,151	0	0	0	0	0	0	0	0
National Institute of Food and Agriculture	505,111	8,417	18,271	286,146	7,184	10,223	11,828	40,641	38,945	83,456
Natural Resources Conservation Service	1,004	0	0	1,004	0	0	0	0	0	0
Department of Commerce	1,228,287	179,958	541,903	82,325	8,774	74,411	*	52,563	272,716	15,597
Census Bureau	55,936	14,013	0	0	5,692	0	0	36,232	0	0
National Institute of Standards and Technology	506,747	162,260	9,020	26,853	1,240	50,469	*	399	256,466	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	6,900,567	1,979,309	343,244	764,435	9,063	385,593	66,718	11,414	2,746,963	593,829
Defense Advanced Research Projects Agency	1,335,666	657,228	51,841	200,101	306	36,662	11,933	167	284,456	92,972
Defense Health Agency	114,779	0	0	111,887	0	*	0	0	388	2,490
Department of the Air Force	1,683,718	165,073	0	70,686	0	203,000	0	0	1,199,681	45,277
Department of the Army	1,372,202	777,914	8,467	212,479	0	4,587	51,764	0	0	316,991
Department of the Navy	1,023,460	139,519	282,712	51,376	0	33,602	1,315	3,967	477,637	33,333
Other defense agencies	1,370,742	239,574	225	117,906	8,757	107,728	1,706	7,280	784,801	102,766
Department of Education	232,600	0	0	0	0	0	0	0	0	232,600
Department of Energy	5,276,862	619,417	84,970	26,349	4,083	884,048	0	0	3,648,204	9,790
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	49,592	0	0	0	0	0	0	0	49,592	0
Energy Efficiency and Renewable Energy	1,394,973	0	0	0	0	0	0	0	1,394,973	0

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Environmental Management	9,902	0	9,902	0	0	0	0	0	0	0
Fossil Energy	689,372	0	65,490	0	0	109,610	0	0	514,272	0
National Nuclear Security Administration	2,485,060	602,176	4,942	130	4,083	761,599	0	0	1,112,131	0
Defense Programs	2,328,172	585,635	0	0	0	640,781	0	0	1,101,756	0
Office of Defense Nuclear Nonproliferation	156,888	16,541	4,942	130	4,083	120,818	0	0	10,375	0
Nuclear Energy	346,454	0	0	0	0	0	0	0	346,454	0
Office of Science	144,146	1,933	3,054	0	0	12,839	0	0	116,530	9,790
Department of Health and Human Services	21,209,856	35,256	246,620	15,398,125	174,243	113,222	1,738,826	397,567	1,374,605	1,731,392
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	592,250	267	0	512,096	236	2,609	618	42,874	23,777	9,773
Food and Drug Administration	589,144	0	0	589,144	0	0	0	0	0	0
Health Resources and Services Administration	29,521	0	0	29,521	0	0	0	0	0	0
National Institutes of Health	19,550,976	0	235,684	14,094,791	165,606	110,612	1,730,409	222,382	1,350,025	1,641,467
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	187,372	55,839	1,126	1,751	0	14,273	65	0	63,524	50,794
Coast Guard	2,995	1,030	100	0	0	0	65	0	1,800	0
Countering Weapons of Mass Destruction Office	15,266	4,559	0	1,751	0	8,955	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	159,079	43,037	0	0	0	5,318	0	0	60,931	49,794
Transportation Security Administration	1,000	0	0	0	0	0	0	0	0	1,000
Department of the Interior	668,110	0	355,837	258,857	0	0	0	16,498	36,918	0

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Bureau of Indian Affairs	5,000	0	0	5,000	0	0	0	0	0	0
Bureau of Land Management	9,143	0	0	9,143	0	0	0	0	0	0
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	18,918	0	0	0	0	0	0	0	18,918	0
Fish and Wildlife Service	32,650	0	0	32,650	0	0	0	0	0	0
Geological Survey	494,595	0	293,255	201,340	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	70,562	2,046	452	3,234	377	5,924	0	49,796	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	66,863	2,046	452	3,234	377	5,924	0	49,795	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	40,000	0	0	38,000	0	0	0	2,000	0	0
Department of Transportation	820,890	17,317	15,813	21,460	5,075	11,451	18,059	17,943	707,272	6,499
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	11,451	0	0	0	0	11,451	0	0	0	0
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	14,733	0	0	0	0	0	0	0	14,733	0
Department of the Treasury	41,289	0	0	0	0	41,289	0	0	0	0
Bureau of Engraving and Printing	41,271	0	0	0	0	41,271	0	0	0	0
Mint	*	0	0	0	0	*	0	0	0	0
Department of Veterans Affairs	936,176	0	0	936,176	0	0	0	0	0	0

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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
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	2,697,919	0	2,082	0	0	0	0	0	820,462	1,875,375
National Science Foundation	934,101	172,101	15,783	6,272	446	20,760	*	2,716	340,157	375,858
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
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.