

TABLE 34

Federal obligations for applied research, by agency and field of R&D: FY 2022

(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	48,414,424	2,532,975	2,124,657	22,557,759	295,750	2,650,164	2,299,833	1,150,878	11,757,783	3,044,624
Departments										
Department of Agriculture	1,442,986	12,368	12,553	1,058,311	5,473	60,265	10,321	158,437	53,016	72,243
Agricultural Marketing Service	9,865	0	0	9,865	0	0	0	0	0	0
Agricultural Research Service	660,230	858	2,905	606,553	0	42,387	0	1,585	5,942	0
Economic Research Service	87,794	0	0	0	0	0	0	87,794	0	0
Forest Service	160,583	0	2,292	124,396	0	2,857	0	25,987	5,050	0
National Agricultural Statistics Service	6,126	6,126	0	0	0	0	0	0	0	0
National Institute of Food and Agriculture	517,747	5,383	7,355	316,855	5,473	15,022	10,321	43,071	42,023	72,243
Natural Resources Conservation Service	642	0	0	642	0	0	0	0	0	0
Department of Commerce	1,416,683	236,929	623,857	77,275	8,876	83,548	0	87,589	281,568	17,041
Census Bureau	150,213	72,996	0	0	7,685	0	0	69,532	0	0
National Institute of Standards and Technology	506,911	159,911	9,153	20,266	989	55,586	0	796	260,210	0
National Oceanic and Atmospheric Administration	748,259	4,023	614,704	57,009	201	27,962	0	17,260	10,058	17,041
National Telecommunications and Information Administration	11,300	0	0	0	0	0	0	0	11,300	0
Department of Defense	7,016,251	1,342,523	375,239	638,618	39,593	223,757	65,013	20,122	3,830,085	481,300
Defense Advanced Research Projects Agency	1,358,129	739,703	78,961	150,841	0	49,147	12,353	14,435	291,705	20,984
Defense Health Agency	134,635	0	0	134,056	0	0	0	0	0	579
Department of the Air Force	1,955,684	26,295	0	8,634	117	15,931	1	2	1,896,098	8,605
Department of the Army	1,290,220	113,779	7,961	199,785	29,350	4,313	48,671	0	588,309	298,052
Department of the Navy	1,076,932	123,108	276,485	22,557	0	42,384	2,791	4,641	567,884	37,083
Space Force	104,248	0	0	0	0	0	0	0	104,248	0
Other defense agencies	1,096,402	339,637	11,832	122,745	10,126	111,983	1,197	1,044	381,841	115,997
Department of Education	267,496	0	0	0	0	0	0	0	0	267,496
Department of Energy	5,000,763	614,726	71,656	11,787	14,731	1,392,055	0	0	2,890,994	4,814
Advanced Research Projects Agency--Energy	201,482	6,122	823	10,697	0	23,559	0	0	160,281	0
Electricity Delivery and Energy Reliability	53,394	0	0	0	0	0	0	0	53,394	0
Energy Efficiency and Renewable Energy	678,802	0	0	0	0	0	0	0	678,802	0
Environmental Management	11,808	0	11,808	0	0	0	0	0	0	0
Fossil Energy	558,637	0	53,071	0	0	88,823	0	0	416,744	0
National Nuclear Security Administration	2,672,387	587,358	3,563	1,090	14,731	1,272,650	0	0	792,996	0

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Defense Programs	2,336,964	580,794	0	0	0	1,159,282	0	0	596,888	0
Naval Nuclear Propulsion Program	191,110	0	0	0	0	0	0	0	191,110	0
Office of Defense Nuclear Nonproliferation	144,313	6,564	3,563	1,090	14,731	113,368	0	0	4,997	0
Nuclear Energy	657,246	0	0	0	0	0	0	0	657,246	0
Office of Cybersecurity, Energy Security, and Emergency Response	16,251	16,251	0	0	0	0	0	0	0	0
Office of Science	150,755	4,995	2,392	0	0	7,023	0	0	131,531	4,814
Department of Health and Human Services	25,860,920	36,305	309,542	18,589,078	216,671	530,388	2,201,430	675,885	1,694,076	1,607,544
Administration for Children and Families	5,228	0	0	0	0	0	0	5,228	0	0
Administration for Community Living	106,731	0	0	0	0	0	0	106,731	0	0
Agency for Healthcare Research and Quality	314,345	36,189	0	176,074	8,400	0	7,799	20,813	803	64,267
Agency for Toxic Substances and Disease Registry	11,777	0	11,777	0	0	0	0	0	0	0
Biomedical Advanced Research and Development Authority	2,644,021	0	0	2,644,021	0	0	0	0	0	0
Centers for Disease Control and Prevention	460,691	116	0	393,960	189	2,749	516	39,514	20,050	3,597
Food and Drug Administration	560,910	0	0	560,910	0	0	0	0	0	0
Health Resources and Services Administration	32,429	0	0	32,429	0	0	0	0	0	0
National Institutes of Health	21,689,271	0	297,765	14,781,684	208,082	527,640	2,193,115	468,082	1,673,223	1,539,680
Office of the Secretary of Health and Human Services	35,517	0	0	0	0	0	0	35,517	0	0
Office of the Assistant Secretary for Planning and Evaluation	35,517	0	0	0	0	0	0	35,517	0	0
Department of Homeland Security	258,612	70,789	10,835	8,202	0	32,643	0	0	86,489	49,654
Coast Guard	2,243	563	3	0	0	0	0	0	1,678	0
Countering Weapons of Mass Destruction Office	26,159	6,000	0	4,000	0	16,159	0	0	0	0
Cybersecurity and Infrastructure Security Agency	3,440	2,647	0	0	0	0	0	0	793	0
Science and Technology Directorate	226,771	61,580	10,833	4,202	0	16,484	0	0	84,018	49,654
Transportation Security Administration	*	*	0	0	0	0	0	0	0	0
Department of the Interior	691,384	3,431	354,839	273,934	0	6,278	0	28,137	20,861	3,904
Bureau of Indian Affairs	5,000	0	0	5,000	0	0	0	0	0	0
Bureau of Land Management	8,579	0	0	8,579	0	0	0	0	0	0

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Bureau of Ocean Energy Management	66,305	3,431	42,477	0	0	4,854	0	11,639	0	3,904
Bureau of Reclamation	17,705	0	0	0	0	0	0	0	17,705	0
Bureau of Safety and Environmental Enforcement	4,770	0	190	0	0	1,424	0	0	3,156	0
Fish and Wildlife Service	35,000	0	0	35,000	0	0	0	0	0	0
Geological Survey	526,802	0	312,172	214,631	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	86,014	408	0	6,209	266	12,306	1,438	55,968	531	8,887
Bureau of Prisons	2	0	0	0	0	0	0	2	0	0
Federal Bureau of Investigation	8,887	0	0	0	0	0	0	0	0	8,887
Office of Justice Programs	77,125	408	0	6,209	266	12,306	1,438	55,967	531	0
Department of Labor	3,698	0	0	0	0	0	0	3,698	0	0
Employee Benefits Security Administration	1,910	0	0	0	0	0	0	1,910	0	0
Occupational Safety and Health Administration	1,788	0	0	0	0	0	0	1,788	0	0
Department of State	38,000	0	0	38,000	0	0	0	0	0	0
Department of Transportation	806,251	22,083	14,933	26,589	6,347	23,292	21,622	20,665	647,113	23,606
Federal Aviation Administration	260,969	15,467	14,933	7,580	6,347	0	21,622	0	175,577	19,443
Federal Highway Administration	341,879	0	0	0	0	0	0	0	341,879	0
Federal Motor Carrier Safety Administration	21,154	0	0	0	0	21,154	0	0	0	0
Federal Railroad Administration	32,291	0	0	0	0	0	0	0	32,291	0
Federal Transit Administration	11,909	700	0	0	0	0	0	3,107	5,303	2,800
National Highway Traffic Safety Administration	91,739	5,916	0	19,009	0	0	0	17,559	49,255	0
Office of the Secretary of Transportation	24,368	0	0	0	0	0	0	0	24,368	0
Pipeline and Hazardous Materials Safety Administration	21,942	0	0	0	0	2,138	0	0	18,441	1,363
Department of the Treasury	37,082	0	0	0	0	37,082	0	0	0	0
Bureau of Engraving and Printing	37,082	0	0	0	0	37,082	0	0	0	0
Department of Veterans Affairs	940,865	0	0	940,865	0	0	0	0	0	0
Other agencies										
Administrative Office of the U.S. Courts	1,443	1,443	0	0	0	0	0	0	0	0
Agency for Global Media	8,413	0	0	0	0	0	0	8,413	0	0
Agency for International Development	152,853	0	0	146,214	0	0	0	5,329	0	1,310
Appalachian Regional Commission	804	0	0	0	0	0	0	804	0	0

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Consumer Product Safety Commission	165	0	0	0	0	0	0	0	165	0
Environmental Protection Agency	406,371	5,566	167,490	160,543	3,090	9,703	0	2,348	57,632	0
Federal Trade Commission	2,713	0	0	0	0	0	0	2,713	0	0
Library of Congress	512	0	0	0	0	512	0	0	0	0
National Aeronautics and Space Administration	2,246,909	0	165,909	54,643	0	219,253	0	0	1,773,917	33,187
National Science Foundation	1,032,892	186,032	17,804	5,821	702	19,082	10	2,067	334,697	466,677
Nuclear Regulatory Commission	61,399	372	0	0	0	0	0	0	61,027	0
Patient-Centered Outcomes Research Trust Fund	521,671	0	0	521,671	0	0	0	0	0	0
Postal Service	13,860	0	0	0	0	0	0	0	13,860	0
RESTORE Act Centers of Excellence Research Grants Program	6,960	0	0	0	0	0	0	0	0	6,960
Social Security Administration	78,704	0	0	0	0	0	0	78,704	0	0
Tennessee Valley Authority	11,752	0	0	0	0	0	0	0	11,752	0

* = amount greater than \$0 but less than \$500.

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 2022 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.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2022–23.