

TABLE 21

## Federal obligations for research, by agency and performer: FY 2022

(Dollars in thousands)

Agency	Total	Intramural		Extramural				Non-U.S. performers
		Federal agencies <sup>a</sup>	FFRDCs	United States and U.S. territories				
				Businesses	Higher education <sup>b</sup>	Nonprofit organizations	State and local governments	
All agencies	93,807,126	20,650,872	11,132,852	12,679,304	39,068,958	8,797,459	862,390	615,291
Departments								
Department of Agriculture	2,860,100	1,603,074	0	35,667	1,156,873	48,884	9,793	5,809
Agricultural Marketing Service	9,865	9,865	0	0	0	0	0	0
Agricultural Research Service	1,485,517	1,252,696	0	0	207,271	19,977	80	5,492
Animal and Plant Health Inspection Service	23,598	16,367	0	0	7,231	0	0	0
Economic Research Service	87,794	78,038	0	0	5,166	4,590	0	0
Forest Service	245,837	213,150	0	1,364	23,774	2,568	4,716	267
National Agricultural Statistics Service	6,126	5,729	0	0	54	343	0	0
National Institute of Food and Agriculture	985,983	12,605	0	34,303	912,622	21,406	4,997	50
Natural Resources Conservation Service	15,379	14,624	0	0	755	0	0	0
Department of Commerce	1,689,980	1,259,768	18,615	56,188	333,042	18,561	1,770	2,036
Census Bureau	150,213	150,213	0	0	0	0	0	0
National Institute of Standards and Technology	780,207	656,063	13,058	32,558	72,283	4,007	206	2,033
National Oceanic and Atmospheric Administration	748,259	442,192	5,557	23,630	260,759	14,554	1,563	4
National Telecommunications and Information Administration	11,300	11,300	0	0	0	0	0	0
Department of Defense	10,165,798	3,744,069	866,086	2,472,200	2,478,391	525,756	17,421	61,874
Defense Advanced Research Projects Agency	1,798,258	98,286	100,045	923,469	511,653	143,425	450	20,929
Defense Health Agency	145,348	25,968	1,807	31,873	36,008	43,065	0	6,627
Department of the Air Force	2,925,568	2,053,358	47,324	31,210	586,149	197,235	10,291	0
Department of the Army	1,803,812	562,461	8,564	777,840	398,152	47,010	0	9,786
Department of the Navy	1,738,918	595,551	19,506	303,907	730,135	60,813	6,680	22,325
Space Force	175,192	104,884	11,298	54,563	4,446	0	0	0
Other defense agencies	1,578,702	303,560	677,543	349,337	211,848	34,208	0	2,207
Department of Education	299,085	0	0	20,593	148,400	96,494	33,598	0
Department of Energy	11,108,630	843,816	7,586,563	1,211,822	1,319,094	112,278	33,067	1,991
Advanced Research Projects Agency—Energy	201,482	937	24,650	94,950	73,287	7,659	0	0
Electricity Delivery and Energy Reliability	61,315	1,404	44,122	7,106	4,206	4,286	190	0
Energy Efficiency and Renewable Energy	678,802	6,534	420,293	128,772	88,000	33,552	1,650	0
Environmental Management	11,808	0	9,601	2,124	0	83	0	0
Fossil Energy	558,637	362,570	85,349	0	80,418	28,708	1,143	449

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National Nuclear Security Administration	2,793,813	236,825	2,144,591	387,541	24,857	0	0	0
Defense Programs	2,336,964	232,777	1,910,517	183,863	9,807	0	0	0
Naval Nuclear Propulsion Program	191,110	0	1,650	189,460	0	0	0	0
Office of Defense Nuclear Nonproliferation	265,739	4,048	232,423	14,218	15,050	0	0	0
Nuclear Energy	657,246	37,333	484,214	76,251	53,634	4,622	196	997
Office of Cybersecurity, Energy Security, and Emergency Response	21,377	0	9,184	0	12,194	0	0	0
Office of Science	6,124,150	198,213	4,364,560	515,077	982,499	33,369	29,888	544
Department of Health and Human Services	48,271,429	8,785,488	719,159	4,965,088	26,101,914	6,725,870	558,175	415,734
Administration for Children and Families	5,228	365	0	0	1,800	3,063	0	0
Administration for Community Living	106,731	0	0	4,898	77,027	24,338	468	0
Agency for Healthcare Research and Quality	314,345	46,928	0	133,403	103,809	30,110	95	0
Agency for Toxic Substances and Disease Registry	11,777	0	0	0	7,529	2,500	1,250	498
Biomedical Advanced Research and Development Authority	2,644,021	0	0	2,322,179	46,050	154,611	0	121,181
Centers for Disease Control and Prevention	550,366	90,694	0	95,186	246,564	59,564	30,043	28,316
Centers for Medicare and Medicaid Services	419,105	0	0	8,163	2,081	8,395	400,466	0
Food and Drug Administration	560,910	396,452	0	14,100	82,155	57,680	2,819	7,704
Health Resources and Services Administration	34,884	2,317	0	1,605	30,121	841	0	0
National Institutes of Health	43,588,544	8,247,214	719,159	2,360,157	25,504,332	6,376,613	123,034	258,035
Office of the Secretary of Health and Human Services	35,517	1,519	0	25,397	447	8,155	0	0
Office of the Assistant Secretary for Planning and Evaluation	35,517	1,519	0	25,397	447	8,155	0	0
Department of Homeland Security	327,816	102,152	36,707	162,160	18,274	6,234	162	2,127
Coast Guard	2,243	0	0	2,243	0	0	0	0
Countering Weapons of Mass Destruction Office	34,878	7,000	7,001	14,600	4,720	0	0	1,558
Cybersecurity and Infrastructure Security Agency	3,440	1,342	0	0	0	2,098	0	0
Science and Technology Directorate	287,005	93,560	29,707	145,317	13,554	4,136	162	569

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Secret Service	250	250	0	0	0	0	0	0
Transportation Security Administration	*	0	0	*	0	0	0	0
Department of the Interior	785,328	698,550	0	14,398	52,182	5,377	14,164	657
Bureau of Indian Affairs	5,000	0	0	0	0	0	5,000	0
Bureau of Land Management	10,583	3,734	0	242	5,337	1,071	199	0
Bureau of Ocean Energy Management	66,305	42,651	0	7,604	9,798	3,149	2,517	585
Bureau of Reclamation	17,705	13,257	0	3,100	1,128	0	148	72
Bureau of Safety and Environmental Enforcement	6,056	2,079	0	2,825	1,011	142	0	0
Fish and Wildlife Service	35,000	35,000	0	0	0	0	0	0
Geological Survey	617,457	585,117	0	627	24,517	896	6,300	0
National Park Service	27,222	16,712	0	0	10,391	119	0	0
Department of Justice	102,945	7,498	0	12,225	42,446	40,229	547	0
Bureau of Prisons	2	2	0	0	0	0	0	0
Federal Bureau of Investigation	8,887	49	0	7,488	1,350	0	0	0
Office of Justice Programs	94,056	7,448	0	4,737	41,096	40,229	547	0
Department of Labor	3,698	2,689	0	1,009	0	0	0	0
Employee Benefits Security Administration	1,910	901	0	1,009	0	0	0	0
Occupational Safety and Health Administration	1,788	1,788	0	0	0	0	0	0
Department of State	45,000	45,000	0	0	0	0	0	0
Department of Transportation	808,368	181,033	7,595	282,933	116,220	54,077	163,452	3,059
Federal Aviation Administration	260,969	63,964	3,647	117,017	67,047	6,584	425	2,285
Federal Highway Administration	341,879	65,577	1,878	77,556	11,141	26,785	158,942	0
Federal Motor Carrier Safety Administration	21,154	6,634	1,625	11,484	0	1,411	0	0
Federal Railroad Administration	32,291	8,381	0	12,176	6,526	4,435	0	773
Federal Transit Administration	11,909	5,950	0	0	1,875	0	4,084	0
National Highway Traffic Safety Administration	91,739	0	0	55,559	24,237	11,942	0	0
Office of the Secretary of Transportation	24,389	22,120	0	2,269	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	24,038	8,407	445	6,872	5,394	2,920	0	0
Department of the Treasury	37,082	2,500	8,850	10,786	0	510	0	14,436
Bureau of Engraving and Printing	37,082	2,500	8,850	10,786	0	510	0	14,436
Department of Veterans Affairs	1,605,959	1,605,959	0	0	0	0	0	0

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				Businesses	Higher education <sup>b</sup>	Nonprofit organizations	State and local governments	
Other agencies								
Administrative Office of the U.S. Courts	1,443	0	1,443	0	0	0	0	0
Agency for Global Media	8,413	791	0	7,622	0	0	0	0
Agency for International Development	152,853	18,441	0	8,296	32,549	30,635	0	62,932
Appalachian Regional Commission	804	0	0	445	162	197	0	0
Consumer Product Safety Commission	165	165	0	0	0	0	0	0
Environmental Protection Agency	406,371	211,102	1,118	136,557	46,217	11,378	0	0
Federal Trade Commission	2,713	2,713	0	0	0	0	0	0
Library of Congress	512	512	0	0	0	0	0	0
National Aeronautics and Space Administration	7,304,822	1,232,240	1,538,792	2,747,920	1,514,032	246,583	5,981	19,274
National Science Foundation	6,896,067	27,409	315,499	481,807	5,689,744	342,738	17,301	21,568
Nuclear Regulatory Commission	61,399	1,038	32,425	7,917	15,592	753	0	3,674
Patient-Centered Outcomes Research Trust Fund	521,671	0	0	0	0	521,671	0	0
Postal Service	13,860	0	0	13,860	0	0	0	0
RESTORE Act Centers of Excellence Research Grants Program	6,960	0	0	0	0	0	6,960	0
Smithsonian Institution	227,400	227,400	0	0	0	0	0	0
Social Security Administration	78,704	47,465	0	20,763	3,825	6,532	0	119
Tennessee Valley Authority	11,752	0	0	9,049	0	2,703	0	0

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

FFRDC = federally funded research and development center.

<sup>a</sup> Federal agencies' activities cover costs associated with the administration of federal R&D performance and R&D procurements from nonfederal performers by federal personnel, transfers of funds to other federal agencies for purposes related to R&D, and actual federal performance.<sup>b</sup> Higher education includes both public and private institutions as well as University Affiliated Research Centers.**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.