

TABLE 31

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

(Dollars in thousands)

Agency	Total	Intramural		Extramural				
		Federal agencies ^a	FFRDCs	United States and U.S. territories				Non-U.S. performers
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments	
All agencies	48,414,424	12,831,123	4,402,075	8,821,535	16,808,860	4,815,617	318,751	416,463
Departments								
Department of Agriculture	1,442,986	790,232	0	17,784	602,498	25,656	4,116	2,700
Agricultural Marketing Service	9,865	9,865	0	0	0	0	0	0
Agricultural Research Service	660,230	556,754	0	0	92,120	8,879	36	2,441
Economic Research Service	87,794	78,038	0	0	5,166	4,590	0	0
Forest Service	160,583	133,647	0	1,114	20,762	2,412	2,416	232
National Agricultural Statistics Service	6,126	5,729	0	0	54	343	0	0
National Institute of Food and Agriculture	517,747	6,199	0	16,670	483,754	9,432	1,665	27
Natural Resources Conservation Service	642	0	0	0	642	0	0	0
Department of Commerce	1,416,683	1,022,823	18,615	54,197	300,880	16,721	1,770	1,677
Census Bureau	150,213	150,213	0	0	0	0	0	0
National Institute of Standards and Technology	506,911	419,118	13,058	30,567	40,120	2,167	206	1,674
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	7,016,251	3,094,419	708,163	1,949,023	947,167	288,117	1,417	27,944
Defense Advanced Research Projects Agency	1,358,129	82,729	76,236	782,537	310,374	95,275	450	10,527
Defense Health Agency	134,635	25,189	1,549	30,051	34,264	36,955	0	6,627
Department of the Air Force	1,955,684	1,802,710	47,324	10,933	57,316	37,388	12	0
Department of the Army	1,290,220	457,720	8,191	639,348	148,579	33,856	0	2,526
Department of the Navy	1,076,932	377,777	18,538	272,462	347,537	51,410	955	8,254
Space Force	104,248	98,646	5,602	0	0	0	0	0
Other defense agencies	1,096,402	249,649	550,723	213,692	49,096	33,233	0	10
Department of Education	267,496	0	0	20,167	121,735	92,533	33,061	0
Department of Energy	5,000,763	643,554	3,112,924	843,202	318,128	78,355	3,154	1,446
Advanced Research Projects Agency—Energy	201,482	937	24,650	94,950	73,287	7,659	0	0
Electricity Delivery and Energy Reliability	53,394	1,223	38,422	6,188	3,663	3,732	166	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
National Nuclear Security Administration	2,672,387	234,957	2,043,413	384,161	9,857	0	0	0
Defense Programs	2,336,964	232,777	1,910,517	183,863	9,807	0	0	0

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Naval Nuclear Propulsion Program	191,110	0	1,650	189,460	0	0	0	0
Office of Defense Nuclear Nonproliferation	144,313	2,180	131,245	10,838	50	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	16,251	0	6,982	0	9,270	0	0	0
Office of Science	150,755	0	0	150,755	0	0	0	0
Department of Health and Human Services	25,860,920	4,591,790	358,141	3,768,616	13,259,050	3,512,354	86,050	284,920
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	460,691	55,771	0	93,281	208,955	55,503	20,147	27,035
Food and Drug Administration	560,910	396,452	0	14,100	82,155	57,680	2,819	7,704
Health Resources and Services Administration	32,429	1,467	0	0	30,121	841	0	0
National Institutes of Health	21,689,271	4,089,288	358,141	1,175,358	12,701,157	3,175,553	61,271	128,502
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	258,612	96,580	21,387	125,571	6,609	6,176	162	2,127
Coast Guard	2,243	0	0	2,243	0	0	0	0
Countering Weapons of Mass Destruction Office	26,159	7,000	7,001	10,600	0	0	0	1,558
Cybersecurity and Infrastructure Security Agency	3,440	1,342	0	0	0	2,098	0	0
Science and Technology Directorate	226,771	88,238	14,387	112,728	6,609	4,078	162	569
Transportation Security Administration	*	0	0	*	0	0	0	0
Department of the Interior	691,384	611,830	0	13,981	46,612	5,065	13,238	657
Bureau of Indian Affairs	5,000	0	0	0	0	0	5,000	0
Bureau of Land Management	8,579	3,057	0	117	4,347	940	118	0

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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	4,770	1,512	0	2,655	461	142	0	0
Fish and Wildlife Service	35,000	35,000	0	0	0	0	0	0
Geological Survey	526,802	499,641	0	505	20,486	715	5,455	0
National Park Service	27,222	16,712	0	0	10,391	119	0	0
Department of Justice	86,014	3,180	0	11,745	35,225	35,316	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	77,125	3,130	0	4,257	33,875	35,316	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	38,000	38,000	0	0	0	0	0	0
Department of Transportation	806,251	180,036	7,150	282,258	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	24,368	22,099	0	2,269	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	21,942	7,431	0	6,197	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	940,865	940,865	0	0	0	0	0	0
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

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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	2,246,909	529,581	131,860	1,325,847	208,129	43,982	495	7,014
National Science Foundation	1,032,892	818	0	192,840	748,262	82,886	4,329	3,758
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
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.

^a 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.^b 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.