

TABLE 27

Preliminary federal obligations for basic 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	43,790,457	6,533,077	6,632,343	3,557,074	21,737,399	4,556,513	541,349	232,702
Departments								
Department of Agriculture	1,458,701	850,192	0	14,952	539,151	48,300	3,689	2,417
Agricultural Research Service	799,500	720,727	0	0	71,273	5,040	83	2,377
Animal and Plant Health Inspection Service	23,363	16,789	0	0	6,574	0	0	0
Forest Service	95,083	88,282	0	*	5,658	133	957	*
National Institute of Food and Agriculture	527,876	12,194	0	14,939	455,082	43,128	2,534	0
Natural Resources Conservation Service	12,878	12,200	0	0	563	0	115	0
Department of Commerce	287,118	267,962	0	6,009	9,864	2,925	0	359
National Institute of Standards and Technology	287,118	267,962	0	6,009	9,864	2,925	0	359
Department of Defense	2,976,752	628,760	71,558	510,962	1,602,164	103,525	4,262	55,520
Defense Advanced Research Projects Agency	512,844	17,563	24,888	141,000	275,550	42,618	0	11,225
Defense Health Agency	15,570	4,158	351	6,211	1,871	2,980	0	0
Department of the Air Force	724,626	59,774	2,177	75,142	560,137	3,894	0	23,502
Department of the Army	586,322	196,213	32,340	77,697	259,782	13,485	0	6,805
Department of the Navy	852,383	322,958	327	29,022	442,989	39,574	4,262	13,250
Space Force	76,353	6,714	6,131	58,723	4,785	0	0	0
Other defense agencies	208,654	21,381	5,344	123,167	57,050	975	0	736
Department of Education	33,255	0	0	541	26,323	5,617	773	0
Department of Energy	5,947,161	132,329	4,742,878	67,862	971,787	8,481	23,825	0
Electricity Delivery and Energy Reliability	8,401	190	5,968	1,068	569	580	*	0
National Nuclear Security Administration	123,085	1,750	102,935	3,400	15,000	0	0	0
Office of Defense Nuclear Nonproliferation	123,085	1,750	102,935	3,400	15,000	0	0	0
Office of Cybersecurity, Energy Security, and Emergency Response	20,270	14,692	5,578	0	0	0	0	0
Office of Science	5,795,405	115,697	4,628,396	63,394	956,218	7,901	23,799	0
Department of Health and Human Services	21,411,636	3,139,491	376,815	1,307,288	12,470,722	3,498,582	480,204	138,534
Centers for Disease Control and Prevention	96,501	30,137	0	443	38,774	10,632	15,957	559
Centers for Medicare and Medicaid Services	420,703	0	0	10,793	1,982	6,608	401,319	0
Health Resources and Services Administration	3,399	2,832	0	567	0	0	0	0
National Institutes of Health	20,891,033	3,106,523	376,815	1,295,485	12,429,966	3,481,342	62,928	137,975
Department of Homeland Security	67,631	20,717	0	25,387	21,527	0	0	0

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		Federal agencies ^a	FFRDCs	United States and U.S. territories				
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Countering Weapons of Mass Destruction Office	6,631	500	0	0	6,131	0	0	0
Science and Technology Directorate	61,000	20,217	0	25,387	15,396	0	0	0
Department of the Interior	174,008	147,046	0	466	16,931	673	8,892	0
Bureau of Land Management	2,004	802	0	0	990	131	81	0
Bureau of Safety and Environmental Enforcement	1,500	126	0	272	847	255	0	0
Geological Survey	170,504	146,118	0	194	15,094	287	8,811	0
Department of Justice	8,265	4,500	0	0	1,665	2,100	0	0
Office of Justice Programs	8,265	4,500	0	0	1,665	2,100	0	0
Department of State	7,000	7,000	0	0	0	0	0	0
Department of Transportation	9,016	6,493	0	2,523	0	0	0	0
Federal Motor Carrier Safety Administration	900	0	0	900	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	8,116	6,493	0	1,623	0	0	0	0
Department of the Treasury	5,900	0	2,900	0	0	0	0	3,000
Bureau of Engraving and Printing	5,900	0	2,900	0	0	0	0	3,000
Department of Veterans Affairs	670,701	670,701	0	0	0	0	0	0
Other agencies								
National Aeronautics and Space Administration	4,588,766	554,878	1,125,334	1,303,929	964,450	624,817	2,529	12,831
National Science Foundation	6,049,547	8,009	312,858	317,156	5,112,813	261,494	17,175	20,042
Smithsonian Institution	95,000	95,000	0	0	0	0	0	0

* = amount greater than \$0 but less than \$50,000.

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. As of volume 71 (FYs 2021–22), FFRDCs are classified as intramural R&D performers, whereas they were extramural in previous volumes; therefore, data are not directly comparable across volumes. Past years in the trend tables have been adjusted to reflect the current classification of FFRDCs. 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 2021–22.