

TABLE 12

Federal obligations for federal agency performance of R&D, by agency, type of R&D, and R&D plant: FY 2022

(Dollars in thousands)

Agency	Total R&D and R&D plant	Type of R&D			R&D plant	
		Total R&D	Basic research	Applied research		Experimental development
All agencies	71,875,584	70,779,628	7,819,749	12,831,123	50,128,755	1,095,957
Departments						
Department of Agriculture	2,024,231	1,844,791	812,842	790,232	241,717	179,440
Agricultural Marketing Service	9,865	9,865	0	9,865	0	0
Agricultural Research Service	1,561,946	1,391,885	695,942	556,754	139,188	170,061
Animal and Plant Health Inspection Service	30,406	30,406	16,367	0	14,039	0
Economic Research Service	78,038	78,038	0	78,038	0	0
Forest Service	306,379	297,000	79,502	133,647	83,850	9,379
National Agricultural Statistics Service	10,368	10,368	0	5,729	4,639	0
National Institute of Food and Agriculture	12,605	12,605	6,406	6,199	0	0
Natural Resources Conservation Service	14,624	14,624	14,624	0	0	0
Department of Commerce	1,800,510	1,421,085	236,945	1,022,823	161,317	379,425
Census Bureau	201,701	201,701	0	150,213	51,488	0
National Institute of Standards and Technology	764,396	668,238	236,945	419,118	12,175	96,158
National Oceanic and Atmospheric Administration	821,613	539,846	0	442,192	97,654	281,767
National Telecommunications and Information Administration	12,800	11,300	0	11,300	0	1,500
Department of Defense	26,825,786	26,646,859	649,651	3,094,419	22,902,790	178,926
Defense Advanced Research Projects Agency	299,095	299,095	15,558	82,729	200,809	0
Defense Health Agency	150,381	150,381	779	25,189	124,413	0
Department of the Air Force	7,271,156	7,150,397	250,648	1,802,710	5,097,039	120,759
Department of the Army	4,486,537	4,486,537	104,741	457,720	3,924,076	0
Department of the Navy	7,530,625	7,480,763	217,775	377,777	6,885,212	49,862
Space Force	413,685	413,685	6,238	98,646	308,800	0
Other defense agencies	6,674,307	6,666,002	53,911	249,649	6,362,442	8,305
Department of Energy	1,082,164	1,007,045	200,262	643,554	163,229	75,119
Advanced Research Projects Agency--Energy	1,873	1,873	0	937	937	0
Electricity Delivery and Energy Reliability	2,607	2,607	181	1,223	1,203	0
Energy Efficiency and Renewable Energy	15,500	15,500	0	6,534	8,966	0
Fossil Energy	391,570	362,570	0	362,570	0	29,000
National Nuclear Security Administration	420,864	384,082	1,868	234,957	147,257	36,782
Defense Programs	358,195	321,413	0	232,777	88,636	36,782
Naval Nuclear Propulsion Program	55,579	55,579	0	0	55,579	0
Office of Defense Nuclear Nonproliferation	7,090	7,090	1,868	2,180	3,043	0
Nuclear Energy	44,174	42,200	0	37,333	4,867	1,973
Office of Science	205,576	198,213	198,213	0	0	7,364
Department of Health and Human Services	34,722,554	34,595,044	4,193,698	4,591,790	25,809,556	127,510
Administration for Children and Families	365	365	0	365	0	0
Agency for Healthcare Research and Quality	82,983	82,983	0	46,928	36,055	0
Biomedical Advanced Research and Development Authority	25,769,549	25,768,610	0	0	25,768,610	938
Centers for Disease Control and Prevention	95,584	95,584	34,922	55,771	4,890	0
Food and Drug Administration	406,867	396,452	0	396,452	0	10,415

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		Total R&D	Basic research	Applied research	Experimental development	
Health Resources and Services Administration	2,317	2,317	850	1,467	0	0
National Institutes of Health	8,363,371	8,247,214	4,157,926	4,089,288	0	116,157
Office of the Secretary of Health and Human Services	1,519	1,519	0	1,519	0	0
Office of the Assistant Secretary for Planning and Evaluation	1,519	1,519	0	1,519	0	0
Department of Homeland Security	210,759	210,759	5,572	96,580	108,607	0
Countering Weapons of Mass Destruction Office	9,000	9,000	0	7,000	2,000	0
Cybersecurity and Infrastructure Security Agency	1,342	1,342	0	1,342	0	0
Science and Technology Directorate	199,647	199,647	5,322	88,238	106,087	0
Secret Service	771	771	250	0	521	0
Department of the Interior	834,471	832,691	86,720	611,830	134,141	1,780
Bureau of Land Management	4,496	4,496	677	3,057	762	0
Bureau of Ocean Energy Management	57,489	57,489	0	42,651	14,838	0
Bureau of Reclamation	20,495	19,695	0	13,257	6,438	800
Bureau of Safety and Environmental Enforcement	3,253	2,273	567	1,512	194	980
Fish and Wildlife Service	35,000	35,000	0	35,000	0	0
Geological Survey	696,341	696,341	85,476	499,641	111,223	0
National Park Service	17,397	17,397	0	16,712	685	0
Department of Justice	8,101	8,101	4,318	3,180	603	0
Bureau of Prisons	5	5	0	2	3	0
Federal Bureau of Investigation	49	49	0	49	0	0
Office of Justice Programs	8,048	8,048	4,318	3,130	600	0
Department of Labor	2,689	2,689	0	2,689	0	0
Employee Benefits Security Administration	901	901	0	901	0	0
Occupational Safety and Health Administration	1,788	1,788	0	1,788	0	0
Department of State	65,000	65,000	7,000	38,000	20,000	0
Department of Transportation	210,856	209,837	997	180,036	28,804	1,019
Federal Aviation Administration	83,661	83,650	0	63,964	19,686	11
Federal Highway Administration	69,885	69,885	0	65,577	4,309	0
Federal Motor Carrier Safety Administration	9,252	9,252	0	6,634	2,618	0
Federal Railroad Administration	10,388	9,379	0	8,381	999	1,009
Federal Transit Administration	7,142	7,142	0	5,950	1,192	0
Office of the Secretary of Transportation	22,120	22,120	21	22,099	0	0
Pipeline and Hazardous Materials Safety Administration	8,407	8,407	976	7,431	0	0
Department of the Treasury	2,500	2,500	0	2,500	0	0
Bureau of Engraving and Printing	2,500	2,500	0	2,500	0	0
Department of Veterans Affairs	1,622,181	1,622,181	665,094	940,865	16,222	0
Other agencies						
Agency for Global Media	791	791	0	791	0	0
Agency for International Development	22,630	22,630	0	18,441	4,189	0
Consumer Product Safety Commission	165	165	0	165	0	0
Environmental Protection Agency	272,958	272,958	0	211,102	61,856	0

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		Total R&D	Basic research	Applied research	
Federal Trade Commission	2,713	2,713	0	2,713	0
Library of Congress	3,055	3,055	0	512	2,543
National Aeronautics and Space Administration	1,705,422	1,705,422	702,660	529,581	473,181
National Science Foundation	110,546	27,409	26,592	818	0
Nuclear Regulatory Commission	1,038	1,038	0	1,038	0
Smithsonian Institution	297,000	227,400	227,400	0	0
Social Security Administration	47,465	47,465	0	47,465	0

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.