

TABLE 12

Federal obligations for federal agency performance of R&D, by agency, type of R&D, and R&D plant: FY 2023

(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	45,117,706	43,697,234	7,914,144	12,484,577	23,298,513	1,420,473
Departments						
Department of Agriculture	1,987,830	1,924,262	825,600	836,947	261,715	63,568
Agricultural Marketing Service	6,265	6,265	0	3,133	3,133	0
Agricultural Research Service	1,515,398	1,467,038	733,519	586,815	146,704	48,360
Animal and Plant Health Inspection Service	24,465	24,465	13,035	0	11,430	0
Economic Research Service	86,347	86,347	0	86,347	0	0
Forest Service	321,334	307,000	72,154	139,178	95,668	14,334
National Agricultural Statistics Service	10,565	10,565	0	5,785	4,781	0
National Institute of Food and Agriculture	12,070	12,070	6,693	5,377	0	0
Natural Resources Conservation Service	11,385	10,512	200	10,312	0	873
Department of Commerce	2,234,279	1,638,467	257,038	1,082,319	299,109	595,813
Census Bureau	284,409	284,409	0	151,257	133,152	0
National Institute of Standards and Technology	889,533	746,436	257,038	431,032	58,365	143,098
National Oceanic and Atmospheric Administration	1,048,132	596,780	0	489,189	107,591	451,352
National Telecommunications and Information Administration	12,205	10,842	0	10,842	0	1,363
Department of Defense	24,647,529	24,376,207	418,597	2,287,028	21,670,582	271,322
Defense Advanced Research Projects Agency	258,664	258,664	9,948	81,681	167,035	0
Defense Health Agency	296,314	296,314	17,639	68,427	210,247	0
Department of the Air Force	5,063,009	4,849,811	88,236	1,130,656	3,630,920	213,198
Department of the Army	3,249,191	3,249,191	8,694	233,894	3,006,603	0
Department of the Navy	8,516,291	8,466,234	214,597	479,185	7,772,453	50,057
Space Force	575,640	575,640	0	0	575,640	0
Other defense agencies	6,688,419	6,680,353	79,484	293,185	6,307,684	8,067
Department of Energy	1,376,712	1,319,305	222,213	939,045	158,047	57,407
Advanced Research Projects Agency—Energy	7,946	7,946	0	3,973	3,973	0
Electricity Delivery and Energy Reliability	818	818	40	323	455	0
Energy Efficiency and Renewable Energy	19,614	19,614	0	8,240	11,374	0
Environmental Management	21	21	0	7	14	0
Fossil Energy	671,762	646,562	0	646,562	0	25,200
National Nuclear Security Administration	402,640	371,457	0	241,070	130,387	31,183
Defense Programs	341,385	310,202	0	239,511	70,691	31,183
Naval Nuclear Propulsion Program	58,525	58,525	0	0	58,525	0
Office of Defense Nuclear Nonproliferation	2,730	2,730	0	1,559	1,171	0
Nuclear Energy	48,909	47,885	0	36,917	10,968	1,024
Office of Cybersecurity, Energy Security, and Emergency Response	3,020	3,020	544	1,601	876	0
Office of Science	221,983	221,983	221,630	354	0	0
Department of Health and Human Services	9,608,097	9,272,797	4,391,794	4,842,204	38,799	335,301
Administration for Children and Families	35	35	0	35	0	0
Agency for Healthcare Research and Quality	82,983	82,983	0	46,928	36,055	0
Biomedical Advanced Research and Development Authority	186,795	186,795	0	186,795	0	0

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Centers for Disease Control and Prevention	67,647	67,647	24,833	40,069	2,744	0
Centers for Medicare and Medicaid Services	14,953	14,953	14,953	0	0	0
Food and Drug Administration	452,992	436,712	0	436,712	0	16,280
Health Resources and Services Administration	5,529	3,509	2,095	1,414	0	2,020
National Institutes of Health	8,794,663	8,477,663	4,349,913	4,127,750	0	317,001
Office of the Secretary of Health and Human Services	2,500	2,500	0	2,500	0	0
Office of the Assistant Secretary for Planning and Evaluation	2,500	2,500	0	2,500	0	0
Department of Homeland Security	256,048	244,673	23,250	93,565	127,858	11,375
Cybersecurity and Infrastructure Security Agency	1,416	1,416	0	1,368	48	0
Science and Technology Directorate	249,379	238,004	23,250	92,197	122,557	11,375
Secret Service	2,252	2,252	0	0	2,252	0
Transportation Security Administration	3,000	3,000	0	0	3,000	0
Department of the Interior	411,668	410,167	42,192	336,602	31,373	1,501
Bureau of Land Management	6,811	6,811	614	6,115	83	0
Bureau of Reclamation	16,089	14,829	0	14,062	767	1,260
Bureau of Safety and Environmental Enforcement	2,085	1,843	181	935	728	241
Fish and Wildlife Service	41,000	41,000	0	41,000	0	0
Geological Survey	343,676	343,676	41,397	272,483	29,795	0
National Park Service	2,008	2,008	0	2,008	0	0
Department of Justice	4,832	4,832	1,191	1,690	1,951	0
Bureau of Prisons	2	2	0	1	1	0
Office of Justice Programs	4,830	4,830	1,191	1,689	1,950	0
Department of Labor	880	880	0	880	0	0
Employee Benefits Security Administration	880	880	0	880	0	0
Department of State	56,444	56,444	6,079	32,998	17,367	0
Department of Transportation	261,423	261,406	37,004	178,188	46,214	17
Federal Aviation Administration	58,926	58,909	0	26,593	32,316	17
Federal Highway Administration	68,137	68,137	0	63,828	4,309	0
Federal Motor Carrier Safety Administration	10,699	10,699	250	5,937	4,512	0
Federal Railroad Administration	8,466	8,466	0	7,789	677	0
Federal Transit Administration	1,423	1,423	0	1,053	370	0
National Highway Traffic Safety Administration	1,967	1,967	0	1,967	0	0
Office of the Secretary of Transportation	88,974	88,974	36,543	52,431	0	0
Pipeline and Hazardous Materials Safety Administration	22,832	22,832	211	18,591	4,030	0
Department of the Treasury	2,938	2,938	0	0	2,938	0
Bureau of Engraving and Printing	1,978	1,978	0	0	1,978	0
Mint	960	960	0	0	960	0
Department of Veterans Affairs	1,789,065	1,789,065	715,626	1,037,658	35,781	0
Other agencies						
Agency for Global Media	800	800	0	800	0	0

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		Total R&D	Basic research	Applied research		Experimental development
Agency for International Development	23,941	23,941	0	18,504	5,437	0
Consumer Product Safety Commission	374	374	0	374	0	0
Environmental Protection Agency	286,431	286,431	0	222,552	63,879	0
Federal Trade Commission	3,133	3,133	0	3,133	0	0
Library of Congress	3,004	3,004	0	495	2,509	0
National Aeronautics and Space Administration	1,678,538	1,676,638	624,776	516,908	534,953	1,900
National Science Foundation	117,028	108,759	106,785	1,974	0	8,269
Nuclear Regulatory Commission	1,650	1,650	0	1,650	0	0
Smithsonian Institution	316,000	242,000	242,000	0	0	74,000
Social Security Administration	49,063	49,063	0	49,063	0	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. 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 2023–24.