

Table 12. Federal obligations for federal agency performance of R&D, by agency, type of R&D, and R&D plant: FY 2024

(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	52,449,823	51,071,672	10,069,051	14,417,151	26,585,470	1,378,150
Departments						
Department of Agriculture	2,137,509	1,999,908	845,106	926,838	227,964	137,601
Agricultural Research Service	1,639,586	1,502,220	751,110	600,888	150,222	137,366
Animal and Plant Health Inspection Service	40,904	40,904	1,184	19,842	19,878	0
Economic Research Service	89,757	89,757	0	89,757	0	0
Forest Service	274,730	274,730	89,009	131,366	54,356	0
National Agricultural Statistics Service	7,797	7,797	0	4,288	3,509	0
National Institute of Food and Agriculture	8,645	8,645	3,803	4,842	0	0
Natural Resources Conservation Service	76,090	75,855	0	75,855	0	235
Department of Commerce	2,578,280	1,961,150	286,862	1,096,729	577,558	617,131
Census Bureau	355,542	355,542	0	190,730	164,812	0
National Institute of Standards and Technology	1,185,345	1,049,903	286,862	455,920	307,121	135,442
National Oceanic and Atmospheric Administration	1,037,393	555,704	0	450,079	105,625	481,689
Department of Defense	30,796,498	30,574,072	2,355,767	3,479,549	24,738,757	222,425
Defense Advanced Research Projects Agency	298,469	298,469	13,783	98,454	186,231	0
Defense Health Agency	492,443	492,443	29,095	184,662	278,686	0
Department of the Air Force	9,261,491	9,092,168	1,785,713	1,964,225	5,342,230	169,323
Air Force	8,561,018	8,391,695	1,754,311	1,964,225	4,673,158	169,323
Space Force	700,473	700,473	31,402	0	669,072	0
Department of the Army	2,923,925	2,923,925	267,097	528,544	2,128,284	0
Department of the Navy	10,303,813	10,259,029	227,856	444,008	9,587,164	44,785
Other defense agencies	7,516,356	7,508,039	32,222	259,655	7,216,161	8,317
Department of Energy	1,783,172	1,724,891	229,840	1,306,257	188,794	58,282
Advanced Research Projects Agency—Energy	1,082	1,082	0	541	541	0
Electricity Delivery and Energy Reliability	967	967	90	399	478	0
Energy Efficiency and Renewable Energy	16,546	16,546	0	10,010	6,536	0
Environmental Management	50	50	0	16	33	0
Fossil Energy	1,006,219	981,219	0	981,219	0	25,000
National Nuclear Security Administration	472,494	442,490	198	274,871	167,421	30,004
Defense Programs	408,121	378,117	0	273,138	104,978	30,004
Naval Nuclear Propulsion Program	61,540	61,540	0	0	61,540	0
Office of Defense Nuclear Nonproliferation	2,833	2,833	198	1,732	903	0
Nuclear Energy	55,960	52,682	0	38,899	13,784	3,278
Office of Cybersecurity, Energy Security, and Emergency Response	76	76	0	76	0	0
Office of Science	229,779	229,779	229,552	227	0	0
Department of Health and Human Services	10,173,667	9,873,474	4,651,352	5,180,672	41,450	300,193
Administration for Children and Families	35	35	0	35	0	0
Advanced Research Projects Agency for Health	33,957	33,957	0	33,957	0	0
Agency for Healthcare Research and Quality	82,983	82,983	0	46,928	36,055	0
Biomedical Advanced Research and Development Authority	66,552	66,552	0	66,552	0	0

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		Total R&D	Basic research	Applied research	Experimental development	
Centers for Disease Control and Prevention	67,210	67,210	29,922	31,893	5,395	0
Centers for Medicare and Medicaid Services	71	71	71	0	0	0
Food and Drug Administration	478,528	474,672	0	474,672	0	3,856
Health Resources and Services Administration	8,452	5,282	2,962	2,321	0	3,169
National Institutes of Health	9,433,320	9,140,152	4,618,397	4,521,755	0	293,168
Office of the Secretary of Health and Human Services	2,559	2,559	0	2,559	0	0
Office of the Assistant Secretary for Planning and Evaluation	2,559	2,559	0	2,559	0	0
Department of Homeland Security	158,838	156,901	23,616	43,786	89,500	1,937
Coast Guard	2,631	2,631	0	2,208	423	0
Countering Weapons of Mass Destruction Office	7,500	7,500	532	6,607	361	0
Science and Technology Directorate	148,706	146,770	23,084	34,970	88,716	1,937
Department of the Interior	396,771	394,062	42,297	322,129	29,636	2,709
Bureau of Land Management	8,738	8,738	787	7,845	106	0
Bureau of Reclamation	10,998	8,590	0	8,035	555	2,408
Bureau of Safety and Environmental Enforcement	4,336	4,036	956	3,017	63	301
Fish and Wildlife Service	48,000	48,000	0	48,000	0	0
Geological Survey	323,128	323,128	40,554	253,662	28,912	0
National Park Service	1,570	1,570	0	1,570	0	0
Department of Justice	9,156	9,156	1,280	5,874	2,002	0
Bureau of Prisons	2,587	2,587	0	1,035	1,552	0
Office of Justice Programs	6,569	6,569	1,280	4,839	450	0
Department of Labor	1,050	1,050	0	1,050	0	0
Employee Benefits Security Administration	1,050	1,050	0	1,050	0	0
Department of State	34,388	34,388	1,146	21,779	11,463	0
Department of Transportation	220,944	220,944	63,847	123,619	33,478	0
Federal Aviation Administration	44,968	44,968	0	22,134	22,834	0
Federal Highway Administration	72,692	72,692	0	67,997	4,694	0
Federal Motor Carrier Safety Administration	5,861	5,861	0	3,400	2,461	0
Federal Railroad Administration	7,773	7,773	0	7,772	2	0
Federal Transit Administration	13,411	13,411	0	9,924	3,487	0
National Highway Traffic Safety Administration	9,328	9,328	0	9,328	0	0
Office of the Secretary of Transportation	57,440	57,440	57,440	0	0	0
Pipeline and Hazardous Materials Safety Administration	9,470	9,470	6,407	3,064	0	0
Department of the Treasury	2,250	2,250	0	0	2,250	0
Bureau of Engraving and Printing	2,250	2,250	0	0	2,250	0
Department of Veterans Affairs	1,789,572	1,789,572	715,829	1,037,952	35,791	0
Other agencies						
Agency for Global Media	2,916	2,916	0	2,916	0	0
Agency for International Development	23,941	23,941	0	18,504	5,437	0
Consumer Product Safety Commission	47	47	0	47	0	0
Environmental Protection Agency	299,781	299,781	0	232,343	67,438	0
Federal Trade Commission	834	834	0	834	0	0

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		Total R&D	Basic research	Applied research	Experimental development	
National Aeronautics and Space Administration	1,722,250	1,721,236	651,498	535,786	533,952	1,014
National Science Foundation	98,194	61,335	32,260	29,075	0	36,859
Nuclear Regulatory Commission	1,984	1,984	0	1,984	0	0
Smithsonian Institution	168,350	168,350	168,350	0	0	0
Social Security Administration	49,434	49,434	0	49,434	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. For additional notes associated with the agencies listed in this table, see technical table A-2 at <https://ncses.nsf.gov/surveys/federal-funds-research-development/2024-2025#technical-tables>.

Source(s):
National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2024–25.