

Table 5. Federal obligations for research and experimental development, by agency and type of R&D: FY 2024

(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Experimental development		
				Total	Advanced technology	Major systems
All agencies	194,242,643	47,493,585	52,062,246	94,686,812	13,657,764	71,011,667
Departments						
Department of Agriculture	3,493,309	1,555,396	1,643,281	294,633	na	na
Agricultural Marketing Service	29,256	0	14,628	14,628	na	na
Agricultural Research Service	1,787,448	893,724	714,979	178,745	na	na
Animal and Plant Health Inspection Service	76,667	11,486	22,331	42,849	na	na
Economic Research Service	90,612	0	90,612	0	na	na
Forest Service	319,739	108,711	156,672	54,356	na	na
National Agricultural Statistics Service	8,334	0	4,584	3,750	na	na
National Institute of Food and Agriculture	1,090,042	541,111	548,930	0	na	na
Natural Resources Conservation Service	91,212	363	90,545	305	na	na
Department of Commerce	2,664,969	355,423	1,578,983	730,562	na	na
Census Bureau	359,951	0	194,832	165,119	na	na
National Institute of Standards and Technology	1,313,554	355,423	617,003	341,127	na	na
National Oceanic and Atmospheric Administration	965,783	0	763,197	202,586	na	na
National Telecommunications and Information Administration	25,681	0	3,952	21,729	na	na
Department of Defense	97,856,147	4,692,643	8,494,073	84,669,431	13,657,764	71,011,667
Defense Advanced Research Projects Agency	4,176,753	352,404	1,457,228	2,367,121	2,116,120	251,001
Defense Health Agency	3,214,735	49,239	550,510	2,614,986	2,194,973	420,013
Department of the Air Force	30,252,161	2,715,829	2,357,143	25,179,189	1,703,564	23,475,625
Air Force	20,793,852	2,684,428	2,357,143	15,752,281	1,281,507	14,470,774
Space Force	9,458,310	31,402	0	9,426,908	422,057	9,004,851
Department of the Army	15,507,167	524,159	1,525,156	13,457,852	2,217,611	11,240,241
Department of the Navy	23,989,698	684,855	1,362,151	21,942,693	1,329,137	20,613,555
Other defense agencies	20,715,632	366,157	1,241,885	19,107,590	4,096,359	15,011,231
Department of Education	456,546	28,226	323,055	105,265	na	na
Department of Energy	16,893,433	6,681,089	7,154,199	3,058,144	na	na
Advanced Research Projects Agency—Energy	496,421	0	248,211	248,211	na	na
Electricity Delivery and Energy Reliability	163,974	15,247	67,647	81,080	na	na
Energy Efficiency and Renewable Energy	2,474,000	0	1,496,665	977,335	na	na
Environmental Management	32,712	0	10,795	21,917	na	na
Fossil Energy	1,484,208	0	1,484,208	0	na	na
National Nuclear Security Administration	4,483,275	127,872	2,837,070	1,518,334	na	na
Defense Programs	3,127,561	0	2,530,526	597,035	na	na
Naval Nuclear Propulsion Program	958,270	0	150,900	807,370	na	na
Office of Defense Nuclear Nonproliferation	397,443	127,872	155,644	113,928	na	na
Nuclear Energy	941,074	0	729,806	211,268	na	na
Office of Cybersecurity, Energy Security, and Emergency Response	104,361	0	104,361	0	na	na
Office of Science	6,713,409	6,537,971	175,438	0	na	na
Department of Health and Human Services	48,793,488	22,794,933	25,942,267	56,287	na	na
Administration for Children and Families	10,682	0	10,682	0	na	na
Administration for Community Living	112,987	0	112,987	0	na	na
Advanced Research Projects Agency for Health	1,039,001	0	1,039,001	0	na	na
Agency for Healthcare Research and Quality	373,500	0	337,445	36,055	na	na
Agency for Toxic Substances and Disease Registry	2,798	0	2,798	0	na	na

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Biomedical Advanced Research and Development Authority	1,488,789	0	1,488,789	0	na	na
Centers for Disease Control and Prevention	383,750	84,553	278,964	20,232	na	na
Centers for Medicare and Medicaid Services	19,991	19,991	0	0	na	na
Food and Drug Administration	732,711	0	732,711	0	na	na
Health Resources and Services Administration	86,113	34,305	51,808	0	na	na
National Institutes of Health	44,508,166	22,656,084	21,852,081	0	na	na
Office of the Secretary of Health and Human Services	35,000	0	35,000	0	na	na
Office of the Assistant Secretary for Planning and Evaluation	35,000	0	35,000	0	na	na
Department of Homeland Security	535,931	72,292	164,521	299,118	na	na
Coast Guard	7,882	0	7,439	443	na	na
Countering Weapons of Mass Destruction Office	52,128	12,834	24,778	14,517	na	na
Science and Technology Directorate	458,692	59,208	132,305	267,179	na	na
Secret Service	3,810	250	0	3,560	na	na
Transportation Security Administration	13,419	0	0	13,419	na	na
Department of the Interior	494,093	43,857	412,933	37,302	na	na
Bureau of Indian Affairs	5,000	0	5,000	0	na	na
Bureau of Land Management	17,081	2,036	14,718	327	na	na
Bureau of Reclamation	30,365	0	26,297	4,068	na	na
Bureau of Safety and Environmental Enforcement	9,157	1,267	7,449	442	na	na
Fish and Wildlife Service	48,000	0	48,000	0	na	na
Geological Survey	378,125	40,554	305,105	32,466	na	na
National Park Service	6,365	0	6,365	0	na	na
Department of Justice	152,214	14,069	109,374	28,772	na	na
Bureau of Prisons	8,874	0	1,960	6,914	na	na
Federal Bureau of Investigation	16,475	0	0	16,475	na	na
Office of Justice Programs	126,866	14,069	107,414	5,383	na	na
Department of Labor	2,354	0	2,354	0	na	na
Employee Benefits Security Administration	2,354	0	2,354	0	na	na
Department of State	34,388	1,146	21,779	11,463	na	na
Department of Transportation	1,191,794	127,043	754,609	310,142	na	na
Federal Aviation Administration	396,201	0	205,194	191,007	na	na
Federal Highway Administration	437,125	0	394,977	42,148	na	na
Federal Motor Carrier Safety Administration	15,629	0	10,853	4,775	na	na
Federal Railroad Administration	35,108	0	28,788	6,319	na	na
Federal Transit Administration	50,677	0	37,501	13,176	na	na
National Highway Traffic Safety Administration	107,687	44,482	63,205	0	na	na
Office of the Secretary of Transportation	128,530	75,813	0	52,716	na	na
Pipeline and Hazardous Materials Safety Administration	20,839	6,748	14,090	0	na	na
Department of the Treasury	35,148	0	121	35,027	na	na
Bureau of Engraving and Printing	35,027	0	0	35,027	na	na
Mint	121	0	121	0	na	na
Department of Veterans Affairs	1,868,978	795,235	1,037,952	35,791	na	na
Other agencies						
Agency for Global Media	9,449	0	9,449	0	na	na
Agency for International Development	251,678	2,909	196,662	52,106	na	na

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Appalachian Regional Commission	1,190	0	1,190	0	na	na
Consumer Product Safety Commission	47	0	47	0	na	na
Environmental Protection Agency	535,300	0	414,880	120,420	na	na
Federal Trade Commission	834	0	834	0	na	na
National Aeronautics and Space Administration	10,904,550	4,356,036	1,805,165	4,743,349	na	na
National Science Foundation	6,995,225	5,804,939	1,190,286	0	na	na
Nuclear Regulatory Commission	72,668	0	72,668	0	na	na
Patient-Centered Outcomes Research Trust Fund	605,450	0	605,450	0	na	na
Postal Service	4,918	0	4,918	0	na	na
RESTORE Act Centers of Excellence Research Grants Program	6,556	0	6,556	0	na	na
Smithsonian Institution	168,350	168,350	0	0	na	na
Social Security Administration	96,639	0	96,639	0	na	na
Tennessee Valley Authority	117,000	0	18,000	99,000	na	na

na = not applicable; data were not collected at this level of detail for this agency or subagency.

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://nces.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.