

TABLE 6

Preliminary 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	195,655,902	47,472,596	51,146,662	97,036,644	13,538,109	67,628,810
Departments						
Department of Agriculture	3,607,339	1,657,608	1,676,893	272,838	na	na
Agricultural Marketing Service	13,940	0	6,970	6,970	na	na
Agricultural Research Service	1,877,000	938,500	750,800	187,700	na	na
Animal and Plant Health Inspection Service	47,000	25,500	0	21,500	na	na
Economic Research Service	90,612	0	90,612	0	na	na
Forest Service	300,000	86,116	162,205	51,679	na	na
National Agricultural Statistics Service	11,232	0	6,243	4,989	na	na
National Institute of Food and Agriculture	1,250,000	600,000	650,000	0	na	na
Natural Resources Conservation Service	17,556	7,493	10,063	0	na	na
Department of Commerce	8,777,447	361,102	1,611,483	6,804,862	na	na
Census Bureau	312,238	0	175,167	137,071	na	na
National Institute of Standards and Technology	7,365,599	361,102	567,629	6,436,868	na	na
National Oceanic and Atmospheric Administration	1,066,451	0	856,482	209,969	na	na
National Telecommunications and Information Administration	33,158	0	12,205	20,954	na	na
Department of Defense	93,001,182	3,605,923	8,228,340	81,166,918	13,538,109	67,628,810
Defense Advanced Research Projects Agency	4,738,562	397,591	1,762,630	2,578,341	2,409,650	168,691
Defense Health Agency	2,883,205	47,299	260,381	2,575,524	2,243,625	331,899
Department of the Air Force	17,582,718	1,397,690	2,252,143	13,932,885	1,418,130	12,514,756
Department of the Army	15,799,169	547,113	1,712,491	13,539,565	2,334,274	11,205,292
Department of the Navy	23,409,152	702,609	1,201,392	21,505,151	1,221,030	20,284,121
Space Force	9,667,382	0	0	9,667,382	452,406	9,214,976
Other defense agencies	18,920,995	513,621	1,039,304	17,368,071	3,458,995	13,909,076
Department of Education	416,724	35,712	281,326	99,686	na	na
Department of Energy	15,434,688	6,659,975	5,745,917	3,028,797	na	na
Advanced Research Projects Agency—Energy	460,000	0	230,000	230,000	na	na
Electricity Delivery and Energy Reliability	176,062	15,604	71,974	88,484	na	na
Energy Efficiency and Renewable Energy	2,186,657	0	979,915	1,206,742	na	na
Environmental Management	38,569	0	12,728	25,841	na	na
Fossil Energy	999,631	0	999,631	0	na	na
National Nuclear Security Administration	4,054,252	127,054	2,665,832	1,261,366	na	na
Defense Programs	2,705,156	0	2,363,145	342,011	na	na
Naval Nuclear Propulsion Program	958,270	0	150,900	807,370	na	na
Office of Defense Nuclear Nonproliferation	390,825	127,054	151,787	111,984	na	na
Nuclear Energy	810,861	0	648,506	162,355	na	na
Office of Cybersecurity, Energy Security, and Emergency Response	216,037	24,697	137,331	54,009	na	na
Office of Science	6,492,620	6,492,620	0	0	na	na
Department of Health and Human Services	49,577,827	22,743,650	26,662,466	171,711	na	na
Administration for Children and Families	6,882	0	6,882	0	na	na
Administration for Community Living	112,658	0	112,658	0	na	na
Advanced Research Projects Agency for Health	1,644,318	0	1,515,995	128,323	na	na
Agency for Healthcare Research and Quality	373,500	0	337,445	36,055	na	na
Agency for Toxic Substances and Disease Registry	5,891	0	5,891	0	na	na

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Biomedical Advanced Research and Development Authority	1,925,740	0	1,925,740	0	na	na
Centers for Disease Control and Prevention	399,025	75,713	315,978	7,333	na	na
Centers for Medicare and Medicaid Services	35,622	35,622	0	0	na	na
Food and Drug Administration	706,883	0	706,883	0	na	na
Health Resources and Services Administration	79,305	33,313	45,991	0	na	na
National Institutes of Health	44,253,003	22,599,002	21,654,002	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	553,488	73,593	166,064	313,831	na	na
Coast Guard	7,476	2,243	5,233	0	na	na
Countering Weapons of Mass Destruction Office	64,615	11,000	26,615	27,000	na	na
Cybersecurity and Infrastructure Security Agency	4,522	0	1,216	3,306	na	na
Science and Technology Directorate	461,000	60,000	133,000	268,000	na	na
Secret Service	1,875	350	0	1,525	na	na
Transportation Security Administration	14,000	0	0	14,000	na	na
Department of the Interior	509,211	42,961	423,687	42,563	na	na
Bureau of Indian Affairs	5,000	0	5,000	0	na	na
Bureau of Land Management	11,614	1,328	8,440	1,845	na	na
Bureau of Reclamation	30,365	0	26,297	4,068	na	na
Bureau of Safety and Environmental Enforcement	11,444	987	6,565	3,893	na	na
Fish and Wildlife Service	48,000	0	48,000	0	na	na
Geological Survey	397,769	40,646	324,365	32,757	na	na
National Park Service	5,020	0	5,020	0	na	na
Department of Justice	125,314	19,102	93,200	13,012	na	na
Bureau of Prisons	9	0	1	8	na	na
Federal Bureau of Investigation	6,078	0	6,078	0	na	na
Office of Justice Programs	119,226	19,102	87,120	13,004	na	na
Department of Labor	2,419	0	2,419	0	na	na
Employee Benefits Security Administration	2,419	0	2,419	0	na	na
Department of State	34,388	1,146	21,779	11,463	na	na
Department of Transportation	1,166,813	26,029	889,083	251,701	na	na
Federal Aviation Administration	459,616	0	241,094	218,522	na	na
Federal Highway Administration	420,331	0	402,255	18,076	na	na
Federal Motor Carrier Safety Administration	17,000	1,000	11,000	5,000	na	na
Federal Railroad Administration	50,830	0	46,764	4,066	na	na
Federal Transit Administration	7,836	0	5,799	2,037	na	na
National Highway Traffic Safety Administration	108,577	0	108,577	0	na	na
Office of the Secretary of Transportation	80,644	24,369	56,275	0	na	na
Pipeline and Hazardous Materials Safety Administration	21,979	660	17,319	4,000	na	na
Department of the Treasury	57,429	0	0	57,429	na	na
Bureau of Engraving and Printing	57,368	0	0	57,368	na	na
Mint	62	0	0	62	na	na
Department of Veterans Affairs	1,954,456	781,784	1,133,582	39,090	na	na

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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
Appalachian Regional Commission	369	0	369	0	na	na
Consumer Product Safety Commission	47	0	47	0	na	na
Environmental Protection Agency	535,365	0	414,945	120,420	na	na
Federal Trade Commission	10,381	0	10,381	0	na	na
Library of Congress	4,627	0	562	4,065	na	na
National Aeronautics and Space Administration	11,660,513	5,411,384	1,769,978	4,479,151	na	na
National Science Foundation	6,883,083	5,795,618	1,087,464	0	na	na
Nuclear Regulatory Commission	45,713	0	45,713	0	na	na
Patient-Centered Outcomes Research Trust Fund	542,680	0	542,680	0	na	na
Postal Service	6,479	0	6,479	0	na	na
RESTORE Act Centers of Excellence Research Grants Program	1,000	0	1,000	0	na	na
Smithsonian Institution	254,100	254,100	0	0	na	na
Social Security Administration	110,695	0	110,695	0	na	na
Tennessee Valley Authority	121,000	0	14,000	107,000	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. 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.