National Center for Science and Engineering Statistics

Data Tables Report

Federal Facilities Research and Development: Fiscal Year 2024

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General Notes

These tables present the results of the FY 2024 Federal Facilities Research and Development Survey from the National Center for Science and Engineering Statistics (NCSES) within the U.S. National Science Foundation.

NCSES has reviewed this product for unauthorized disclosure of confidential information and approved its release (NCSES-DRN25-004).

Data Tables

Total federal facility expenditures for R&D performed by the facility and others

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Federal facility expenditures for R&D performed by the facility

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Table 1. Total federal facility expenditures for R&D performed by the facility and others, by type of cost: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Performed by the facility			Performed by others
		All	Onsite contractors	All other costs	
All agencies	87,529,668	49,095,133	15,014,599	34,080,534	38,434,535
Department of Agriculture	1,699,183	1,248,585	3,132	1,245,453	450,599
Agricultural Research Service	1,164,097	835,752	0	835,752	328,345
Midwest Area	165,800	131,193	0	131,193	34,607
Northeast Area	221,408	161,648	0	161,648	59,759
Pacific West Area	215,647	169,342	0	169,342	46,305
Plains Area	290,331	182,884	0	182,884	107,448
Southeast Area	270,912	190,685	0	190,685	80,227
Animal and Plant Health Inspection Service	69,492	47,219	2,920	44,299	22,274
Forest Pest Methods Laboratory	15,325	10,149	800	9,349	5,176
Insect Management and Molecular Diagnostics Laboratory	6,105	3,436	558	2,879	2,669
National Veterinary Services Laboratories/ Center for Veterinary Biologics	16,429	11,629	789	10,840	4,800
National Wildlife Research Center	23,070	15,787	0	15,787	7,284
Plant Pathogen Confirmatory Diagnostics Laboratory	7,431	5,723	743	4,980	1,708
Treatment and Inspection Methods Laboratory	NA	NA	NA	NA	NA
Economic Research Service	89,757	89,757	0	89,757	0
Forest Service	351,248	252,761	0	252,761	98,487
Forest Products Laboratory	26,515	20,737	0	20,737	5,778
International Institute of Tropical Forestry	6,224	5,261	0	5,261	963
Northern Research Station	69,836	50,270	0	50,270	19,566
Pacific Northwest Research Station	57,014	40,421	0	40,421	16,593
Pacific Southwest Research Station	24,687	19,484	0	19,484	5,203
Rocky Mountain Research Station	76,630	54,753	0	54,753	21,877
Southern Research Station	57,041	43,699	0	43,699	13,342
Washington Office Research and Development	33,301	18,136	0	18,136	15,165
National Agricultural Statistics Service	10,576	10,576	10	10,566	0
Natural Resources Conservation Service	14,012	12,519	202	12,317	1,493
Plant Materials Center	11,533	11,490	202	11,288	43
Soil Science Research Branch	2,479	1,029	0	1,029	1,449
Department of Commerce	2,086,355	1,663,108	246,957	1,416,151	423,247
Census Bureau	359,951	355,462	118,043	237,419	4,489
National Institute of Standards and Technology[a]	839,142	788,920	-	788,920	50,223
National Oceanic and Atmospheric Administration	876,822	508,287	127,878	380,409	368,535
National Environmental Satellite, Data, and Information Service	70,316	31,645	10,596	21,049	38,671
Center for Satellite Applications and Research	53,962	26,024	6,897	19,127	27,938
National Centers for Environmental Information	16,355	5,621	3,699	1,922	10,734
National Marine Fisheries Service	52,240	48,840	7,852	40,988	3,400

Table 1. Total federal facility expenditures for R&D performed by the facility and others, by type of cost: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Performed by the facility			Performed by others
		All	Onsite contractors	All other costs	
Alaska Fisheries Science Center	10,975	10,959	1,109	9,850	16
Northeast Fisheries Science Center	9,113	8,355	3,362	4,993	759
Northwest Fisheries Science Center	10,928	9,839	1,287	8,551	1,089
Office of Protected Resources	224	212	0	212	12
Office of Science and Technology	967	959	344	615	7
Office of Sustainable Fisheries	625	625	0	625	0
Pacific Island Fisheries Science Center	4,761	4,730	66	4,663	31
Southeast Fisheries Science Center	8,241	6,754	484	6,271	1,486
Southwest Fisheries Science Center	6,408	6,408	1,200	5,208	0
National Ocean Service	108,534	73,898	10,420	63,479	34,636
Center for Operational Oceanographic Products and Services	2,412	2,383	0	2,383	29
National Centers for Coastal Ocean Science	75,792	52,173	10,420	41,754	23,619
National Geodetic Survey	8,945	7,138	0	7,138	1,807
Office for Coastal Management	6,040	6,040	0	6,040	0
Office of Response and Restoration	2,352	2,352	0	2,352	0
Office of the Coast Survey	12,992	3,811	0	3,811	9,181
National Weather Service	38,588	33,403	4,099	29,305	5,185
National Centers for Environmental Prediction	23,652	20,311	0	20,311	3,341
Office of Science and Technology Integration	14,936	13,092	4,099	8,994	1,844
Oceanic and Atmospheric Research	582,911	296,268	94,912	201,356	286,642
Air Resources Laboratory	14,792	12,291	5,639	6,652	2,501
Atlantic Oceanographic and Meteorological Laboratory	30,679	20,259	10,363	9,896	10,420
Chemical Sciences Laboratory	22,772	14,181	11,573	2,608	8,591
Climate Program Office	82,318	23,199	2,234	20,965	59,119
Earth System Research Laboratories	3,874	3,874	956	2,918	0
Geophysical Fluid Dynamics Laboratory	42,400	29,956	3,492	26,464	12,444
Global Monitoring Laboratory	30,195	20,188	7,200	12,988	10,007
Global Ocean Monitoring and Observing Program	39,621	21,851	200	21,651	17,770
Global Systems Laboratory	36,147	22,614	15,789	6,825	13,533
Great Lakes Environmental Research Laboratory	23,826	18,185	3,173	15,011	5,641
National Sea Grant College Program	58,354	3,136	327	2,809	55,218
National Severe Storms Laboratory	34,866	23,501	14,500	9,001	11,365
Ocean Acidification Program	5,982	2,309	680	1,629	3,672
Office of Ocean Exploration and Research	27,603	10,414	2,656	7,758	17,188
Office of Research Transition and Application	18,142	3,794	682	3,112	14,348
Pacific Marine Environment Laboratory	29,001	24,213	11,973	12,240	4,788
Physical Sciences Laboratory	31,753	20,646	200	20,446	11,107

Table 1. Total federal facility expenditures for R&D performed by the facility and others, by type of cost: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Performed by the facility			Performed by others
		All	Onsite contractors	All other costs	
Weather Program Office	50,586	21,658	3,275	18,383	28,928
Office of Marine and Aviation Operations	24,232	24,232	0	24,232	0
National Oceanic and Atmospheric Administration Corps	24,232	24,232	0	24,232	0
National Telecommunications and Information Administration	10,439	10,439	1,037	9,403	0
Institute for Telecommunication Sciences	10,439	10,439	1,037	9,403	0
Department of Defense	64,672,293	34,778,419	13,507,055	21,271,363	29,893,875
Defense Information Systems Agency	63,979	63,979	4,334	59,645	0
Department of the Air Force	39,947,049	18,203,631	10,133,025	8,070,606	21,743,418
Air Combat Command	2,339	2,339	0	2,339	0
Air Education Training Command	1,235	1,235	405	830	0
Air Force - Manpower and Reserve Affairs	81,155	149	0	149	81,006
Air Force Global Strike Command	2,483	169	169	0	2,314
Air Force Operational Test and Evaluation	34,000	34,000	5,466	28,534	0
Air Force Transportation Command	41,973	23,623	0	23,623	18,350
HQ Air Force Materiel Command	29,971,269	15,763,850	9,229,223	6,534,627	14,207,419
Air Force Materiel Command (AFMC)	25,087,888	14,150,797	8,827,103	5,323,693	10,937,091
Air Force Research Lab - U.S. Air Force projects	4,883,381	1,613,053	402,120	1,210,933	3,270,328
Space Force	9,805,655	2,371,326	892,012	1,479,314	7,434,328
Air Force Research Lab - U.S. Space Force projects	908,633	216,170	37,524	178,647	692,462
Space Development Agency	3,060,819	41,852	40,898	954	3,018,967
Space Operations Command	124,121	91,918	57,374	34,544	32,203
Space Systems Command	5,712,082	2,021,386	756,216	1,265,170	3,690,696
U.S. Space Command	6,941	6,941	5,750	1,191	0
Department of the Army	7,986,200	5,082,913	2,214,997	2,867,917	2,903,287
Army Cyber Command	NA	NA	NA	NA	NA
Army Engineer Research and Development Center	1,031,712	757,280	0	757,280	274,432
Army Medical Research and Development Command	1,834,475	458,275	136,744	321,531	1,376,200
Army Research Institute for the Behavioral and Social Sciences	40,272	18,817	0	18,817	21,455
Combat Capabilities Development Command (DEVCOM)	4,533,988	3,560,575	1,912,664	1,647,911	973,414
Armaments Center	372,897	257,297	28,900	228,397	115,600
Army Research Laboratory	834,399	408,678	62,937	345,741	425,721
Aviation and Missile Center	1,611,487	1,580,036	1,250,029	330,006	31,451
Chemical Biological Center	118,494	103,099	0	103,099	15,395
Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance Center	859,030	665,954	403,555	262,399	193,076
Data and Analysis Center	145,122	142,267	35,554	106,713	2,856
DEVCOM Headquarters	35,571	35,571	0	35,571	0
Ground Vehicle Systems Center	303,463	276,786	131,688	145,098	26,677

Table 1. Total federal facility expenditures for R&D performed by the facility and others, by type of cost: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures		Performed by the facility						Performed by others	
			All		Onsite contractors		All other costs			
Soldier Center	253,526		90,887		0		90,887		162,638	
Space and Missile Defense Command	275,123		85,556		77,384		8,172		189,567	
Department of the Navy	8,184,593		7,393,087		536,699		6,856,388		791,506	
Bureau of Medicine and Surgery	166,494		123,045		21,981		101,064		43,448	i
Naval Medical Research Command[b]	166,494		123,045		21,981		101,064		43,448	i
Naval Health Research Center	33,194		24,802		14,434		10,368		8,392	
Naval Medical Research Unit - Dayton	NA		NA		NA		NA		NA	
Naval Medical Research Unit - INDO PACIFIC	NA		NA		NA		NA		NA	
Naval Medical Research Unit - San Antonio	NA		NA		NA		NA		NA	
Naval Medical Research Unit - South	10,701		10,701		0		10,701		0	
Naval Submarine Medical Research Laboratory	10,532		9,132		4,036		5,096		1,400	
Marine Corps	1,235		1,235		1,209		26		0	
Naval Air Warfare Center Aircraft Division	1,316,996		1,198,012		178,477		1,019,535		118,984	
Naval Air Warfare Center Weapon Division	821,934		821,934		0		821,934		0	
Naval Facilities Engineering and Expeditionary Warfare Center	54,000		29,000		1,000		28,000		25,000	
Naval Information Warfare Systems Command	636,194		636,194		83,995		552,199		0	
Naval Information Warfare Center Atlantic	132,424		132,424		0		132,424		0	
Naval Information Warfare Center Pacific	503,770		503,770		83,995		419,775		0	
Naval Observatory	6,475		1,562		1,083		479		4,912	
Naval Oceanographic Office	20,549		19,533		1,494		18,039		1,016	
Naval Sea Systems Command Warfare Centers	3,923,334		3,841,762		153,670		3,688,091		81,572	
Naval Surface Warfare Center	3,243,597		3,164,754		126,590		3,038,164		78,843	
Naval Undersea Warfare Center	679,737		677,008		27,080		649,927		2,729	
Office of Naval Research	1,237,383		720,810		93,790		627,020		516,573	
Naval Research Laboratory	1,237,383		720,810		93,790		627,020		516,573	
Missile Defense Agency	8,490,472		4,034,808		618,000		3,416,808		4,455,664	
Department of Energy	152,081	i	49,252	i	4,853	i	44,398	i	102,830	i
National Energy Technology Laboratory	NA		NA		NA		NA		NA	
Department of Health and Human Services	6,814,914		4,818,697		1,163,040		3,655,657		1,996,217	
Centers for Disease Control and Prevention	196,877		107,535		2,898		104,637		89,342	
National Center for Emerging and Zoonotic Infectious Diseases	18,006		18,006		0		18,006		0	
National Center for HIV, Viral Hepatitis, STD, and Tuberculosis Prevention	42,889		34,183		2,636		31,547		8,706	
National Center on Birth Defects and Developmental Disabilities	11,331		243		0		243		11,088	
National Institute for Occupational Safety and Health	124,650		55,103		262		54,841		69,547	
Food and Drug Administration	690,048		510,332		32,843		477,489		179,716	
Center for Biologics Evaluation and Research	73,334		69,085		8,290		60,795		4,249	
Center for Devices and Radiological Health	51,000		51,000		8,315		42,685		0	

Table 1. Total federal facility expenditures for R&D performed by the facility and others, by type of cost: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Performed by the facility			Performed by others
		All	Onsite contractors	All other costs	
Center for Drug Evaluation and Research	109,921	76,826	0	76,826	33,095
Center for Food Safety and Applied Nutrition	76,000	75,000	2,500	72,500	1,000
Center for Tobacco Products	249,017	111,561	0	111,561	137,457
Center for Veterinary Medicine	32,000	32,000	0	32,000	0
National Center for Toxicological Research	89,690	88,065	12,444	75,621	1,625
Office of Regulatory Affairs	5,914	5,199	864	4,335	715
Oncology Center of Excellence	3,172	1,596	430	1,166	1,576
National Institutes of Health	5,927,990	4,200,830	1,127,299	3,073,531	1,727,159
Clinical Center	694,450	693,747	74,529	619,217	703
Eunice Kennedy Shriver National Institute of Child Health and Human Development	272,039	245,638	26,898	218,740	26,401
National Cancer Institute	1,114,522	1,093,879	700,082	393,796	20,643
National Center for Advancing Translational Sciences	969,980	181,750	42,173	139,577	788,230
National Center for Complementary and Integrative Health	15,656	5,354	317	5,037	10,302
National Eye Institute	127,452	120,483	10,072	110,411	6,969
National Heart, Lung, and Blood Institute	189,805	189,805	29,895	159,910	0
National Human Genome Research Institute	162,753	162,753	17,180	145,573	0
National Institute of Allergy and Infectious Diseases	697,558	551,631	96,603	455,028	145,927
National Institute of Arthritis and Musculoskeletal and Skin Diseases	66,634	66,634	1,893	64,741	0
National Institute of Biomedical Imaging and Bioengineering	7,900	7,900	300	7,600	0
National Institute of Dental and Craniofacial Research	509,672	78,988	0	78,988	430,684
National Institute of Diabetes and Digestive and Kidney Diseases	NA	NA	NA	NA	NA
National Institute of Environmental Health Sciences	263,431	140,737	15,350	125,387	122,694
National Institute of Mental Health	2,127	663	25	638	1,464
National Institute of Neurological Disorders and Stroke	229,097	229,097	19,853	209,244	0
National Institute of Nursing Research	11,353	11,353	0	11,353	0
National Institute on Aging	7,183	7,183	1,708	5,475	0
National Institute on Alcohol Abuse and Alcoholism	NA	NA	NA	NA	NA
National Institute on Deafness and Other Communication Disorders	34,240	34,240	3,340	30,900	0
National Institute on Drug Abuse	67,053	67,053	6,921	60,132	0
National Institute on Minority Health and Health Disparities	14,154	13,897	180	13,717	257
National Library of Medicine	NA	NA	NA	NA	NA
Department of Homeland Security	24,596	21,908	1,845	20,063	2,688
Coast Guard	4,895	2,207	1,845	362	2,688
Acquisition Directorate, Research and Development Center	4,895	2,207	1,845	362	2,688
Science and Technology Directorate	19,701	19,701	0	19,701	0
Office of National Laboratories	19,701	19,701	0	19,701	0
Chemical Security Analysis Center	4,393	4,393	0	4,393	0

Table 1. Total federal facility expenditures for R&D performed by the facility and others, by type of cost: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures		Performed by the facility						Performed by others	
			All		Onsite contractors		All other costs			
National Urban Security Technology Laboratory	4,073		4,073		0		4,073		0	
Plum Island Animal Disease Center	1,235		1,235		0		1,235		0	
Transportation Security Laboratory	10,000		10,000		0		10,000		0	
Department of the Interior	427,645		395,747		0		395,747		31,898	
Bureau of Land Management	11,308		60		0		60		11,248	
Bureau of Reclamation	29,060		13,917		0		13,917		15,143	
Fish and Wildlife Service	3,965		1,843		0		1,843		2,122	
Geological Survey	378,123		378,123		0		378,123		0	
Core Science Systems Mission Area	30,369		30,369		0		30,369		0	
Ecosystems Mission Area	170,341		170,341		0		170,341		0	
Energy and Minerals Mission Area	40,637		40,637		0		40,637		0	
Natural Hazards Mission Area	77,159		77,159		0		77,159		0	
Water Resources Mission Area	59,617		59,617		0		59,617		0	
National Park Service	5,189		1,803		0		1,803		3,386	
Department of Transportation	260,357	i	133,591		79,460	i	54,131	i	126,767	i
Federal Aviation Administration	117,843	i	45,899	i	27,301	i	18,598	i	71,944	i
Office of Aerospace Medicine	NA		NA		NA		NA		NA	
Office of NextGen	NA		NA		NA		NA		NA	
Federal Highway Administration	65,888	i	33,508		19,930	i	13,577	i	32,380	i
Intelligence Transportation Systems Joint Program Office	20,815	i	13,977		8,314	i	5,663	i	6,838	i
Office of Administrations	23,317	i	11,000		6,543	i	4,457	i	12,317	i
Office of Operations	11	i	3		2	i	1	i	8	i
Office of Planning	975	i	414		246	i	168	i	561	i
Office of Research, Development, and Technology	20,770	i	8,114		4,827	i	3,288	i	12,655	i
National Highway Traffic Safety Administration	39,198		38,909		23,143		15,766		289	
Office of Vehicle Safety Research	39,198		38,909		23,143		15,766		289	
Vehicle Research and Test Center	39,198		38,909		23,143		15,766		289	
Office of the Secretary for Research and Technology	37,429	i	15,275	i	9,086	i	6,189	i	22,154	i
John A. Volpe National Transportation Systems Center	NA		NA		NA		NA		NA	
Department of Veterans Affairs	1,763,971		1,763,971		0		1,763,971		0	
Office of Research and Development Central Office	93,131		93,131		0		93,131		0	
Veterans Integrated Services Network (VISN) 1: New England Health Care System	270,225		270,225		0		270,225		0	
Bedford Health Care System	15,736		15,736		0		15,736		0	
Boston Health Care System, Jamaica Plain Campus	177,871		177,871		0		177,871		0	
Central Western Massachusetts Health Care	1,433		1,433		0		1,433		0	
Connecticut Health Care System, West Haven Medical Center	44,863		44,863		0		44,863		0	
Manchester Medical Center	188		188		0		188		0	

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(Thousands of dollars)

Agency or facility	All R&D expenditures	Performed by the facility			Performed by others
		All	Onsite contractors	All other costs	
Providence Medical Center	21,665	21,665	0	21,665	0
Togus Maine Health Care System	279	279	0	279	0
White River Junction Medical Center	8,189	8,189	0	8,189	0
VISN 2: New York/ New Jersey Veterans Health Care Network	69,701	69,701	0	69,701	0
Bronx Health Care, James J. Peters Medical Center	35,415	35,415	0	35,415	0
New Jersey Health Care	6,357	6,357	0	6,357	0
New York Harbor Health Care	9,496	9,496	0	9,496	0
Northport Medical Center	4,905	4,905	0	4,905	0
Western New York Health Care, Buffalo Medical Center	13,528	13,528	0	13,528	0
VISN 4: Health Care	52,200	52,200	0	52,200	0
Coatesville Medical Center	288	288	0	288	0
Philadelphia Health Care, Corporal Michael J. Crescenz Medical Center	21,933	21,933	0	21,933	0
Pittsburgh Medical Center-University Drive	29,980	29,980	0	29,980	0
VISN 5: Capitol Health Care Network	50,089	50,089	0	50,089	0
Huntington Health Care, Hershel (Woody) Williams Medical Center	1,434	1,434	0	1,434	0
Maryland Health Care, Baltimore Medical Center	36,010	36,010	0	36,010	0
Washington DC Health Care, Washington Medical Center	12,645	12,645	0	12,645	0
VISN 6: Mid-Atlantic Health Care Network	67,983	67,983	0	67,983	0
Asheville Health Care, Charles George Medical Center	1,577	1,577	0	1,577	0
Durham Medical Center	37,821	37,821	0	37,821	0
Hampton Medical Center	438	438	0	438	0
Richmond Health Care, Hunter Holmes McGuire Hospital	21,184	21,184	0	21,184	0
Salem Medical Center	3,628	3,628	0	3,628	0
Salisbury Health Care, W.G. (Bill) Hefner Salisbury Medical Center	3,335	3,335	0	3,335	0
VISN 7: Southeast Network	98,927	98,927	0	98,927	0
Atlanta Medical Center	38,529	38,529	0	38,529	0
Augusta Health Care, Charlie Norwood Medical Center	4,726	4,726	0	4,726	0
Birmingham Medical Center	11,682	11,682	0	11,682	0
Charleston Health Care, Ralph H. Johnson Medical Center	36,283	36,283	0	36,283	0
Columbia South Carolina Health Care, William Jennings Bryan Dorn Medical Center	4,978	4,978	0	4,978	0
Tuscaloosa Medical Center	2,730	2,730	0	2,730	0
VISN 8: Sunshine Health Care Network	44,454	44,454	0	44,454	0
Bay Pines Health Care System	2,768	2,768	0	2,768	0
Caribbean Health Care System	614	614	0	614	0
Miami Health Care System	14,775	14,775	0	14,775	0
North Florida/ South Georgia Health Care System	12,859	12,859	0	12,859	0
Orlando Medical Center	661	661	0	661	0

Table 1. Total federal facility expenditures for R&D performed by the facility and others, by type of cost: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Performed by the facility			Performed by others
		All	Onsite contractors	All other costs	
Tampa Health Care, James A. Haley Veterans' Hospital	12,776	12,776	0	12,776	0
VISN 9: MidSouth Health Care Network	58,093	58,093	0	58,093	0
Lexington Medical Center (Troy Bowling Campus)	4,586	4,586	0	4,586	0
Louisville Health Care, Robley Rex Medical Center	2,358	2,358	0	2,358	0
Memphis Medical Center	9,892	9,892	0	9,892	0
Mountain Home Health Care, James H. Quillen Medical Center	2,468	2,468	0	2,468	0
Tennessee Valley Health Care, Nashville Medical Center	38,789	38,789	0	38,789	0
VISN 10: Health Care System	114,036	114,036	0	114,036	0
Ann Arbor Health Care System	38,667	38,667	0	38,667	0
Battle Creek Medical Center	72	72	0	72	0
Cincinnati Medical Center	8,006	8,006	0	8,006	0
Dayton Medical Center	1,409	1,409	0	1,409	0
Detroit Health Care, John D. Dingell Medical Center	7,167	7,167	0	7,167	0
Indiana Health Care, Richard L. Roudebush Medical Center	25,312	25,312	0	25,312	0
Northeast Ohio Health Care, Louis Stokes Cleveland Medical Center	33,402	33,402	0	33,402	0
VISN 12: Great Lakes Health Care System	82,101	82,101	0	82,101	0
Chicago Health Care, Jesse Brown Medical Center	21,999	21,999	0	21,999	0
Hines Health Care, Edward Hines Junior Hospital	33,940	33,940	0	33,940	0
Madison Health Care, William S. Middleton Memorial Veterans' Hospital	17,377	17,377	0	17,377	0
Milwaukee Health Care, Clement J. Zablocki Medical Center	8,785	8,785	0	8,785	0
VISN 15: Heartland Health Care Network	21,488	21,488	0	21,488	0
Kansas City Medical Center	11,833	11,833	0	11,833	0
St. Louis Health Care, John J. Cochran Veterans Hospital	9,656	9,656	0	9,656	0
VISN 16: South Central Health Care Network	51,791	51,791	0	51,791	0
Central Arkansas Health Care, Eugene J. Towbin Health Care Center	13,361	13,361	0	13,361	0
Houston Health Care, Michael E. DeBakey Medical Center	29,915	29,915	0	29,915	0
Jackson Health Care, G.V. (Sonny) Montgomery Medical Center	918	918	0	918	0
Shreveport Health Care, Overton Brooks Medical Center	559	559	0	559	0
Southeast Louisiana Health Care System	7,038	7,038	0	7,038	0
VISN 17: Heart of Texas Health Care Network	29,841	29,841	0	29,841	0
Central Texas Health Care	3,673	3,673	0	3,673	0
North Texas, Dallas Medical Center	8,563	8,563	0	8,563	0
South Texas Health Care	17,606	17,606	0	17,606	0
VISN 19: Rocky Mountain Network	113,261	113,261	0	113,261	0
Eastern Colorado, Rocky Mountain Regional Medical Center	38,978	38,978	0	38,978	0
Eastern Oklahoma, Jack C. Montgomery Medical Center	417	417	0	417	0
Oklahoma City Medical Center	10,079	10,079	0	10,079	0

Table 1. Total federal facility expenditures for R&D performed by the facility and others, by type of cost: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures		Performed by the facility						Performed by others	
			All		Onsite contractors		All other costs			
Salt Lake City Health Care	63,786		63,786		0		63,786		0	
VISN 20: Northwest Network	121,196		121,196		0		121,196		0	
Boise Medical Center	3,572		3,572		0		3,572		0	
Portland Health Care System	51,926		51,926		0		51,926		0	
Puget Sound Health Care, Seattle Medical Center	65,698		65,698		0		65,698		0	
VISN 21: Sierra Pacific Network	199,694		199,694		0		199,694		0	
Central California Health Care System	360		360		0		360		0	
Northern California Health Care System	7,573		7,573		0		7,573		0	
Pacific Islands Health Care System	1,119		1,119		0		1,119		0	
Palo Alto Health Care System	112,440		112,440		0		112,440		0	
San Francisco Health Care System	76,852		76,852		0		76,852		0	
Sierra Nevada Health Care System	562		562		0		562		0	
Southern Nevada Health Care System	787		787		0		787		0	
VISN 22: Desert Pacific Health Care Network	166,353		166,353		0		166,353		0	
Greater Los Angeles, West Los Angeles Medical Center	40,308		40,308		0		40,308		0	
Loma Linda Health Care System	6,823		6,823		0		6,823		0	
Long Beach Health Care System	12,020		12,020		0		12,020		0	
New Mexico Health Care System	38,271		38,271		0		38,271		0	
Phoenix Health Care System	4,820		4,820		0		4,820		0	
San Diego Health Care System	58,562		58,562		0		58,562		0	
Southern Arizona Health Care System	5,549		5,549		0		5,549		0	
VISN 23: Midwest Health Care Network	59,407		59,407		0		59,407		0	
Fargo Health Care System	293		293		0		293		0	
Minneapolis Health Care System	32,577		32,577		0		32,577		0	
Nebraska-Western Iowa Health Care System	25,622		25,622		0		25,622		0	
Sioux Falls Health Care System	871		871		0		871		0	
St. Cloud Health Care	43		43		0		43		0	
Other agencies	9,628,271		4,221,857		8,255		4,213,602		5,406,414	
Environmental Protection Agency	327,569		324,660		8,238		316,422		2,909	
Center for Computational Toxicology and Exposure	56,832		56,620		2,471		54,149		212	
Center for Environmental Measurement and Modeling	87,849		87,706		1,662		86,044		142	
Center for Environmental Solutions and Emergency Response	64,454		64,165		2,054		62,110		290	
Center for Public Health and Environmental Assessment	93,153		92,644		1,619		91,025		509	
Office of Science Advisor, Policy, and Engagement	25,281		23,525		431		23,094		1,756	
Federal Trade Commission	834		834		0		834		0	
Library of Congress	45,734	i	8,841	i	17	i	8,824	i	36,893	i
National Aeronautics and Space Administration[a]	9,085,785		3,719,172		-		3,719,172		5,366,613	

Table 1. Total federal facility expenditures for R&D performed by the facility and others, by type of cost: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Performed by the facility			Performed by others
		All	Onsite contractors	All other costs	
Ames Research Center[a]	550,267	286,233	-	286,233	264,033
Armstrong (Dryden) Flight Research Center[a]	274,224	81,935	-	81,935	192,289
Glenn Research Center[a]	574,600	213,894	-	213,894	360,706
Goddard Space Flight Center[a]	3,389,090	1,057,584	-	1,057,584	2,331,505
Johnson Space Center[a]	907,384	484,227	-	484,227	423,158
Kennedy Space Center[a]	318,656	215,813	-	215,813	102,843
Langley Research Center[a]	548,947	254,335	-	254,335	294,611
Marshall Space Flight Center[a]	1,292,733	812,864	-	812,864	479,869
NASA Headquarters[a]	1,214,220	301,195	-	301,195	913,025
Stennis Space Center[a]	15,664	11,092	-	11,092	4,573
Smithsonian Institution	168,350	168,350	0	168,350	0
Office of Academic, Interns, and Fellowship	1,195	1,195	0	1,195	0
Under Secretary for Finance and Administration	13,332	13,332	0	13,332	0
Information Technology	13,332	13,332	0	13,332	0
Under Secretary for Museums and Culture	39,086	39,086	0	39,086	0
Asian Pacific American Center	243	243	0	243	0
National Museum of African American History	9,671	9,671	0	9,671	0
National Museum of Asian Art	1,021	1,021	0	1,021	0
National Museum of African Art	1,101	1,101	0	1,101	0
National Museum of American History	10,022	10,022	0	10,022	0
National Museum of American Indian	8,422	8,422	0	8,422	0
National Museum of American Latino	1,442	1,442	0	1,442	0
National Portrait Gallery	1,441	1,441	0	1,441	0
National Postal Museum	277	277	0	277	0
Smithsonian American Art Museum	3,506	3,506	0	3,506	0
Smithsonian American Women's History Museum	1,940	1,940	0	1,940	0
Under Secretary for Science and Research	114,737	114,737	0	114,737	0
Museum Conservation Institute	1,735	1,735	0	1,735	0
National Air and Space Museum	7,853	7,853	0	7,853	0
National Museum of Natural History	27,611	27,611	0	27,611	0
National Zoological Park/ Smithsonian Conservation Biology Institute	8,183	8,183	0	8,183	0
Office of Global Affairs	2,234	2,234	0	2,234	0
Smithsonian Astrophysical Observatory	42,586	42,586	0	42,586	0
Smithsonian Environmental Research Center	5,762	5,762	0	5,762	0
Smithsonian Libraries and Archives	6,416	6,416	0	6,416	0
Smithsonian Tropical Research Institute	12,356	12,356	0	12,356	0

i = more than 50% of the estimate is imputed, including cases where there is only one facility listed and its data are imputed. NA = not available; imputed data not reported at this level.

[a] Costs for onsite contractors were unable to be separately reported by this agency or facility. These costs are included with all other costs performed by the facility.
[b] Naval Medical Research Command headquarters and its subfacilities responded separately to the survey. Data displayed for the Naval Medical Research Command include both the headquarters and listed subfacilities totals.

Source(s):
National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey, FY 2024.

Table 2. Total federal DOD facility expenditures for RDT&E performed by the facility and others, by budget activity: FY 2024

(Thousands of dollars)

Agency or facility	All RDT&E		R&D (Budget Activities 1–6)		Operational system development and software and digital technology pilot programs (Budget Activities 7–8)	
All DOD agencies	73,366,020		64,672,293		8,693,726	
Defense Information Systems Agency	109,305		63,979		45,326	
Department of the Air Force	46,981,014		39,947,049		7,033,964	
Air Combat Command	72,291		2,339		69,952	
Air Education Training Command	1,235		1,235		0	
Air Force - Manpower and Reserve Affairs	412,676		81,155		331,521	
Air Force Global Strike Command	7,533		2,483		5,050	
Air Force Operational Test and Evaluation	34,000		34,000		0	
Air Force Transportation Command	41,973		41,973		0	
HQ Air Force Materiel Command	35,772,736		29,971,269		5,801,467	
Air Force Materiel Command (AFMC)	30,884,574		25,087,888		5,796,686	
Air Force Research Lab - U.S. Air Force projects	4,888,162		4,883,381		4,781	
Space Force	10,624,146		9,805,655		818,492	
Air Force Research Lab - U.S. Space Force projects	908,633		908,633		0	
Space Development Agency	3,060,819		3,060,819		0	
Space Operations Command	146,546		124,121		22,425	
Space Systems Command	6,508,149		5,712,082		796,067	
U.S. Space Command	14,423		6,941		7,483	
Department of the Army	8,299,462		7,986,200		313,262	
Army Cyber Command	NA		NA		NA	
Army Engineer Research and Development Center	1,036,997		1,031,712		5,285	
Army Medical Research and Development Command	1,835,888		1,834,475		1,413	
Army Research Institute for the Behavioral and Social Sciences	40,272		40,272		0	
Combat Capabilities Development Command (DEVCOM)	4,816,334		4,533,988		282,346	
Armaments Center	448,383		372,897		75,486	
Army Research Laboratory	852,486		834,399		18,086	
Aviation and Missile Center	1,743,343		1,611,487		131,856	
Chemical Biological Center	130,938		118,494		12,444	
Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance Center	897,809		859,030		38,779	
Data and Analysis Center	145,122		145,122		0	
DEVCOM Headquarters	35,571		35,571		0	
Ground Vehicle Systems Center	303,463		303,463		0	
Soldier Center	259,220		253,526		5,694	
Space and Missile Defense Command	288,725		275,123		13,603	
Department of the Navy	9,485,767		8,184,593		1,301,174	
Bureau of Medicine and Surgery	180,622	i	166,494		14,128	i
Naval Medical Research Command[a]	180,622	i	166,494		14,128	i
Naval Health Research Center	34,281		33,194		1,087	
Naval Medical Research Unit - Dayton	NA		NA		NA	
Naval Medical Research Unit - INDO PACIFIC	NA		NA		NA	
Naval Medical Research Unit - San Antonio	NA		NA		NA	
Naval Medical Research Unit - South	10,701		10,701		0	
Naval Submarine Medical Research Laboratory	10,532		10,532		0	
Marine Corps	1,271		1,235		37	

Table 2. Total federal DOD facility expenditures for RDT&E performed by the facility and others, by budget activity: FY 2024

(Thousands of dollars)

Agency or facility	All RDT&E	R&D (Budget Activities 1–6)	Operational system development and software and digital technology pilot programs (Budget Activities 7–8)
Naval Air Warfare Center Aircraft Division	1,360,162	1,316,996	43,166
Naval Air Warfare Center Weapon Division	991,279	821,934	169,344
Naval Facilities Engineering and Expeditionary Warfare Center	55,000	54,000	1,000
Naval Information Warfare Systems Command	867,062	636,194	230,868
Naval Information Warfare Center Atlantic	199,855	132,424	67,431
Naval Information Warfare Center Pacific	667,207	503,770	163,437
Naval Observatory	6,475	6,475	0
Naval Oceanographic Office	20,557	20,549	8
Naval Sea Systems Command Warfare Centers	4,697,261	3,923,334	773,927
Naval Surface Warfare Center	3,835,156	3,243,597	591,559
Naval Undersea Warfare Center	862,105	679,737	182,368
Office of Naval Research	1,306,079	1,237,383	68,696
Naval Research Laboratory	1,306,079	1,237,383	68,696
Missile Defense Agency	8,490,472	8,490,472	0

i = more than 50% of the estimate is imputed, including cases where there is only one facility listed and its data are imputed. NA = not available; imputed data not reported at this level.

DOD = Department of Defense; RDT&E = research, development, test, and evaluation.

[a] Naval Medical Research Command headquarters and its subfacilities responded separately to the survey. Data displayed for the Naval Medical Research Command include both the headquarters and listed subfacilities totals.

Source(s):
National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey, FY 2024.

Table 3. Federal facility expenditures for R&D performed by the facility: FY 2022 and FY 2024

(Thousands of dollars)

Agency or facility	FY 2022	FY 2024
All agencies	37,370,105	49,095,133
Department of Agriculture	1,685,343	1,248,585
Agricultural Research Service	1,237,476	835,752
Midwest Area	165,788	131,193
Northeast Area	261,199	161,648
Pacific West Area	208,801	169,342
Plains Area	314,563	182,884
Southeast Area	287,125	190,685
Animal and Plant Health Inspection Service	48,982	47,219
Forest Pest Methods Laboratory	6,618	10,149
Insect Management and Molecular Diagnostics Laboratory	1,358	3,436
National Veterinary Services Laboratories/ Center for Veterinary Biologics	5,790	11,629
National Wildlife Research Center	33,101	15,787
Plant Pathogen Confirmatory Diagnostics Laboratory	1,665	5,723
Treatment and Inspection Methods Laboratory	450	NA
Economic Research Service	78,038	89,757
Forest Service	299,844	252,761
Forest Products Laboratory	19,275	20,737
International Institute of Tropical Forestry	7,856	5,261
Northern Research Station	53,497	50,270
Pacific Northwest Research Station	52,212	40,421
Pacific Southwest Research Station	22,703	19,484
Rocky Mountain Research Station	76,579	54,753
Southern Research Station	50,301	43,699
Washington Office Research and Development	17,420	18,136
National Agricultural Statistics Service	10,226	10,576
Natural Resources Conservation Service	10,777	12,519
Plant Materials Center	10,258	11,490
Soil Science Research Branch	520	1,029
Department of Commerce	1,318,875	1,663,108
Census Bureau	156,946	355,462
National Institute of Standards and Technology	660,622	788,920
National Oceanic and Atmospheric Administration	493,997	508,287
National Environmental Satellite, Data, and Information Service	33,185	31,645
Center for Satellite Applications and Research	27,813	26,024
National Centers for Environmental Information	5,372	5,621
National Marine Fisheries Service	45,509	48,840
Alaska Fisheries Science Center	10,842	10,959
Northeast Fisheries Science Center	6,421	8,355
Northwest Fisheries Science Center	5,252	9,839
Office of Protected Resources	767	212
Office of Science and Technology	3,037	959
Office of Sustainable Fisheries	858	625
Pacific Island Fisheries Science Center	4,380	4,730
Southeast Fisheries Science Center	8,142	6,754
Southwest Fisheries Science Center	5,811	6,408
National Ocean Service	44,598	73,898
Center for Operational Oceanographic Products and Services	1,392	2,383
National Centers for Coastal Ocean Science	27,813	52,173
National Geodetic Survey	7,123	7,138
Office for Coastal Management	143	6,040
Office of Response and Restoration	1,213	2,352
Office of the Coast Survey	6,914	3,811

Table 3. Federal facility expenditures for R&D performed by the facility: FY 2022 and FY 2024

(Thousands of dollars)

Agency or facility	FY 2022		FY 2024	
National Weather Service	13,953		33,403	
National Centers for Environmental Prediction	11,695		20,311	
Office of Science and Technology Integration	2,258		13,092	
Oceanic and Atmospheric Research	336,599		296,268	
Air Resources Laboratory	8,013		12,291	
Atlantic Oceanographic and Meteorological Laboratory	25,169		20,259	
Chemical Sciences Laboratory	21,670		14,181	
Climate Program Office	36,844		23,199	
Earth System Research Laboratories	2,995		3,874	
Geophysical Fluid Dynamics Laboratory	26,840		29,956	
Global Monitoring Laboratory	18,811		20,188	
Global Ocean Monitoring and Observing Program	16,745		21,851	
Global Systems Laboratory	15,959		22,614	
Great Lakes Environmental Research Laboratory	12,660		18,185	
National Sea Grant College Program	21,562		3,136	
National Severe Storms Laboratory	26,747		23,501	
Ocean Acidification Program	1,475		2,309	
Office of Ocean Exploration and Research	24,242		10,414	
Office of Research Transition and Application	7,988		3,794	
Pacific Marine Environment Laboratory	26,030		24,213	
Physical Sciences Laboratory	19,840		20,646	
Weather Program Office	23,007		21,658	
Office of Marine and Aviation Operations	20,152		24,232	
National Oceanic and Atmospheric Administration Corps	20,152		24,232	
National Telecommunications and Information Administration	7,310	i	10,439	
Institute for Telecommunication Sciences	NA		10,439	
Department of Defense	23,837,933		34,778,419	
Defense Information Systems Agency	64,816		63,979	
Department of the Air Force[a]	8,778,473	i	18,203,631	
Air Combat Command	-		2,339	
Air Education Training Command	-		1,235	
Air Force - Manpower and Reserve Affairs	-		149	
Air Force Global Strike Command	-		169	
Air Force Operational Test and Evaluation	-		34,000	
Air Force Transportation Command	-		23,623	
HQ Air Force Materiel Command	-		15,763,850	
Air Force Materiel Command (AFMC)	-		14,150,797	
Air Force Research Lab - U.S. Air Force projects	-		1,613,053	
Space Force	2,413,651		2,371,326	
Air Force Research Lab - U.S. Space Force projects	-		216,170	
Space Development Agency	-		41,852	
Space Operations Command	-		91,918	
Space Systems Command	2,413,651		2,021,386	
U.S. Space Command	-		6,941	
Department of the Army	5,816,747		5,082,913	
Army Cyber Command	NA		NA	
Army Engineer Research and Development Center	725,537		757,280	
Army Medical Research and Development Command	472,520		458,275	
Army Research Institute for the Behavioral and Social Sciences	NA		18,817	
Combat Capabilities Development Command (DEVCOM)	3,630,576		3,560,575	
Armaments Center	708,689		257,297	
Army Research Laboratory	251,882		408,678	
Aviation and Missile Center	1,920,096		1,580,036	

Table 3. Federal facility expenditures for R&D performed by the facility: FY 2022 and FY 2024

(Thousands of dollars)

Agency or facility	FY 2022	FY 2024	
Chemical Biological Center	102,085	103,099	
Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance Center	214,162	665,954	
Data and Analysis Center	10,018	142,267	
DEVCOM Headquarters	88,100	35,571	
Ground Vehicle Systems Center	236,569	276,786	
Soldier Center	98,974	90,887	
Space and Missile Defense Command	77,414	85,556	
Department of the Navy	5,783,576	7,393,087	
Bureau of Medicine and Surgery	129,796	123,045	
Naval Medical Research Command[b]	129,796	123,045	
Naval Health Research Center	26,826	24,802	
Naval Medical Research Unit - Dayton	22,122	NA	
Naval Medical Research Unit - INDO PACIFIC	1,314	NA	
Naval Medical Research Unit - San Antonio	11,803	NA	
Naval Medical Research Unit - South	9,466	10,701	
Naval Submarine Medical Research Laboratory	8,990	9,132	
Marine Corps	NA	1,235	
Naval Air Warfare Center Aircraft Division	857,385	1,198,012	
Naval Air Warfare Center Weapon Division	777,721	821,934	
Naval Facilities Engineering and Expeditionary Warfare Center	57,092	29,000	
Naval Information Warfare Systems Command	565,094	636,194	
Naval Information Warfare Center Atlantic	145,315	132,424	
Naval Information Warfare Center Pacific	419,779	503,770	
Naval Observatory	NA	1,562	
Naval Oceanographic Office	NA	19,533	
Naval Sea Systems Command Warfare Centers	2,180,415	3,841,762	
Naval Surface Warfare Center	1,842,591	3,164,754	
Naval Undersea Warfare Center	337,824	677,008	
Office of Naval Research	868,240	720,810	
Naval Research Laboratory	868,240	720,810	
Missile Defense Agency	3,394,320	4,034,808	
Department of Energy	100,005	49,252	i
National Energy Technology Laboratory	100,005	NA	
Department of Health and Human Services	3,315,153	4,818,697	
Centers for Disease Control and Prevention	100,810	107,535	
National Center for Emerging and Zoonotic Infectious Diseases	3,094	18,006	
National Center for HIV, Viral Hepatitis, STD, and Tuberculosis Prevention	28,238	34,183	
National Center on Birth Defects and Developmental Disabilities	243	243	
National Institute for Occupational Safety and Health	69,235	55,103	
Food and Drug Administration	458,410	510,332	
Center for Biologics Evaluation and Research	66,565	69,085	
Center for Devices and Radiological Health	7,913	51,000	
Center for Drug Evaluation and Research	73,608	76,826	
Center for Food Safety and Applied Nutrition	95,059	75,000	
Center for Tobacco Products	93,521	111,561	
Center for Veterinary Medicine	20,184	32,000	
National Center for Toxicological Research	88,645	88,065	
Office of Regulatory Affairs	3,000	5,199	
Oncology Center of Excellence	9,915	1,596	
National Institutes of Health	2,755,933	4,200,830	
Clinical Center	618,605	693,747	
Eunice Kennedy Shriver National Institute of Child Health and Human Development	221,061	245,638	

Table 3. Federal facility expenditures for R&D performed by the facility: FY 2022 and FY 2024

(Thousands of dollars)

Agency or facility	FY 2022	FY 2024	
National Cancer Institute	104,607	1,093,879	
National Center for Advancing Translational Sciences	150,884	181,750	
National Center for Complementary and Integrative Health	15,500	5,354	
National Eye Institute	105,189	120,483	
National Heart, Lung, and Blood Institute	173,071	189,805	
National Human Genome Research Institute	133,478	162,753	
National Institute of Allergy and Infectious Diseases	425,092	551,631	
National Institute of Arthritis and Musculoskeletal and Skin Diseases	57,611	66,634	
National Institute of Biomedical Imaging and Bioengineering	5,900	7,900	
National Institute of Dental and Craniofacial Research	70,666	78,988	
National Institute of Diabetes and Digestive and Kidney Diseases	142,684	NA	
National Institute of Environmental Health Sciences	124,012	140,737	
National Institute of Mental Health	1,128	663	
National Institute of Neurological Disorders and Stroke	217,704	229,097	
National Institute of Nursing Research	3,923	11,353	
National Institute on Aging	4,299	7,183	
National Institute on Alcohol Abuse and Alcoholism	48,509	NA	
National Institute on Deafness and Other Communication Disorders	29,974	34,240	
National Institute on Drug Abuse	66,351	67,053	
National Institute on Minority Health and Health Disparities	9,919	13,897	
National Library of Medicine	25,766	NA	
Department of Homeland Security	37,800	21,908	
Coast Guard	17,500	2,207	
Acquisition Directorate, Research and Development Center	17,500	2,207	
Science and Technology Directorate	20,300	19,701	
Office of National Laboratories	20,300	19,701	
Chemical Security Analysis Center	4,390	4,393	
National Urban Security Technology Laboratory	3,480	4,073	
Plum Island Animal Disease Center	1,550	1,235	
Transportation Security Laboratory	10,880	10,000	
Department of the Interior	1,170,882	395,747	
Bureau of Land Management	301	60	
Bureau of Ocean Energy Management	36,016	ne	
Bureau of Reclamation	16,124	13,917	
Fish and Wildlife Service	24,000	1,843	
Geological Survey	1,079,102	378,123	
Core Science Systems Mission Area	126,178	30,369	
Ecosystems Mission Area	387,056	170,341	
Energy and Minerals Mission Area	88,126	40,637	
Natural Hazards Mission Area	156,535	77,159	
Water Resources Mission Area	321,206	59,617	
National Park Service	15,339	1,803	
Department of Transportation	129,610	133,591	
Federal Aviation Administration	74,873	45,899	i
Office of Aerospace Medicine	16,319	NA	
Office of NextGen	58,554	NA	
Federal Highway Administration	31,961	33,508	
Intelligence Transportation Systems Joint Program Office	15,026	13,977	
Office of Administrations	11,000	11,000	
Office of Operations	1,999	3	
Office of Planning	653	414	
Office of Research, Development, and Technology	3,283	8,114	
National Highway Traffic Safety Administration	3,634	38,909	

Table 3. Federal facility expenditures for R&D performed by the facility: FY 2022 and FY 2024

(Thousands of dollars)

Agency or facility	FY 2022		FY 2024	
Office of Vehicle Safety Research	3,634		38,909	
Vehicle Research and Test Center	3,634		38,909	
Office of the Secretary for Research and Technology	19,142	i	15,275	i
John A. Volpe National Transportation Systems Center	NA		NA	
Department of Veterans Affairs	1,529,302		1,763,971	
Office of Research and Development Central Office	113,943		93,131	
Veterans Integrated Services Network (VISN) 1: New England Health Care System	248,067		270,225	
Bedford Health Care System	12,543		15,736	
Boston Health Care System, Jamaica Plain Campus	159,315		177,871	
Central Western Massachusetts Health Care	1,613		1,433	
Connecticut Health Care System, West Haven Medical Center	45,873		44,863	
Manchester Medical Center	144		188	
Providence Medical Center	19,570		21,665	
Togus Maine Health Care System	292		279	
White River Junction Medical Center	8,717		8,189	
VISN 2: New York/ New Jersey Veterans Health Care Network	53,168		69,701	
Bronx Health Care, James J. Peters Medical Center	27,179		35,415	
New Jersey Health Care	6,282		6,357	
New York Harbor Health Care	7,626		9,496	
Northport Medical Center	4,139		4,905	
Western New York Health Care, Buffalo Medical Center	7,942		13,528	
VISN 4: Health Care	44,924		52,200	
Coatesville Medical Center	154		288	
Philadelphia Health Care, Corporal Michael J. Crescenz Medical Center	20,663		21,933	
Pittsburgh Medical Center-University Drive	24,093		29,980	
Wilkes-Barre Medical Center	14		ne	
VISN 5: Capitol Health Care Network	40,732		50,089	
Huntington Health Care, Hershel (Woody) Williams Medical Center	1,223		1,434	
Maryland Health Care, Baltimore Medical Center	23,383		36,010	
Washington DC Health Care, Washington Medical Center	16,126		12,645	
VISN 6: Mid-Atlantic Health Care Network	55,346		67,983	
Asheville Health Care, Charles George Medical Center	778		1,577	
Durham Medical Center	33,256		37,821	
Hampton Medical Center	250		438	
Richmond Health Care, Hunter Holmes McGuire Hospital	13,915		21,184	
Salem Medical Center	3,703		3,628	
Salisbury Health Care, W.G. (Bill) Hefner Salisbury Medical Center	3,443		3,335	
VISN 7: Southeast Network	88,038		98,927	
Atlanta Medical Center	33,002		38,529	
Augusta Health Care, Charlie Norwood Medical Center	5,240		4,726	
Birmingham Medical Center	11,113		11,682	
Charleston Health Care, Ralph H. Johnson Medical Center	31,940		36,283	
Columbia South Carolina Health Care, William Jennings Bryan Dorn Medical Center	4,253		4,978	
Tuscaloosa Medical Center	2,490		2,730	
VISN 8: Sunshine Health Care Network	39,065		44,454	
Bay Pines Health Care System	2,316		2,768	
Caribbean Health Care System	526		614	
Miami Health Care System	11,126		14,775	
North Florida/ South Georgia Health Care System	12,506		12,859	
Orlando Medical Center	592		661	
Tampa Health Care, James A. Haley Veterans' Hospital	11,999		12,776	
VISN 9: MidSouth Health Care Network	51,828		58,093	
Lexington Medical Center (Troy Bowling Campus)	5,146		4,586	

Table 3. Federal facility expenditures for R&D performed by the facility: FY 2022 and FY 2024

(Thousands of dollars)

Agency or facility	FY 2022	FY 2024
Louisville Health Care, Robley Rex Medical Center	3,476	2,358
Memphis Medical Center	7,373	9,892
Mountain Home Health Care, James H. Quillen Medical Center	3,218	2,468
Tennessee Valley Health Care, Nashville Medical Center	32,614	38,789
VISN 10: Health Care System	107,300	114,036
Ann Arbor Health Care System	31,274	38,667
Battle Creek Medical Center	5	72
Cincinnati Medical Center	7,700	8,006
Dayton Medical Center	1,167	1,409
Detroit Health Care, John D. Dingell Medical Center	9,562	7,167
Indiana Health Care, Richard L. Roudebush Medical Center	27,341	25,312
Northeast Ohio Health Care, Louis Stokes Cleveland Medical Center	30,251	33,402
VISN 12: Great Lakes Health Care System	75,386	82,101
Chicago Health Care, Jesse Brown Medical Center	19,642	21,999
Hines Health Care, Edward Hines Junior Hospital	29,727	33,940
Madison Health Care, William S. Middleton Memorial Veterans' Hospital	18,242	17,377
Milwaukee Health Care, Clement J. Zablocki Medical Center	7,776	8,785
VISN 15: Heartland Health Care Network	12,330	21,488
Kansas City Medical Center	4,515	11,833
St. Louis Health Care, John J. Cochran Veterans Hospital	7,814	9,656
VISN 16: South Central Health Care Network	47,956	51,791
Central Arkansas Health Care, Eugene J. Towbin Health Care Center	13,208	13,361
Houston Health Care, Michael E. DeBakey Medical Center	26,763	29,915
Jackson Health Care, G.V. (Sonny) Montgomery Medical Center	1,119	918
Shreveport Health Care, Overton Brooks Medical Center	497	559
Southeast Louisiana Health Care System	6,368	7,038
VISN 17: Heart of Texas Health Care Network	27,491	29,841
Central Texas Health Care	3,132	3,673
North Texas, Dallas Medical Center	6,955	8,563
South Texas Health Care	17,403	17,606
VISN 19: Rocky Mountain Network	90,167	113,261
Eastern Colorado, Rocky Mountain Regional Medical Center	33,422	38,978
Eastern Oklahoma, Jack C. Montgomery Medical Center	436	417
Oklahoma City Medical Center	8,676	10,079
Salt Lake City Health Care	47,633	63,786
VISN 20: Northwest Network	111,071	121,196
Boise Medical Center	2,749	3,572
Portland Health Care System	48,302	51,926
Puget Sound Health Care, Seattle Medical Center	60,019	65,698
VISN 21: Sierra Pacific Network	148,509	199,694
Central California Health Care System	409	360
Northern California Health Care System	7,744	7,573
Pacific Islands Health Care System	2,180	1,119
Palo Alto Health Care System	74,320	112,440
San Francisco Health Care System	62,638	76,852
Sierra Nevada Health Care System	577	562
Southern Nevada Health Care System	640	787
VISN 22: Desert Pacific Health Care Network	136,105	166,353
Greater Los Angeles, West Los Angeles Medical Center	31,993	40,308
Loma Linda Health Care System	5,570	6,823
Long Beach Health Care System	8,534	12,020
New Mexico Health Care System	26,569	38,271
Phoenix Health Care System	3,448	4,820

Table 3. Federal facility expenditures for R&D performed by the facility: FY 2022 and FY 2024

(Thousands of dollars)

Agency or facility	FY 2022		FY 2024	
San Diego Health Care System	55,386		58,562	
Southern Arizona Health Care System	4,606		5,549	
VISN 23: Midwest Health Care Network	37,877		59,407	
Fargo Health Care System	144		293	
Minneapolis Health Care System	26,578		32,577	
Nebraska-Western Iowa Health Care System	10,283		25,622	
Sioux Falls Health Care System	823		871	
St. Cloud Health Care	49		43	
Other agencies	4,245,202		4,221,857	
Environmental Protection Agency	292,399		324,660	
Center for Computational Toxicology and Exposure	54,685		56,620	
Center for Environmental Measurement and Modeling	84,799		87,706	
Center for Environmental Solutions and Emergency Response	52,849		64,165	
Center for Public Health and Environmental Assessment	82,802		92,644	
Office of Science Advisor, Policy, and Engagement	17,264		23,525	
Federal Trade Commission	1,492	i	834	
Library of Congress	2,902		8,841	i
National Aeronautics and Space Administration	3,764,686		3,719,172	
Ames Research Center	276,848		286,233	
Armstrong (Dryden) Flight Research Center	28,301		81,935	
Glenn Research Center	240,357		213,894	
Goddard Space Flight Center	1,067,753		1,057,584	
Johnson Space Center	799,127		484,227	
Kennedy Space Center	178,778		215,813	
Langley Research Center	240,270		254,335	
Marshall Space Flight Center	691,175		812,864	
NASA Headquarters	233,119		301,195	
Stennis Space Center	8,957		11,092	
Smithsonian Institution[a]	183,723	i	168,350	
Office of Academic, Interns, and Fellowship	-		1,195	
Under Secretary for Finance and Administration	-		13,332	
Information Technology	-		13,332	
Under Secretary for Museums and Culture	-		39,086	
Asian Pacific American Center	-		243	
National Museum of African American History	-		9,671	
National Museum of Asian Art	-		1,021	
National Museum of African Art	-		1,101	
National Museum of American History	-		10,022	
National Museum of American Indian	-		8,422	
National Museum of American Latino	-		1,442	
National Portrait Gallery	-		1,441	
National Postal Museum	-		277	
Smithsonian American Art Museum	-		3,506	
Smithsonian American Women's History Museum	-		1,940	
Under Secretary for Science and Research	-		114,737	
Museum Conservation Institute	-		1,735	
National Air and Space Museum	-		7,853	
National Museum of Natural History	-		27,611	
National Zoological Park/ Smithsonian Conservation Biology Institute	-		8,183	
Office of Global Affairs	-		2,234	
Smithsonian Astrophysical Observatory	-		42,586	
Smithsonian Environmental Research Center	-		5,762	
Smithsonian Libraries and Archives	-		6,416	

Table 3. Federal facility expenditures for R&D performed by the facility: FY 2022 and FY 2024

(Thousands of dollars)

Agency or facility	FY 2022	FY 2024
Smithsonian Tropical Research Institute	-	12,356

i = more than 50% of the estimate is imputed, including cases where there is only one facility listed and its data are imputed. NA = not available; imputed data not reported at this level. ne = not eligible; facility did not meet the criteria for inclusion.

[a] Department of the Air Force and Smithsonian Institution have reporting changes across years that preclude reporting subfacility expenditures for FY 2022.
[b] Naval Medical Research Command headquarters and its subfacilities responded separately to the survey. Data displayed for the Naval Medical Research Command include both the headquarters and listed subfacilities totals.

Source(s):
National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey.

Table 4. Federal facility expenditures for R&D performed by the facility, by source of funds and type of R&D: FY 2024

(Thousands of dollars)

Agency or facility	Total R&D expenditures				Federally funded				Nonfederally funded			
	All R&D	Basic research	Applied research	Experimental development	All federal R&D	Basic research	Applied research	Experimental development	All nonfederal R&D	Basic research	Applied research	Experimental development
All agencies	49,095,133	6,039,531	9,143,987	33,911,615	48,472,544	5,916,433	8,888,939	33,667,172	622,589	123,098	255,048	244,443
Department of Agriculture	1,248,585	506,816	589,798	151,970	1,238,310	504,681	583,121	150,508	10,275	2,135	6,677	1,462
Agricultural Research Service	835,752	417,876	334,301	83,575	835,752	417,876	334,301	83,575	0	0	0	0
Midwest Area	131,193	65,597	52,477	13,119	131,193	65,597	52,477	13,119	0	0	0	0
Northeast Area	161,648	80,824	64,659	16,165	161,648	80,824	64,659	16,165	0	0	0	0
Pacific West Area	169,342	84,671	67,737	16,934	169,342	84,671	67,737	16,934	0	0	0	0
Plains Area	182,884	91,442	73,153	18,288	182,884	91,442	73,153	18,288	0	0	0	0
Southeast Area	190,685	95,342	76,274	19,068	190,685	95,342	76,274	19,068	0	0	0	0
Animal and Plant Health Inspection Service	47,219	1,973	24,578	20,667	40,904	1,184	19,842	19,878	6,315	789	4,736	789
Forest Pest Methods Laboratory	10,149	0	5,075	5,075	10,149	0	5,075	5,075	0	0	0	0
Insect Management and Molecular Diagnostics Laboratory	3,436	0	558	2,879	3,436	0	558	2,879	0	0	0	0
National Veterinary Services Laboratories/ Center for Veterinary Biologics	11,629	0	1,163	10,466	11,629	0	1,163	10,466	0	0	0	0
National Wildlife Research Center	15,787	1,973	11,840	1,973	9,472	1,184	7,104	1,184	6,315	789	4,736	789
Plant Pathogen Confirmatory Diagnostics Laboratory	5,723	0	5,723	0	5,723	0	5,723	0	0	0	0	0
Treatment and Inspection Methods Laboratory	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Economic Research Service	89,757	0	89,757	0	89,757	0	89,757	0	0	0	0	0
Forest Service	252,761	85,938	123,855	42,968	248,801	84,592	121,914	42,295	3,960	1,346	1,941	673
Forest Products Laboratory	20,737	7,050	10,162	3,525	20,336	6,914	9,965	3,457	401	136	197	68
International Institute of Tropical Forestry	5,261	1,789	2,578	894	5,214	1,773	2,555	886	47	16	23	8
Northern Research Station	50,270	17,092	24,632	8,546	49,518	16,836	24,264	8,418	752	256	368	128
Pacific Northwest Research Station	40,421	13,743	19,807	6,871	39,838	13,545	19,521	6,772	583	198	286	99
Pacific Southwest Research Station	19,484	6,625	9,547	3,312	18,776	6,384	9,200	3,192	708	241	347	120
Rocky Mountain Research Station	54,753	18,616	26,829	9,308	53,888	18,322	26,405	9,161	865	294	424	147
Southern Research Station	43,699	14,857	21,413	7,429	43,489	14,786	21,310	7,393	210	71	103	36
Washington Office Research and Development	18,136	6,166	8,887	3,083	17,742	6,032	8,694	3,016	394	134	193	67
National Agricultural Statistics Service	10,576	0	5,817	4,759	10,576	0	5,817	4,759	0	0	0	0
Natural Resources Conservation Service	12,519	1,029	11,490	0	12,519	1,029	11,490	0	0	0	0	0
Plant Materials Center	11,490	0	11,490	0	11,490	0	11,490	0	0	0	0	0
Soil Science Research Branch	1,029	1,029	0	0	1,029	1,029	0	0	0	0	0	0
Department of Commerce	1,663,108	274,597	1,111,965	276,546	1,658,700	274,597	1,107,866	276,238	4,408	0	4,100	308
Census Bureau	355,462	0	190,345	165,117	353,653	0	188,843	164,810	1,809	0	1,502	307
National Institute of Standards and Technology	788,920	274,597	506,812	7,511	788,920	274,597	506,812	7,511	0	0	0	0
National Oceanic and Atmospheric Administration	508,287	0	414,809	93,479	505,688	0	412,211	93,478	2,599	0	2,598	1
National Environmental Satellite, Data, and Information Service	31,645	0	29,186	2,459	31,645	0	29,186	2,459	0	0	0	0
Center for Satellite Applications and Research	26,024	0	26,024	0	26,024	0	26,024	0	0	0	0	0

Table 4. Federal facility expenditures for R&D performed by the facility, by source of funds and type of R&D: FY 2024

(Thousands of dollars)

Agency or facility	Total R&D expenditures				Federally funded				Nonfederally funded			
	All R&D	Basic research	Applied research	Experimental development	All federal R&D	Basic research	Applied research	Experimental development	All nonfederal R&D	Basic research	Applied research	Experimental development
National Centers for Environmental Information	5,621	0	3,162	2,459	5,621	0	3,162	2,459	0	0	0	0
National Marine Fisheries Service	48,840	0	37,791	11,049	47,941	0	36,893	11,048	899	0	898	1
Alaska Fisheries Science Center	10,959	0	8,601	2,358	10,959	0	8,601	2,358	0	0	0	0
Northeast Fisheries Science Center	8,355	0	6,120	2,235	8,257	0	6,022	2,235	98	0	98	0
Northwest Fisheries Science Center	9,839	0	8,930	909	9,253	0	8,345	909	585	0	585	0
Office of Protected Resources	212	0	212	0	212	0	212	0	0	0	0	0
Office of Science and Technology	959	0	959	0	959	0	959	0	0	0	0	0
Office of Sustainable Fisheries	625	0	319	306	625	0	319	306	0	0	0	0
Pacific Island Fisheries Science Center	4,730	0	3,605	1,125	4,570	0	3,445	1,125	160	0	160	0
Southeast Fisheries Science Center	6,754	0	4,305	2,449	6,753	0	4,304	2,449	1	0	1	0
Southwest Fisheries Science Center	6,408	0	4,739	1,668	6,353	0	4,686	1,667	55	0	54	1
National Ocean Service	73,898	0	64,954	8,945	72,525	0	63,580	8,945	1,373	0	1,373	0
Center for Operational Oceanographic Products and Services	2,383	0	400	1,983	2,383	0	400	1,983	0	0	0	0
National Centers for Coastal Ocean Science	52,173	0	52,110	64	50,813	0	50,749	64	1,360	0	1,360	0
National Geodetic Survey	7,138	0	3,205	3,933	7,125	0	3,192	3,933	13	0	13	0
Office for Coastal Management	6,040	0	5,918	122	6,040	0	5,918	122	0	0	0	0
Office of Response and Restoration	2,352	0	1,963	389	2,352	0	1,963	389	0	0	0	0
Office of the Coast Survey	3,811	0	1,357	2,454	3,811	0	1,357	2,454	0	0	0	0
National Weather Service	33,403	0	13,460	19,943	33,403	0	13,460	19,943	0	0	0	0
National Centers for Environmental Prediction	20,311	0	6,673	13,638	20,311	0	6,673	13,638	0	0	0	0
Office of Science and Technology Integration	13,092	0	6,786	6,306	13,092	0	6,786	6,306	0	0	0	0
Oceanic and Atmospheric Research	296,268	0	245,186	51,082	295,941	0	244,860	51,082	327	0	327	0
Air Resources Laboratory	12,291	0	9,493	2,798	12,291	0	9,493	2,798	0	0	0	0
Atlantic Oceanographic and Meteorological Laboratory	20,259	0	14,758	5,501	20,259	0	14,758	5,501	0	0	0	0
Chemical Sciences Laboratory	14,181	0	13,654	528	14,181	0	13,654	528	0	0	0	0
Climate Program Office	23,199	0	17,438	5,760	23,199	0	17,438	5,760	0	0	0	0
Earth System Research Laboratories	3,874	0	3,528	346	3,874	0	3,528	346	0	0	0	0
Geophysical Fluid Dynamics Laboratory	29,956	0	28,526	1,430	29,956	0	28,526	1,430	0	0	0	0
Global Monitoring Laboratory	20,188	0	18,285	1,903	20,188	0	18,285	1,903	0	0	0	0
Global Ocean Monitoring and Observing Program	21,851	0	13,965	7,886	21,851	0	13,965	7,886	0	0	0	0
Global Systems Laboratory	22,614	0	12,535	10,079	22,614	0	12,535	10,079	0	0	0	0
Great Lakes Environmental Research Laboratory	18,185	0	17,952	232	18,185	0	17,952	232	0	0	0	0
National Sea Grant College Program	3,136	0	2,755	381	2,809	0	2,428	381	327	0	327	0
National Severe Storms Laboratory	23,501	0	19,340	4,161	23,501	0	19,340	4,161	0	0	0	0
Ocean Acidification Program	2,309	0	1,916	394	2,309	0	1,916	394	0	0	0	0

Table 4. Federal facility expenditures for R&D performed by the facility, by source of funds and type of R&D: FY 2024

(Thousands of dollars)

Agency or facility	Total R&D expenditures				Federally funded				Nonfederally funded			
	All R&D	Basic research	Applied research	Experimental development	All federal R&D	Basic research	Applied research	Experimental development	All nonfederal R&D	Basic research	Applied research	Experimental development
Office of Ocean Exploration and Research	10,414	0	9,689	725	10,414	0	9,689	725	0	0	0	0
Office of Research Transition and Application	3,794	0	3,315	479	3,794	0	3,315	479	0	0	0	0
Pacific Marine Environment Laboratory	24,213	0	21,652	2,560	24,213	0	21,652	2,560	0	0	0	0
Physical Sciences Laboratory	20,646	0	19,021	1,625	20,646	0	19,021	1,625	0	0	0	0
Weather Program Office	21,658	0	17,364	4,294	21,658	0	17,364	4,294	0	0	0	0
Office of Marine and Aviation Operations	24,232	0	24,232	0	24,232	0	24,232	0	0	0	0	0
National Oceanic and Atmospheric Administration Corps	24,232	0	24,232	0	24,232	0	24,232	0	0	0	0	0
National Telecommunications and Information Administration	10,439	0	0	10,439	10,439	0	0	10,439	0	0	0	0
Institute for Telecommunication Sciences	10,439	0	0	10,439	10,439	0	0	10,439	0	0	0	0
Department of Defense	34,778,419	1,164,763	2,735,775	30,877,881	34,524,456	1,162,411	2,720,383	30,641,662	253,962	2,351	15,392	236,219
Defense Information Systems Agency	63,979	0	0	63,979	63,979	0	0	63,979	0	0	0	0
Department of the Air Force	18,203,631	463,622	1,024,754	16,715,255	18,133,334	463,156	1,024,754	16,645,424	70,297	465	0	69,832
Air Combat Command	2,339	0	0	2,339	2,339	0	0	2,339	0	0	0	0
Air Education Training Command	1,235	0	1,235	0	1,235	0	1,235	0	0	0	0	0
Air Force - Manpower and Reserve Affairs	149	0	149	0	149	0	149	0	0	0	0	0
Air Force Global Strike Command	169	0	0	169	169	0	0	169	0	0	0	0
Air Force Operational Test and Evaluation	34,000	0	0	34,000	34,000	0	0	34,000	0	0	0	0
Air Force Transportation Command	23,623	0	0	23,623	23,623	0	0	23,623	0	0	0	0
HQ Air Force Materiel Command	15,763,850	441,333	872,472	14,450,045	15,748,731	440,867	872,472	14,435,391	15,119	465	0	14,654
Air Force Materiel Command (AFMC)	14,150,797	410	0	14,150,386	14,135,733	0	0	14,135,733	15,064	410	0	14,654
Air Force Research Lab - U.S. Air Force projects	1,613,053	440,923	872,472	299,658	1,612,998	440,867	872,472	299,658	55	55	0	0
Space Force	2,371,326	22,289	150,898	2,198,140	2,316,148	22,289	150,898	2,142,962	55,178	0	0	55,178
Air Force Research Lab - U.S. Space Force projects	216,170	19,290	150,898	45,983	216,170	19,290	150,898	45,983	0	0	0	0
Space Development Agency	41,852	0	0	41,852	41,852	0	0	41,852	0	0	0	0
Space Operations Command	91,918	2,999	0	88,919	91,918	2,999	0	88,919	0	0	0	0
Space Systems Command	2,021,386	0	0	2,021,386	1,966,208	0	0	1,966,208	55,178	0	0	55,178
U.S. Space Command	6,941	0	0	6,941	6,941	0	0	6,941	0	0	0	0
Department of the Army	5,082,913	330,482	1,031,054	3,721,378	5,051,760	330,482	1,018,129	3,703,149	31,153	0	12,925	18,228
Army Cyber Command	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Army Engineer Research and Development Center	757,280	20,172	160,940	576,168	750,690	20,172	159,501	571,017	6,590	0	1,439	5,151
Army Medical Research and Development Command	458,275	31,120	147,037	280,118	439,173	31,120	135,566	272,487	19,102	0	11,472	7,630
Army Research Institute for the Behavioral and Social Sciences	18,817	497	10,360	7,959	18,817	497	10,360	7,959	0	0	0	0
Combat Capabilities Development Command (DEVCOM)	3,560,575	263,591	658,754	2,638,230	3,555,511	263,591	658,739	2,633,181	5,064	0	14	5,050
Armaments Center	257,297	1,935	83,993	171,369	257,297	1,935	83,993	171,369	0	0	0	0
Army Research Laboratory	408,678	162,064	219,632	26,982	408,678	162,064	219,632	26,982	0	0	0	0

Table 4. Federal facility expenditures for R&D performed by the facility, by source of funds and type of R&D: FY 2024

(Thousands of dollars)

Agency or facility	Total R&D expenditures				Federally funded				Nonfederally funded			
	All R&D	Basic research	Applied research	Experimental development	All federal R&D	Basic research	Applied research	Experimental development	All nonfederal R&D	Basic research	Applied research	Experimental development
Aviation and Missile Center	1,580,036	74,234	139,344	1,366,457	1,580,036	74,234	139,344	1,366,457	0	0	0	0
Chemical Biological Center	103,099	3,599	12,547	86,954	99,097	3,599	12,532	82,966	4,002	0	14	3,988
Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance Center	665,954	5,160	109,050	551,745	665,954	5,160	109,050	551,745	0	0	0	0
Data and Analysis Center	142,267	0	10,172	132,095	141,205	0	10,172	131,033	1,062	0	0	1,062
DEVCOM Headquarters	35,571	10,850	1,093	23,627	35,571	10,850	1,093	23,627	0	0	0	0
Ground Vehicle Systems Center	276,786	4,288	49,553	222,945	276,786	4,288	49,553	222,945	0	0	0	0
Soldier Center	90,887	1,461	33,370	56,056	90,887	1,461	33,370	56,056	0	0	0	0
Space and Missile Defense Command	85,556	1,941	12,904	70,710	85,158	1,941	12,904	70,313	397	0	0	397
Department of the Navy	7,393,087	370,659	679,967	6,342,461	7,240,575	368,773	677,499	6,194,302	152,512	1,886	2,467	148,159
Bureau of Medicine and Surgery	123,045	18,506	31,266	73,273	122,512	18,495	30,779	73,237	534	11	487	35
Naval Medical Research Command[a]	123,045	18,506	31,266	73,273	122,512	18,495	30,779	73,237	534	11	487	35
Naval Health Research Center	24,802	4,321	17,986	2,495	24,608	4,321	17,793	2,495	193	0	193	0
Naval Medical Research Unit - Dayton	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - INDO PACIFIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - San Antonio	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - South	10,701	8,559	2,143	0	10,407	8,559	1,849	0	294	0	294	0
Naval Submarine Medical Research Laboratory	9,132	1,037	3,833	4,262	9,085	1,026	3,833	4,226	47	11	0	35
Marine Corps	1,235	0	0	1,235	1,235	0	0	1,235	0	0	0	0
Naval Air Warfare Center Aircraft Division	1,198,012	8,736	7,312	1,181,964	1,052,239	8,736	7,312	1,036,191	145,773	0	0	145,773
Naval Air Warfare Center Weapon Division	821,934	6,016	31,994	783,924	821,934	6,016	31,994	783,924	0	0	0	0
Naval Facilities Engineering and Expeditionary Warfare Center	29,000	0	1,000	28,000	29,000	0	1,000	28,000	0	0	0	0
Naval Information Warfare Systems Command	636,194	12,749	49,922	573,522	636,194	12,749	49,922	573,522	0	0	0	0
Naval Information Warfare Center Atlantic	132,424	1,732	9,284	121,408	132,424	1,732	9,284	121,408	0	0	0	0
Naval Information Warfare Center Pacific	503,770	11,018	40,639	452,114	503,770	11,018	40,639	452,114	0	0	0	0
Naval Observatory	1,562	0	0	1,562	1,562	0	0	1,562	0	0	0	0
Naval Oceanographic Office	19,533	0	524	19,010	19,533	0	524	19,010	0	0	0	0
Naval Sea Systems Command Warfare Centers	3,841,762	91,140	318,503	3,432,119	3,841,229	91,103	318,407	3,431,719	533	37	96	400
Naval Surface Warfare Center	3,164,754	85,449	280,625	2,798,680	3,164,221	85,412	280,529	2,798,280	533	37	96	400
Naval Undersea Warfare Center	677,008	5,691	37,879	633,438	677,008	5,691	37,879	633,438	0	0	0	0
Office of Naval Research	720,810	233,512	239,446	247,852	715,137	231,674	237,561	245,902	5,672	1,838	1,884	1,950
Naval Research Laboratory	720,810	233,512	239,446	247,852	715,137	231,674	237,561	245,902	5,672	1,838	1,884	1,950
Missile Defense Agency	4,034,808	0	0	4,034,808	4,034,808	0	0	4,034,808	0	0	0	0
Department of Energy	49,252 i	2,450 i	41,864 i	4,938 i	49,252 i	2,450 i	41,864 i	4,938 i	0 i	0 i	0 i	0 i
National Energy Technology Laboratory	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Health and Human Services	4,818,697	2,323,774	2,155,526	339,397	4,486,070	2,205,163	1,947,964	332,943	332,627	118,611	207,562	6,454

Table 4. Federal facility expenditures for R&D performed by the facility, by source of funds and type of R&D: FY 2024

(Thousands of dollars)

Agency or facility	Total R&D expenditures				Federally funded				Nonfederally funded			
	All R&D	Basic research	Applied research	Experimental development	All federal R&D	Basic research	Applied research	Experimental development	All nonfederal R&D	Basic research	Applied research	Experimental development
Centers for Disease Control and Prevention	107,535	25,643	68,949	12,944	107,480	25,643	68,896	12,940	56	0	52	4
National Center for Emerging and Zoonotic Infectious Diseases	18,006	0	18,006	0	18,006	0	18,006	0	0	0	0	0
National Center for HIV, Viral Hepatitis, STD, and Tuberculosis Prevention	34,183	8,552	17,472	8,159	34,183	8,552	17,472	8,159	0	0	0	0
National Center on Birth Defects and Developmental Disabilities	243	243	0	0	243	243	0	0	0	0	0	0
National Institute for Occupational Safety and Health	55,103	16,848	33,470	4,784	55,047	16,848	33,418	4,781	56	0	52	4
Food and Drug Administration	510,332	70,540	386,787	53,005	331,624	66,207	212,412	53,005	178,708	4,334	174,374	0
Center for Biologics Evaluation and Research	69,085	0	69,085	0	68,934	0	68,934	0	151	0	151	0
Center for Devices and Radiological Health	51,000	51,000	0	0	46,666	46,666	0	0	4,334	4,334	0	0
Center for Drug Evaluation and Research	76,826	0	76,826	0	15,228	0	15,228	0	61,598	0	61,598	0
Center for Food Safety and Applied Nutrition	75,000	0	45,000	30,000	75,000	0	45,000	30,000	0	0	0	0
Center for Tobacco Products	111,561	0	111,561	0	0	0	0	0	111,561	0	111,561	0
Center for Veterinary Medicine	32,000	0	32,000	0	32,000	0	32,000	0	0	0	0	0
National Center for Toxicological Research	88,065	19,540	45,520	23,005	88,065	19,540	45,520	23,005	0	0	0	0
Office of Regulatory Affairs	5,199	0	5,199	0	4,135	0	4,135	0	1,064	0	1,064	0
Oncology Center of Excellence	1,596	0	1,596	0	1,596	0	1,596	0	0	0	0	0
National Institutes of Health	4,200,830	2,227,591	1,699,791	273,449	4,046,967	2,113,313	1,666,655	266,999	153,863	114,278	33,136	6,450
Clinical Center	693,747	0	693,747	0	693,747	0	693,747	0	0	0	0	0
Eunice Kennedy Shriver National Institute of Child Health and Human Development	245,638	112,993	132,645	0	243,920	112,203	131,717	0	1,718	790	928	0
National Cancer Institute	1,093,879	875,103	218,776	0	974,930	779,944	194,986	0	118,948	95,159	23,790	0
National Center for Advancing Translational Sciences	181,750	0	181,750	0	179,529	0	179,529	0	2,221	0	2,221	0
National Center for Complementary and Integrative Health	5,354	2,846	2,508	0	5,302	2,794	2,508	0	51	51	0	0
National Eye Institute	120,483	85,166	13,871	21,445	114,468	79,152	13,871	21,445	6,014	6,014	0	0
National Heart, Lung, and Blood Institute	189,805	189,805	0	0	189,805	189,805	0	0	0	0	0	0
National Human Genome Research Institute	162,753	113,927	48,826	0	160,120	112,084	48,036	0	2,633	1,843	790	0
National Institute of Allergy and Infectious Diseases	551,631	228,171	144,305	179,154	535,170	222,089	140,122	172,960	16,461	6,083	4,184	6,194
National Institute of Arthritis and Musculoskeletal and Skin Diseases	66,634	1,017	65,618	0	66,634	1,017	65,618	0	0	0	0	0
National Institute of Biomedical Imaging and Bioengineering	7,900	0	4,300	3,600	7,900	0	4,300	3,600	0	0	0	0
National Institute of Dental and Craniofacial Research	78,988	45,708	33,280	0	78,988	45,708	33,280	0	0	0	0	0
National Institute of Diabetes and Digestive and Kidney Diseases	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Environmental Health Sciences	140,737	105,405	35,333	0	140,614	105,281	35,333	0	123	123	0	0
National Institute of Mental Health	663	0	0	663	663	0	0	663	0	0	0	0
National Institute of Neurological Disorders and Stroke	229,097	141,131	34,399	53,566	223,979	137,354	33,266	53,359	5,118	3,777	1,133	207
National Institute of Nursing Research	11,353	59	7,915	3,379	11,353	59	7,915	3,379	0	0	0	0
National Institute on Aging	7,183	0	7,183	0	7,183	0	7,183	0	0	0	0	0
National Institute on Alcohol Abuse and Alcoholism	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4. Federal facility expenditures for R&D performed by the facility, by source of funds and type of R&D: FY 2024

(Thousands of dollars)

Agency or facility	Total R&D expenditures				Federally funded				Nonfederally funded			
	All R&D	Basic research	Applied research	Experimental development	All federal R&D	Basic research	Applied research	Experimental development	All nonfederal R&D	Basic research	Applied research	Experimental development
National Institute on Deafness and Other Communication Disorders	34,240	22,747	7,450	4,043	33,827	22,472	7,360	3,994	413	274	90	49
National Institute on Drug Abuse	67,053	67,053	0	0	66,890	66,890	0	0	163	163	0	0
National Institute on Minority Health and Health Disparities	13,897	1,438	10,623	1,836	13,897	1,438	10,623	1,836	0	0	0	0
National Library of Medicine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Homeland Security	21,908	19,701	1,964	243	21,908	19,701	1,964	243	0	0	0	0
Coast Guard	2,207	0	1,964	243	2,207	0	1,964	243	0	0	0	0
Acquisition Directorate, Research and Development Center	2,207	0	1,964	243	2,207	0	1,964	243	0	0	0	0
Science and Technology Directorate	19,701	19,701	0	0	19,701	19,701	0	0	0	0	0	0
Office of National Laboratories	19,701	19,701	0	0	19,701	19,701	0	0	0	0	0	0
Chemical Security Analysis Center	4,393	4,393	0	0	4,393	4,393	0	0	0	0	0	0
National Urban Security Technology Laboratory	4,073	4,073	0	0	4,073	4,073	0	0	0	0	0	0
Plum Island Animal Disease Center	1,235	1,235	0	0	1,235	1,235	0	0	0	0	0	0
Transportation Security Laboratory	10,000	10,000	0	0	10,000	10,000	0	0	0	0	0	0
Department of the Interior	395,747	40,553	322,729	32,465	395,747	40,553	322,729	32,465	0	0	0	0
Bureau of Land Management	60	0	60	0	60	0	60	0	0	0	0	0
Bureau of Reclamation	13,917	0	13,917	0	13,917	0	13,917	0	0	0	0	0
Fish and Wildlife Service	1,843	0	1,843	0	1,843	0	1,843	0	0	0	0	0
Geological Survey	378,123	40,553	305,105	32,465	378,123	40,553	305,105	32,465	0	0	0	0
Core Science Systems Mission Area	30,369	10,991	17,525	1,853	30,369	10,991	17,525	1,853	0	0	0	0
Ecosystems Mission Area	170,341	19,102	132,919	18,320	170,341	19,102	132,919	18,320	0	0	0	0
Energy and Minerals Mission Area	40,637	1,618	37,401	1,618	40,637	1,618	37,401	1,618	0	0	0	0
Natural Hazards Mission Area	77,159	8,371	61,328	7,460	77,159	8,371	61,328	7,460	0	0	0	0
Water Resources Mission Area	59,617	471	55,932	3,214	59,617	471	55,932	3,214	0	0	0	0
National Park Service	1,803	0	1,803	0	1,803	0	1,803	0	0	0	0	0
Department of Transportation	133,591	0	133,591	0	112,273 i	0	112,273 i	0	21,318	0	21,318	0
Federal Aviation Administration	45,899 i	0 i	45,899 i	0 i	45,899 i	0 i	45,899 i	0 i	0 i	0 i	0 i	0 i
Office of Aerospace Medicine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of NextGen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Federal Highway Administration	33,508	0	33,508	0	12,190	0	12,190	0	21,318	0	21,318	0
Intelligence Transportation Systems Joint Program Office	13,977	0	13,977	0	3	0	3	0	13,974	0	13,974	0
Office of Administrations	11,000	0	11,000	0	11,000	0	11,000	0	0	0	0	0
Office of Operations	3	0	3	0	3	0	3	0	0	0	0	0
Office of Planning	414	0	414	0	5	0	5	0	409	0	409	0
Office of Research, Development, and Technology	8,114	0	8,114	0	1,179	0	1,179	0	6,935	0	6,935	0
National Highway Traffic Safety Administration	38,909	0	38,909	0	38,909	0	38,909	0	0	0	0	0

Table 4. Federal facility expenditures for R&D performed by the facility, by source of funds and type of R&D: FY 2024

(Thousands of dollars)

Agency or facility	Total R&D expenditures				Federally funded				Nonfederally funded			
	All R&D	Basic research	Applied research	Experimental development	All federal R&D	Basic research	Applied research	Experimental development	All nonfederal R&D	Basic research	Applied research	Experimental development
Office of Vehicle Safety Research	38,909	0	38,909	0	38,909	0	38,909	0	0	0	0	0
Vehicle Research and Test Center	38,909	0	38,909	0	38,909	0	38,909	0	0	0	0	0
Office of the Secretary for Research and Technology	15,275 i	0 i	15,275 i	0 i	15,275 i	0 i	15,275 i	0 i	0 i	0 i	0 i	0 i
John A. Volpe National Transportation Systems Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Veterans Affairs	1,763,971	705,588	1,023,103	35,279	1,763,971	705,588	1,023,103	35,279	0	0	0	0
Office of Research and Development Central Office	93,131	37,253	54,016	1,863	93,131	37,253	54,016	1,863	0	0	0	0
Veterans Integrated Services Network (VISN) 1: New England Health Care System	270,225	108,090	156,730	5,404	270,225	108,090	156,730	5,404	0	0	0	0
Bedford Health Care System	15,736	6,295	9,127	315	15,736	6,295	9,127	315	0	0	0	0
Boston Health Care System, Jamaica Plain Campus	177,871	71,148	103,165	3,557	177,871	71,148	103,165	3,557	0	0	0	0
Central Western Massachusetts Health Care	1,433	573	831	29	1,433	573	831	29	0	0	0	0
Connecticut Health Care System, West Haven Medical Center	44,863	17,945	26,021	897	44,863	17,945	26,021	897	0	0	0	0
Manchester Medical Center	188	75	109	4	188	75	109	4	0	0	0	0
Providence Medical Center	21,665	8,666	12,566	433	21,665	8,666	12,566	433	0	0	0	0
Togus Maine Health Care System	279	112	162	6	279	112	162	6	0	0	0	0
White River Junction Medical Center	8,189	3,276	4,750	164	8,189	3,276	4,750	164	0	0	0	0
VISN 2: New York/ New Jersey Veterans Health Care Network	69,701	27,880	40,426	1,394	69,701	27,880	40,426	1,394	0	0	0	0
Bronx Health Care, James J. Peters Medical Center	35,415	14,166	20,540	708	35,415	14,166	20,540	708	0	0	0	0
New Jersey Health Care	6,357	2,543	3,687	127	6,357	2,543	3,687	127	0	0	0	0
New York Harbor Health Care	9,496	3,798	5,508	190	9,496	3,798	5,508	190	0	0	0	0
Northport Medical Center	4,905	1,962	2,845	98	4,905	1,962	2,845	98	0	0	0	0
Western New York Health Care, Buffalo Medical Center	13,528	5,411	7,846	271	13,528	5,411	7,846	271	0	0	0	0
VISN 4: Health Care	52,200	20,880	30,276	1,044	52,200	20,880	30,276	1,044	0	0	0	0
Coatesville Medical Center	288	115	167	6	288	115	167	6	0	0	0	0
Philadelphia Health Care, Corporal Michael J. Crescenz Medical Center	21,933	8,773	12,721	439	21,933	8,773	12,721	439	0	0	0	0
Pittsburgh Medical Center-University Drive	29,980	11,992	17,388	600	29,980	11,992	17,388	600	0	0	0	0
VISN 5: Capitol Health Care Network	50,089	20,035	29,051	1,002	50,089	20,035	29,051	1,002	0	0	0	0
Huntington Health Care, Hershel (Woody) Williams Medical Center	1,434	573	831	29	1,434	573	831	29	0	0	0	0
Maryland Health Care, Baltimore Medical Center	36,010	14,404	20,886	720	36,010	14,404	20,886	720	0	0	0	0
Washington DC Health Care, Washington Medical Center	12,645	5,058	7,334	253	12,645	5,058	7,334	253	0	0	0	0
VISN 6: Mid-Atlantic Health Care Network	67,983	27,193	39,430	1,360	67,983	27,193	39,430	1,360	0	0	0	0
Asheville Health Care, Charles George Medical Center	1,577	631	915	32	1,577	631	915	32	0	0	0	0
Durham Medical Center	37,821	15,128	21,936	756	37,821	15,128	21,936	756	0	0	0	0
Hampton Medical Center	438	175	254	9	438	175	254	9	0	0	0	0
Richmond Health Care, Hunter Holmes McGuire Hospital	21,184	8,473	12,286	424	21,184	8,473	12,286	424	0	0	0	0
Salem Medical Center	3,628	1,451	2,104	73	3,628	1,451	2,104	73	0	0	0	0

Table 4. Federal facility expenditures for R&D performed by the facility, by source of funds and type of R&D: FY 2024

(Thousands of dollars)

Agency or facility	Total R&D expenditures				Federally funded				Nonfederally funded			
	All R&D	Basic research	Applied research	Experimental development	All federal R&D	Basic research	Applied research	Experimental development	All nonfederal R&D	Basic research	Applied research	Experimental development
Salisbury Health Care, W.G. (Bill) Hefner Salisbury Medical Center	3,335	1,334	1,935	67	3,335	1,334	1,935	67	0	0	0	0
VISN 7: Southeast Network	98,927	39,571	57,378	1,979	98,927	39,571	57,378	1,979	0	0	0	0
Atlanta Medical Center	38,529	15,412	22,347	771	38,529	15,412	22,347	771	0	0	0	0
Augusta Health Care, Charlie Norwood Medical Center	4,726	1,890	2,741	95	4,726	1,890	2,741	95	0	0	0	0
Birmingham Medical Center	11,682	4,673	6,776	234	11,682	4,673	6,776	234	0	0	0	0
Charleston Health Care, Ralph H. Johnson Medical Center	36,283	14,513	21,044	726	36,283	14,513	21,044	726	0	0	0	0
Columbia South Carolina Health Care, William Jennings Bryan Dorn Medical Center	4,978	1,991	2,887	100	4,978	1,991	2,887	100	0	0	0	0
Tuscaloosa Medical Center	2,730	1,092	1,583	55	2,730	1,092	1,583	55	0	0	0	0
VISN 8: Sunshine Health Care Network	44,454	17,781	25,783	889	44,454	17,781	25,783	889	0	0	0	0
Bay Pines Health Care System	2,768	1,107	1,606	55	2,768	1,107	1,606	55	0	0	0	0
Caribbean Health Care System	614	246	356	12	614	246	356	12	0	0	0	0
Miami Health Care System	14,775	5,910	8,570	296	14,775	5,910	8,570	296	0	0	0	0
North Florida/ South Georgia Health Care System	12,859	5,144	7,458	257	12,859	5,144	7,458	257	0	0	0	0
Orlando Medical Center	661	264	383	13	661	264	383	13	0	0	0	0
Tampa Health Care, James A. Haley Veterans' Hospital	12,776	5,110	7,410	256	12,776	5,110	7,410	256	0	0	0	0
VISN 9: MidSouth Health Care Network	58,093	23,237	33,694	1,162	58,093	23,237	33,694	1,162	0	0	0	0
Lexington Medical Center (Troy Bowling Campus)	4,586	1,834	2,660	92	4,586	1,834	2,660	92	0	0	0	0
Louisville Health Care, Robley Rex Medical Center	2,358	943	1,367	47	2,358	943	1,367	47	0	0	0	0
Memphis Medical Center	9,892	3,957	5,738	198	9,892	3,957	5,738	198	0	0	0	0
Mountain Home Health Care, James H. Quillen Medical Center	2,468	987	1,431	49	2,468	987	1,431	49	0	0	0	0
Tennessee Valley Health Care, Nashville Medical Center	38,789	15,516	22,498	776	38,789	15,516	22,498	776	0	0	0	0
VISN 10: Health Care System	114,036	45,615	66,141	2,281	114,036	45,615	66,141	2,281	0	0	0	0
Ann Arbor Health Care System	38,667	15,467	22,427	773	38,667	15,467	22,427	773	0	0	0	0
Battle Creek Medical Center	72	29	42	1	72	29	42	1	0	0	0	0
Cincinnati Medical Center	8,006	3,202	4,644	160	8,006	3,202	4,644	160	0	0	0	0
Dayton Medical Center	1,409	564	817	28	1,409	564	817	28	0	0	0	0
Detroit Health Care, John D. Dingell Medical Center	7,167	2,867	4,157	143	7,167	2,867	4,157	143	0	0	0	0
Indiana Health Care, Richard L. Roudebush Medical Center	25,312	10,125	14,681	506	25,312	10,125	14,681	506	0	0	0	0
Northeast Ohio Health Care, Louis Stokes Cleveland Medical Center	33,402	13,361	19,373	668	33,402	13,361	19,373	668	0	0	0	0
VISN 12: Great Lakes Health Care System	82,101	32,840	47,619	1,642	82,101	32,840	47,619	1,642	0	0	0	0
Chicago Health Care, Jesse Brown Medical Center	21,999	8,800	12,759	440	21,999	8,800	12,759	440	0	0	0	0
Hines Health Care, Edward Hines Junior Hospital	33,940	13,576	19,685	679	33,940	13,576	19,685	679	0	0	0	0
Madison Health Care, William S. Middleton Memorial Veterans' Hospital	17,377	6,951	10,079	348	17,377	6,951	10,079	348	0	0	0	0
Milwaukee Health Care, Clement J. Zablocki Medical Center	8,785	3,514	5,095	176	8,785	3,514	5,095	176	0	0	0	0
VISN 15: Heartland Health Care Network	21,488	8,595	12,463	430	21,488	8,595	12,463	430	0	0	0	0

Table 4. Federal facility expenditures for R&D performed by the facility, by source of funds and type of R&D: FY 2024

(Thousands of dollars)

Agency or facility	Total R&D expenditures				Federally funded				Nonfederally funded			
	All R&D	Basic research	Applied research	Experimental development	All federal R&D	Basic research	Applied research	Experimental development	All nonfederal R&D	Basic research	Applied research	Experimental development
Kansas City Medical Center	11,833	4,733	6,863	237	11,833	4,733	6,863	237	0	0	0	0
St. Louis Health Care, John J. Cochran Veterans Hospital	9,656	3,862	5,600	193	9,656	3,862	5,600	193	0	0	0	0
VISN 16: South Central Health Care Network	51,791	20,717	30,039	1,036	51,791	20,717	30,039	1,036	0	0	0	0
Central Arkansas Health Care, Eugene J. Towbin Health Care Center	13,361	5,344	7,749	267	13,361	5,344	7,749	267	0	0	0	0
Houston Health Care, Michael E. DeBakey Medical Center	29,915	11,966	17,351	598	29,915	11,966	17,351	598	0	0	0	0
Jackson Health Care, G.V. (Sonny) Montgomery Medical Center	918	367	533	18	918	367	533	18	0	0	0	0
Shreveport Health Care, Overton Brooks Medical Center	559	223	324	11	559	223	324	11	0	0	0	0
Southeast Louisiana Health Care System	7,038	2,815	4,082	141	7,038	2,815	4,082	141	0	0	0	0
VISN 17: Heart of Texas Health Care Network	29,841	11,936	17,308	597	29,841	11,936	17,308	597	0	0	0	0
Central Texas Health Care	3,673	1,469	2,130	73	3,673	1,469	2,130	73	0	0	0	0
North Texas, Dallas Medical Center	8,563	3,425	4,966	171	8,563	3,425	4,966	171	0	0	0	0
South Texas Health Care	17,606	7,042	10,211	352	17,606	7,042	10,211	352	0	0	0	0
VISN 19: Rocky Mountain Network	113,261	45,304	65,691	2,265	113,261	45,304	65,691	2,265	0	0	0	0
Eastern Colorado, Rocky Mountain Regional Medical Center	38,978	15,591	22,607	780	38,978	15,591	22,607	780	0	0	0	0
Eastern Oklahoma, Jack C. Montgomery Medical Center	417	167	242	8	417	167	242	8	0	0	0	0
Oklahoma City Medical Center	10,079	4,032	5,846	202	10,079	4,032	5,846	202	0	0	0	0
Salt Lake City Health Care	63,786	25,515	36,996	1,276	63,786	25,515	36,996	1,276	0	0	0	0
VISN 20: Northwest Network	121,196	48,478	70,294	2,424	121,196	48,478	70,294	2,424	0	0	0	0
Boise Medical Center	3,572	1,429	2,072	71	3,572	1,429	2,072	71	0	0	0	0
Portland Health Care System	51,926	20,770	30,117	1,039	51,926	20,770	30,117	1,039	0	0	0	0
Puget Sound Health Care, Seattle Medical Center	65,698	26,279	38,105	1,314	65,698	26,279	38,105	1,314	0	0	0	0
VISN 21: Sierra Pacific Network	199,694	79,878	115,823	3,994	199,694	79,878	115,823	3,994	0	0	0	0
Central California Health Care System	360	144	209	7	360	144	209	7	0	0	0	0
Northern California Health Care System	7,573	3,029	4,393	151	7,573	3,029	4,393	151	0	0	0	0
Pacific Islands Health Care System	1,119	448	649	22	1,119	448	649	22	0	0	0	0
Palo Alto Health Care System	112,440	44,976	65,215	2,249	112,440	44,976	65,215	2,249	0	0	0	0
San Francisco Health Care System	76,852	30,741	44,574	1,537	76,852	30,741	44,574	1,537	0	0	0	0
Sierra Nevada Health Care System	562	225	326	11	562	225	326	11	0	0	0	0
Southern Nevada Health Care System	787	315	457	16	787	315	457	16	0	0	0	0
VISN 22: Desert Pacific Health Care Network	166,353	66,541	96,485	3,327	166,353	66,541	96,485	3,327	0	0	0	0
Greater Los Angeles, West Los Angeles Medical Center	40,308	16,123	23,378	806	40,308	16,123	23,378	806	0	0	0	0
Loma Linda Health Care System	6,823	2,729	3,957	136	6,823	2,729	3,957	136	0	0	0	0
Long Beach Health Care System	12,020	4,808	6,972	240	12,020	4,808	6,972	240	0	0	0	0
New Mexico Health Care System	38,271	15,308	22,197	765	38,271	15,308	22,197	765	0	0	0	0
Phoenix Health Care System	4,820	1,928	2,796	96	4,820	1,928	2,796	96	0	0	0	0

Table 4. Federal facility expenditures for R&D performed by the facility, by source of funds and type of R&D: FY 2024

(Thousands of dollars)

Agency or facility	Total R&D expenditures				Federally funded				Nonfederally funded			
	All R&D	Basic research	Applied research	Experimental development	All federal R&D	Basic research	Applied research	Experimental development	All nonfederal R&D	Basic research	Applied research	Experimental development
San Diego Health Care System	58,562	23,425	33,966	1,171	58,562	23,425	33,966	1,171	0	0	0	0
Southern Arizona Health Care System	5,549	2,219	3,218	111	5,549	2,219	3,218	111	0	0	0	0
VISN 23: Midwest Health Care Network	59,407	23,763	34,456	1,188	59,407	23,763	34,456	1,188	0	0	0	0
Fargo Health Care System	293	117	170	6	293	117	170	6	0	0	0	0
Minneapolis Health Care System	32,577	13,031	18,895	652	32,577	13,031	18,895	652	0	0	0	0
Nebraska-Western Iowa Health Care System	25,622	10,249	14,861	512	25,622	10,249	14,861	512	0	0	0	0
Sioux Falls Health Care System	871	348	505	17	871	348	505	17	0	0	0	0
St. Cloud Health Care	43	17	25	1	43	17	25	1	0	0	0	0
Other agencies	4,221,857	1,001,289	1,027,672	2,192,896	4,221,857	1,001,289	1,027,672	2,192,896	0	0	0	0
Environmental Protection Agency	324,660	0	238,625	86,035	324,660	0	238,625	86,035	0	0	0	0
Center for Computational Toxicology and Exposure	56,620	0	41,616	15,004	56,620	0	41,616	15,004	0	0	0	0
Center for Environmental Measurement and Modeling	87,706	0	64,464	23,242	87,706	0	64,464	23,242	0	0	0	0
Center for Environmental Solutions and Emergency Response	64,165	0	47,161	17,004	64,165	0	47,161	17,004	0	0	0	0
Center for Public Health and Environmental Assessment	92,644	0	68,094	24,551	92,644	0	68,094	24,551	0	0	0	0
Office of Science Advisor, Policy, and Engagement	23,525	0	17,291	6,234	23,525	0	17,291	6,234	0	0	0	0
Federal Trade Commission	834	0	834	0	834	0	834	0	0	0	0	0
Library of Congress	8,841 i	3,758 i	4,148 i	936 i	8,841 i	3,758 i	4,148 i	936 i	0 i	0 i	0 i	0 i
National Aeronautics and Space Administration	3,719,172	829,182	784,065	2,105,925	3,719,172	829,182	784,065	2,105,925	0	0	0	0
Ames Research Center	286,233	37,889	157,628	90,716	286,233	37,889	157,628	90,716	0	0	0	0
Armstrong (Dryden) Flight Research Center	81,935	1,715	25,478	54,742	81,935	1,715	25,478	54,742	0	0	0	0
Glenn Research Center	213,894	25,919	145,545	42,430	213,894	25,919	145,545	42,430	0	0	0	0
Goddard Space Flight Center	1,057,584	323,691	64,185	669,708	1,057,584	323,691	64,185	669,708	0	0	0	0
Johnson Space Center	484,227	53,200	95,234	335,792	484,227	53,200	95,234	335,792	0	0	0	0
Kennedy Space Center	215,813	99,832	10,992	104,989	215,813	99,832	10,992	104,989	0	0	0	0
Langley Research Center	254,335	43,197	169,846	41,292	254,335	43,197	169,846	41,292	0	0	0	0
Marshall Space Flight Center	812,864	82,542	84,396	645,926	812,864	82,542	84,396	645,926	0	0	0	0
NASA Headquarters	301,195	161,177	30,151	109,866	301,195	161,177	30,151	109,866	0	0	0	0
Stennis Space Center	11,092	19	609	10,464	11,092	19	609	10,464	0	0	0	0
Smithsonian Institution	168,350	168,350	0	0	168,350	168,350	0	0	0	0	0	0
Office of Academic, Interns, and Fellowship	1,195	1,195	0	0	1,195	1,195	0	0	0	0	0	0
Under Secretary for Finance and Administration	13,332	13,332	0	0	13,332	13,332	0	0	0	0	0	0
Information Technology	13,332	13,332	0	0	13,332	13,332	0	0	0	0	0	0
Under Secretary for Museums and Culture	39,086	39,086	0	0	39,086	39,086	0	0	0	0	0	0
Asian Pacific American Center	243	243	0	0	243	243	0	0	0	0	0	0
National Museum of African American History	9,671	9,671	0	0	9,671	9,671	0	0	0	0	0	0

Table 4. Federal facility expenditures for R&D performed by the facility, by source of funds and type of R&D: FY 2024

(Thousands of dollars)

Agency or facility	Total R&D expenditures				Federally funded				Nonfederally funded			
	All R&D	Basic research	Applied research	Experimental development	All federal R&D	Basic research	Applied research	Experimental development	All nonfederal R&D	Basic research	Applied research	Experimental development
National Museum of Asian Art	1,021	1,021	0	0	1,021	1,021	0	0	0	0	0	0
National Museum of African Art	1,101	1,101	0	0	1,101	1,101	0	0	0	0	0	0
National Museum of American History	10,022	10,022	0	0	10,022	10,022	0	0	0	0	0	0
National Museum of American Indian	8,422	8,422	0	0	8,422	8,422	0	0	0	0	0	0
National Museum of American Latino	1,442	1,442	0	0	1,442	1,442	0	0	0	0	0	0
National Portrait Gallery	1,441	1,441	0	0	1,441	1,441	0	0	0	0	0	0
National Postal Museum	277	277	0	0	277	277	0	0	0	0	0	0
Smithsonian American Art Museum	3,506	3,506	0	0	3,506	3,506	0	0	0	0	0	0
Smithsonian American Women's History Museum	1,940	1,940	0	0	1,940	1,940	0	0	0	0	0	0
Under Secretary for Science and Research	114,737	114,737	0	0	114,737	114,737	0	0	0	0	0	0
Museum Conservation Institute	1,735	1,735	0	0	1,735	1,735	0	0	0	0	0	0
National Air and Space Museum	7,853	7,853	0	0	7,853	7,853	0	0	0	0	0	0
National Museum of Natural History	27,611	27,611	0	0	27,611	27,611	0	0	0	0	0	0
National Zoological Park/ Smithsonian Conservation Biology Institute	8,183	8,183	0	0	8,183	8,183	0	0	0	0	0	0
Office of Global Affairs	2,234	2,234	0	0	2,234	2,234	0	0	0	0	0	0
Smithsonian Astrophysical Observatory	42,586	42,586	0	0	42,586	42,586	0	0	0	0	0	0
Smithsonian Environmental Research Center	5,762	5,762	0	0	5,762	5,762	0	0	0	0	0	0
Smithsonian Libraries and Archives	6,416	6,416	0	0	6,416	6,416	0	0	0	0	0	0
Smithsonian Tropical Research Institute	12,356	12,356	0	0	12,356	12,356	0	0	0	0	0	0

i = more than 50% of the estimate is imputed, including cases where there is only one facility listed and its data are imputed. NA = not available; imputed data not reported at this level.

[a] Naval Medical Research Command headquarters and its subfacilities responded separately to the survey. Data displayed for the Naval Medical Research Command include both the headquarters and listed subfacilities totals.

Source(s):
National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey, FY 2024.

Table 5. Federal facility expenditures for R&D performed by the facility, by source of funds: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Source of funds					Any public-private partnership funding[a]
		Federal government	State and local government	Businesses	Nonprofit organizations	All other organizations	
All agencies	49,095,133	48,472,544	76,342	50,374	15,518	480,356	Yes
Department of Agriculture	1,248,585	1,238,310	5,065	0	0	5,210	Yes
Agricultural Research Service	835,752	835,752	0	0	0	0	No
Midwest Area	131,193	131,193	0	0	0	0	No
Northeast Area	161,648	161,648	0	0	0	0	No
Pacific West Area	169,342	169,342	0	0	0	0	No
Plains Area	182,884	182,884	0	0	0	0	No
Southeast Area	190,685	190,685	0	0	0	0	No
Animal and Plant Health Inspection Service	47,219	40,904	1,105	0	0	5,210	No
Forest Pest Methods Laboratory	10,149	10,149	0	0	0	0	No
Insect Management and Molecular Diagnostics Laboratory	3,436	3,436	0	0	0	0	No
National Veterinary Services Laboratories/ Center for Veterinary Biologics	11,629	11,629	0	0	0	0	No
National Wildlife Research Center	15,787	9,472	1,105	0	0	5,210	No
Plant Pathogen Confirmatory Diagnostics Laboratory	5,723	5,723	0	0	0	0	No
Treatment and Inspection Methods Laboratory	NA	NA	NA	NA	NA	NA	Not provided
Economic Research Service	89,757	89,757	0	0	0	0	No
Forest Service	252,761	248,801	3,960	0	0	0	Yes
Forest Products Laboratory	20,737	20,336	401	0	0	0	Yes
International Institute of Tropical Forestry	5,261	5,214	47	0	0	0	Yes
Northern Research Station	50,270	49,518	752	0	0	0	Yes
Pacific Northwest Research Station	40,421	39,838	583	0	0	0	Yes
Pacific Southwest Research Station	19,484	18,776	708	0	0	0	Yes
Rocky Mountain Research Station	54,753	53,888	865	0	0	0	Yes
Southern Research Station	43,699	43,489	210	0	0	0	Yes
Washington Office Research and Development	18,136	17,742	394	0	0	0	Yes
National Agricultural Statistics Service	10,576	10,576	0	0	0	0	No
Natural Resources Conservation Service	12,519	12,519	0	0	0	0	No
Plant Materials Center	11,490	11,490	0	0	0	0	No
Soil Science Research Branch	1,029	1,029	0	0	0	0	No
Department of Commerce	1,663,108	1,658,700	914	883	94	2,517	Yes
Census Bureau	355,462	353,653	0	0	0	1,809	No
National Institute of Standards and Technology	788,920	788,920	0	0	0	0	No
National Oceanic and Atmospheric Administration	508,287	505,688	914	883	94	708	Yes
National Environmental Satellite, Data, and Information Service	31,645	31,645	0	0	0	0	No
Center for Satellite Applications and Research	26,024	26,024	0	0	0	0	No

Table 5. Federal facility expenditures for R&D performed by the facility, by source of funds: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Source of funds					Any public-private partnership funding[a]
		Federal government	State and local government	Businesses	Nonprofit organizations	All other organizations	
National Centers for Environmental Information	5,621	5,621	0	0	0	0	No
National Marine Fisheries Service	48,840	47,941	482	2	94	321	Yes
Alaska Fisheries Science Center	10,959	10,959	0	0	0	0	No
Northeast Fisheries Science Center	8,355	8,257	0	0	0	98	No
Northwest Fisheries Science Center	9,839	9,253	482	0	94	10	Yes
Office of Protected Resources	212	212	0	0	0	0	No
Office of Science and Technology	959	959	0	0	0	0	No
Office of Sustainable Fisheries	625	625	0	0	0	0	Yes
Pacific Island Fisheries Science Center	4,730	4,570	0	0	0	160	No
Southeast Fisheries Science Center	6,754	6,753	0	0	0	1	No
Southwest Fisheries Science Center	6,408	6,353	0	2	0	53	No
National Ocean Service	73,898	72,525	433	881	0	60	No
Center for Operational Oceanographic Products and Services	2,383	2,383	0	0	0	0	No
National Centers for Coastal Ocean Science	52,173	50,813	420	881	0	60	No
National Geodetic Survey	7,138	7,125	13	0	0	0	No
Office for Coastal Management	6,040	6,040	0	0	0	0	No
Office of Response and Restoration	2,352	2,352	0	0	0	0	No
Office of the Coast Survey	3,811	3,811	0	0	0	0	No
National Weather Service	33,403	33,403	0	0	0	0	No
National Centers for Environmental Prediction	20,311	20,311	0	0	0	0	No
Office of Science and Technology Integration	13,092	13,092	0	0	0	0	No
Oceanic and Atmospheric Research	296,268	295,941	0	0	0	327	No
Air Resources Laboratory	12,291	12,291	0	0	0	0	No
Atlantic Oceanographic and Meteorological Laboratory	20,259	20,259	0	0	0	0	No
Chemical Sciences Laboratory	14,181	14,181	0	0	0	0	No
Climate Program Office	23,199	23,199	0	0	0	0	No
Earth System Research Laboratories	3,874	3,874	0	0	0	0	No
Geophysical Fluid Dynamics Laboratory	29,956	29,956	0	0	0	0	No
Global Monitoring Laboratory	20,188	20,188	0	0	0	0	No
Global Ocean Monitoring and Observing Program	21,851	21,851	0	0	0	0	No
Global Systems Laboratory	22,614	22,614	0	0	0	0	No
Great Lakes Environmental Research Laboratory	18,185	18,185	0	0	0	0	No
National Sea Grant College Program	3,136	2,809	0	0	0	327	No
National Severe Storms Laboratory	23,501	23,501	0	0	0	0	No
Ocean Acidification Program	2,309	2,309	0	0	0	0	No

Table 5. Federal facility expenditures for R&D performed by the facility, by source of funds: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Source of funds					Any public-private partnership funding[a]
		Federal government	State and local government	Businesses	Nonprofit organizations	All other organizations	
Office of Ocean Exploration and Research	10,414	10,414	0	0	0	0	No
Office of Research Transition and Application	3,794	3,794	0	0	0	0	No
Pacific Marine Environment Laboratory	24,213	24,213	0	0	0	0	No
Physical Sciences Laboratory	20,646	20,646	0	0	0	0	No
Weather Program Office	21,658	21,658	0	0	0	0	No
Office of Marine and Aviation Operations	24,232	24,232	0	0	0	0	No
National Oceanic and Atmospheric Administration Corps	24,232	24,232	0	0	0	0	No
National Telecommunications and Information Administration	10,439	10,439	0	0	0	0	No
Institute for Telecommunication Sciences	10,439	10,439	0	0	0	0	No
Department of Defense	34,778,419	34,524,456	48,895	30,291	10,244	164,532	Yes
Defense Information Systems Agency	63,979	63,979	0	0	0	0	No
Department of the Air Force	18,203,631	18,133,334	47,455	1,815	0	21,028	Yes
Air Combat Command	2,339	2,339	0	0	0	0	No
Air Education Training Command	1,235	1,235	0	0	0	0	No
Air Force - Manpower and Reserve Affairs	149	149	0	0	0	0	No
Air Force Global Strike Command	169	169	0	0	0	0	No
Air Force Operational Test and Evaluation	34,000	34,000	0	0	0	0	No
Air Force Transportation Command	23,623	23,623	0	0	0	0	No
HQ Air Force Materiel Command	15,763,850	15,748,731	421	582	0	14,116	No
Air Force Materiel Command (AFMC)	14,150,797	14,135,733	421	582	0	14,061	No
Air Force Research Lab - U.S. Air Force projects	1,613,053	1,612,998	0	0	0	55	No
Space Force	2,371,326	2,316,148	47,034	1,232	0	6,912	Yes
Air Force Research Lab - U.S. Space Force projects	216,170	216,170	0	0	0	0	No
Space Development Agency	41,852	41,852	0	0	0	0	Yes
Space Operations Command	91,918	91,918	0	0	0	0	No
Space Systems Command	2,021,386	1,966,208	47,034	1,232	0	6,912	Yes
U.S. Space Command	6,941	6,941	0	0	0	0	No
Department of the Army	5,082,913	5,051,760	1,129	17,000	9,950	3,075	Yes
Army Cyber Command	NA	NA	NA	NA	NA	NA	Not provided
Army Engineer Research and Development Center	757,280	750,690	1,005	4,847	738	0	No
Army Medical Research and Development Command	458,275	439,173	124	7,085	9,212	2,681	Yes
Army Research Institute for the Behavioral and Social Sciences	18,817	18,817	0	0	0	0	No
Combat Capabilities Development Command (DEVCOM)	3,560,575	3,555,511	0	4,969	0	95	No
Armaments Center	257,297	257,297	0	0	0	0	No
Army Research Laboratory	408,678	408,678	0	0	0	0	No

Table 5. Federal facility expenditures for R&D performed by the facility, by source of funds: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Source of funds					Any public-private partnership funding[a]
		Federal government	State and local government	Businesses	Nonprofit organizations	All other organizations	
Aviation and Missile Center	1,580,036	1,580,036	0	0	0	0	No
Chemical Biological Center	103,099	99,097	0	3,907	0	95	No
Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance Center	665,954	665,954	0	0	0	0	No
Data and Analysis Center	142,267	141,205	0	1,062	0	0	No
DEVCOM Headquarters	35,571	35,571	0	0	0	0	No
Ground Vehicle Systems Center	276,786	276,786	0	0	0	0	No
Soldier Center	90,887	90,887	0	0	0	0	No
Space and Missile Defense Command	85,556	85,158	0	98	0	299	No
Department of the Navy	7,393,087	7,240,575	312	11,477	294	140,429	Yes
Bureau of Medicine and Surgery	123,045	122,512	0	47	294	193	No
Naval Medical Research Command[b]	123,045	122,512	0	47	294	193	No
Naval Health Research Center	24,802	24,608	0	0	0	193	No
Naval Medical Research Unit - Dayton	NA	NA	NA	NA	NA	NA	Not provided
Naval Medical Research Unit - INDO PACIFIC	NA	NA	NA	NA	NA	NA	Not provided
Naval Medical Research Unit - San Antonio	NA	NA	NA	NA	NA	NA	No
Naval Medical Research Unit - South	10,701	10,407	0	0	294	0	No
Naval Submarine Medical Research Laboratory	9,132	9,085	0	47	0	0	No
Marine Corps	1,235	1,235	0	0	0	0	No
Naval Air Warfare Center Aircraft Division	1,198,012	1,052,239	310	6,412	0	139,051	Yes
Naval Air Warfare Center Weapon Division	821,934	821,934	0	0	0	0	No
Naval Facilities Engineering and Expeditionary Warfare Center	29,000	29,000	0	0	0	0	Yes
Naval Information Warfare Systems Command	636,194	636,194	0	0	0	0	No
Naval Information Warfare Center Atlantic	132,424	132,424	0	0	0	0	No
Naval Information Warfare Center Pacific	503,770	503,770	0	0	0	0	No
Naval Observatory	1,562	1,562	0	0	0	0	No
Naval Oceanographic Office	19,533	19,533	0	0	0	0	No
Naval Sea Systems Command Warfare Centers	3,841,762	3,841,229	0	533	0	0	No
Naval Surface Warfare Center	3,164,754	3,164,221	0	533	0	0	No
Naval Undersea Warfare Center	677,008	677,008	0	0	0	0	No
Office of Naval Research	720,810	715,137	2	4,485	0	1,185	No
Naval Research Laboratory	720,810	715,137	2	4,485	0	1,185	No
Missile Defense Agency	4,034,808	4,034,808	0	0	0	0	No
Department of Energy	49,252 i	49,252 i	0 i	0 i	0 i	0 i	Not provided
National Energy Technology Laboratory	NA	NA	NA	NA	NA	NA	Not provided
Department of Health and Human Services	4,818,697	4,486,070	150	19,200	5,180	308,097	Yes

Table 5. Federal facility expenditures for R&D performed by the facility, by source of funds: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Source of funds					Any public-private partnership funding[a]
		Federal government	State and local government	Businesses	Nonprofit organizations	All other organizations	
Centers for Disease Control and Prevention	107,535	107,480	0	0	52	4	Yes
National Center for Emerging and Zoonotic Infectious Diseases	18,006	18,006	0	0	0	0	No
National Center for HIV, Viral Hepatitis, STD, and Tuberculosis Prevention	34,183	34,183	0	0	0	0	Yes
National Center on Birth Defects and Developmental Disabilities	243	243	0	0	0	0	No
National Institute for Occupational Safety and Health	55,103	55,047	0	0	52	4	Yes
Food and Drug Administration	510,332	331,624	0	123	0	178,585	Yes
Center for Biologics Evaluation and Research	69,085	68,934	0	0	0	151	Yes
Center for Devices and Radiological Health	51,000	46,666	0	123	0	4,211	Yes
Center for Drug Evaluation and Research	76,826	15,228	0	0	0	61,598	No
Center for Food Safety and Applied Nutrition	75,000	75,000	0	0	0	0	No
Center for Tobacco Products	111,561	0	0	0	0	111,561	No
Center for Veterinary Medicine	32,000	32,000	0	0	0	0	No
National Center for Toxicological Research	88,065	88,065	0	0	0	0	No
Office of Regulatory Affairs	5,199	4,135	0	0	0	1,064	No
Oncology Center of Excellence	1,596	1,596	0	0	0	0	No
National Institutes of Health	4,200,830	4,046,967	150	19,077	5,128	129,509	Yes
Clinical Center	693,747	693,747	0	0	0	0	Yes
Eunice Kennedy Shriver National Institute of Child Health and Human Development	245,638	243,920	0	1,386	283	49	Yes
National Cancer Institute	1,093,879	974,930	0	0	0	118,948	No
National Center for Advancing Translational Sciences	181,750	179,529	0	2,108	104	9	Yes
National Center for Complementary and Integrative Health	5,354	5,302	0	0	51	0	No
National Eye Institute	120,483	114,468	0	4,865	0	1,149	No
National Heart, Lung, and Blood Institute	189,805	189,805	0	0	0	0	No
National Human Genome Research Institute	162,753	160,120	0	1,934	699	0	Yes
National Institute of Allergy and Infectious Diseases	551,631	535,170	0	8,540	0	7,920	Yes
National Institute of Arthritis and Musculoskeletal and Skin Diseases	66,634	66,634	0	0	0	0	No
National Institute of Biomedical Imaging and Bioengineering	7,900	7,900	0	0	0	0	No
National Institute of Dental and Craniofacial Research	78,988	78,988	0	0	0	0	No
National Institute of Diabetes and Digestive and Kidney Diseases	NA	NA	NA	NA	NA	NA	Not provided
National Institute of Environmental Health Sciences	140,737	140,614	0	0	123	0	No
National Institute of Mental Health	663	663	0	0	0	0	No
National Institute of Neurological Disorders and Stroke	229,097	223,979	0	0	3,685	1,433	No
National Institute of Nursing Research	11,353	11,353	0	0	0	0	No
National Institute on Aging	7,183	7,183	0	0	0	0	No
National Institute on Alcohol Abuse and Alcoholism	NA	NA	NA	NA	NA	NA	Not provided

Table 5. Federal facility expenditures for R&D performed by the facility, by source of funds: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Source of funds					Any public-private partnership funding[a]
		Federal government	State and local government	Businesses	Nonprofit organizations	All other organizations	
National Institute on Deafness and Other Communication Disorders	34,240	33,827	150	80	183	0	Yes
National Institute on Drug Abuse	67,053	66,890	0	163	0	0	Yes
National Institute on Minority Health and Health Disparities	13,897	13,897	0	0	0	0	No
National Library of Medicine	NA	NA	NA	NA	NA	NA	Not provided
Department of Homeland Security	21,908	21,908	0	0	0	0	No
Coast Guard	2,207	2,207	0	0	0	0	No
Acquisition Directorate, Research and Development Center	2,207	2,207	0	0	0	0	No
Science and Technology Directorate	19,701	19,701	0	0	0	0	No
Office of National Laboratories	19,701	19,701	0	0	0	0	No
Chemical Security Analysis Center	4,393	4,393	0	0	0	0	No
National Urban Security Technology Laboratory	4,073	4,073	0	0	0	0	No
Plum Island Animal Disease Center	1,235	1,235	0	0	0	0	No
Transportation Security Laboratory	10,000	10,000	0	0	0	0	No
Department of the Interior	395,747	395,747	0	0	0	0	Yes
Bureau of Land Management	60	60	0	0	0	0	No
Bureau of Reclamation	13,917	13,917	0	0	0	0	No
Fish and Wildlife Service	1,843	1,843	0	0	0	0	No
Geological Survey	378,123	378,123	0	0	0	0	Yes
Core Science Systems Mission Area	30,369	30,369	0	0	0	0	Yes
Ecosystems Mission Area	170,341	170,341	0	0	0	0	Yes
Energy and Minerals Mission Area	40,637	40,637	0	0	0	0	Yes
Natural Hazards Mission Area	77,159	77,159	0	0	0	0	Yes
Water Resources Mission Area	59,617	59,617	0	0	0	0	Yes
National Park Service	1,803	1,803	0	0	0	0	No
Department of Transportation	133,591	112,273 i	21,318	0	0	0	No
Federal Aviation Administration	45,899 i	45,899 i	0 i	0 i	0 i	0 i	Not provided
Office of Aerospace Medicine	NA	NA	NA	NA	NA	NA	Not provided
Office of NextGen	NA	NA	NA	NA	NA	NA	Not provided
Federal Highway Administration	33,508	12,190	21,318	0	0	0	Not provided
Intelligence Transportation Systems Joint Program Office	13,977	3	13,974	0	0	0	Not provided
Office of Administrations	11,000	11,000	0	0	0	0	Not provided
Office of Operations	3	3	0	0	0	0	Not provided
Office of Planning	414	5	409	0	0	0	Not provided
Office of Research, Development, and Technology	8,114	1,179	6,935	0	0	0	Not provided
National Highway Traffic Safety Administration	38,909	38,909	0	0	0	0	No

Table 5. Federal facility expenditures for R&D performed by the facility, by source of funds: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures		Source of funds										Any public-private partnership funding[a]
			Federal government		State and local government		Businesses		Nonprofit organizations		All other organizations		
Office of Vehicle Safety Research	38,909		38,909		0		0		0		0		No
Vehicle Research and Test Center	38,909		38,909		0		0		0		0		No
Office of the Secretary for Research and Technology	15,275	i	15,275	i	0	i	0	i	0	i	0	i	Not provided
John A. Volpe National Transportation Systems Center	NA		NA		NA		NA		NA		NA		Not provided
Department of Veterans Affairs	1,763,971		1,763,971		0		0		0		0		No
Office of Research and Development Central Office	93,131		93,131		0		0		0		0		No
Veterans Integrated Services Network (VISN) 1: New England Health Care System	270,225		270,225		0		0		0		0		No
Bedford Health Care System	15,736		15,736		0		0		0		0		No
Boston Health Care System, Jamaica Plain Campus	177,871		177,871		0		0		0		0		No
Central Western Massachusetts Health Care	1,433		1,433		0		0		0		0		No
Connecticut Health Care System, West Haven Medical Center	44,863		44,863		0		0		0		0		No
Manchester Medical Center	188		188		0		0		0		0		No
Providence Medical Center	21,665		21,665		0		0		0		0		No
Togus Maine Health Care System	279		279		0		0		0		0		No
White River Junction Medical Center	8,189		8,189		0		0		0		0		No
VISN 2: New York/ New Jersey Veterans Health Care Network	69,701		69,701		0		0		0		0		No
Bronx Health Care, James J. Peters Medical Center	35,415		35,415		0		0		0		0		No
New Jersey Health Care	6,357		6,357		0		0		0		0		No
New York Harbor Health Care	9,496		9,496		0		0		0		0		No
Northport Medical Center	4,905		4,905		0		0		0		0		No
Western New York Health Care, Buffalo Medical Center	13,528		13,528		0		0		0		0		No
VISN 4: Health Care	52,200		52,200		0		0		0		0		No
Coatesville Medical Center	288		288		0		0		0		0		No
Philadelphia Health Care, Corporal Michael J. Crescenz Medical Center	21,933		21,933		0		0		0		0		No
Pittsburgh Medical Center-University Drive	29,980		29,980		0		0		0		0		No
VISN 5: Capitol Health Care Network	50,089		50,089		0		0		0		0		No
Huntington Health Care, Hershel (Woody) Williams Medical Center	1,434		1,434		0		0		0		0		No
Maryland Health Care, Baltimore Medical Center	36,010		36,010		0		0		0		0		No
Washington DC Health Care, Washington Medical Center	12,645		12,645		0		0		0		0		No
VISN 6: Mid-Atlantic Health Care Network	67,983		67,983		0		0		0		0		No
Asheville Health Care, Charles George Medical Center	1,577		1,577		0		0		0		0		No
Durham Medical Center	37,821		37,821		0		0		0		0		No
Hampton Medical Center	438		438		0		0		0		0		No
Richmond Health Care, Hunter Holmes McGuire Hospital	21,184		21,184		0		0		0		0		No
Salem Medical Center	3,628		3,628		0		0		0		0		No

Table 5. Federal facility expenditures for R&D performed by the facility, by source of funds: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Source of funds					Any public-private partnership funding[a]
		Federal government	State and local government	Businesses	Nonprofit organizations	All other organizations	
Salisbury Health Care, W.G. (Bill) Hefner Salisbury Medical Center	3,335	3,335	0	0	0	0	No
VISN 7: Southeast Network	98,927	98,927	0	0	0	0	No
Atlanta Medical Center	38,529	38,529	0	0	0	0	No
Augusta Health Care, Charlie Norwood Medical Center	4,726	4,726	0	0	0	0	No
Birmingham Medical Center	11,682	11,682	0	0	0	0	No
Charleston Health Care, Ralph H. Johnson Medical Center	36,283	36,283	0	0	0	0	No
Columbia South Carolina Health Care, William Jennings Bryan Dorn Medical Center	4,978	4,978	0	0	0	0	No
Tuscaloosa Medical Center	2,730	2,730	0	0	0	0	No
VISN 8: Sunshine Health Care Network	44,454	44,454	0	0	0	0	No
Bay Pines Health Care System	2,768	2,768	0	0	0	0	No
Caribbean Health Care System	614	614	0	0	0	0	No
Miami Health Care System	14,775	14,775	0	0	0	0	No
North Florida/ South Georgia Health Care System	12,859	12,859	0	0	0	0	No
Orlando Medical Center	661	661	0	0	0	0	No
Tampa Health Care, James A. Haley Veterans' Hospital	12,776	12,776	0	0	0	0	No
VISN 9: MidSouth Health Care Network	58,093	58,093	0	0	0	0	No
Lexington Medical Center (Troy Bowling Campus)	4,586	4,586	0	0	0	0	No
Louisville Health Care, Robley Rex Medical Center	2,358	2,358	0	0	0	0	No
Memphis Medical Center	9,892	9,892	0	0	0	0	No
Mountain Home Health Care, James H. Quillen Medical Center	2,468	2,468	0	0	0	0	No
Tennessee Valley Health Care, Nashville Medical Center	38,789	38,789	0	0	0	0	No
VISN 10: Health Care System	114,036	114,036	0	0	0	0	No
Ann Arbor Health Care System	38,667	38,667	0	0	0	0	No
Battle Creek Medical Center	72	72	0	0	0	0	No
Cincinnati Medical Center	8,006	8,006	0	0	0	0	No
Dayton Medical Center	1,409	1,409	0	0	0	0	No
Detroit Health Care, John D. Dingell Medical Center	7,167	7,167	0	0	0	0	No
Indiana Health Care, Richard L. Roudebush Medical Center	25,312	25,312	0	0	0	0	No
Northeast Ohio Health Care, Louis Stokes Cleveland Medical Center	33,402	33,402	0	0	0	0	No
VISN 12: Great Lakes Health Care System	82,101	82,101	0	0	0	0	No
Chicago Health Care, Jesse Brown Medical Center	21,999	21,999	0	0	0	0	No
Hines Health Care, Edward Hines Junior Hospital	33,940	33,940	0	0	0	0	No
Madison Health Care, William S. Middleton Memorial Veterans' Hospital	17,377	17,377	0	0	0	0	No
Milwaukee Health Care, Clement J. Zablocki Medical Center	8,785	8,785	0	0	0	0	No
VISN 15: Heartland Health Care Network	21,488	21,488	0	0	0	0	No

Table 5. Federal facility expenditures for R&D performed by the facility, by source of funds: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Source of funds					Any public-private partnership funding[a]
		Federal government	State and local government	Businesses	Nonprofit organizations	All other organizations	
Kansas City Medical Center	11,833	11,833	0	0	0	0	No
St. Louis Health Care, John J. Cochran Veterans Hospital	9,656	9,656	0	0	0	0	No
VISN 16: South Central Health Care Network	51,791	51,791	0	0	0	0	No
Central Arkansas Health Care, Eugene J. Towbin Health Care Center	13,361	13,361	0	0	0	0	No
Houston Health Care, Michael E. DeBakey Medical Center	29,915	29,915	0	0	0	0	No
Jackson Health Care, G.V. (Sonny) Montgomery Medical Center	918	918	0	0	0	0	No
Shreveport Health Care, Overton Brooks Medical Center	559	559	0	0	0	0	No
Southeast Louisiana Health Care System	7,038	7,038	0	0	0	0	No
VISN 17: Heart of Texas Health Care Network	29,841	29,841	0	0	0	0	No
Central Texas Health Care	3,673	3,673	0	0	0	0	No
North Texas, Dallas Medical Center	8,563	8,563	0	0	0	0	No
South Texas Health Care	17,606	17,606	0	0	0	0	No
VISN 19: Rocky Mountain Network	113,261	113,261	0	0	0	0	No
Eastern Colorado, Rocky Mountain Regional Medical Center	38,978	38,978	0	0	0	0	No
Eastern Oklahoma, Jack C. Montgomery Medical Center	417	417	0	0	0	0	No
Oklahoma City Medical Center	10,079	10,079	0	0	0	0	No
Salt Lake City Health Care	63,786	63,786	0	0	0	0	No
VISN 20: Northwest Network	121,196	121,196	0	0	0	0	No
Boise Medical Center	3,572	3,572	0	0	0	0	No
Portland Health Care System	51,926	51,926	0	0	0	0	No
Puget Sound Health Care, Seattle Medical Center	65,698	65,698	0	0	0	0	No
VISN 21: Sierra Pacific Network	199,694	199,694	0	0	0	0	No
Central California Health Care System	360	360	0	0	0	0	No
Northern California Health Care System	7,573	7,573	0	0	0	0	No
Pacific Islands Health Care System	1,119	1,119	0	0	0	0	No
Palo Alto Health Care System	112,440	112,440	0	0	0	0	No
San Francisco Health Care System	76,852	76,852	0	0	0	0	No
Sierra Nevada Health Care System	562	562	0	0	0	0	No
Southern Nevada Health Care System	787	787	0	0	0	0	No
VISN 22: Desert Pacific Health Care Network	166,353	166,353	0	0	0	0	No
Greater Los Angeles, West Los Angeles Medical Center	40,308	40,308	0	0	0	0	No
Loma Linda Health Care System	6,823	6,823	0	0	0	0	No
Long Beach Health Care System	12,020	12,020	0	0	0	0	No
New Mexico Health Care System	38,271	38,271	0	0	0	0	No
Phoenix Health Care System	4,820	4,820	0	0	0	0	No

Table 5. Federal facility expenditures for R&D performed by the facility, by source of funds: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Source of funds					Any public-private partnership funding[a]
		Federal government	State and local government	Businesses	Nonprofit organizations	All other organizations	
San Diego Health Care System	58,562	58,562	0	0	0	0	No
Southern Arizona Health Care System	5,549	5,549	0	0	0	0	No
VISN 23: Midwest Health Care Network	59,407	59,407	0	0	0	0	No
Fargo Health Care System	293	293	0	0	0	0	No
Minneapolis Health Care System	32,577	32,577	0	0	0	0	No
Nebraska-Western Iowa Health Care System	25,622	25,622	0	0	0	0	No
Sioux Falls Health Care System	871	871	0	0	0	0	No
St. Cloud Health Care	43	43	0	0	0	0	No
Other agencies	4,221,857	4,221,857	0	0	0	0	Yes
Environmental Protection Agency	324,660	324,660	0	0	0	0	Yes
Center for Computational Toxicology and Exposure	56,620	56,620	0	0	0	0	No
Center for Environmental Measurement and Modeling	87,706	87,706	0	0	0	0	No
Center for Environmental Solutions and Emergency Response	64,165	64,165	0	0	0	0	No
Center for Public Health and Environmental Assessment	92,644	92,644	0	0	0	0	No
Office of Science Advisor, Policy, and Engagement	23,525	23,525	0	0	0	0	Yes
Federal Trade Commission	834	834	0	0	0	0	No
Library of Congress	8,841 i	8,841 i	0 i	0 i	0 i	0 i	Not provided
National Aeronautics and Space Administration	3,719,172	3,719,172	0	0	0	0	Not provided
Ames Research Center	286,233	286,233	0	0	0	0	Not provided
Armstrong (Dryden) Flight Research Center	81,935	81,935	0	0	0	0	Not provided
Glenn Research Center	213,894	213,894	0	0	0	0	Not provided
Goddard Space Flight Center	1,057,584	1,057,584	0	0	0	0	Not provided
Johnson Space Center	484,227	484,227	0	0	0	0	Not provided
Kennedy Space Center	215,813	215,813	0	0	0	0	Not provided
Langley Research Center	254,335	254,335	0	0	0	0	Not provided
Marshall Space Flight Center	812,864	812,864	0	0	0	0	Not provided
NASA Headquarters	301,195	301,195	0	0	0	0	Not provided
Stennis Space Center	11,092	11,092	0	0	0	0	Not provided
Smithsonian Institution	168,350	168,350	0	0	0	0	No
Office of Academic, Interns, and Fellowship	1,195	1,195	0	0	0	0	No
Under Secretary for Finance and Administration	13,332	13,332	0	0	0	0	No
Information Technology	13,332	13,332	0	0	0	0	No
Under Secretary for Museums and Culture	39,086	39,086	0	0	0	0	No
Asian Pacific American Center	243	243	0	0	0	0	No
National Museum of African American History	9,671	9,671	0	0	0	0	No

Table 5. Federal facility expenditures for R&D performed by the facility, by source of funds: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	Source of funds					Any public-private partnership funding[a]
		Federal government	State and local government	Businesses	Nonprofit organizations	All other organizations	
National Museum of Asian Art	1,021	1,021	0	0	0	0	No
National Museum of African Art	1,101	1,101	0	0	0	0	No
National Museum of American History	10,022	10,022	0	0	0	0	No
National Museum of American Indian	8,422	8,422	0	0	0	0	No
National Museum of American Latino	1,442	1,442	0	0	0	0	No
National Portrait Gallery	1,441	1,441	0	0	0	0	No
National Postal Museum	277	277	0	0	0	0	No
Smithsonian American Art Museum	3,506	3,506	0	0	0	0	No
Smithsonian American Women's History Museum	1,940	1,940	0	0	0	0	No
Under Secretary for Science and Research	114,737	114,737	0	0	0	0	No
Museum Conservation Institute	1,735	1,735	0	0	0	0	No
National Air and Space Museum	7,853	7,853	0	0	0	0	No
National Museum of Natural History	27,611	27,611	0	0	0	0	No
National Zoological Park/ Smithsonian Conservation Biology Institute	8,183	8,183	0	0	0	0	No
Office of Global Affairs	2,234	2,234	0	0	0	0	No
Smithsonian Astrophysical Observatory	42,586	42,586	0	0	0	0	No
Smithsonian Environmental Research Center	5,762	5,762	0	0	0	0	No
Smithsonian Libraries and Archives	6,416	6,416	0	0	0	0	No
Smithsonian Tropical Research Institute	12,356	12,356	0	0	0	0	No

i = more than 50% of the estimate is imputed, including cases where there is only one facility listed and its data are imputed. NA = not available; imputed data not reported at this level.

[a] Not provided means the respondent did not provide a response to this question on the survey and no imputation was performed for this question.
[b] Naval Medical Research Command headquarters and its subfacilities responded separately to the survey. Data displayed for the Naval Medical Research Command include both the headquarters and listed subfacilities totals.

Source(s):
National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey, FY 2024.

Table 6. Federal facility expenditures for R&D performed by the facility, by funding agency: FY 2024

(Thousands of dollars)

Agency or facility	All federally funded R&D expenditures	Funding agency											
		Department of Agriculture	Department of Commerce	Department of Defense	Department of Energy	Department of Health and Human Services	Department of Homeland Security	Department of the Interior	Department of Transportation	Department of Veterans Affairs	Environmental Protection Agency	National Aeronautics and Space Administration	Other federal agencies
All agencies	48,472,544	1,239,234	1,615,434	20,000,233	176,053	4,498,408	49,712	406,978	116,093 i	1,772,292	341,050	3,746,605	14,510,451
Department of Agriculture	1,238,310	1,233,226	0	474	176	0	0	4,291	0	0	0	143	0
Agricultural Research Service	835,752	835,752	0	0	0	0	0	0	0	0	0	0	0
Midwest Area	131,193	131,193	0	0	0	0	0	0	0	0	0	0	0
Northeast Area	161,648	161,648	0	0	0	0	0	0	0	0	0	0	0
Pacific West Area	169,342	169,342	0	0	0	0	0	0	0	0	0	0	0
Plains Area	182,884	182,884	0	0	0	0	0	0	0	0	0	0	0
Southeast Area	190,685	190,685	0	0	0	0	0	0	0	0	0	0	0
Animal and Plant Health Inspection Service	40,904	40,146	0	474	0	0	0	284	0	0	0	0	0
Forest Pest Methods Laboratory	10,149	10,149	0	0	0	0	0	0	0	0	0	0	0
Insect Management and Molecular Diagnostics Laboratory	3,436	3,436	0	0	0	0	0	0	0	0	0	0	0
National Veterinary Services Laboratories/ Center for Veterinary Biologics	11,629	11,629	0	0	0	0	0	0	0	0	0	0	0
National Wildlife Research Center	9,472	8,714	0	474	0	0	0	284	0	0	0	0	0
Plant Pathogen Confirmatory Diagnostics Laboratory	5,723	5,723	0	0	0	0	0	0	0	0	0	0	0
Treatment and Inspection Methods Laboratory	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Economic Research Service	89,757	89,757	0	0	0	0	0	0	0	0	0	0	0
Forest Service	248,801	244,692	0	0	176	0	0	3,933	0	0	0	0	0
Forest Products Laboratory	20,336	20,189	0	0	147	0	0	0	0	0	0	0	0
International Institute of Tropical Forestry	5,214	5,214	0	0	0	0	0	0	0	0	0	0	0
Northern Research Station	49,518	48,252	0	0	0	0	0	1,266	0	0	0	0	0
Pacific Northwest Research Station	39,838	38,793	0	0	0	0	0	1,045	0	0	0	0	0
Pacific Southwest Research Station	18,776	18,776	0	0	0	0	0	0	0	0	0	0	0
Rocky Mountain Research Station	53,888	52,446	0	0	0	0	0	1,442	0	0	0	0	0
Southern Research Station	43,489	43,280	0	0	29	0	0	180	0	0	0	0	0
Washington Office Research and Development	17,742	17,742	0	0	0	0	0	0	0	0	0	0	0
National Agricultural Statistics Service	10,576	10,433	0	0	0	0	0	0	0	0	0	143	0
Natural Resources Conservation Service	12,519	12,445	0	0	0	0	0	74	0	0	0	0	0
Plant Materials Center	11,490	11,416	0	0	0	0	0	74	0	0	0	0	0
Soil Science Research Branch	1,029	1,029	0	0	0	0	0	0	0	0	0	0	0
Department of Commerce	1,658,700	5,806	1,606,617	3,265	8,108	1,984	497	4,668	2,992	0	17,234	1,363	6,165
Census Bureau	353,653	1,512	345,614	0	13	1,984	0	0	341	0	0	0	4,188
National Institute of Standards and Technology	788,920	0	788,920	0	0	0	0	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	505,688	4,294	461,644	3,264	8,095	0	497	4,668	2,651	0	17,234	1,363	1,977
National Environmental Satellite, Data, and Information Service	31,645	0	31,645	0	0	0	0	0	0	0	0	0	0
Center for Satellite Applications and Research	26,024	0	26,024	0	0	0	0	0	0	0	0	0	0

Table 6. Federal facility expenditures for R&D performed by the facility, by funding agency: FY 2024

(Thousands of dollars)

Agency or facility	All federally funded R&D expenditures	Funding agency											
		Department of Agriculture	Department of Commerce	Department of Defense	Department of Energy	Department of Health and Human Services	Department of Homeland Security	Department of the Interior	Department of Transportation	Department of Veterans Affairs	Environmental Protection Agency	National Aeronautics and Space Administration	Other federal agencies
National Centers for Environmental Information	5,621	0	5,621	0	0	0	0	0	0	0	0	0	0
National Marine Fisheries Service	47,941	4,294	34,919	1,112	3,887	0	0	2,775	0	0	768	3	183
Alaska Fisheries Science Center	10,959	0	10,959	0	0	0	0	0	0	0	0	0	0
Northeast Fisheries Science Center	8,257	0	5,947	366	0	0	0	1,382	0	0	376	3	183
Northwest Fisheries Science Center	9,253	0	4,273	650	3,887	0	0	51	0	0	392	0	0
Office of Protected Resources	212	0	212	0	0	0	0	0	0	0	0	0	0
Office of Science and Technology	959	0	959	0	0	0	0	0	0	0	0	0	0
Office of Sustainable Fisheries	625	0	625	0	0	0	0	0	0	0	0	0	0
Pacific Island Fisheries Science Center	4,570	4,294	276	0	0	0	0	0	0	0	0	0	0
Southeast Fisheries Science Center	6,753	0	6,551	11	0	0	0	191	0	0	0	0	0
Southwest Fisheries Science Center	6,353	0	5,117	85	0	0	0	1,151	0	0	0	0	0
National Ocean Service	72,525	0	63,677	1,469	54	0	497	1,430	0	0	5,317	81	0
Center for Operational Oceanographic Products and Services	2,383	0	1,554	829	0	0	0	0	0	0	0	0	0
National Centers for Coastal Ocean Science	50,813	0	47,665	640	54	0	0	1,357	0	0	1,016	81	0
National Geodetic Survey	7,125	0	7,125	0	0	0	0	0	0	0	0	0	0
Office for Coastal Management	6,040	0	2,470	0	0	0	0	0	0	0	3,570	0	0
Office of Response and Restoration	2,352	0	1,283	0	0	0	497	73	0	0	499	0	0
Office of the Coast Survey	3,811	0	3,580	0	0	0	0	0	0	0	231	0	0
National Weather Service	33,403	0	33,403	0	0	0	0	0	0	0	0	0	0
National Centers for Environmental Prediction	20,311	0	20,311	0	0	0	0	0	0	0	0	0	0
Office of Science and Technology Integration	13,092	0	13,092	0	0	0	0	0	0	0	0	0	0
Oceanic and Atmospheric Research	295,941	0	273,767	684	4,154	0	0	462	2,651	0	11,149	1,279	1,794
Air Resources Laboratory	12,291	0	9,306	125	2,860	0	0	0	0	0	0	0	0
Atlantic Oceanographic and Meteorological Laboratory	20,259	0	20,038	0	0	0	0	0	0	0	0	221	0
Chemical Sciences Laboratory	14,181	0	13,094	0	552	0	0	0	0	0	0	536	0
Climate Program Office	23,199	0	22,215	0	0	0	0	0	0	0	0	0	983
Earth System Research Laboratories	3,874	0	3,874	0	0	0	0	0	0	0	0	0	0
Geophysical Fluid Dynamics Laboratory	29,956	0	29,956	0	0	0	0	0	0	0	0	0	0
Global Monitoring Laboratory	20,188	0	20,188	0	0	0	0	0	0	0	0	0	0
Global Ocean Monitoring and Observing Program	21,851	0	21,851	0	0	0	0	0	0	0	0	0	0
Global Systems Laboratory	22,614	0	20,504	0	226	0	0	0	1,885	0	0	0	0
Great Lakes Environmental Research Laboratory	18,185	0	6,665	0	0	0	0	214	0	0	11,061	0	244
National Sea Grant College Program	2,809	0	1,446	177	225	0	0	249	185	0	88	0	440
National Severe Storms Laboratory	23,501	0	22,508	382	29	0	0	0	581	0	0	0	0
Ocean Acidification Program	2,309	0	2,309	0	0	0	0	0	0	0	0	0	0

Table 6. Federal facility expenditures for R&D performed by the facility, by funding agency: FY 2024

(Thousands of dollars)

Agency or facility	All federally funded R&D expenditures	Funding agency											
		Department of Agriculture	Department of Commerce	Department of Defense	Department of Energy	Department of Health and Human Services	Department of Homeland Security	Department of the Interior	Department of Transportation	Department of Veterans Affairs	Environmental Protection Agency	National Aeronautics and Space Administration	Other federal agencies
Office of Ocean Exploration and Research	10,414	0	10,414	0	0	0	0	0	0	0	0	0	0
Office of Research Transition and Application	3,794	0	3,794	0	0	0	0	0	0	0	0	0	0
Pacific Marine Environment Laboratory	24,213	0	23,773	0	0	0	0	0	0	0	0	439	0
Physical Sciences Laboratory	20,646	0	20,174	0	262	0	0	0	0	0	0	83	127
Weather Program Office	21,658	0	21,658	0	0	0	0	0	0	0	0	0	0
Office of Marine and Aviation Operations	24,232	0	24,232	0	0	0	0	0	0	0	0	0	0
National Oceanic and Atmospheric Administration Corps	24,232	0	24,232	0	0	0	0	0	0	0	0	0	0
National Telecommunications and Information Administration	10,439	0	10,439	0	0	0	0	0	0	0	0	0	0
Institute for Telecommunication Sciences	10,439	0	10,439	0	0	0	0	0	0	0	0	0	0
Department of Defense	34,524,456	202	8,816	19,995,304	117,899	18,647	27,666	1,820	813	731	777	25,927	14,325,854
Defense Information Systems Agency	63,979	0	0	63,979	0	0	0	0	0	0	0	0	0
Department of the Air Force	18,133,334	0	83	3,699,958	108,317	49	0	280	0	0	210	3,865	14,320,571
Air Combat Command	2,339	0	0	2,339	0	0	0	0	0	0	0	0	0
Air Education Training Command	1,235	0	0	1,235	0	0	0	0	0	0	0	0	0
Air Force - Manpower and Reserve Affairs	149	0	0	149	0	0	0	0	0	0	0	0	0
Air Force Global Strike Command	169	0	0	169	0	0	0	0	0	0	0	0	0
Air Force Operational Test and Evaluation	34,000	0	0	34,000	0	0	0	0	0	0	0	0	0
Air Force Transportation Command	23,623	0	0	23,623	0	0	0	0	0	0	0	0	0
HQ Air Force Materiel Command	15,748,731	0	83	1,424,794	34,172	49	0	280	0	0	0	3,865	14,285,487
Air Force Materiel Command (AFMC)	14,135,733	0	43	7,452	34,166	49	0	280	0	0	0	3,865	14,089,878
Air Force Research Lab - U.S. Air Force projects	1,612,998	0	40	1,417,342	6	0	0	0	0	0	0	0	195,610
Space Force	2,316,148	0	0	2,206,709	74,145	0	0	0	0	0	210	0	35,084
Air Force Research Lab - U.S. Space Force projects	216,170	0	0	181,087	0	0	0	0	0	0	0	0	35,084
Space Development Agency	41,852	0	0	41,852	0	0	0	0	0	0	0	0	0
Space Operations Command	91,918	0	0	91,918	0	0	0	0	0	0	0	0	0
Space Systems Command	1,966,208	0	0	1,891,853	74,145	0	0	0	0	0	210	0	0
U.S. Space Command	6,941	0	0	6,941	0	0	0	0	0	0	0	0	0
Department of the Army	5,051,760	97	309	5,008,018	1,990	16,503	17,521	1,444	336	474	405	1,595	3,069
Army Cyber Command	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Army Engineer Research and Development Center	750,690	97	309	724,881	1,990	97	17,311	1,444	336	474	405	1,563	1,783
Army Medical Research and Development Command	439,173	0	0	421,321	0	16,406	160	0	0	0	0	0	1,287
Army Research Institute for the Behavioral and Social Sciences	18,817	0	0	18,817	0	0	0	0	0	0	0	0	0
Combat Capabilities Development Command (DEVCOM)	3,555,511	0	0	3,555,511	0	0	0	0	0	0	0	0	0
Armaments Center	257,297	0	0	257,297	0	0	0	0	0	0	0	0	0
Army Research Laboratory	408,678	0	0	408,678	0	0	0	0	0	0	0	0	0

Table 6. Federal facility expenditures for R&D performed by the facility, by funding agency: FY 2024

(Thousands of dollars)

Agency or facility	All federally funded R&D expenditures	Funding agency											
		Department of Agriculture	Department of Commerce	Department of Defense	Department of Energy	Department of Health and Human Services	Department of Homeland Security	Department of the Interior	Department of Transportation	Department of Veterans Affairs	Environmental Protection Agency	National Aeronautics and Space Administration	Other federal agencies
Aviation and Missile Center	1,580,036	0	0	1,580,036	0	0	0	0	0	0	0	0	0
Chemical Biological Center	99,097	0	0	99,097	0	0	0	0	0	0	0	0	0
Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance Center	665,954	0	0	665,954	0	0	0	0	0	0	0	0	0
Data and Analysis Center	141,205	0	0	141,205	0	0	0	0	0	0	0	0	0
DEVCOM Headquarters	35,571	0	0	35,571	0	0	0	0	0	0	0	0	0
Ground Vehicle Systems Center	276,786	0	0	276,786	0	0	0	0	0	0	0	0	0
Soldier Center	90,887	0	0	90,887	0	0	0	0	0	0	0	0	0
Space and Missile Defense Command	85,158	0	0	85,077	0	0	49	0	0	0	0	32	0
Department of the Navy	7,240,575	104	8,425	7,188,540	7,592	2,095	10,146	96	478	257	162	20,466	2,213
Bureau of Medicine and Surgery	122,512	0	0	120,406	0	1,849	0	0	0	257	0	0	0
Naval Medical Research Command[a]	122,512	0	0	120,406	0	1,849	0	0	0	257	0	0	0
Naval Health Research Center	24,608	0	0	24,351	0	0	0	0	0	257	0	0	0
Naval Medical Research Unit - Dayton	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - INDO PACIFIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - San Antonio	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - South	10,407	0	0	8,559	0	1,849	0	0	0	0	0	0	0
Naval Submarine Medical Research Laboratory	9,085	0	0	9,085	0	0	0	0	0	0	0	0	0
Marine Corps	1,235	0	0	1,235	0	0	0	0	0	0	0	0	0
Naval Air Warfare Center Aircraft Division	1,052,239	0	0	1,050,111	0	0	2,128	0	0	0	0	0	0
Naval Air Warfare Center Weapon Division	821,934	0	0	821,934	0	0	0	0	0	0	0	0	0
Naval Facilities Engineering and Expeditionary Warfare Center	29,000	0	0	29,000	0	0	0	0	0	0	0	0	0
Naval Information Warfare Systems Command	636,194	0	0	636,194	0	0	0	0	0	0	0	0	0
Naval Information Warfare Center Atlantic	132,424	0	0	132,424	0	0	0	0	0	0	0	0	0
Naval Information Warfare Center Pacific	503,770	0	0	503,770	0	0	0	0	0	0	0	0	0
Naval Observatory	1,562	0	0	1,562	0	0	0	0	0	0	0	0	0
Naval Oceanographic Office	19,533	0	0	19,533	0	0	0	0	0	0	0	0	0
Naval Sea Systems Command Warfare Centers	3,841,229	0	0	3,836,403	0	0	4,826	0	0	0	0	0	0
Naval Surface Warfare Center	3,164,221	0	0	3,159,395	0	0	4,826	0	0	0	0	0	0
Naval Undersea Warfare Center	677,008	0	0	677,008	0	0	0	0	0	0	0	0	0
Office of Naval Research	715,137	104	8,425	672,163	7,592	247	3,192	96	478	0	162	20,466	2,213
Naval Research Laboratory	715,137	104	8,425	672,163	7,592	247	3,192	96	478	0	162	20,466	2,213
Missile Defense Agency	4,034,808	0	0	4,034,808	0	0	0	0	0	0	0	0	0
Department of Energy	49,252 i	0 i	0 i	0 i	49,252 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
National Energy Technology Laboratory	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 6. Federal facility expenditures for R&D performed by the facility, by funding agency: FY 2024

(Thousands of dollars)

Agency or facility	All federally funded R&D expenditures	Funding agency											
		Department of Agriculture	Department of Commerce	Department of Defense	Department of Energy	Department of Health and Human Services	Department of Homeland Security	Department of the Interior	Department of Transportation	Department of Veterans Affairs	Environmental Protection Agency	National Aeronautics and Space Administration	Other federal agencies
Department of Health and Human Services	4,486,070	0	0	1,191	86	4,476,747	0	0	14	7,591	234	0	208
Centers for Disease Control and Prevention	107,480	0	0	0	0	107,232	0	0	14	0	234	0	0
National Center for Emerging and Zoonotic Infectious Diseases	18,006	0	0	0	0	18,006	0	0	0	0	0	0	0
National Center for HIV, Viral Hepatitis, STD, and Tuberculosis Prevention	34,183	0	0	0	0	34,183	0	0	0	0	0	0	0
National Center on Birth Defects and Developmental Disabilities	243	0	0	0	0	243	0	0	0	0	0	0	0
National Institute for Occupational Safety and Health	55,047	0	0	0	0	54,800	0	0	14	0	234	0	0
Food and Drug Administration	331,624	0	0	279	0	331,345	0	0	0	0	0	0	0
Center for Biologics Evaluation and Research	68,934	0	0	0	0	68,934	0	0	0	0	0	0	0
Center for Devices and Radiological Health	46,666	0	0	279	0	46,387	0	0	0	0	0	0	0
Center for Drug Evaluation and Research	15,228	0	0	0	0	15,228	0	0	0	0	0	0	0
Center for Food Safety and Applied Nutrition	75,000	0	0	0	0	75,000	0	0	0	0	0	0	0
Center for Tobacco Products	0	0	0	0	0	0	0	0	0	0	0	0	0
Center for Veterinary Medicine	32,000	0	0	0	0	32,000	0	0	0	0	0	0	0
National Center for Toxicological Research	88,065	0	0	0	0	88,065	0	0	0	0	0	0	0
Office of Regulatory Affairs	4,135	0	0	0	0	4,135	0	0	0	0	0	0	0
Oncology Center of Excellence	1,596	0	0	0	0	1,596	0	0	0	0	0	0	0
National Institutes of Health	4,046,967	0	0	912	86	4,038,170	0	0	0	7,591	0	0	208
Clinical Center	693,747	0	0	0	0	689,330	0	0	0	4,416	0	0	0
Eunice Kennedy Shriver National Institute of Child Health and Human Development	243,920	0	0	0	0	243,920	0	0	0	0	0	0	0
National Cancer Institute	974,930	0	0	0	0	974,130	0	0	0	800	0	0	0
National Center for Advancing Translational Sciences	179,529	0	0	356	86	179,087	0	0	0	0	0	0	0
National Center for Complementary and Integrative Health	5,302	0	0	0	0	5,302	0	0	0	0	0	0	0
National Eye Institute	114,468	0	0	0	0	114,468	0	0	0	0	0	0	0
National Heart, Lung, and Blood Institute	189,805	0	0	0	0	189,805	0	0	0	0	0	0	0
National Human Genome Research Institute	160,120	0	0	0	0	160,120	0	0	0	0	0	0	0
National Institute of Allergy and Infectious Diseases	535,170	0	0	555	0	534,407	0	0	0	0	0	0	208
National Institute of Arthritis and Musculoskeletal and Skin Diseases	66,634	0	0	0	0	66,634	0	0	0	0	0	0	0
National Institute of Biomedical Imaging and Bioengineering	7,900	0	0	0	0	7,900	0	0	0	0	0	0	0
National Institute of Dental and Craniofacial Research	78,988	0	0	0	0	78,988	0	0	0	0	0	0	0
National Institute of Diabetes and Digestive and Kidney Diseases	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Environmental Health Sciences	140,614	0	0	0	0	140,614	0	0	0	0	0	0	0
National Institute of Mental Health	663	0	0	0	0	663	0	0	0	0	0	0	0
National Institute of Neurological Disorders and Stroke	223,979	0	0	0	0	221,605	0	0	0	2,374	0	0	0
National Institute of Nursing Research	11,353	0	0	0	0	11,353	0	0	0	0	0	0	0

Table 6. Federal facility expenditures for R&D performed by the facility, by funding agency: FY 2024

(Thousands of dollars)

Agency or facility	All federally funded R&D expenditures	Funding agency											
		Department of Agriculture	Department of Commerce	Department of Defense	Department of Energy	Department of Health and Human Services	Department of Homeland Security	Department of the Interior	Department of Transportation	Department of Veterans Affairs	Environmental Protection Agency	National Aeronautics and Space Administration	Other federal agencies
National Institute on Aging	7,183	0	0	0	0	7,183	0	0	0	0	0	0	0
National Institute on Alcohol Abuse and Alcoholism	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute on Deafness and Other Communication Disorders	33,827	0	0	0	0	33,827	0	0	0	0	0	0	0
National Institute on Drug Abuse	66,890	0	0	0	0	66,890	0	0	0	0	0	0	0
National Institute on Minority Health and Health Disparities	13,897	0	0	0	0	13,897	0	0	0	0	0	0	0
National Library of Medicine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Homeland Security	21,908	0	0	0	0	0	21,549	359	0	0	0	0	0
Coast Guard	2,207	0	0	0	0	0	1,848	359	0	0	0	0	0
Acquisition Directorate, Research and Development Center	2,207	0	0	0	0	0	1,848	359	0	0	0	0	0
Science and Technology Directorate	19,701	0	0	0	0	0	19,701	0	0	0	0	0	0
Office of National Laboratories	19,701	0	0	0	0	0	19,701	0	0	0	0	0	0
Chemical Security Analysis Center	4,393	0	0	0	0	0	4,393	0	0	0	0	0	0
National Urban Security Technology Laboratory	4,073	0	0	0	0	0	4,073	0	0	0	0	0	0
Plum Island Animal Disease Center	1,235	0	0	0	0	0	1,235	0	0	0	0	0	0
Transportation Security Laboratory	10,000	0	0	0	0	0	10,000	0	0	0	0	0	0
Department of the Interior	395,747	0	0	0	0	0	0	395,747	0	0	0	0	0
Bureau of Land Management	60	0	0	0	0	0	0	60	0	0	0	0	0
Bureau of Reclamation	13,917	0	0	0	0	0	0	13,917	0	0	0	0	0
Fish and Wildlife Service	1,843	0	0	0	0	0	0	1,843	0	0	0	0	0
Geological Survey	378,123	0	0	0	0	0	0	378,123	0	0	0	0	0
Core Science Systems Mission Area	30,369	0	0	0	0	0	0	30,369	0	0	0	0	0
Ecosystems Mission Area	170,341	0	0	0	0	0	0	170,341	0	0	0	0	0
Energy and Minerals Mission Area	40,637	0	0	0	0	0	0	40,637	0	0	0	0	0
Natural Hazards Mission Area	77,159	0	0	0	0	0	0	77,159	0	0	0	0	0
Water Resources Mission Area	59,617	0	0	0	0	0	0	59,617	0	0	0	0	0
National Park Service	1,803	0	0	0	0	0	0	1,803	0	0	0	0	0
Department of Transportation	112,273 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	112,273 i	0 i	0 i	0 i	0 i
Federal Aviation Administration	45,899 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	45,899 i	0 i	0 i	0 i	0 i
Office of Aerospace Medicine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of NextGen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Federal Highway Administration	12,190	0 i	0 i	0 i	0 i	0 i	0 i	0 i	12,190 i	0 i	0 i	0 i	0 i
Intelligence Transportation Systems Joint Program Office	3	0 i	0 i	0 i	0 i	0 i	0 i	0 i	3 i	0 i	0 i	0 i	0 i
Office of Administrations	11,000	0 i	0 i	0 i	0 i	0 i	0 i	0 i	11,000 i	0 i	0 i	0 i	0 i
Office of Operations	3	0 i	0 i	0 i	0 i	0 i	0 i	0 i	3 i	0 i	0 i	0 i	0 i
Office of Planning	5	0 i	0 i	0 i	0 i	0 i	0 i	0 i	5 i	0 i	0 i	0 i	0 i

Table 6. Federal facility expenditures for R&D performed by the facility, by funding agency: FY 2024

(Thousands of dollars)

Agency or facility	All federally funded R&D expenditures	Funding agency										
		Department of Agriculture	Department of Commerce	Department of Defense	Department of Energy	Department of Health and Human Services	Department of Homeland Security	Department of the Interior	Department of Transportation	Department of Veterans Affairs	Environmental Protection Agency	National Aeronautics and Space Administration	Other federal agencies
Office of Research, Development, and Technology	1,179	0 i	0 i	0 i	0 i	0 i	0 i	0 i	1,179 i	0 i	0 i	0 i	0 i
National Highway Traffic Safety Administration	38,909	0	0	0	0	0	0	0	38,909	0	0	0	0
Office of Vehicle Safety Research	38,909	0	0	0	0	0	0	0	38,909	0	0	0	0
Vehicle Research and Test Center	38,909	0	0	0	0	0	0	0	38,909	0	0	0	0
Office of the Secretary for Research and Technology	15,275 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	15,275 i	0 i	0 i	0 i	0 i
John A. Volpe National Transportation Systems Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Veterans Affairs	1,763,971	0	0	0	0	0	0	0	0	1,763,971	0	0	0
Office of Research and Development Central Office	93,131	0	0	0	0	0	0	0	0	93,131	0	0	0
Veterans Integrated Services Network (VISN) 1: New England Health Care System	270,225	0	0	0	0	0	0	0	0	270,225	0	0	0
Bedford Health Care System	15,736	0	0	0	0	0	0	0	0	15,736	0	0	0
Boston Health Care System, Jamaica Plain Campus	177,871	0	0	0	0	0	0	0	0	177,871	0	0	0
Central Western Massachusetts Health Care	1,433	0	0	0	0	0	0	0	0	1,433	0	0	0
Connecticut Health Care System, West Haven Medical Center	44,863	0	0	0	0	0	0	0	0	44,863	0	0	0
Manchester Medical Center	188	0	0	0	0	0	0	0	0	188	0	0	0
Providence Medical Center	21,665	0	0	0	0	0	0	0	0	21,665	0	0	0
Togus Maine Health Care System	279	0	0	0	0	0	0	0	0	279	0	0	0
White River Junction Medical Center	8,189	0	0	0	0	0	0	0	0	8,189	0	0	0
VISN 2: New York/ New Jersey Veterans Health Care Network	69,701	0	0	0	0	0	0	0	0	69,701	0	0	0
Bronx Health Care, James J. Peters Medical Center	35,415	0	0	0	0	0	0	0	0	35,415	0	0	0
New Jersey Health Care	6,357	0	0	0	0	0	0	0	0	6,357	0	0	0
New York Harbor Health Care	9,496	0	0	0	0	0	0	0	0	9,496	0	0	0
Northport Medical Center	4,905	0	0	0	0	0	0	0	0	4,905	0	0	0
Western New York Health Care, Buffalo Medical Center	13,528	0	0	0	0	0	0	0	0	13,528	0	0	0
VISN 4: Health Care	52,200	0	0	0	0	0	0	0	0	52,200	0	0	0
Coatesville Medical Center	288	0	0	0	0	0	0	0	0	288	0	0	0
Philadelphia Health Care, Corporal Michael J. Crescenz Medical Center	21,933	0	0	0	0	0	0	0	0	21,933	0	0	0
Pittsburgh Medical Center-University Drive	29,980	0	0	0	0	0	0	0	0	29,980	0	0	0
VISN 5: Capitol Health Care Network	50,089	0	0	0	0	0	0	0	0	50,089	0	0	0
Huntington Health Care, Hershel (Woody) Williams Medical Center	1,434	0	0	0	0	0	0	0	0	1,434	0	0	0
Maryland Health Care, Baltimore Medical Center	36,010	0	0	0	0	0	0	0	0	36,010	0	0	0
Washington DC Health Care, Washington Medical Center	12,645	0	0	0	0	0	0	0	0	12,645	0	0	0
VISN 6: Mid-Atlantic Health Care Network	67,983	0	0	0	0	0	0	0	0	67,983	0	0	0
Asheville Health Care, Charles George Medical Center	1,577	0	0	0	0	0	0	0	0	1,577	0	0	0
Durham Medical Center	37,821	0	0	0	0	0	0	0	0	37,821	0	0	0

Table 6. Federal facility expenditures for R&D performed by the facility, by funding agency: FY 2024

(Thousands of dollars)

Agency or facility	All federally funded R&D expenditures	Funding agency											
		Department of Agriculture	Department of Commerce	Department of Defense	Department of Energy	Department of Health and Human Services	Department of Homeland Security	Department of the Interior	Department of Transportation	Department of Veterans Affairs	Environmental Protection Agency	National Aeronautics and Space Administration	Other federal agencies
Hampton Medical Center	438	0	0	0	0	0	0	0	0	438	0	0	0
Richmond Health Care, Hunter Holmes McGuire Hospital	21,184	0	0	0	0	0	0	0	0	21,184	0	0	0
Salem Medical Center	3,628	0	0	0	0	0	0	0	0	3,628	0	0	0
Salisbury Health Care, W.G. (Bill) Hefner Salisbury Medical Center	3,335	0	0	0	0	0	0	0	0	3,335	0	0	0
VISN 7: Southeast Network	98,927	0	0	0	0	0	0	0	0	98,927	0	0	0
Atlanta Medical Center	38,529	0	0	0	0	0	0	0	0	38,529	0	0	0
Augusta Health Care, Charlie Norwood Medical Center	4,726	0	0	0	0	0	0	0	0	4,726	0	0	0
Birmingham Medical Center	11,682	0	0	0	0	0	0	0	0	11,682	0	0	0
Charleston Health Care, Ralph H. Johnson Medical Center	36,283	0	0	0	0	0	0	0	0	36,283	0	0	0
Columbia South Carolina Health Care, William Jennings Bryan Dorn Medical Center	4,978	0	0	0	0	0	0	0	0	4,978	0	0	0
Tuscaloosa Medical Center	2,730	0	0	0	0	0	0	0	0	2,730	0	0	0
VISN 8: Sunshine Health Care Network	44,454	0	0	0	0	0	0	0	0	44,454	0	0	0
Bay Pines Health Care System	2,768	0	0	0	0	0	0	0	0	2,768	0	0	0
Caribbean Health Care System	614	0	0	0	0	0	0	0	0	614	0	0	0
Miami Health Care System	14,775	0	0	0	0	0	0	0	0	14,775	0	0	0
North Florida/ South Georgia Health Care System	12,859	0	0	0	0	0	0	0	0	12,859	0	0	0
Orlando Medical Center	661	0	0	0	0	0	0	0	0	661	0	0	0
Tampa Health Care, James A. Haley Veterans' Hospital	12,776	0	0	0	0	0	0	0	0	12,776	0	0	0
VISN 9: MidSouth Health Care Network	58,093	0	0	0	0	0	0	0	0	58,093	0	0	0
Lexington Medical Center (Troy Bowling Campus)	4,586	0	0	0	0	0	0	0	0	4,586	0	0	0
Louisville Health Care, Robley Rex Medical Center	2,358	0	0	0	0	0	0	0	0	2,358	0	0	0
Memphis Medical Center	9,892	0	0	0	0	0	0	0	0	9,892	0	0	0
Mountain Home Health Care, James H. Quillen Medical Center	2,468	0	0	0	0	0	0	0	0	2,468	0	0	0
Tennessee Valley Health Care, Nashville Medical Center	38,789	0	0	0	0	0	0	0	0	38,789	0	0	0
VISN 10: Health Care System	114,036	0	0	0	0	0	0	0	0	114,036	0	0	0
Ann Arbor Health Care System	38,667	0	0	0	0	0	0	0	0	38,667	0	0	0
Battle Creek Medical Center	72	0	0	0	0	0	0	0	0	72	0	0	0
Cincinnati Medical Center	8,006	0	0	0	0	0	0	0	0	8,006	0	0	0
Dayton Medical Center	1,409	0	0	0	0	0	0	0	0	1,409	0	0	0
Detroit Health Care, John D. Dingell Medical Center	7,167	0	0	0	0	0	0	0	0	7,167	0	0	0
Indiana Health Care, Richard L. Roudebush Medical Center	25,312	0	0	0	0	0	0	0	0	25,312	0	0	0
Northeast Ohio Health Care, Louis Stokes Cleveland Medical Center	33,402	0	0	0	0	0	0	0	0	33,402	0	0	0
VISN 12: Great Lakes Health Care System	82,101	0	0	0	0	0	0	0	0	82,101	0	0	0
Chicago Health Care, Jesse Brown Medical Center	21,999	0	0	0	0	0	0	0	0	21,999	0	0	0

Table 6. Federal facility expenditures for R&D performed by the facility, by funding agency: FY 2024

(Thousands of dollars)

Agency or facility	All federally funded R&D expenditures	Funding agency											
		Department of Agriculture	Department of Commerce	Department of Defense	Department of Energy	Department of Health and Human Services	Department of Homeland Security	Department of the Interior	Department of Transportation	Department of Veterans Affairs	Environmental Protection Agency	National Aeronautics and Space Administration	Other federal agencies
Hines Health Care, Edward Hines Junior Hospital	33,940	0	0	0	0	0	0	0	0	33,940	0	0	0
Madison Health Care, William S. Middleton Memorial Veterans' Hospital	17,377	0	0	0	0	0	0	0	0	17,377	0	0	0
Milwaukee Health Care, Clement J. Zablocki Medical Center	8,785	0	0	0	0	0	0	0	0	8,785	0	0	0
VISN 15: Heartland Health Care Network	21,488	0	0	0	0	0	0	0	0	21,488	0	0	0
Kansas City Medical Center	11,833	0	0	0	0	0	0	0	0	11,833	0	0	0
St. Louis Health Care, John J. Cochran Veterans Hospital	9,656	0	0	0	0	0	0	0	0	9,656	0	0	0
VISN 16: South Central Health Care Network	51,791	0	0	0	0	0	0	0	0	51,791	0	0	0
Central Arkansas Health Care, Eugene J. Towbin Health Care Center	13,361	0	0	0	0	0	0	0	0	13,361	0	0	0
Houston Health Care, Michael E. DeBakey Medical Center	29,915	0	0	0	0	0	0	0	0	29,915	0	0	0
Jackson Health Care, G.V. (Sonny) Montgomery Medical Center	918	0	0	0	0	0	0	0	0	918	0	0	0
Shreveport Health Care, Overton Brooks Medical Center	559	0	0	0	0	0	0	0	0	559	0	0	0
Southeast Louisiana Health Care System	7,038	0	0	0	0	0	0	0	0	7,038	0	0	0
VISN 17: Heart of Texas Health Care Network	29,841	0	0	0	0	0	0	0	0	29,841	0	0	0
Central Texas Health Care	3,673	0	0	0	0	0	0	0	0	3,673	0	0	0
North Texas, Dallas Medical Center	8,563	0	0	0	0	0	0	0	0	8,563	0	0	0
South Texas Health Care	17,606	0	0	0	0	0	0	0	0	17,606	0	0	0
VISN 19: Rocky Mountain Network	113,261	0	0	0	0	0	0	0	0	113,261	0	0	0
Eastern Colorado, Rocky Mountain Regional Medical Center	38,978	0	0	0	0	0	0	0	0	38,978	0	0	0
Eastern Oklahoma, Jack C. Montgomery Medical Center	417	0	0	0	0	0	0	0	0	417	0	0	0
Oklahoma City Medical Center	10,079	0	0	0	0	0	0	0	0	10,079	0	0	0
Salt Lake City Health Care	63,786	0	0	0	0	0	0	0	0	63,786	0	0	0
VISN 20: Northwest Network	121,196	0	0	0	0	0	0	0	0	121,196	0	0	0
Boise Medical Center	3,572	0	0	0	0	0	0	0	0	3,572	0	0	0
Portland Health Care System	51,926	0	0	0	0	0	0	0	0	51,926	0	0	0
Puget Sound Health Care, Seattle Medical Center	65,698	0	0	0	0	0	0	0	0	65,698	0	0	0
VISN 21: Sierra Pacific Network	199,694	0	0	0	0	0	0	0	0	199,694	0	0	0
Central California Health Care System	360	0	0	0	0	0	0	0	0	360	0	0	0
Northern California Health Care System	7,573	0	0	0	0	0	0	0	0	7,573	0	0	0
Pacific Islands Health Care System	1,119	0	0	0	0	0	0	0	0	1,119	0	0	0
Palo Alto Health Care System	112,440	0	0	0	0	0	0	0	0	112,440	0	0	0
San Francisco Health Care System	76,852	0	0	0	0	0	0	0	0	76,852	0	0	0
Sierra Nevada Health Care System	562	0	0	0	0	0	0	0	0	562	0	0	0
Southern Nevada Health Care System	787	0	0	0	0	0	0	0	0	787	0	0	0
VISN 22: Desert Pacific Health Care Network	166,353	0	0	0	0	0	0	0	0	166,353	0	0	0
Greater Los Angeles, West Los Angeles Medical Center	40,308	0	0	0	0	0	0	0	0	40,308	0	0	0

Table 6. Federal facility expenditures for R&D performed by the facility, by funding agency: FY 2024

(Thousands of dollars)

Agency or facility	All federally funded R&D expenditures	Funding agency											
		Department of Agriculture	Department of Commerce	Department of Defense	Department of Energy	Department of Health and Human Services	Department of Homeland Security	Department of the Interior	Department of Transportation	Department of Veterans Affairs	Environmental Protection Agency	National Aeronautics and Space Administration	Other federal agencies
Loma Linda Health Care System	6,823	0	0	0	0	0	0	0	0	6,823	0	0	0
Long Beach Health Care System	12,020	0	0	0	0	0	0	0	0	12,020	0	0	0
New Mexico Health Care System	38,271	0	0	0	0	0	0	0	0	38,271	0	0	0
Phoenix Health Care System	4,820	0	0	0	0	0	0	0	0	4,820	0	0	0
San Diego Health Care System	58,562	0	0	0	0	0	0	0	0	58,562	0	0	0
Southern Arizona Health Care System	5,549	0	0	0	0	0	0	0	0	5,549	0	0	0
VISN 23: Midwest Health Care Network	59,407	0	0	0	0	0	0	0	0	59,407	0	0	0
Fargo Health Care System	293	0	0	0	0	0	0	0	0	293	0	0	0
Minneapolis Health Care System	32,577	0	0	0	0	0	0	0	0	32,577	0	0	0
Nebraska-Western Iowa Health Care System	25,622	0	0	0	0	0	0	0	0	25,622	0	0	0
Sioux Falls Health Care System	871	0	0	0	0	0	0	0	0	871	0	0	0
St. Cloud Health Care	43	0	0	0	0	0	0	0	0	43	0	0	0
Other agencies	4,221,857	0	0	0	532	1,030	0	94	0	0	322,805	3,719,172	178,225
Environmental Protection Agency	324,660	0	0	0	532	1,030	0	94	0	0	322,805	0	200
Center for Computational Toxicology and Exposure	56,620	0	0	0	0	0	0	10	0	0	56,410	0	200
Center for Environmental Measurement and Modeling	87,706	0	0	0	0	0	0	47	0	0	87,660	0	0
Center for Environmental Solutions and Emergency Response	64,165	0	0	0	532	0	0	0	0	0	63,633	0	0
Center for Public Health and Environmental Assessment	92,644	0	0	0	0	0	0	37	0	0	92,607	0	0
Office of Science Advisor, Policy, and Engagement	23,525	0	0	0	0	1,030	0	0	0	0	22,495	0	0
Federal Trade Commission	834	0	0	0	0	0	0	0	0	0	0	0	834
Library of Congress	8,841 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	8,841 i
National Aeronautics and Space Administration	3,719,172	0	0	0	0	0	0	0	0	0	0	3,719,172	0
Ames Research Center	286,233	0	0	0	0	0	0	0	0	0	0	286,233	0
Armstrong (Dryden) Flight Research Center	81,935	0	0	0	0	0	0	0	0	0	0	81,935	0
Glenn Research Center	213,894	0	0	0	0	0	0	0	0	0	0	213,894	0
Goddard Space Flight Center	1,057,584	0	0	0	0	0	0	0	0	0	0	1,057,584	0
Johnson Space Center	484,227	0	0	0	0	0	0	0	0	0	0	484,227	0
Kennedy Space Center	215,813	0	0	0	0	0	0	0	0	0	0	215,813	0
Langley Research Center	254,335	0	0	0	0	0	0	0	0	0	0	254,335	0
Marshall Space Flight Center	812,864	0	0	0	0	0	0	0	0	0	0	812,864	0
NASA Headquarters	301,195	0	0	0	0	0	0	0	0	0	0	301,195	0
Stennis Space Center	11,092	0	0	0	0	0	0	0	0	0	0	11,092	0
Smithsonian Institution	168,350	0	0	0	0	0	0	0	0	0	0	0	168,350
Office of Academic, Interns, and Fellowship	1,195	0	0	0	0	0	0	0	0	0	0	0	1,195
Under Secretary for Finance and Administration	13,332	0	0	0	0	0	0	0	0	0	0	0	13,332

Table 6. Federal facility expenditures for R&D performed by the facility, by funding agency: FY 2024

(Thousands of dollars)

Agency or facility	All federally funded R&D expenditures	Funding agency											
		Department of Agriculture	Department of Commerce	Department of Defense	Department of Energy	Department of Health and Human Services	Department of Homeland Security	Department of the Interior	Department of Transportation	Department of Veterans Affairs	Environmental Protection Agency	National Aeronautics and Space Administration	Other federal agencies
Information Technology	13,332	0	0	0	0	0	0	0	0	0	0	0	13,332
Under Secretary for Museums and Culture	39,086	0	0	0	0	0	0	0	0	0	0	0	39,086
Asian Pacific American Center	243	0	0	0	0	0	0	0	0	0	0	0	243
National Museum of African American History	9,671	0	0	0	0	0	0	0	0	0	0	0	9,671
National Museum of Asian Art	1,021	0	0	0	0	0	0	0	0	0	0	0	1,021
National Museum of African Art	1,101	0	0	0	0	0	0	0	0	0	0	0	1,101
National Museum of American History	10,022	0	0	0	0	0	0	0	0	0	0	0	10,022
National Museum of American Indian	8,422	0	0	0	0	0	0	0	0	0	0	0	8,422
National Museum of American Latino	1,442	0	0	0	0	0	0	0	0	0	0	0	1,442
National Portrait Gallery	1,441	0	0	0	0	0	0	0	0	0	0	0	1,441
National Postal Museum	277	0	0	0	0	0	0	0	0	0	0	0	277
Smithsonian American Art Museum	3,506	0	0	0	0	0	0	0	0	0	0	0	3,506
Smithsonian American Women's History Museum	1,940	0	0	0	0	0	0	0	0	0	0	0	1,940
Under Secretary for Science and Research	114,737	0	0	0	0	0	0	0	0	0	0	0	114,737
Museum Conservation Institute	1,735	0	0	0	0	0	0	0	0	0	0	0	1,735
National Air and Space Museum	7,853	0	0	0	0	0	0	0	0	0	0	0	7,853
National Museum of Natural History	27,611	0	0	0	0	0	0	0	0	0	0	0	27,611
National Zoological Park/ Smithsonian Conservation Biology Institute	8,183	0	0	0	0	0	0	0	0	0	0	0	8,183
Office of Global Affairs	2,234	0	0	0	0	0	0	0	0	0	0	0	2,234
Smithsonian Astrophysical Observatory	42,586	0	0	0	0	0	0	0	0	0	0	0	42,586
Smithsonian Environmental Research Center	5,762	0	0	0	0	0	0	0	0	0	0	0	5,762
Smithsonian Libraries and Archives	6,416	0	0	0	0	0	0	0	0	0	0	0	6,416
Smithsonian Tropical Research Institute	12,356	0	0	0	0	0	0	0	0	0	0	0	12,356

i = more than 50% of the estimate is imputed, including cases where there is only one facility listed and its data are imputed. NA = not available; imputed data not reported at this level.

[a] Naval Medical Research Command headquarters and its subfacilities responded separately to the survey. Data displayed for the Naval Medical Research Command include both the headquarters and listed subfacilities totals.

Source(s):
National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey, FY 2024.

Table 7. Federal facility expenditures for R&D performed by the facility, by R&D field: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
All agencies	49,095,133	905,491 i	7,810,944	1,798,770	1,299,065	120,181	2,168,551	40,405	463,885	20,323,897	14,163,944
Department of Agriculture	1,248,585	651,193 i	325,961 i	11,554	3,310 i	4,571 i	63,852 i	0 i	93,457	8,429 i	86,259 i
Agricultural Research Service	835,752	373,945 i	317,080 i	978 i	3,310 i	0 i	48,290 i	0 i	1,805 i	6,770 i	83,575 i
Midwest Area	131,193	58,701 i	49,774 i	153 i	520 i	0 i	7,580 i	0 i	283 i	1,063 i	13,119 i
Northeast Area	161,648	72,327 i	61,329 i	189 i	640 i	0 i	9,340 i	0 i	349 i	1,309 i	16,165 i
Pacific West Area	169,342	75,769 i	64,247 i	198 i	671 i	0 i	9,785 i	0 i	366 i	1,372 i	16,934 i
Plains Area	182,884	81,829 i	69,385 i	214 i	724 i	0 i	10,567 i	0 i	395 i	1,481 i	18,288 i
Southeast Area	190,685	85,319 i	72,345 i	223 i	755 i	0 i	11,018 i	0 i	412 i	1,545 i	19,068 i
Animal and Plant Health Inspection Service	47,219	32,497	8,881	0	0	631	631	0	1,894	0	2,684
Forest Pest Methods Laboratory	10,149	10,149	0	0	0	0	0	0	0	0	0
Insect Management and Molecular Diagnostics Laboratory	3,436	3,436	0	0	0	0	0	0	0	0	0
National Veterinary Services Laboratories/ Center for Veterinary Biologics	11,629	11,629	0	0	0	0	0	0	0	0	0
National Wildlife Research Center	15,787	6,788	3,157	0	0	631	631	0	1,894	0	2,684
Plant Pathogen Confirmatory Diagnostics Laboratory	5,723	0	5,723	0	0	0	0	0	0	0	0
Treatment and Inspection Methods Laboratory	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Economic Research Service	89,757	0	0	0	0	0	0	0	89,757	0	0
Forest Service	252,761	232,231 i	0 i	0 i	0 i	3,940 i	14,931 i	0 i	0 i	1,659 i	0 i
Forest Products Laboratory	20,737	207 i	0 i	0 i	0 i	3,940 i	14,931 i	0 i	0 i	1,659 i	0 i
International Institute of Tropical Forestry	5,261	5,261 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Northern Research Station	50,270	50,270 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Pacific Northwest Research Station	40,421	40,421 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Pacific Southwest Research Station	19,484	19,484 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Rocky Mountain Research Station	54,753	54,753 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Southern Research Station	43,699	43,699 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Washington Office Research and Development	18,136	18,136 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
National Agricultural Statistics Service	10,576	0	0	10,576	0	0	0	0	0	0	0
Natural Resources Conservation Service	12,519	12,519	0	0	0	0	0	0	0	0	0
Plant Materials Center	11,490	11,490	0	0	0	0	0	0	0	0	0
Soil Science Research Branch	1,029	1,029	0	0	0	0	0	0	0	0	0
Department of Commerce	1,663,108	36,168	48,471	264,095	476,968	26,715	267,150	27	260,813	257,725	24,976
Census Bureau	355,462	0	0	73,090	0	22,678	0	27	259,507	0	159
National Institute of Standards and Technology	788,920	0	43,931	178,983	12,006	3,964	267,150	0	374	257,725	24,786
National Oceanic and Atmospheric Administration	508,287	36,168	4,539	1,582	464,962	73	0	0	932	0	31

Table 7. Federal facility expenditures for R&D performed by the facility, by R&D field: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
National Environmental Satellite, Data, and Information Service	31,645	0	0	0	31,645	0	0	0	0	0	0
Center for Satellite Applications and Research	26,024	0	0	0	26,024	0	0	0	0	0	0
National Centers for Environmental Information	5,621	0	0	0	5,621	0	0	0	0	0	0
National Marine Fisheries Service	48,840	36,168	4,539	1,582	6,241	73	0	0	206	0	31
Alaska Fisheries Science Center	10,959	10,959	0	0	0	0	0	0	0	0	0
Northeast Fisheries Science Center	8,355	8,260	0	0	0	0	0	0	95	0	0
Northwest Fisheries Science Center	9,839	3,141	4,529	584	1,511	73	0	0	0	0	0
Office of Protected Resources	212	212	0	0	0	0	0	0	0	0	0
Office of Science and Technology	959	0	0	959	0	0	0	0	0	0	0
Office of Sustainable Fisheries	625	615	0	0	0	0	0	0	10	0	0
Pacific Island Fisheries Science Center	4,730	0	0	0	4,730	0	0	0	0	0	0
Southeast Fisheries Science Center	6,754	6,574	10	38	0	0	0	0	101	0	31
Southwest Fisheries Science Center	6,408	6,408	0	0	0	0	0	0	0	0	0
National Ocean Service	73,898	0	0	0	73,898	0	0	0	0	0	0
Center for Operational Oceanographic Products and Services	2,383	0	0	0	2,383	0	0	0	0	0	0
National Centers for Coastal Ocean Science	52,173	0	0	0	52,173	0	0	0	0	0	0
National Geodetic Survey	7,138	0	0	0	7,138	0	0	0	0	0	0
Office for Coastal Management	6,040	0	0	0	6,040	0	0	0	0	0	0
Office of Response and Restoration	2,352	0	0	0	2,352	0	0	0	0	0	0
Office of the Coast Survey	3,811	0	0	0	3,811	0	0	0	0	0	0
National Weather Service	33,403	0	0	0	32,677	0	0	0	726	0	0
National Centers for Environmental Prediction	20,311	0	0	0	20,311	0	0	0	0	0	0
Office of Science and Technology Integration	13,092	0	0	0	12,366	0	0	0	726	0	0
Oceanic and Atmospheric Research	296,268	0	0	0	296,268	0	0	0	0	0	0
Air Resources Laboratory	12,291	0	0	0	12,291	0	0	0	0	0	0
Atlantic Oceanographic and Meteorological Laboratory	20,259	0	0	0	20,259	0	0	0	0	0	0
Chemical Sciences Laboratory	14,181	0	0	0	14,181	0	0	0	0	0	0
Climate Program Office	23,199	0	0	0	23,199	0	0	0	0	0	0
Earth System Research Laboratories	3,874	0	0	0	3,874	0	0	0	0	0	0
Geophysical Fluid Dynamics Laboratory	29,956	0	0	0	29,956	0	0	0	0	0	0
Global Monitoring Laboratory	20,188	0	0	0	20,188	0	0	0	0	0	0
Global Ocean Monitoring and Observing Program	21,851	0	0	0	21,851	0	0	0	0	0	0
Global Systems Laboratory	22,614	0	0	0	22,614	0	0	0	0	0	0

Table 7. Federal facility expenditures for R&D performed by the facility, by R&D field: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Great Lakes Environmental Research Laboratory	18,185	0	0	0	18,185	0	0	0	0	0	0
National Sea Grant College Program	3,136	0	0	0	3,136	0	0	0	0	0	0
National Severe Storms Laboratory	23,501	0	0	0	23,501	0	0	0	0	0	0
Ocean Acidification Program	2,309	0	0	0	2,309	0	0	0	0	0	0
Office of Ocean Exploration and Research	10,414	0	0	0	10,414	0	0	0	0	0	0
Office of Research Transition and Application	3,794	0	0	0	3,794	0	0	0	0	0	0
Pacific Marine Environment Laboratory	24,213	0	0	0	24,213	0	0	0	0	0	0
Physical Sciences Laboratory	20,646	0	0	0	20,646	0	0	0	0	0	0
Weather Program Office	21,658	0	0	0	21,658	0	0	0	0	0	0
Office of Marine and Aviation Operations	24,232	0	0	0	24,232	0	0	0	0	0	0
National Oceanic and Atmospheric Administration Corps	24,232	0	0	0	24,232	0	0	0	0	0	0
National Telecommunications and Information Administration	10,439	0	0	10,439	0	0	0	0	0	0	0
Institute for Telecommunication Sciences	10,439	0	0	10,439	0	0	0	0	0	0	0
Department of Defense	34,778,419	57,966	728,166	1,476,901	104,726	84,007	676,917	34,803	43,075	17,578,110	13,993,748
Defense Information Systems Agency	63,979	0	0	63,979	0	0	0	0	0	0	0
Department of the Air Force	18,203,631	0	283	548,728	604	102	4,442	72	13,461	4,598,413	13,037,526
Air Combat Command	2,339	0	0	0	0	0	0	0	0	2,339	0
Air Education Training Command	1,235	0	0	0	0	0	0	0	0	0	1,235
Air Force - Manpower and Reserve Affairs	149	0	0	149	0	0	0	0	0	0	0
Air Force Global Strike Command	169	0	0	0	0	0	0	0	0	169	0
Air Force Operational Test and Evaluation	34,000	0	0	0	0	0	0	0	0	34,000	0
Air Force Transportation Command	23,623	0	0	0	0	0	0	0	0	0	23,623
HQ Air Force Materiel Command	15,763,850	0	250	548,344	125	90	2,771	64	13,455	2,653,678	12,545,074
Air Force Materiel Command (AFMC)	14,150,797	0	0	546,585	0	0	0	0	13,410	1,220,654	12,370,147
Air Force Research Lab - U.S. Air Force projects	1,613,053	0	250	1,759	125	90	2,771	64	44	1,433,024	174,927
Space Force	2,371,326	0	33	236	479	12	1,671	9	6	1,901,287	467,593
Air Force Research Lab - U.S. Space Force projects	216,170	0	33	236	17	12	371	9	6	192,044	23,443
Space Development Agency	41,852	0	0	0	0	0	0	0	0	41,852	0
Space Operations Command	91,918	0	0	0	0	0	1,300	0	0	87,619	2,999
Space Systems Command	2,021,386	0	0	0	463	0	0	0	0	1,579,771	441,152
U.S. Space Command	6,941	0	0	0	0	0	0	0	0	6,941	0
Department of the Army	5,082,913	57,933	593,659	261,379	9,261	17,180	162,727	20,992	29,166	3,336,567	594,050
Army Cyber Command	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 7. Federal facility expenditures for R&D performed by the facility, by R&D field: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Army Engineer Research and Development Center	757,280	55,626	29,923	118,157	8,440	16,496	119,692	0	28,005	380,942	0
Army Medical Research and Development Command	458,275	0	458,275	0	0	0	0	0	0	0	0
Army Research Institute for the Behavioral and Social Sciences	18,817	0	0	0	0	0	0	18,817	0	0	0
Combat Capabilities Development Command (DEVCOM)	3,560,575	0	81,820	132,813	452	0	36,556	1,339	0	2,752,412	555,183
Armaments Center	257,297	0	0	0	0	0	0	0	0	257,297	0
Army Research Laboratory	408,678	0	7,723	17,597	452	0	9,917	1,339	0	33,546	338,104
Aviation and Missile Center	1,580,036	0	0	0	0	0	0	0	0	1,580,036	0
Chemical Biological Center	103,099	0	46,830	0	0	0	0	0	0	27,630	28,639
Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance Center	665,954	0	0	113,212	0	0	26,638	0	0	359,615	166,489
Data and Analysis Center	142,267	0	0	2,004	0	0	0	0	0	140,263	0
DEVCOM Headquarters	35,571	0	0	0	0	0	0	0	0	13,618	21,952
Ground Vehicle Systems Center	276,786	0	0	0	0	0	0	0	0	276,786	0
Soldier Center	90,887	0	27,266	0	0	0	0	0	0	63,621	0
Space and Missile Defense Command	85,556	0	0	0	0	0	0	0	0	70,345	15,211
Department of the Navy	7,393,087	33	134,225	602,815	94,861	66,725	509,747	13,739	448	5,608,322	362,172
Bureau of Medicine and Surgery	123,045	0	94,877	0	0	0	0	9,794	0	18,375 i	0
Naval Medical Research Command[a]	123,045	0	94,877	0	0	0	0	9,794	0	18,375 i	0
Naval Health Research Center	24,802	0	24,802	0	0	0	0	0	0	0	0
Naval Medical Research Unit - Dayton	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - INDO PACIFIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - San Antonio	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - South	10,701	0	10,701	0	0	0	0	0	0	0	0
Naval Submarine Medical Research Laboratory	9,132	0	4,020	0	0	0	0	5,112	0	0	0
Marine Corps	1,235	0	0	1,235	0	0	0	0	0	0	0
Naval Air Warfare Center Aircraft Division	1,198,012	0	0	261,305	0	0	0	0	0	688,540	248,167
Naval Air Warfare Center Weapon Division	821,934	0	0	0	0	0	0	0	0	821,934	0
Naval Facilities Engineering and Expeditionary Warfare Center	29,000	0	0	6,000	0	0	8,000	0	0	13,000	2,000
Naval Information Warfare Systems Command	636,194	33	7,088	216,890	16,476	44,389	18,175	3,420	448	272,615	56,660
Naval Information Warfare Center Atlantic	132,424	0	0	37,566	0	33,412	738	0	0	45,596	15,112
Naval Information Warfare Center Pacific	503,770	33	7,088	179,325	16,476	10,978	17,436	3,420	448	227,019	41,548
Naval Observatory	1,562	0	0	0	0	0	447	0	0	636	479
Naval Oceanographic Office	19,533	0	0	0	0	0	0	0	0	19,533	0

Table 7. Federal facility expenditures for R&D performed by the facility, by R&D field: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Naval Sea Systems Command Warfare Centers	3,841,762	0	9,494	70,644	108	22,336	62,074	526	0	3,651,262	25,318
Naval Surface Warfare Center	3,164,754	0	9,494	53,801	0	18,989	60,130	526	0	2,996,496	25,318
Naval Undersea Warfare Center	677,008	0	0	16,844	108	3,347	1,943	0	0	654,766	0
Office of Naval Research	720,810	0	22,766	46,741	78,277	0	421,052	0	0	122,426	29,548
Naval Research Laboratory	720,810	0	22,766	46,741	78,277	0	421,052	0	0	122,426	29,548
Missile Defense Agency	4,034,808	0	0	0	0	0	0	0	0	4,034,808	0
Department of Energy	49,252 i	0 i	0 i	0 i	4,679 i	0 i	7,831 i	0 i	0 i	36,742 i	0 i
National Energy Technology Laboratory	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Health and Human Services	4,818,697	109,170	4,594,448	37,966	702	145	7,269	1,245	7,986	36,972	22,794
Centers for Disease Control and Prevention	107,535	0	81,446	186	702	145	2,643	581	1,020	20,261	550
National Center for Emerging and Zoonotic Infectious Diseases	18,006	0	18,006	0	0	0	0	0	0	0	0
National Center for HIV, Viral Hepatitis, STD, and Tuberculosis Prevention	34,183	0	34,183	0	0	0	0	0	0	0	0
National Center on Birth Defects and Developmental Disabilities	243	0	0	0	0	0	0	0	0	0	243
National Institute for Occupational Safety and Health	55,103	0	29,257	186	702	145	2,643	581	1,020	20,261	307
Food and Drug Administration	510,332	109,170	359,156	6,325	0	0	4,626	0	0	8,811	22,244
Center for Biologics Evaluation and Research	69,085	0	69,085	0	0	0	0	0	0	0	0
Center for Devices and Radiological Health	51,000	0	51,000	0	0	0	0	0	0	0	0
Center for Drug Evaluation and Research	76,826	0	76,826	0	0	0	0	0	0	0	0
Center for Food Safety and Applied Nutrition	75,000	75,000	0	0	0	0	0	0	0	0	0
Center for Tobacco Products	111,561	0	111,561	0	0	0	0	0	0	0	0
Center for Veterinary Medicine	32,000	32,000	0	0	0	0	0	0	0	0	0
National Center for Toxicological Research	88,065	2,170	48,174	6,325	0	0	2,066	0	0	7,087	22,244
Office of Regulatory Affairs	5,199	0	914	0	0	0	2,560	0	0	1,725	0
Oncology Center of Excellence	1,596	0	1,596	0	0	0	0	0	0	0	0
National Institutes of Health	4,200,830	0	4,153,846	31,456	0	0	0	663	6,966	7,900	0
Clinical Center	693,747	0	693,747	0	0	0	0	0	0	0	0
Eunice Kennedy Shriver National Institute of Child Health and Human Development	245,638	0	226,797	11,875	0	0	0	0	6,966	0	0
National Cancer Institute	1,093,879	0	1,093,879	0	0	0	0	0	0	0	0
National Center for Advancing Translational Sciences	181,750	0	181,750	0	0	0	0	0	0	0	0
National Center for Complementary and Integrative Health	5,354	0	5,354	0	0	0	0	0	0	0	0
National Eye Institute	120,483	0	120,483	0	0	0	0	0	0	0	0
National Heart, Lung, and Blood Institute	189,805	0	189,805	0	0	0	0	0	0	0	0
National Human Genome Research Institute	162,753	0	146,865	15,888	0	0	0	0	0	0	0

Table 7. Federal facility expenditures for R&D performed by the facility, by R&D field: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
National Institute of Allergy and Infectious Diseases	551,631	0	551,631	0	0	0	0	0	0	0	0
National Institute of Arthritis and Musculoskeletal and Skin Diseases	66,634	0	66,634	0	0	0	0	0	0	0	0
National Institute of Biomedical Imaging and Bioengineering	7,900	0	0	0	0	0	0	0	0	7,900	0
National Institute of Dental and Craniofacial Research	78,988	0	78,988	0	0	0	0	0	0	0	0
National Institute of Diabetes and Digestive and Kidney Diseases	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Environmental Health Sciences	140,737	0	140,737	0	0	0	0	0	0	0	0
National Institute of Mental Health	663	0	0	0	0	0	0	663	0	0	0
National Institute of Neurological Disorders and Stroke	229,097	0	229,097	0	0	0	0	0	0	0	0
National Institute of Nursing Research	11,353	0	7,660	3,693	0	0	0	0	0	0	0
National Institute on Aging	7,183	0	7,183	0	0	0	0	0	0	0	0
National Institute on Alcohol Abuse and Alcoholism	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute on Deafness and Other Communication Disorders	34,240	0	34,240	0	0	0	0	0	0	0	0
National Institute on Drug Abuse	67,053	0	67,053	0	0	0	0	0	0	0	0
National Institute on Minority Health and Health Disparities	13,897	0	13,897	0	0	0	0	0	0	0	0
National Library of Medicine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Homeland Security	21,908	1,235	0	551	0	0	4,393	0	0	14,073	1,656
Coast Guard	2,207	0	0	551	0	0	0	0	0	0	1,656
Acquisition Directorate, Research and Development Center	2,207	0	0	551	0	0	0	0	0	0	1,656
Science and Technology Directorate	19,701	1,235	0	0	0	0	4,393	0	0	14,073	0
Office of National Laboratories	19,701	1,235	0	0	0	0	4,393	0	0	14,073	0
Chemical Security Analysis Center	4,393	0	0	0	0	0	4,393	0	0	0	0
National Urban Security Technology Laboratory	4,073	0	0	0	0	0	0	0	0	4,073	0
Plum Island Animal Disease Center	1,235	1,235	0	0	0	0	0	0	0	0	0
Transportation Security Laboratory	10,000	0	0	0	0	0	0	0	0	10,000	0
Department of the Interior	395,747	6,317	203,621	500	154,882	0	5,510	283	11,314	13,319	0
Bureau of Land Management	60	0	60	0	0	0	0	0	0	0	0
Bureau of Reclamation	13,917	2,671	0	0	0	0	0	0	0	11,246	0
Fish and Wildlife Service	1,843	1,843	0	0	0	0	0	0	0	0	0
Geological Survey	378,123	0	203,561	500	154,882	0	5,510	283	11,314	2,073	0
Core Science Systems Mission Area	30,369	0	12,692	500	17,177	0	0	0	0	0	0
Ecosystems Mission Area	170,341	0	132,536	0	19,909	0	4,514	283	11,026	2,073	0
Energy and Minerals Mission Area	40,637	0	0	0	40,637	0	0	0	0	0	0
Natural Hazards Mission Area	77,159	0	0	0	77,159	0	0	0	0	0	0

Table 7. Federal facility expenditures for R&D performed by the facility, by R&D field: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	R&D field								
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Water Resources Mission Area	59,617	0	58,333	0	0	0	996	0	288	0	0
National Park Service	1,803	1,803	0	0	0	0	0	0	0	0	0
Department of Transportation	133,591	0	15,717 i	2,706 i	5,426 i	2,273 i	0	4,047 i	69 i	98,151	5,201 i
Federal Aviation Administration	45,899 i	0 i	15,717 i	2,706 i	5,426 i	2,273 i	0 i	4,047 i	69 i	10,460 i	5,201 i
Office of Aerospace Medicine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of NextGen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Federal Highway Administration	33,508	0	0	0	0	0	0	0	0	33,508	0
Intelligence Transportation Systems Joint Program Office	13,977	0	0	0	0	0	0	0	0	13,977	0
Office of Administrations	11,000	0	0	0	0	0	0	0	0	11,000	0
Office of Operations	3	0	0	0	0	0	0	0	0	3	0
Office of Planning	414	0	0	0	0	0	0	0	0	414	0
Office of Research, Development, and Technology	8,114	0	0	0	0	0	0	0	0	8,114	0
National Highway Traffic Safety Administration	38,909	0	0	0	0	0	0	0	0	38,909	0
Office of Vehicle Safety Research	38,909	0	0	0	0	0	0	0	0	38,909	0
Vehicle Research and Test Center	38,909	0	0	0	0	0	0	0	0	38,909	0
Office of the Secretary for Research and Technology	15,275 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	15,275 i	0 i
John A. Volpe National Transportation Systems Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Veterans Affairs	1,763,971	0	1,763,971	0	0	0	0	0	0	0	0
Office of Research and Development Central Office	93,131	0	93,131	0	0	0	0	0	0	0	0
Veterans Integrated Services Network (VISN) 1: New England Health Care System	270,225	0	270,225	0	0	0	0	0	0	0	0
Bedford Health Care System	15,736	0	15,736	0	0	0	0	0	0	0	0
Boston Health Care System, Jamaica Plain Campus	177,871	0	177,871	0	0	0	0	0	0	0	0
Central Western Massachusetts Health Care	1,433	0	1,433	0	0	0	0	0	0	0	0
Connecticut Health Care System, West Haven Medical Center	44,863	0	44,863	0	0	0	0	0	0	0	0
Manchester Medical Center	188	0	188	0	0	0	0	0	0	0	0
Providence Medical Center	21,665	0	21,665	0	0	0	0	0	0	0	0
Togus Maine Health Care System	279	0	279	0	0	0	0	0	0	0	0
White River Junction Medical Center	8,189	0	8,189	0	0	0	0	0	0	0	0
VISN 2: New York/ New Jersey Veterans Health Care Network	69,701	0	69,701	0	0	0	0	0	0	0	0
Bronx Health Care, James J. Peters Medical Center	35,415	0	35,415	0	0	0	0	0	0	0	0
New Jersey Health Care	6,357	0	6,357	0	0	0	0	0	0	0	0
New York Harbor Health Care	9,496	0	9,496	0	0	0	0	0	0	0	0
Northport Medical Center	4,905	0	4,905	0	0	0	0	0	0	0	0

Table 7. Federal facility expenditures for R&D performed by the facility, by R&D field: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Western New York Health Care, Buffalo Medical Center	13,528	0	13,528	0	0	0	0	0	0	0	0
VISN 4: Health Care	52,200	0	52,200	0	0	0	0	0	0	0	0
Coatesville Medical Center	288	0	288	0	0	0	0	0	0	0	0
Philadelphia Health Care, Corporal Michael J. Crescenz Medical Center	21,933	0	21,933	0	0	0	0	0	0	0	0
Pittsburgh Medical Center-University Drive	29,980	0	29,980	0	0	0	0	0	0	0	0
VISN 5: Capitol Health Care Network	50,089	0	50,089	0	0	0	0	0	0	0	0
Huntington Health Care, Hershel (Woody) Williams Medical Center	1,434	0	1,434	0	0	0	0	0	0	0	0
Maryland Health Care, Baltimore Medical Center	36,010	0	36,010	0	0	0	0	0	0	0	0
Washington DC Health Care, Washington Medical Center	12,645	0	12,645	0	0	0	0	0	0	0	0
VISN 6: Mid-Atlantic Health Care Network	67,983	0	67,983	0	0	0	0	0	0	0	0
Asheville Health Care, Charles George Medical Center	1,577	0	1,577	0	0	0	0	0	0	0	0
Durham Medical Center	37,821	0	37,821	0	0	0	0	0	0	0	0
Hampton Medical Center	438	0	438	0	0	0	0	0	0	0	0
Richmond Health Care, Hunter Holmes McGuire Hospital	21,184	0	21,184	0	0	0	0	0	0	0	0
Salem Medical Center	3,628	0	3,628	0	0	0	0	0	0	0	0
Salisbury Health Care, W.G. (Bill) Hefner Salisbury Medical Center	3,335	0	3,335	0	0	0	0	0	0	0	0
VISN 7: Southeast Network	98,927	0	98,927	0	0	0	0	0	0	0	0
Atlanta Medical Center	38,529	0	38,529	0	0	0	0	0	0	0	0
Augusta Health Care, Charlie Norwood Medical Center	4,726	0	4,726	0	0	0	0	0	0	0	0
Birmingham Medical Center	11,682	0	11,682	0	0	0	0	0	0	0	0
Charleston Health Care, Ralph H. Johnson Medical Center	36,283	0	36,283	0	0	0	0	0	0	0	0
Columbia South Carolina Health Care, William Jennings Bryan Dorn Medical Center	4,978	0	4,978	0	0	0	0	0	0	0	0
Tuscaloosa Medical Center	2,730	0	2,730	0	0	0	0	0	0	0	0
VISN 8: Sunshine Health Care Network	44,454	0	44,454	0	0	0	0	0	0	0	0
Bay Pines Health Care System	2,768	0	2,768	0	0	0	0	0	0	0	0
Caribbean Health Care System	614	0	614	0	0	0	0	0	0	0	0
Miami Health Care System	14,775	0	14,775	0	0	0	0	0	0	0	0
North Florida/ South Georgia Health Care System	12,859	0	12,859	0	0	0	0	0	0	0	0
Orlando Medical Center	661	0	661	0	0	0	0	0	0	0	0
Tampa Health Care, James A. Haley Veterans' Hospital	12,776	0	12,776	0	0	0	0	0	0	0	0
VISN 9: MidSouth Health Care Network	58,093	0	58,093	0	0	0	0	0	0	0	0
Lexington Medical Center (Troy Bowling Campus)	4,586	0	4,586	0	0	0	0	0	0	0	0
Louisville Health Care, Robley Rex Medical Center	2,358	0	2,358	0	0	0	0	0	0	0	0

Table 7. Federal facility expenditures for R&D performed by the facility, by R&D field: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Memphis Medical Center	9,892	0	9,892	0	0	0	0	0	0	0	0
Mountain Home Health Care, James H. Quillen Medical Center	2,468	0	2,468	0	0	0	0	0	0	0	0
Tennessee Valley Health Care, Nashville Medical Center	38,789	0	38,789	0	0	0	0	0	0	0	0
VISN 10: Health Care System	114,036	0	114,036	0	0	0	0	0	0	0	0
Ann Arbor Health Care System	38,667	0	38,667	0	0	0	0	0	0	0	0
Battle Creek Medical Center	72	0	72	0	0	0	0	0	0	0	0
Cincinnati Medical Center	8,006	0	8,006	0	0	0	0	0	0	0	0
Dayton Medical Center	1,409	0	1,409	0	0	0	0	0	0	0	0
Detroit Health Care, John D. Dingell Medical Center	7,167	0	7,167	0	0	0	0	0	0	0	0
Indiana Health Care, Richard L. Roudebush Medical Center	25,312	0	25,312	0	0	0	0	0	0	0	0
Northeast Ohio Health Care, Louis Stokes Cleveland Medical Center	33,402	0	33,402	0	0	0	0	0	0	0	0
VISN 12: Great Lakes Health Care System	82,101	0	82,101	0	0	0	0	0	0	0	0
Chicago Health Care, Jesse Brown Medical Center	21,999	0	21,999	0	0	0	0	0	0	0	0
Hines Health Care, Edward Hines Junior Hospital	33,940	0	33,940	0	0	0	0	0	0	0	0
Madison Health Care, William S. Middleton Memorial Veterans' Hospital	17,377	0	17,377	0	0	0	0	0	0	0	0
Milwaukee Health Care, Clement J. Zablocki Medical Center	8,785	0	8,785	0	0	0	0	0	0	0	0
VISN 15: Heartland Health Care Network	21,488	0	21,488	0	0	0	0	0	0	0	0
Kansas City Medical Center	11,833	0	11,833	0	0	0	0	0	0	0	0
St. Louis Health Care, John J. Cochran Veterans Hospital	9,656	0	9,656	0	0	0	0	0	0	0	0
VISN 16: South Central Health Care Network	51,791	0	51,791	0	0	0	0	0	0	0	0
Central Arkansas Health Care, Eugene J. Towbin Health Care Center	13,361	0	13,361	0	0	0	0	0	0	0	0
Houston Health Care, Michael E. DeBakey Medical Center	29,915	0	29,915	0	0	0	0	0	0	0	0
Jackson Health Care, G.V. (Sonny) Montgomery Medical Center	918	0	918	0	0	0	0	0	0	0	0
Shreveport Health Care, Overton Brooks Medical Center	559	0	559	0	0	0	0	0	0	0	0
Southeast Louisiana Health Care System	7,038	0	7,038	0	0	0	0	0	0	0	0
VISN 17: Heart of Texas Health Care Network	29,841	0	29,841	0	0	0	0	0	0	0	0
Central Texas Health Care	3,673	0	3,673	0	0	0	0	0	0	0	0
North Texas, Dallas Medical Center	8,563	0	8,563	0	0	0	0	0	0	0	0
South Texas Health Care	17,606	0	17,606	0	0	0	0	0	0	0	0
VISN 19: Rocky Mountain Network	113,261	0	113,261	0	0	0	0	0	0	0	0
Eastern Colorado, Rocky Mountain Regional Medical Center	38,978	0	38,978	0	0	0	0	0	0	0	0
Eastern Oklahoma, Jack C. Montgomery Medical Center	417	0	417	0	0	0	0	0	0	0	0
Oklahoma City Medical Center	10,079	0	10,079	0	0	0	0	0	0	0	0

Table 7. Federal facility expenditures for R&D performed by the facility, by R&D field: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Salt Lake City Health Care	63,786	0	63,786	0	0	0	0	0	0	0	0
VISN 20: Northwest Network	121,196	0	121,196	0	0	0	0	0	0	0	0
Boise Medical Center	3,572	0	3,572	0	0	0	0	0	0	0	0
Portland Health Care System	51,926	0	51,926	0	0	0	0	0	0	0	0
Puget Sound Health Care, Seattle Medical Center	65,698	0	65,698	0	0	0	0	0	0	0	0
VISN 21: Sierra Pacific Network	199,694	0	199,694	0	0	0	0	0	0	0	0
Central California Health Care System	360	0	360	0	0	0	0	0	0	0	0
Northern California Health Care System	7,573	0	7,573	0	0	0	0	0	0	0	0
Pacific Islands Health Care System	1,119	0	1,119	0	0	0	0	0	0	0	0
Palo Alto Health Care System	112,440	0	112,440	0	0	0	0	0	0	0	0
San Francisco Health Care System	76,852	0	76,852	0	0	0	0	0	0	0	0
Sierra Nevada Health Care System	562	0	562	0	0	0	0	0	0	0	0
Southern Nevada Health Care System	787	0	787	0	0	0	0	0	0	0	0
VISN 22: Desert Pacific Health Care Network	166,353	0	166,353	0	0	0	0	0	0	0	0
Greater Los Angeles, West Los Angeles Medical Center	40,308	0	40,308	0	0	0	0	0	0	0	0
Loma Linda Health Care System	6,823	0	6,823	0	0	0	0	0	0	0	0
Long Beach Health Care System	12,020	0	12,020	0	0	0	0	0	0	0	0
New Mexico Health Care System	38,271	0	38,271	0	0	0	0	0	0	0	0
Phoenix Health Care System	4,820	0	4,820	0	0	0	0	0	0	0	0
San Diego Health Care System	58,562	0	58,562	0	0	0	0	0	0	0	0
Southern Arizona Health Care System	5,549	0	5,549	0	0	0	0	0	0	0	0
VISN 23: Midwest Health Care Network	59,407	0	59,407	0	0	0	0	0	0	0	0
Fargo Health Care System	293	0	293	0	0	0	0	0	0	0	0
Minneapolis Health Care System	32,577	0	32,577	0	0	0	0	0	0	0	0
Nebraska-Western Iowa Health Care System	25,622	0	25,622	0	0	0	0	0	0	0	0
Sioux Falls Health Care System	871	0	871	0	0	0	0	0	0	0	0
St. Cloud Health Care	43	0	43	0	0	0	0	0	0	0	0
Other agencies	4,221,857	43,442	130,590	4,497	548,372	2,469	1,135,629	0	47,172	2,280,376	29,310
Environmental Protection Agency	324,660	39,035	89,237	4,447	133,801	2,469	7,752	0	1,875	46,044	0
Center for Computational Toxicology and Exposure	56,620	6,808	15,563	776	23,334	431	1,352	0	327	8,030	0
Center for Environmental Measurement and Modeling	87,706	10,545	24,107	1,201	36,146	667	2,094	0	507	12,439	0
Center for Environmental Solutions and Emergency Response	64,165	7,715	17,637	879	26,444	488	1,532	0	371	9,100	0
Center for Public Health and Environmental Assessment	92,644	11,139	25,465	1,269	38,181	705	2,212	0	535	13,139	0

Table 7. Federal facility expenditures for R&D performed by the facility, by R&D field: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Office of Science Advisor, Policy, and Engagement	23,525	2,828	6,466	322	9,695	179	562	0	136	3,336	0
Federal Trade Commission	834	0	14	50	0	0	0	0	755	0	15
Library of Congress	8,841 i	0 i	0 i	0 i	0 i	0 i	7,522 i	0 i	0 i	0 i	1,319 i
National Aeronautics and Space Administration	3,719,172	0	32,810	0	367,214	0	1,087,034	0	0	2,228,639	3,475
Ames Research Center	286,233	0	21,275	0	7,765	0	65,286	0	0	191,360	547
Armstrong (Dryden) Flight Research Center	81,935	0	0	0	1,697	0	17	0	0	80,221	0
Glenn Research Center	213,894	0	0	0	1,743	0	21,793	0	0	190,358	0
Goddard Space Flight Center	1,057,584	0	0	0	176,215	0	600,623	0	0	278,774	1,972
Johnson Space Center	484,227	0	3,334	0	8,564	0	53,501	0	0	418,550	277
Kennedy Space Center	215,813	0	8,187	0	20,928	0	153,176	0	0	33,522	0
Langley Research Center	254,335	0	3	0	30,021	0	21,956	0	0	201,945	411
Marshall Space Flight Center	812,864	0	11	0	12,667	0	107,063	0	0	692,855	268
NASA Headquarters	301,195	0	0	0	107,605	0	63,609	0	0	129,981	0
Stennis Space Center	11,092	0	0	0	10	0	9	0	0	11,073	0
Smithsonian Institution	168,350	4,407	8,528	0	47,357	0	33,320	0	44,541	5,694	24,502
Office of Academic, Interns, and Fellowship	1,195	0	0	0	0	0	826	0	368	0	0
Under Secretary for Finance and Administration	13,332	0	0	0	0	0	0	0	0	0	13,332
Information Technology	13,332	0	0	0	0	0	0	0	0	0	13,332
Under Secretary for Museums and Culture	39,086	0	0	0	0	0	0	0	36,810	0	2,277
Asian Pacific American Center	243	0	0	0	0	0	0	0	243	0	0
National Museum of African American History	9,671	0	0	0	0	0	0	0	9,671	0	0
National Museum of Asian Art	1,021	0	0	0	0	0	0	0	994	0	27
National Museum of African Art	1,101	0	0	0	0	0	0	0	1,101	0	0
National Museum of American History	10,022	0	0	0	0	0	0	0	9,990	0	33
National Museum of American Indian	8,422	0	0	0	0	0	0	0	8,422	0	0
National Museum of American Latino	1,442	0	0	0	0	0	0	0	1,442	0	0
National Portrait Gallery	1,441	0	0	0	0	0	0	0	1,441	0	0
National Postal Museum	277	0	0	0	0	0	0	0	0	0	277
Smithsonian American Art Museum	3,506	0	0	0	0	0	0	0	3,506	0	0
Smithsonian American Women's History Museum	1,940	0	0	0	0	0	0	0	0	0	1,940
Under Secretary for Science and Research	114,737	4,407	8,528	0	47,357	0	32,494	0	7,364	5,694	8,893
Museum Conservation Institute	1,735	0	0	0	0	0	0	0	0	0	1,735
National Air and Space Museum	7,853	0	0	0	2,159	0	0	0	0	5,694	0

Table 7. Federal facility expenditures for R&D performed by the facility, by R&D field: FY 2024

(Thousands of dollars)

Agency or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
National Museum of Natural History	27,611	4,407	1,049	0	3,122	0	16,831	0	0	0	2,202
National Zoological Park/ Smithsonian Conservation Biology Institute	8,183	0	0	0	0	0	6,876	0	0	0	1,308
Office of Global Affairs	2,234	0	0	0	0	0	0	0	2,234	0	0
Smithsonian Astrophysical Observatory	42,586	0	0	0	42,068	0	0	0	0	0	517
Smithsonian Environmental Research Center	5,762	0	5,762	0	0	0	0	0	0	0	0
Smithsonian Libraries and Archives	6,416	0	0	0	0	0	0	0	5,130	0	1,286
Smithsonian Tropical Research Institute	12,356	0	1,717	0	7	0	8,787	0	0	0	1,845

i = more than 50% of the estimate is imputed, including cases where there is only one facility listed and its data are imputed. NA = not available; imputed data not reported at this level.

[a] Naval Medical Research Command headquarters and its subfacilities responded separately to the survey. Data displayed for the Naval Medical Research Command include both the headquarters and listed subfacilities totals.

Source(s):
National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey, FY 2024.

Table 8. Federal facility R&D personnel headcount, by job category and R&D function: FY 2024

(Number)

Agency or facility	All job categories				Federal employees and military personnel				Contractors				All other R&D personnel			
	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff
All agencies	183,523	86,950 i	58,208 i	38,365 i	132,374	71,283 i	37,812	23,279 i	42,271	10,992 i	16,303 i	14,976	8,878	4,675	4,093	110
Department of Agriculture	9,512	3,288	4,393	1,831	9,432	3,267	4,352	1,813	71	19	41	11	9 i	2 i	0	7 i
Agricultural Research Service	6,723	1,725	3,725	1,273	6,721	1,725	3,724	1,272	1 i	0	1 i	0	1 i	0	0	1 i
Midwest Area	1,131	289	621	221	1,131	289	621	221	0	0	0	0	0	0	0	0
Northeast Area	1,101	342	536	223	1,101	342	536	223	0	0	0	0	0	0	0	0
Pacific West Area	1,444	356	889	199	1,444	356	889	199	0	0	0	0	0	0	0	0
Plains Area	1,484	344	792	348	1,484	344	792	348	0	0	0	0	0	0	0	0
Southeast Area	1,563 i	394 i	887 i	282 i	1,561	394	886	281	1 i	0 i	1 i	0 i	1 i	0 i	0 i	1 i
Animal and Plant Health Inspection Service	644	186	274	184	577	168	241	168	59	16	33	10	8 i	2 i	0	6 i
Forest Pest Methods Laboratory	52	17	29	6	40	16	19	5	11	0	10	1	1	1	0	0
Insect Management and Molecular Diagnostics Laboratory	45	12	21	12	24	12	9	3	21	0	12	9	0	0	0	0
National Veterinary Services Laboratories/ Center for Veterinary Biologics	352	107	176	69	334	94	174	66	15	13	2	0	3	0	0	3
National Wildlife Research Center	147	24	33	90	147	24	33	90	0	0	0	0	0	0	0	0
Plant Pathogen Confirmatory Diagnostics Laboratory	32	16	13	3	23	16	4	3	9	0	9	0	0	0	0	0
Treatment and Inspection Methods Laboratory	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Economic Research Service	293	220	0	73	293	220	0	73	0	0	0	0	0	0	0	0
Forest Service	1,690	1,068	326	296	1,690	1,068	326	296	0	0	0	0	0	0	0	0
Forest Products Laboratory	127	78	17	32	127	78	17	32	0	0	0	0	0	0	0	0
International Institute of Tropical Forestry	45	14	6	25	45	14	6	25	0	0	0	0	0	0	0	0
Northern Research Station	357	201	91	65	357	201	91	65	0	0	0	0	0	0	0	0
Pacific Northwest Research Station	289	173	66	50	289	173	66	50	0	0	0	0	0	0	0	0
Pacific Southwest Research Station	124	79	24	21	124	79	24	21	0	0	0	0	0	0	0	0
Rocky Mountain Research Station	391	259	76	56	391	259	76	56	0	0	0	0	0	0	0	0
Southern Research Station	290	204	46	40	290	204	46	40	0	0	0	0	0	0	0	0
Washington Office Research and Development	67	60	0	7	67	60	0	7	0	0	0	0	0	0	0	0
National Agricultural Statistics Service	53	29	23	1	50	26	23	1	3	3	0	0	0	0	0	0
Natural Resources Conservation Service	109	60	45	4	101	60	38	3	8	0	7	1	0	0	0	0
Plant Materials Center	100	52	45	3	92	52	38	2	8	0	7	1	0	0	0	0
Soil Science Research Branch	9	8	0	1	9	8	0	1	0	0	0	0	0	0	0	0
Department of Commerce	8,105	6,465	666	974	5,357	4,202	380	775	946	564	202	180	1,802	1,699	84	19
Census Bureau	952 i	949 i	3 i	0 i	946	944 i	2 i	0 i	3 i	2 i	1 i	0 i	3 i	3 i	0 i	0 i
National Institute of Standards and Technology	3,544	3,135	122	287	2,138	1,729	122	287	0	0	0	0	1,406	1,406	0	0
National Oceanic and Atmospheric Administration	3,568	2,381	509	678	2,243	1,529	233	481	932	562	192	178	393	290	84	19
National Environmental Satellite, Data, and Information Service	175	144	1	30	105	74	1	30	70	70	0	0	0	0	0	0
Center for Satellite Applications and Research	111	94	1	16	65	48	1	16	46	46	0	0	0	0	0	0

Table 8. Federal facility R&D personnel headcount, by job category and R&D function: FY 2024

(Number)

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	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff
National Centers for Environmental Information	64	50	0	14	40	26	0	14	24	24	0	0	0	0	0	0
National Marine Fisheries Service	721	515	173	33	521	413	84	24	138	94	38	6	62	8	51	3
Alaska Fisheries Science Center	57	53	3	1	46	42	3	1	11	11	0	0	0	0	0	0
Northeast Fisheries Science Center	137	137	0	0	87	87	0	0	50	50	0	0	0	0	0	0
Northwest Fisheries Science Center	152	152	0	0	134	134	0	0	18	18	0	0	0	0	0	0
Office of Protected Resources	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0
Office of Science and Technology	4	0	4	0	2	0	2	0	2	0	2	0	0	0	0	0
Office of Sustainable Fisheries	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
Pacific Island Fisheries Science Center	32	29	3	0	29	29	0	0	2	0	2	0	1	0	1	0
Southeast Fisheries Science Center	274	102	144	28	178	91	68	19	35	3	26	6	61	8	50	3
Southwest Fisheries Science Center	63	42	18	3	43	30	10	3	20	12	8	0	0	0	0	0
National Ocean Service	698	522	101	75	570	478	19	73	118	35	81	2	10	9	1	0
Center for Operational Oceanographic Products and Services	8	8	0	0	8	8	0	0	0	0	0	0	0	0	0	0
National Centers for Coastal Ocean Science	293	171	85	37	165	127	3	35	118	35	81	2	10	9	1	0
National Geodetic Survey	123	99	4	20	123	99	4	20	0	0	0	0	0	0	0	0
Office for Coastal Management	5	4	0	1	5	4	0	1	0	0	0	0	0	0	0	0
Office of Response and Restoration	32	32	0	0	32	32	0	0	0	0	0	0	0	0	0	0
Office of the Coast Survey	237	208	12	17	237	208	12	17	0	0	0	0	0	0	0	0
National Weather Service	123	54	53	16	98	49	35	14	20	0	18	2	5	5	0	0
National Centers for Environmental Prediction	25	25	0	0	20	20	0	0	0	0	0	0	5	5	0	0
Office of Science and Technology Integration	98	29	53	16	78	29	35	14	20	0	18	2	0	0	0	0
Oceanic and Atmospheric Research	1,720	1,146	181	393	818	515	94	209	586	363	55	168	316	268	32	16
Air Resources Laboratory	74	45	12	17	34	22	3	9	40	23	9	8	0	0	0	0
Atlantic Oceanographic and Meteorological Laboratory	222	191	12	19	64	42	12	10	118	109	0	9	40	40	0	0
Chemical Sciences Laboratory	129	111	5	13	44	33	5	6	5	1	0	4	80	77	0	3
Climate Program Office	74	28	3	43	54	28	3	23	19	0	0	19	1	0	0	1
Earth System Research Laboratories	20	0	2	18	13	0	2	11	7	0	0	7	0	0	0	0
Geophysical Fluid Dynamics Laboratory	228	155	16	57	108	77	16	15	42	0	0	42	78	78	0	0
Global Monitoring Laboratory	108	89	11	8	48	33	7	8	60	56	4	0	0	0	0	0
Global Ocean Monitoring and Observing Program	16	14	0	2	9	7	0	2	7	7	0	0	0	0	0	0
Global Systems Laboratory	86	40	26	20	61	40	6	15	25	0	20	5	0	0	0	0
Great Lakes Environmental Research Laboratory	130	44	57	29	55	30	8	17	28	4	17	7	47	10	32	5
National Sea Grant College Program	44	17	0	27	38	17	0	21	2	0	0	2	4	0	0	4
National Severe Storms Laboratory	158	130	7	21	63	45	7	11	95	85	0	10	0	0	0	0
Ocean Acidification Program	14	7	0	7	8	7	0	1	5	0	0	5	1	0	0	1

Table 8. Federal facility R&D personnel headcount, by job category and R&D function: FY 2024

(Number)

Agency or facility	All job categories				Federal employees and military personnel				Contractors				All other R&D personnel			
	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff
Office of Ocean Exploration and Research	56	17	0	39	33	17	0	16	21	0	0	21	2	0	0	2
Office of Research Transition and Application	24	4	4	16	18	4	4	10	6	0	0	6	0	0	0	0
Pacific Marine Environment Laboratory	159	119	21	19	67	39	17	11	90	78	4	8	2	2	0	0
Physical Sciences Laboratory	134	116	4	14	72	55	3	14	1	0	1	0	61	61	0	0
Weather Program Office	44	19	1	24	29	19	1	9	15	0	0	15	0	0	0	0
Office of Marine and Aviation Operations	131	0	0	131	131	0	0	131	0	0	0	0	0	0	0	0
National Oceanic and Atmospheric Administration Corps	131	0	0	131	131	0	0	131	0	0	0	0	0	0	0	0
National Telecommunications and Information Administration	41	0	32	9	30	0	23	7	11	0	9	2	0	0	0	0
Institute for Telecommunication Sciences	41	0	32	9	30	0	23	7	11	0	9	2	0	0	0	0
Department of Defense	99,622	44,272 i	29,234 i	26,116 i	64,947	34,327	17,662 i	12,958	34,095	9,433 i	11,506 i	13,156	580	512	66	2
Defense Information Systems Agency	689	12	607	70	370	0	309	61	319	12	298	9	0	0	0	0
Department of the Air Force	22,809	1,709 i	14,466 i	6,634 i	17,498	1,090 i	10,906 i	5,502 i	5,310	618 i	3,560 i	1,132 i	1 i	1 i	0	0
Air Combat Command	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Air Education Training Command	16	1	11	4	0	0	0	0	16	1	11	4	0	0	0	0
Air Force - Manpower and Reserve Affairs	1	0 i	1 i	0 i	1	0 i	1 i	0 i	0	0	0	0	0	0	0	0
Air Force Global Strike Command	8	1	0	7	7	0	0	7	1	1	0	0	0	0	0	0
Air Force Operational Test and Evaluation	640	0	640	0	580	0	580	0	60	0	60	0	0	0	0	0
Air Force Transportation Command	52	3 i	33 i	16 i	52 i	3 i	33 i	16 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
HQ Air Force Materiel Command	19,150	1,453 i	12,161 i	5,536 i	14,356	895 i	8,947 i	4,514 i	4,794	558 i	3,214 i	1,022 i	0 i	0 i	0 i	0 i
Air Force Materiel Command (AFMC)	15,017	1,189 i	9,580 i	4,248 i	10,340	645 i	6,444 i	3,251 i	4,677	544 i	3,136 i	997 i	0	0	0	0
Air Force Research Lab - U.S. Air Force projects	4,133	264 i	2,581 i	1,288 i	4,016 i	250 i	2,503 i	1,263 i	117 i	14 i	78 i	25 i	0 i	0 i	0 i	0 i
Space Force	2,894	246	1,591	1,057	2,469	190	1,325	954	425	56 i	266 i	103 i	0	0	0	0
Air Force Research Lab - U.S. Space Force projects	560	35 i	350 i	175 i	551 i	34 i	344 i	173 i	9 i	1 i	6 i	2 i	0 i	0 i	0 i	0 i
Space Development Agency	383	36 i	250 i	97 i	148	9 i	92 i	47 i	235	27 i	158 i	50 i	0	0	0	0
Space Operations Command	241	94	109	38	82	66	7	9	159	28	102	29	0	0	0	0
Space Systems Command	1,710	81	882	747	1,688	81	882	725	22	0	0	22	0	0	0	0
U.S. Space Command	23	2 i	15 i	6 i	16 i	1 i	10 i	5 i	7 i	1 i	5 i	1 i	0 i	0 i	0 i	0 i
Department of the Army	29,917	17,048 i	5,079 i	7,790 i	16,802	11,190 i	1,872	3,740	12,770	5,545 i	3,177 i	4,048 i	345	313	30	2
Army Cyber Command	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Army Engineer Research and Development Center	2,190	1,598	282	310	1,958	1,528	205	225	232	70	77	85	0	0	0	0
Army Medical Research and Development Command	4,423	2,458 i	449 i	1,516	2,280	1,135	115	1,030	1,942	1,122 i	334 i	486	201	201	0	0
Army Research Institute for the Behavioral and Social Sciences	125	103	0	22	100	78	0	22	0	0	0	0	25	25	0	0
Combat Capabilities Development Command (DEVCOM)	20,479	11,318 i	4,058 i	5,103 i	10,488	7,207 i	1,326	1,955 i	9,893	4,045 i	2,702 i	3,146 i	98	66	30	2
Armaments Center	973	594 i	174 i	205 i	831	578	72	181	142	16 i	102 i	24 i	0	0	0	0
Army Research Laboratory	2,552	1,513 i	374 i	665 i	1,580	1,129 i	139 i	312 i	948	360 i	235 i	353 i	24	24 i	0 i	0 i

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	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff
Aviation and Missile Center	9,656	5,148 i	1,731 i	2,777 i	3,100	2,660 i	105 i	335 i	6,556	2,488 i	1,626 i	2,442 i	0	0 i	0 i	0 i
Chemical Biological Center	408	180 i	155 i	73 i	275 i	134 i	97 i	44 i	116 i	38 i	49 i	29 i	17 i	8 i	9 i	0 i
Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance Center	3,474	1,741	1,209	524	1,894	944	658	292	1,523	763	530	230	57	34	21	2
Data and Analysis Center	671	456	102	113	543	431	11	101	128	25	91	12	0	0	0	0
DEVCOM Headquarters	28	0	0	28	28	0	0	28	0	0	0	0	0	0	0	0
Ground Vehicle Systems Center	2,247	1,371 i	313 i	563 i	1,767	1,016 i	244 i	507 i	480	355 i	69 i	56 i	0	0	0	0
Soldier Center	470	315	0	155	470	315	0	155	0	0	0	0	0	0	0	0
Space and Missile Defense Command	680	378	2	300	220	153	2	65	445	210	0	235	15	15	0	0
Department of the Navy	35,177	25,503 i	3,719	5,955	27,054	22,047	1,896	3,111	7,893	3,258	1,791	2,844 i	230	198	32	0
Bureau of Medicine and Surgery	1,017	293	419	305	451	141	87	223	563	150	331	82 i	3 i	2 i	1 i	0
Naval Medical Research Command[a]	1,017	293	419	305	451	141	87	223	563	150	331	82 i	3 i	2 i	1 i	0
Naval Health Research Center	319	122	118	79	92	45	1	46	227	77	117	33	0	0	0	0
Naval Medical Research Unit - Dayton	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - INDO PACIFIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - San Antonio	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - South	227	18	141	68	148	18	62	68	79	0	79	0	0	0	0	0
Naval Submarine Medical Research Laboratory	80	22	16	42	49	14	1	34	31	8	15	8	0	0	0	0
Marine Corps	17	2	15	0	10	2	8	0	7	0	7	0	0	0	0	0
Naval Air Warfare Center Aircraft Division	11,379	7,545	1,559	2,275	6,818	4,720	611	1,487	4,561	2,825	948	788	0	0	0	0
Naval Air Warfare Center Weapon Division	4,502	3,000	846	656	4,266	2,826	799	641	236	174	47	15	0	0	0	0
Naval Facilities Engineering and Expeditionary Warfare Center	583	433	100	50	433	333	50	50	150	100	50	0	0	0	0	0
Naval Information Warfare Systems Command	4,842	2,359 i	270	2,213 i	3,044	2,359	270	415	1,798	0 i	0 i	1,798 i	0	0	0	0
Naval Information Warfare Center Atlantic	597	359	170	68	597	359	170	68	0	0	0	0	0	0	0	0
Naval Information Warfare Center Pacific	4,245	2,000 i	100 i	2,145 i	2,447	2,000	100	347	1,798	0 i	0 i	1,798 i	0	0	0	0
Naval Observatory	8	2	6	0	0	0	0	0	8	2	6	0	0	0	0	0
Naval Oceanographic Office	23	23	0	0	16	16	0	0	7	7	0	0	0	0	0	0
Naval Sea Systems Command Warfare Centers	9,914	9,914 i	0 i	0 i	9,914 i	9,914 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Naval Surface Warfare Center	7,008	7,008 i	0 i	0 i	7,008 i	7,008 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Naval Undersea Warfare Center	2,906	2,906 i	0 i	0 i	2,906 i	2,906 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Office of Naval Research	2,892	1,932 i	504 i	456 i	2,102	1,736	71	295	563	0 i	402 i	161 i	227	196	31	0
Naval Research Laboratory	2,892	1,932 i	504 i	456 i	2,102	1,736	71	295	563	0 i	402 i	161 i	227	196	31	0
Missile Defense Agency	11,030	0	5,363	5,667	3,223	0	2,679	544	7,803	0	2,680	5,123	4	0	4	0
Department of Energy	369 i	310 i	0 i	59 i	361 i	303 i	0 i	58 i	7 i	6 i	0 i	1 i	1 i	1 i	0 i	0 i
National Energy Technology Laboratory	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Health and Human Services	26,575	11,064 i	12,571	2,940	13,523	7,731 i	4,521	1,271	6,616	908 i	4,121	1,587 i	6,436	2,425	3,929	82 i

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Centers for Disease Control and Prevention	1,118	582	361	175	992	561	304	127	35	3	31 i	1	91	18	26 i	47 i
National Center for Emerging and Zoonotic Infectious Diseases	440	215	156	69	440	215	156	69	0	0	0	0	0	0	0	0
National Center for HIV, Viral Hepatitis, STD, and Tuberculosis Prevention	221	51 i	95 i	75 i	150	51 i	62 i	37 i	19	0 i	19 i	0 i	52	0 i	14 i	38 i
National Center on Birth Defects and Developmental Disabilities	7	6	1	0	7	6	1	0	0	0	0	0	0	0	0	0
National Institute for Occupational Safety and Health	450	310	109	31	395	289	85	21	16	3	12	1	39	18	12	9
Food and Drug Administration	4,278	2,982	1,049	247	3,500	2,623	640	237	247	128	109	10	531	231	300	0
Center for Biologics Evaluation and Research	411	230	160	21	328	230	77	21	20	0	20	0	63	0	63	0
Center for Devices and Radiological Health	237	215	1	21	178	157	0	21	59	58	1	0	0	0	0	0
Center for Drug Evaluation and Research	2,091	1,482	509	100	1,594	1,234	266	94	31	18	7	6	466	230	236	0
Center for Food Safety and Applied Nutrition	270	218	40	12	218	178	30	10	52	40	10	2	0	0	0	0
Center for Tobacco Products	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Center for Veterinary Medicine	83	75	0	8	83	75	0	8	0	0	0	0	0	0	0	0
National Center for Toxicological Research	351	137	188	26	287	137	124	26	64	0	64	0	0	0	0	0
Office of Regulatory Affairs	32	30 i	1 i	1 i	29 i	27 i	1 i	1 i	3 i	3 i	0 i	0 i	0 i	0 i	0 i	0 i
Oncology Center of Excellence	15	10	0	5	13	9	0	4	2	1	0	1	0	0	0	0
National Institutes of Health	21,179	7,500 i	11,161	2,518	9,031	4,547 i	3,577	907	6,334	777 i	3,981	1,576 i	5,814	2,176 i	3,603	35
Clinical Center	3,684	31	3,490	163	2,146	31	1,973	142	751	0	730	21	787	0	787	0
Eunice Kennedy Shriver National Institute of Child Health and Human Development	824	78	669	77	288	78	159	51	229	0	203	26	307	0	307	0
National Cancer Institute	5,480	2,533 i	2,648 i	299 i	1,929	1,929 i	0 i	0 i	1,925	96 i	1,541 i	288 i	1,626	508 i	1,107 i	11 i
National Center for Advancing Translational Sciences	320	145	166	9	119	33	82	4	89	0	84	5	112	112	0	0
National Center for Complementary and Integrative Health	63	5	44	14	19	5	6	8	9	0	3	6	35	0	35	0
National Eye Institute	627	64	492	71	196	57	120	19	227	7	168	52	204	0	204	0
National Heart, Lung, and Blood Institute	821	821 i	0 i	0 i	484	484 i	0 i	0 i	167	167 i	0 i	0 i	170	170 i	0 i	0 i
National Human Genome Research Institute	694	47	595	52	276	47	190	39	109	0	96	13	309	0	309	0
National Institute of Allergy and Infectious Diseases	2,363	728	1,206	429	973	449	332	192	777	0	540	237	613	279	334	0
National Institute of Arthritis and Musculoskeletal and Skin Diseases	296	140	111	45	154	97	26	31	41	10	17	14	101	33	68	0
National Institute of Biomedical Imaging and Bioengineering	65	47	1	17	47	47	0	0	1	0	1	0	17	0	0	17
National Institute of Dental and Craniofacial Research	408	201 i	142 i	65 i	248	162 i	32 i	54 i	43	2 i	31 i	10 i	117	37 i	79 i	1 i
National Institute of Diabetes and Digestive and Kidney Diseases	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Environmental Health Sciences	821	505	176	140	479	219	159	101	73	17	17	39	269	269	0	0
National Institute of Mental Health	71	24	38	9	31	19	9	3	25	2	17	6	15	3	12	0
National Institute of Neurological Disorders and Stroke	1,007	400	358	249	372	134	150	88	241	0	86	155	394	266	122	6
National Institute of Nursing Research	20	3	14	3	14	3	8	3	0	0	0	0	6	0	6	0
National Institute on Aging	81	81	0	0	30	30	0	0	51	51	0	0	0	0	0	0

Table 8. Federal facility R&D personnel headcount, by job category and R&D function: FY 2024

(Number)

Agency or facility	All job categories				Federal employees and military personnel				Contractors				All other R&D personnel			
	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff
National Institute on Alcohol Abuse and Alcoholism	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute on Deafness and Other Communication Disorders	189	127	35	27	80	51	11	18	38	5	24	9	71	71	0	0
National Institute on Drug Abuse	403	22	312	69	140	22	93	25	110	0	66	44	153	0	153	0
National Institute on Minority Health and Health Disparities	61	60	0	1	14	13	0	1	9	9	0	0	38	38	0	0
National Library of Medicine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Homeland Security	563	206	335	22	224	206	2	16	339	0	333	6	0	0	0	0
Coast Guard	88	64	2	22	82	64	2	16	6	0	0	6	0	0	0	0
Acquisition Directorate, Research and Development Center	88	64	2	22	82	64	2	16	6	0	0	6	0	0	0	0
Science and Technology Directorate	475	142	333	0	142	142	0	0	333	0	333	0	0	0	0	0
Office of National Laboratories	475	142	333	0	142	142	0	0	333	0	333	0	0	0	0	0
Chemical Security Analysis Center	34	16	18	0	16	16	0	0	18	0	18	0	0	0	0	0
National Urban Security Technology Laboratory	47	31	16	0	31	31	0	0	16	0	16	0	0	0	0	0
Plum Island Animal Disease Center	239	34	205	0	34	34	0	0	205	0	205	0	0	0	0	0
Transportation Security Laboratory	155	61	94	0	61	61	0	0	94	0	94	0	0	0	0	0
Department of the Interior	3,535 i	2,423 i	278 i	834 i	3,513 i	2,414 i	268 i	831 i	11 i	2 i	6 i	3 i	11 i	7 i	4 i	0 i
Bureau of Land Management	2	1	0	1	2	1	0	1	0	0	0	0	0	0	0	0
Bureau of Reclamation	202	156	31	15	202	156	31	15	0	0	0	0	0	0	0	0
Fish and Wildlife Service	44 i	33 i	6 i	5 i	43 i	32 i	6 i	5 i	0 i	0 i	0 i	0 i	1 i	1 i	0 i	0 i
Geological Survey	3,277 i	2,233 i	241 i	803 i	3,256 i	2,225 i	231 i	800 i	11 i	2 i	6 i	3 i	10 i	6 i	4 i	0 i
Core Science Systems Mission Area	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ecosystems Mission Area	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Energy and Minerals Mission Area	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Natural Hazards Mission Area	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Water Resources Mission Area	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Park Service	10	0	0	10	10	0	0	10	0	0	0	0	0	0	0	0
Department of Transportation	1,037 i	824 i	114 i	99 i	910 i	772 i	59 i	79 i	122	48	54	20	5 i	4 i	1 i	0 i
Federal Aviation Administration	374 i	256 i	72 i	46 i	339 i	242 i	59 i	38 i	32 i	12 i	12 i	8 i	3 i	2 i	1 i	0 i
Office of Aerospace Medicine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of NextGen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Federal Highway Administration	332 i	306 i	2 i	24 i	326 i	303 i	0 i	23 i	5 i	2 i	2 i	1 i	1 i	1 i	0 i	0 i
Intelligence Transportation Systems Joint Program Office	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Administrations	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Operations	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Planning	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Research, Development, and Technology	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 8. Federal facility R&D personnel headcount, by job category and R&D function: FY 2024

(Number)

Agency or facility	All job categories				Federal employees and military personnel				Contractors				All other R&D personnel			
	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff
National Highway Traffic Safety Administration	127	73	40	14	42	39	0	3	85	34	40	11	0	0	0	0
Office of Vehicle Safety Research	127	73	40	14	42	39	0	3	85	34	40	11	0	0	0	0
Vehicle Research and Test Center	127	73	40	14	42	39	0	3	85	34	40	11	0	0	0	0
Office of the Secretary for Research and Technology	204 i	189 i	0 i	15 i	203 i	188 i	0 i	15 i	0 i	0 i	0 i	0 i	1 i	1 i	0 i	0 i
John A. Volpe National Transportation Systems Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Veterans Affairs	4,897	539	3,036	1,322	4,897	539	3,036	1,322	0	0	0	0	0	0	0	0
Office of Research and Development Central Office	146	1	55	90	146	1	55	90	0	0	0	0	0	0	0	0
Veterans Integrated Services Network (VISN) 1: New England Health Care System	824	57	525	242	824	57	525	242	0	0	0	0	0	0	0	0
Bedford Health Care System	81	1	64	16	81	1	64	16	0	0	0	0	0	0	0	0
Boston Health Care System, Jamaica Plain Campus	495	24	318	153	495	24	318	153	0	0	0	0	0	0	0	0
Central Western Massachusetts Health Care	8	1	6	1	8	1	6	1	0	0	0	0	0	0	0	0
Connecticut Health Care System, West Haven Medical Center	128	22	57	49	128	22	57	49	0	0	0	0	0	0	0	0
Manchester Medical Center	2	0	0	2	2	0	0	2	0	0	0	0	0	0	0	0
Providence Medical Center	81	8	57	16	81	8	57	16	0	0	0	0	0	0	0	0
Togus Maine Health Care System	6	0	5	1	6	0	5	1	0	0	0	0	0	0	0	0
White River Junction Medical Center	23	1	18	4	23	1	18	4	0	0	0	0	0	0	0	0
VISN 2: New York/ New Jersey Veterans Health Care Network	104	16	57	31	104	16	57	31	0	0	0	0	0	0	0	0
Bronx Health Care, James J. Peters Medical Center	50	4	34	12	50	4	34	12	0	0	0	0	0	0	0	0
New Jersey Health Care	16	5	9	2	16	5	9	2	0	0	0	0	0	0	0	0
New York Harbor Health Care	14	2	5	7	14	2	5	7	0	0	0	0	0	0	0	0
Northport Medical Center	5	2	2	1	5	2	2	1	0	0	0	0	0	0	0	0
Western New York Health Care, Buffalo Medical Center	19	3	7	9	19	3	7	9	0	0	0	0	0	0	0	0
VISN 4: Health Care	164	12	118	34	164	12	118	34	0	0	0	0	0	0	0	0
Coatesville Medical Center	4 i	1 i	2 i	1 i	4 i	1 i	2 i	1 i	0	0	0	0	0	0	0	0
Philadelphia Health Care, Corporal Michael J. Crescenz Medical Center	57	3	49	5	57	3	49	5	0	0	0	0	0	0	0	0
Pittsburgh Medical Center-University Drive	103	8	67	28	103	8	67	28	0	0	0	0	0	0	0	0
VISN 5: Capitol Health Care Network	110	26	38	46	110	26	38	46	0	0	0	0	0	0	0	0
Huntington Health Care, Hershel (Woody) Williams Medical Center	3	1	0	2	3	1	0	2	0	0	0	0	0	0	0	0
Maryland Health Care, Baltimore Medical Center	76	23	25	28	76	23	25	28	0	0	0	0	0	0	0	0
Washington DC Health Care, Washington Medical Center	31	2	13	16	31	2	13	16	0	0	0	0	0	0	0	0
VISN 6: Mid-Atlantic Health Care Network	210	22	136	52	210	22	136	52	0	0	0	0	0	0	0	0
Asheville Health Care, Charles George Medical Center	10	0	9	1	10	0	9	1	0	0	0	0	0	0	0	0
Durham Medical Center	141	13	96	32	141	13	96	32	0	0	0	0	0	0	0	0
Hampton Medical Center	7 i	1 i	3 i	3 i	7 i	1 i	3 i	3 i	0	0	0	0	0	0	0	0

Table 8. Federal facility R&D personnel headcount, by job category and R&D function: FY 2024

(Number)

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	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff
Richmond Health Care, Hunter Holmes McGuire Hospital	31	7	12	12	31	7	12	12	0	0	0	0	0	0	0	0
Salem Medical Center	4	0	1	3	4	0	1	3	0	0	0	0	0	0	0	0
Salisbury Health Care, W.G. (Bill) Hefner Salisbury Medical Center	17	1	15	1	17	1	15	1	0	0	0	0	0	0	0	0
VISN 7: Southeast Network	269	39	168	62	269	39	168	62	0	0	0	0	0	0	0	0
Atlanta Medical Center	95	16	66	13	95	16	66	13	0	0	0	0	0	0	0	0
Augusta Health Care, Charlie Norwood Medical Center	18	11	5	2	18	11	5	2	0	0	0	0	0	0	0	0
Birmingham Medical Center	26	6	12	8	26	6	12	8	0	0	0	0	0	0	0	0
Charleston Health Care, Ralph H. Johnson Medical Center	107	5	72	30	107	5	72	30	0	0	0	0	0	0	0	0
Columbia South Carolina Health Care, William Jennings Bryan Dorn Medical Center	12	1	6	5	12	1	6	5	0	0	0	0	0	0	0	0
Tuscaloosa Medical Center	11	0	7	4	11	0	7	4	0	0	0	0	0	0	0	0
VISN 8: Sunshine Health Care Network	196	24	130	42	196	24	130	42	0	0	0	0	0	0	0	0
Bay Pines Health Care System	11	2	8	1	11	2	8	1	0	0	0	0	0	0	0	0
Caribbean Health Care System	5	0	1	4	5	0	1	4	0	0	0	0	0	0	0	0
Miami Health Care System	51	1	42	8	51	1	42	8	0	0	0	0	0	0	0	0
North Florida/ South Georgia Health Care System	60	3	43	14	60	3	43	14	0	0	0	0	0	0	0	0
Orlando Medical Center	9 i	1 i	5 i	3 i	9 i	1 i	5 i	3 i	0	0	0	0	0	0	0	0
Tampa Health Care, James A. Haley Veterans' Hospital	60	17	31	12	60	17	31	12	0	0	0	0	0	0	0	0
VISN 9: MidSouth Health Care Network	124	31	49	44	124	31	49	44	0	0	0	0	0	0	0	0
Lexington Medical Center (Troy Bowling Campus)	13	6	3	4	13	6	3	4	0	0	0	0	0	0	0	0
Louisville Health Care, Robley Rex Medical Center	13	1	5	7	13	1	5	7	0	0	0	0	0	0	0	0
Memphis Medical Center	24	4	11	9	24	4	11	9	0	0	0	0	0	0	0	0
Mountain Home Health Care, James H. Quillen Medical Center	12	1	4	7	12	1	4	7	0	0	0	0	0	0	0	0
Tennessee Valley Health Care, Nashville Medical Center	62	19	26	17	62	19	26	17	0	0	0	0	0	0	0	0
VISN 10: Health Care System	378	31	223	124	378	31	223	124	0	0	0	0	0	0	0	0
Ann Arbor Health Care System	129	13	97	19	129	13	97	19	0	0	0	0	0	0	0	0
Battle Creek Medical Center	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0
Cincinnati Medical Center	22	0	16	6	22	0	16	6	0	0	0	0	0	0	0	0
Dayton Medical Center	5	0	2	3	5	0	2	3	0	0	0	0	0	0	0	0
Detroit Health Care, John D. Dingell Medical Center	15	0	10	5	15	0	10	5	0	0	0	0	0	0	0	0
Indiana Health Care, Richard L. Roudebush Medical Center	79	8	46	25	79	8	46	25	0	0	0	0	0	0	0	0
Northeast Ohio Health Care, Louis Stokes Cleveland Medical Center	127	10	52	65	127	10	52	65	0	0	0	0	0	0	0	0
VISN 12: Great Lakes Health Care System	233	27	110	96	233	27	110	96	0	0	0	0	0	0	0	0
Chicago Health Care, Jesse Brown Medical Center	42	22	16	4	42	22	16	4	0	0	0	0	0	0	0	0
Hines Health Care, Edward Hines Junior Hospital	134	0	60	74	134	0	60	74	0	0	0	0	0	0	0	0

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	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff
Madison Health Care, William S. Middleton Memorial Veterans' Hospital	42	4	26	12	42	4	26	12	0	0	0	0	0	0	0	0
Milwaukee Health Care, Clement J. Zablocki Medical Center	15	1	8	6	15	1	8	6	0	0	0	0	0	0	0	0
VISN 15: Heartland Health Care Network	47	5	22	20	47	5	22	20	0	0	0	0	0	0	0	0
Kansas City Medical Center	34	4	20	10	34	4	20	10	0	0	0	0	0	0	0	0
St. Louis Health Care, John J. Cochran Veterans Hospital	13	1	2	10	13	1	2	10	0	0	0	0	0	0	0	0
VISN 16: South Central Health Care Network	209	21	153	35	209	21	153	35	0	0	0	0	0	0	0	0
Central Arkansas Health Care, Eugene J. Towbin Health Care Center	72	8	51	13	72	8	51	13	0	0	0	0	0	0	0	0
Houston Health Care, Michael E. DeBakey Medical Center	108	2	92	14	108	2	92	14	0	0	0	0	0	0	0	0
Jackson Health Care, G.V. (Sonny) Montgomery Medical Center	3	1	0	2	3	1	0	2	0	0	0	0	0	0	0	0
Shreveport Health Care, Overton Brooks Medical Center	2	0	2	0	2	0	2	0	0	0	0	0	0	0	0	0
Southeast Louisiana Health Care System	24	10	8	6	24	10	8	6	0	0	0	0	0	0	0	0
VISN 17: Heart of Texas Health Care Network	64	3	40	21	64	3	40	21	0	0	0	0	0	0	0	0
Central Texas Health Care	2	0	2	0	2	0	2	0	0	0	0	0	0	0	0	0
North Texas, Dallas Medical Center	29	2	13	14	29	2	13	14	0	0	0	0	0	0	0	0
South Texas Health Care	33	1	25	7	33	1	25	7	0	0	0	0	0	0	0	0
VISN 19: Rocky Mountain Network	312	41	190	81	312	41	190	81	0	0	0	0	0	0	0	0
Eastern Colorado, Rocky Mountain Regional Medical Center	153	32	86	35	153	32	86	35	0	0	0	0	0	0	0	0
Eastern Oklahoma, Jack C. Montgomery Medical Center	2	0	0	2	2	0	0	2	0	0	0	0	0	0	0	0
Oklahoma City Medical Center	24	7	11	6	24	7	11	6	0	0	0	0	0	0	0	0
Salt Lake City Health Care	133	2	93	38	133	2	93	38	0	0	0	0	0	0	0	0
VISN 20: Northwest Network	482	46	366	70	482	46	366	70	0	0	0	0	0	0	0	0
Boise Medical Center	11	4	6	1	11	4	6	1	0	0	0	0	0	0	0	0
Portland Health Care System	184	29	113	42	184	29	113	42	0	0	0	0	0	0	0	0
Puget Sound Health Care, Seattle Medical Center	287	13	247	27	287	13	247	27	0	0	0	0	0	0	0	0
VISN 21: Sierra Pacific Network	335	36	236	63	335	36	236	63	0	0	0	0	0	0	0	0
Central California Health Care System	5 i	1 i	2 i	2 i	5 i	1 i	2 i	2 i	0	0	0	0	0	0	0	0
Northern California Health Care System	22	6	10	6	22	6	10	6	0	0	0	0	0	0	0	0
Pacific Islands Health Care System	14 i	2 i	8 i	4 i	14 i	2 i	8 i	4 i	0	0	0	0	0	0	0	0
Palo Alto Health Care System	204	2	163	39	204	2	163	39	0	0	0	0	0	0	0	0
San Francisco Health Care System	84	25	47	12	84	25	47	12	0	0	0	0	0	0	0	0
Sierra Nevada Health Care System	3	0	3	0	3	0	3	0	0	0	0	0	0	0	0	0
Southern Nevada Health Care System	3	0	3	0	3	0	3	0	0	0	0	0	0	0	0	0
VISN 22: Desert Pacific Health Care Network	456	75	270	111	456	75	270	111	0	0	0	0	0	0	0	0
Greater Los Angeles, West Los Angeles Medical Center	170	22	119	29	170	22	119	29	0	0	0	0	0	0	0	0
Loma Linda Health Care System	10	3	5	2	10	3	5	2	0	0	0	0	0	0	0	0

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Long Beach Health Care System	35	5	29	1	35	5	29	1	0	0	0	0	0	0	0	0
New Mexico Health Care System	102	24	18	60	102	24	18	60	0	0	0	0	0	0	0	0
Phoenix Health Care System	8	0	4	4	8	0	4	4	0	0	0	0	0	0	0	0
San Diego Health Care System	122	20	88	14	122	20	88	14	0	0	0	0	0	0	0	0
Southern Arizona Health Care System	9	1	7	1	9	1	7	1	0	0	0	0	0	0	0	0
VISN 23: Midwest Health Care Network	234	26	150	58	234	26	150	58	0	0	0	0	0	0	0	0
Fargo Health Care System	4 i	0 i	2 i	2 i	4 i	0 i	2 i	2 i	0	0	0	0	0	0	0	0
Minneapolis Health Care System	148	11	109	28	148	11	109	28	0	0	0	0	0	0	0	0
Nebraska-Western Iowa Health Care System	77	15	36	26	77	15	36	26	0	0	0	0	0	0	0	0
Sioux Falls Health Care System	3	0	2	1	3	0	2	1	0	0	0	0	0	0	0	0
St. Cloud Health Care	2 i	0 i	1 i	1 i	2 i	0 i	1 i	1 i	0	0	0	0	0	0	0	0
Other agencies	29,308 i	17,559 i	7,581 i	4,168 i	29,210 i	17,522 i	7,532 i	4,156 i	64 i	12 i	40 i	12 i	34 i	25 i	9 i	0 i
Environmental Protection Agency	1,340	804	345	191	1,340	804	345	191	0	0	0	0	0	0	0	0
Center for Computational Toxicology and Exposure	224	108	92	24	224	108	92	24	0	0	0	0	0	0	0	0
Center for Environmental Measurement and Modeling	372	243	99	30	372	243	99	30	0	0	0	0	0	0	0	0
Center for Environmental Solutions and Emergency Response	267	166	72	29	267	166	72	29	0	0	0	0	0	0	0	0
Center for Public Health and Environmental Assessment	394	287	74	33	394	287	74	33	0	0	0	0	0	0	0	0
Office of Science Advisor, Policy, and Engagement	83	0	8	75	83	0	8	75	0	0	0	0	0	0	0	0
Federal Trade Commission	4	2	2	0	4	2	2	0	0	0	0	0	0	0	0	0
Library of Congress	93 i	58 i	16 i	19 i	90 i	57 i	14 i	19 i	1 i	1 i	0 i	0 i	2 i	0 i	2 i	0 i
National Aeronautics and Space Administration	25,211 i	15,104 i	6,523 i	3,584 i	25,155 i	15,085 i	6,495 i	3,575 i	41 i	8 i	24 i	9 i	15 i	11 i	4 i	0 i
Ames Research Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Armstrong (Dryden) Flight Research Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Glenn Research Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Goddard Space Flight Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Johnson Space Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Kennedy Space Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Langley Research Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Marshall Space Flight Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NASA Headquarters	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Stennis Space Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Smithsonian Institution	2,660 i	1,591 i	695 i	374 i	2,621 i	1,574 i	676 i	371 i	22 i	3 i	16 i	3 i	17 i	14 i	3 i	0 i
Office of Academic, Interns, and Fellowship	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Under Secretary for Finance and Administration	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Information Technology	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 8. Federal facility R&D personnel headcount, by job category and R&D function: FY 2024

(Number)

Agency or facility	All job categories				Federal employees and military personnel				Contractors				All other R&D personnel			
	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff	All	Researchers	R&D technicians	R&D support staff
Under Secretary for Museums and Culture	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Asian Pacific American Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Museum of African American History	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Museum of Asian Art	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Museum of African Art	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Museum of American History	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Museum of American Indian	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Museum of American Latino	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Portrait Gallery	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Postal Museum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Smithsonian American Art Museum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Smithsonian American Women’s History Museum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Under Secretary for Science and Research	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Museum Conservation Institute	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Air and Space Museum	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Museum of Natural History	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Zoological Park/ Smithsonian Conservation Biology Institute	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of Global Affairs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Smithsonian Astrophysical Observatory	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Smithsonian Environmental Research Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Smithsonian Libraries and Archives	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Smithsonian Tropical Research Institute	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

i = more than 50% of the estimate is imputed, including cases where there is only one facility listed and its data are imputed. NA = not available; imputed data not reported at this level.

[a] Naval Medical Research Command headquarters and its subfacilities responded separately to the survey. Data displayed for the Naval Medical Research Command are for the headquarters only.

Source(s):
National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey, FY 2024.

Table 9. Federal facility R&D federal personnel FTEs, by R&D function: FY 2024

(Number)

Agency or facility	All R&D FTEs	R&D function					
		Researchers		R&D technicians		R&D support staff	
All agencies	101,257.0	51,614.8	i	30,584.4		19,057.8	
Department of Agriculture	7,382.1	3,049.0		2,920.7		1,412.4	
Agricultural Research Service	4,986.0	1,608.0		2,444.0		934.0	
Midwest Area	825.0	267.0		401.0		157.0	
Northeast Area	888.0	324.0		391.0		173.0	
Pacific West Area	1,029.0	340.0		538.0		151.0	
Plains Area	1,036.0	311.0		491.0		234.0	
Southeast Area	1,208.0	366.0		623.0		219.0	
Animal and Plant Health Inspection Service	307.3	92.3		108.2		106.8	
Forest Pest Methods Laboratory	40.0	16.0		19.0		5.0	
Insect Management and Molecular Diagnostics Laboratory	24.0	12.0		9.0		3.0	
National Veterinary Services Laboratories/ Center for Veterinary Biologics	75.6	25.0		43.1		7.5	
National Wildlife Research Center	147.0	24.0		33.0		90.0	
Plant Pathogen Confirmatory Diagnostics Laboratory	14.8	11.0		3.0		0.8	
Treatment and Inspection Methods Laboratory	NA	NA		NA		NA	
Economic Research Service	293.0	220.0		0.0		73.0	
Forest Service	1,663.1	1,051.1		316.7		295.3	
Forest Products Laboratory	125.3	76.3		17.0		32.0	
International Institute of Tropical Forestry	45.0	14.0		6.0		25.0	
Northern Research Station	355.3	199.9		90.4		65.0	
Pacific Northwest Research Station	282.3	170.1		62.9		49.3	
Pacific Southwest Research Station	118.7	74.5		23.2		21.0	
Rocky Mountain Research Station	388.6	258.3		74.3		56.0	
Southern Research Station	280.9	198.0		42.9		40.0	
Washington Office Research and Development	67.0	60.0		0.0		7.0	
National Agricultural Statistics Service	50.0	26.0		23.0		1.0	
Natural Resources Conservation Service	82.7	51.6		28.8		2.3	
Plant Materials Center	74.3	43.7		28.8		1.8	
Soil Science Research Branch	8.4	7.9		0.0		0.5	
Department of Commerce	4,576.3	3,505.8		354.2		716.3	
Census Bureau	738.7	737.1	i	1.6	i	0.0	i
National Institute of Standards and Technology	2,138.0	1,729.0		122.0		287.0	
National Oceanic and Atmospheric Administration	1,675.6	1,039.7		212.6		423.3	
National Environmental Satellite, Data, and Information Service	71.3	52.1		1.0		18.2	
Center for Satellite Applications and Research	65.0	48.0		1.0		16.0	
National Centers for Environmental Information	6.3	4.1	i	0.0	i	2.2	i
National Marine Fisheries Service	362.0	264.7		76.7		20.6	

Table 9. Federal facility R&D federal personnel FTEs, by R&D function: FY 2024

(Number)

Agency or facility	All R&D FTEs	R&D function		
		Researchers	R&D technicians	R&D support staff
Alaska Fisheries Science Center	46.0	42.0	3.0	1.0
Northeast Fisheries Science Center	52.2	52.2	0.0	0.0
Northwest Fisheries Science Center	71.0	71.0	0.0	0.0
Office of Protected Resources	0.2	0.0	0.0	0.2
Office of Science and Technology	2.0	0.0	2.0	0.0
Office of Sustainable Fisheries	0.0	0.0	0.0	0.0
Pacific Island Fisheries Science Center	5.8	5.8	0.0	0.0
Southeast Fisheries Science Center	141.8	63.7	61.7	16.4
Southwest Fisheries Science Center	43.0	30.0	10.0	3.0
National Ocean Service	205.3	168.9	5.9	30.5
Center for Operational Oceanographic Products and Services	6.4	6.4	0.0	0.0
National Centers for Coastal Ocean Science	152.4	122.2	3.0	27.2
National Geodetic Survey	29.4	26.3	1.7	1.4
Office for Coastal Management	0.8	0.7	0.0	0.1
Office of Response and Restoration	2.3	2.3	0.0	0.0
Office of the Coast Survey	14.0	11.0	1.2	1.8
National Weather Service	88.0	39.0	35.0	14.0
National Centers for Environmental Prediction	10.0	10.0	0.0	0.0
Office of Science and Technology Integration	78.0	29.0	35.0	14.0
Oceanic and Atmospheric Research	818.0	515.0	94.0	209.0
Air Resources Laboratory	34.0	22.0	3.0	9.0
Atlantic Oceanographic and Meteorological Laboratory	64.0	42.0	12.0	10.0
Chemical Sciences Laboratory	44.0	33.0	5.0	6.0
Climate Program Office	54.0	28.0	3.0	23.0
Earth System Research Laboratories	13.0	0.0	2.0	11.0
Geophysical Fluid Dynamics Laboratory	108.0	77.0	16.0	15.0
Global Monitoring Laboratory	48.0	33.0	7.0	8.0
Global Ocean Monitoring and Observing Program	9.0	7.0	0.0	2.0
Global Systems Laboratory	61.0	40.0	6.0	15.0
Great Lakes Environmental Research Laboratory	55.0	30.0	8.0	17.0
National Sea Grant College Program	38.0	17.0	0.0	21.0
National Severe Storms Laboratory	63.0	45.0	7.0	11.0
Ocean Acidification Program	8.0	7.0	0.0	1.0
Office of Ocean Exploration and Research	33.0	17.0	0.0	16.0
Office of Research Transition and Application	18.0	4.0	4.0	10.0
Pacific Marine Environment Laboratory	67.0	39.0	17.0	11.0
Physical Sciences Laboratory	72.0	55.0	3.0	14.0

Table 9. Federal facility R&D federal personnel FTEs, by R&D function: FY 2024

(Number)

Agency or facility	All R&D FTEs		R&D function					
			Researchers		R&D technicians		R&D support staff	
Weather Program Office	29.0		19.0		1.0		9.0	
Office of Marine and Aviation Operations	131.0		0.0		0.0		131.0	
National Oceanic and Atmospheric Administration Corps	131.0		0.0		0.0		131.0	
National Telecommunications and Information Administration	24.0		0.0		18.0		6.0	
Institute for Telecommunication Sciences	24.0		0.0		18.0		6.0	
Department of Defense	54,981.3		26,218.9		16,788.3	i	11,974.1	i
Defense Information Systems Agency	266.0		0.0		222.1		43.9	
Department of the Air Force	17,129.5		1,083.7	i	10,547.6	i	5,498.2	i
Air Combat Command	NA		NA		NA		NA	
Air Education Training Command	0.0		0.0		0.0		0.0	
Air Force - Manpower and Reserve Affairs	1.0		0.0	i	1.0	i	0.0	i
Air Force Global Strike Command	7.0		0.0		0.0		7.0	
Air Force Operational Test and Evaluation	229.2		0.0		229.2		0.0	
Air Force Transportation Command	52.0		3.0	i	33.0	i	16.0	i
HQ Air Force Materiel Command	14,356.0		895.0	i	8,947.0	i	4,514.0	i
Air Force Materiel Command (AFMC)	10,340.0		645.0	i	6,444.0	i	3,251.0	i
Air Force Research Lab - U.S. Air Force projects	4,016.0		250.0	i	2,503.0	i	1,263.0	i
Space Force	2,457.5		184.0		1,320.7		952.8	
Air Force Research Lab - U.S. Space Force projects	551.0		34.0	i	344.0	i	173.0	i
Space Development Agency	148.0		9.0	i	92.0	i	47.0	i
Space Operations Command	70.7		60.0		2.7		8.0	
Space Systems Command	1,687.8		81.0		882.0		724.8	
U.S. Space Command	NA		NA		NA		NA	
Department of the Army	14,381.1		9,235.7		1,737.1		3,408.3	
Army Cyber Command	NA		NA		NA		NA	
Army Engineer Research and Development Center	1,958.0		1,528.0		205.0		225.0	
Army Medical Research and Development Command	2,280.0		1,135.0		115.0		1,030.0	
Army Research Institute for the Behavioral and Social Sciences	100.0		78.0		0.0		22.0	
Combat Capabilities Development Command (DEVCOM)	8,517.1		5,534.3	i	1,247.5		1,735.3	i
Armaments Center	831.0		578.0		72.0		181.0	
Army Research Laboratory	1,580.0		1,129.0	i	139.0	i	312.0	i
Aviation and Missile Center	1,172.8		1,006.1	i	39.8	i	126.9	i
Chemical Biological Center	NA		NA		NA		NA	
Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance Center	1,894.0		944.0		658.0		292.0	
Data and Analysis Center	538.0		431.0		11.0		96.0	
DEVCOM Headquarters	28.0		0.0		0.0		28.0	
Ground Vehicle Systems Center	1,767.0		1,016.0	i	244.0	i	507.0	i

Table 9. Federal facility R&D federal personnel FTEs, by R&D function: FY 2024

(Number)

Agency or facility	All R&D FTEs		R&D function					
			Researchers		R&D technicians		R&D support staff	
Soldier Center	470.0		315.0		0.0		155.0	
Space and Missile Defense Command	213.3		146.3		2.0		65.0	
Department of the Navy	19,988.0		15,899.5		1,603.5		2,485.0	
Bureau of Medicine and Surgery	380.1		117.7		82.1		180.3	
Naval Medical Research Command[a]	380.1		117.7		82.1		180.3	
Naval Health Research Center	92.0		45.0		1.0		46.0	
Naval Medical Research Unit - Dayton	NA		NA		NA		NA	
Naval Medical Research Unit - INDO PACIFIC	NA		NA		NA		NA	
Naval Medical Research Unit - San Antonio	NA		NA		NA		NA	
Naval Medical Research Unit - South	139.0		10.0		61.0		68.0	
Naval Submarine Medical Research Laboratory	41.4		10.8		1.0		29.6	
Marine Corps	10.0		2.0		8.0		0.0	
Naval Air Warfare Center Aircraft Division	5,624.8		3,811.4		423.8		1,389.6	
Naval Air Warfare Center Weapon Division	3,958.0		2,548.3		792.6		617.1	
Naval Facilities Engineering and Expeditionary Warfare Center	433.0		333.0		50.0		50.0	
Naval Information Warfare Systems Command	1,744.0		1,411.0		198.0		135.0	
Naval Information Warfare Center Atlantic	597.0		359.0		170.0		68.0	
Naval Information Warfare Center Pacific	1,147.0		1,052.0		28.0		67.0	
Naval Observatory	0.0		0.0		0.0		0.0	
Naval Oceanographic Office	2.0		2.0		0.0		0.0	
Naval Sea Systems Command Warfare Centers	6,183.1		6,183.1	i	0.0	i	0.0	i
Naval Surface Warfare Center	5,011.0		5,011.0	i	0.0	i	0.0	i
Naval Undersea Warfare Center	1,172.1		1,172.1	i	0.0	i	0.0	i
Office of Naval Research	1,653.0		1,491.0		49.0		113.0	
Naval Research Laboratory	1,653.0		1,491.0		49.0		113.0	
Missile Defense Agency	3,216.7		0.0		2,678.0		538.7	
Department of Energy	238.1	i	199.7	i	0.0	i	38.4	i
National Energy Technology Laboratory	NA		NA		NA		NA	
Department of Health and Human Services	10,837.2		5,939.6	i	3,845.9		1,051.7	
Centers for Disease Control and Prevention	886.1		483.1		286.0		117.0	
National Center for Emerging and Zoonotic Infectious Diseases	440.0		215.0		156.0		69.0	
National Center for HIV, Viral Hepatitis, STD, and Tuberculosis Prevention	149.5		51.0	i	61.5	i	37.0	i
National Center on Birth Defects and Developmental Disabilities	7.0		6.0		1.0		0.0	
National Institute for Occupational Safety and Health	289.6		211.1		67.5		11.0	
Food and Drug Administration	1,705.8		1,198.7		375.6		131.5	
Center for Biologics Evaluation and Research	165.9		104.5		46.5		14.9	
Center for Devices and Radiological Health	178.0		157.0		0.0		21.0	

Table 9. Federal facility R&D federal personnel FTEs, by R&D function: FY 2024

(Number)

Agency or facility	All R&D FTEs		R&D function					
			Researchers		R&D technicians		R&D support staff	
Center for Drug Evaluation and Research	261.9		173.0		76.1		12.8	
Center for Food Safety and Applied Nutrition	139.0		107.0		24.0		8.0	
Center for Tobacco Products	NA		NA		NA		NA	
Center for Veterinary Medicine	83.0		75.0		0.0		8.0	
National Center for Toxicological Research	287.0		137.0		124.0		26.0	
Office of Regulatory Affairs	20.5		19.0		1.0		0.5	
Oncology Center of Excellence	5.3		3.5		0.0		1.8	
National Institutes of Health	8,245.3		4,257.8	i	3,184.3		803.2	
Clinical Center	1,805.8		30.1		1,659.0		116.7	
Eunice Kennedy Shriver National Institute of Child Health and Human Development	284.0		78.0		155.0		51.0	
National Cancer Institute	1,873.0		1,873.0	i	0.0	i	0.0	i
National Center for Advancing Translational Sciences	111.7		31.8		76.4		3.5	
National Center for Complementary and Integrative Health	17.0		4.0		6.0		7.0	
National Eye Institute	196.0		57.0		120.0		19.0	
National Heart, Lung, and Blood Institute	484.0		484.0	i	0.0	i	0.0	i
National Human Genome Research Institute	276.0		47.0		190.0		39.0	
National Institute of Allergy and Infectious Diseases	958.0		448.0		332.0		178.0	
National Institute of Arthritis and Musculoskeletal and Skin Diseases	143.0		90.0		25.0		28.0	
National Institute of Biomedical Imaging and Bioengineering	47.0		47.0		0.0		0.0	
National Institute of Dental and Craniofacial Research	235.0		153.2	i	30.7	i	51.1	i
National Institute of Diabetes and Digestive and Kidney Diseases	NA		NA		NA		NA	
National Institute of Environmental Health Sciences	412.4		192.0		144.7		75.7	
National Institute of Mental Health	7.5		2.5		4.0		1.0	
National Institute of Neurological Disorders and Stroke	350.0		126.0		141.0		83.0	
National Institute of Nursing Research	12.5		3.0		8.0		1.5	
National Institute on Aging	9.0		9.0		0.0		0.0	
National Institute on Alcohol Abuse and Alcoholism	NA		NA		NA		NA	
National Institute on Deafness and Other Communication Disorders	61.9		42.4		6.7		12.8	
National Institute on Drug Abuse	140.0		22.0		93.0		25.0	
National Institute on Minority Health and Health Disparities	14.0		13.0		0.0		1.0	
National Library of Medicine	NA		NA		NA		NA	
Department of Homeland Security	196.8	i	178.8	i	2.0		16.0	
Coast Guard	82.0		64.0		2.0		16.0	
Acquisition Directorate, Research and Development Center	82.0		64.0		2.0		16.0	
Science and Technology Directorate	114.8	i	114.8	i	0.0	i	0.0	i
Office of National Laboratories	NA		NA		NA		NA	
Chemical Security Analysis Center	NA		NA		NA		NA	

Table 9. Federal facility R&D federal personnel FTEs, by R&D function: FY 2024

(Number)

Agency or facility	All R&D FTEs		R&D function					
			Researchers		R&D technicians		R&D support staff	
National Urban Security Technology Laboratory	NA		NA		NA		NA	
Plum Island Animal Disease Center	NA		NA		NA		NA	
Transportation Security Laboratory	NA		NA		NA		NA	
Department of the Interior	1,645.2		1,119.1	i	152.4	i	373.7	i
Bureau of Land Management	0.5		0.5		0.0		0.0	
Bureau of Reclamation	150.0		104.0		31.0		15.0	
Fish and Wildlife Service	29.7	i	21.8	i	4.3	i	3.6	i
Geological Survey	1,455.0		992.8	i	117.1	i	345.1	i
Core Science Systems Mission Area	66.0		52.2	i	1.8	i	12.0	i
Ecosystems Mission Area	691.0		469.3	i	94.9	i	126.8	i
Energy and Minerals Mission Area	160.0		127.8	i	3.7	i	28.5	i
Natural Hazards Mission Area	266.0		193.2	i	12.5	i	60.3	i
Water Resources Mission Area	272.0		150.3	i	4.2	i	117.5	i
National Park Service	10.0		0.0		0.0		10.0	
Department of Transportation	710.5	i	602.2	i	47.0	i	61.3	i
Federal Aviation Administration	279.2	i	201.6	i	47.0	i	30.6	i
Office of Aerospace Medicine	NA		NA		NA		NA	
Office of NextGen	NA		NA		NA		NA	
Federal Highway Administration	188.5	i	175.1	i	0.0	i	13.4	i
Intelligence Transportation Systems Joint Program Office	NA		NA		NA		NA	
Office of Administrations	NA		NA		NA		NA	
Office of Operations	NA		NA		NA		NA	
Office of Planning	NA		NA		NA		NA	
Office of Research, Development, and Technology	NA		NA		NA		NA	
National Highway Traffic Safety Administration	42.0		39.0		0.0		3.0	
Office of Vehicle Safety Research	42.0		39.0		0.0		3.0	
Vehicle Research and Test Center	42.0		39.0		0.0		3.0	
Office of the Secretary for Research and Technology	200.8	i	186.5	i	0.0	i	14.3	i
John A. Volpe National Transportation Systems Center	NA		NA		NA		NA	
Department of Veterans Affairs	3,412.8		438.0		2,018.9		955.9	
Office of Research and Development Central Office	139.5		1.0		52.7		85.8	
Veterans Integrated Services Network (VISN) 1: New England Health Care System	618.2		54.3		397.8		166.1	
Bedford Health Care System	48.8		1.0		38.0		9.8	
Boston Health Care System, Jamaica Plain Campus	401.0		24.0		242.8		134.2	
Central Western Massachusetts Health Care	3.4		0.4		2.0		1.0	
Connecticut Health Care System, West Haven Medical Center	83.0		19.9		56.4		6.7	
Manchester Medical Center	1.5		0.0		0.0		1.5	

Table 9. Federal facility R&D federal personnel FTEs, by R&D function: FY 2024

(Number)

Agency or facility	All R&D FTEs	R&D function		
		Researchers	R&D technicians	R&D support staff
Providence Medical Center	58.2	8.0	40.5	9.7
Togus Maine Health Care System	2.0	0.0	1.6	0.4
White River Junction Medical Center	20.3	1.0	16.5	2.8
VISN 2: New York/ New Jersey Veterans Health Care Network	82.2	10.9	46.5	24.8
Bronx Health Care, James J. Peters Medical Center	46.9	4.0	34.0	8.9
New Jersey Health Care	0.0	0.0	0.0	0.0
New York Harbor Health Care	12.7	2.0	4.2	6.5
Northport Medical Center	3.6	1.9	1.3	0.4
Western New York Health Care, Buffalo Medical Center	19.0	3.0	7.0	9.0
VISN 4: Health Care	98.9	9.6	67.1	22.2
Coatesville Medical Center	0.5	0.2	0.3	0.0
Philadelphia Health Care, Corporal Michael J. Crescenz Medical Center	33.0	3.0	25.9	4.1
Pittsburgh Medical Center-University Drive	65.4	6.4	40.9	18.1
VISN 5: Capitol Health Care Network	98.8	22.0	32.3	44.5
Huntington Health Care, Hershel (Woody) Williams Medical Center	1.8	0.5	0.0	1.3
Maryland Health Care, Baltimore Medical Center	67.9	19.5	21.2	27.2
Washington DC Health Care, Washington Medical Center	29.1	2.0	11.1	16.0
VISN 6: Mid-Atlantic Health Care Network	80.5 i	19.4 i	36.6 i	24.5
Asheville Health Care, Charles George Medical Center	6.2	0.0	5.4	0.8
Durham Medical Center	NA	NA	NA	NA
Hampton Medical Center	2.2	0.1	0.0	2.1
Richmond Health Care, Hunter Holmes McGuire Hospital	26.1	5.3	10.6	10.2
Salem Medical Center	1.8	0.0	0.6	1.2
Salisbury Health Care, W.G. (Bill) Hefner Salisbury Medical Center	NA	NA	NA	NA
VISN 7: Southeast Network	177.1	24.1	111.9	41.1
Atlanta Medical Center	69.2	13.8	50.5	4.9
Augusta Health Care, Charlie Norwood Medical Center	9.6	4.8	2.8	2.0
Birmingham Medical Center	20.4	3.7	10.2	6.5
Charleston Health Care, Ralph H. Johnson Medical Center	59.5	1.5	37.2	20.8
Columbia South Carolina Health Care, William Jennings Bryan Dorn Medical Center	7.4	0.3	4.2	2.9
Tuscaloosa Medical Center	11.0	0.0	7.0	4.0
VISN 8: Sunshine Health Care Network	116.8	14.2	81.3	21.3
Bay Pines Health Care System	7.7	1.1	5.9	0.7
Caribbean Health Care System	1.6	0.0	0.6	1.0
Miami Health Care System	39.0	0.6	31.8	6.6
North Florida/ South Georgia Health Care System	30.5	1.5	28.2	0.8
Orlando Medical Center	3.0	0.0	2.1	0.9

Table 9. Federal facility R&D federal personnel FTEs, by R&D function: FY 2024

(Number)

Agency or facility	All R&D FTEs	R&D function		
		Researchers	R&D technicians	R&D support staff
Tampa Health Care, James A. Haley Veterans' Hospital	35.0	11.0	12.7	11.3
VISN 9: MidSouth Health Care Network	86.3	25.2	33.1	28.0
Lexington Medical Center (Troy Bowling Campus)	10.0	4.6	1.4	4.0
Louisville Health Care, Robley Rex Medical Center	6.3	1.0	1.2	4.1
Memphis Medical Center	15.7	4.0	8.4	3.3
Mountain Home Health Care, James H. Quillen Medical Center	9.3	0.6	2.2	6.5
Tennessee Valley Health Care, Nashville Medical Center	45.0	15.0	19.9	10.1
VISN 10: Health Care System	265.7	20.2	156.0	89.5
Ann Arbor Health Care System	92.1	10.9	65.4	15.8
Battle Creek Medical Center	0.4	0.0	0.0	0.4
Cincinnati Medical Center	16.9	0.0	11.8	5.1
Dayton Medical Center	4.1	0.0	1.7	2.4
Detroit Health Care, John D. Dingell Medical Center	10.2	0.0	6.4	3.8
Indiana Health Care, Richard L. Roudebush Medical Center	49.9	3.9	28.3	17.7
Northeast Ohio Health Care, Louis Stokes Cleveland Medical Center	92.1	5.4	42.4	44.3
VISN 12: Great Lakes Health Care System	179.7	18.9	82.6	78.2
Chicago Health Care, Jesse Brown Medical Center	32.2	14.5	13.7	4.0
Hines Health Care, Edward Hines Junior Hospital	106.7	0.0	46.5	60.2
Madison Health Care, William S. Middleton Memorial Veterans' Hospital	26.2	3.4	14.4	8.4
Milwaukee Health Care, Clement J. Zablocki Medical Center	14.6	1.0	8.0	5.6
VISN 15: Heartland Health Care Network	41.2	3.0	18.3	19.9
Kansas City Medical Center	30.6	2.9	17.7	10.0
St. Louis Health Care, John J. Cochran Veterans Hospital	10.6	0.1	0.6	9.9
VISN 16: South Central Health Care Network	119.0	15.6	81.2	22.2
Central Arkansas Health Care, Eugene J. Towbin Health Care Center	32.3	6.5	20.9	4.9
Houston Health Care, Michael E. DeBakey Medical Center	64.3	2.0	52.9	9.4
Jackson Health Care, G.V. (Sonny) Montgomery Medical Center	2.5	0.6	0.0	1.9
Shreveport Health Care, Overton Brooks Medical Center	1.7	0.0	1.7	0.0
Southeast Louisiana Health Care System	18.2	6.5	5.7	6.0
VISN 17: Heart of Texas Health Care Network	49.0	2.6	29.1	17.3
Central Texas Health Care	2.0	0.0	2.0	0.0
North Texas, Dallas Medical Center	23.2	2.0	7.3	13.9
South Texas Health Care	23.8	0.6	19.8	3.4
VISN 19: Rocky Mountain Network	228.7	33.6	133.1	62.0
Eastern Colorado, Rocky Mountain Regional Medical Center	112.1	26.4	58.3	27.4
Eastern Oklahoma, Jack C. Montgomery Medical Center	1.9	0.0	0.0	1.9
Oklahoma City Medical Center	18.9	5.2	8.4	5.3

Table 9. Federal facility R&D federal personnel FTEs, by R&D function: FY 2024

(Number)

Agency or facility	All R&D FTEs		R&D function					
			Researchers		R&D technicians		R&D support staff	
Salt Lake City Health Care	95.8		2.0		66.4		27.4	
VISN 20: Northwest Network	309.6		40.7		240.8		28.1	
Boise Medical Center	10.5		4.0		5.9		0.6	
Portland Health Care System	119.8		23.7		82.0		14.1	
Puget Sound Health Care, Seattle Medical Center	179.3		13.0		152.9		13.4	
VISN 21: Sierra Pacific Network	259.3		31.0		176.5		51.8	
Central California Health Care System	1.4		0.9		0.0		0.5	
Northern California Health Care System	14.7		4.0		5.8		4.9	
Pacific Islands Health Care System	6.0		0.0		2.3		3.7	
Palo Alto Health Care System	162.7		1.1		129.8		31.8	
San Francisco Health Care System	70.0		25.0		34.1		10.9	
Sierra Nevada Health Care System	1.5		0.0		1.5		0.0	
Southern Nevada Health Care System	3.0		0.0		3.0		0.0	
VISN 22: Desert Pacific Health Care Network	295.1		72.7		136.2		86.2	
Greater Los Angeles, West Los Angeles Medical Center	91.9		21.6		53.5		16.8	
Loma Linda Health Care System	7.8		2.7		3.9		1.2	
Long Beach Health Care System	31.8		5.0		25.8		1.0	
New Mexico Health Care System	98.2		22.7		17.8		57.7	
Phoenix Health Care System	5.3		0.0		3.6		1.7	
San Diego Health Care System	NA		NA		NA		NA	
Southern Arizona Health Care System	6.7		0.7		5.0		1.0	
VISN 23: Midwest Health Care Network	167.2		19.0		105.8		42.4	
Fargo Health Care System	1.1		0.0		0.0		1.1	
Minneapolis Health Care System	99.2		7.0		74.8		17.4	
Nebraska-Western Iowa Health Care System	64.4		12.0		29.5		22.9	
Sioux Falls Health Care System	2.5		0.0		1.5		1.0	
St. Cloud Health Care	0.0		0.0		0.0		0.0	
Other agencies	17,276.7	i	10,363.7	i	4,455.0	i	2,458.0	i
Environmental Protection Agency	1,340.0		804.0		345.0		191.0	
Center for Computational Toxicology and Exposure	224.0		108.0		92.0		24.0	
Center for Environmental Measurement and Modeling	372.0		243.0		99.0		30.0	
Center for Environmental Solutions and Emergency Response	267.0		166.0		72.0		29.0	
Center for Public Health and Environmental Assessment	394.0		287.0		74.0		33.0	
Office of Science Advisor, Policy, and Engagement	83.0		0.0		8.0		75.0	
Federal Trade Commission	4.0		2.0		2.0		0.0	
Library of Congress	54.0	i	34.1	i	8.5	i	11.4	i
National Aeronautics and Space Administration	14,182.2	i	8,505.1	i	3,661.9	i	2,015.2	i

Table 9. Federal facility R&D federal personnel FTEs, by R&D function: FY 2024

(Number)

Agency or facility	All R&D FTEs		R&D function					
			Researchers		R&D technicians		R&D support staff	
Ames Research Center	NA		NA		NA		NA	
Armstrong (Dryden) Flight Research Center	NA		NA		NA		NA	
Glenn Research Center	NA		NA		NA		NA	
Goddard Space Flight Center	NA		NA		NA		NA	
Johnson Space Center	NA		NA		NA		NA	
Kennedy Space Center	NA		NA		NA		NA	
Langley Research Center	NA		NA		NA		NA	
Marshall Space Flight Center	NA		NA		NA		NA	
NASA Headquarters	NA		NA		NA		NA	
Stennis Space Center	NA		NA		NA		NA	
Smithsonian Institution	1,696.5	i	1,018.5	i	437.6	i	240.4	i
Office of Academic, Interns, and Fellowship	NA		NA		NA		NA	
Under Secretary for Finance and Administration	NA		NA		NA		NA	
Information Technology	NA		NA		NA		NA	
Under Secretary for Museums and Culture	NA		NA		NA		NA	
Asian Pacific American Center	NA		NA		NA		NA	
National Museum of African American History	NA		NA		NA		NA	
National Museum of Asian Art	NA		NA		NA		NA	
National Museum of African Art	NA		NA		NA		NA	
National Museum of American History	NA		NA		NA		NA	
National Museum of American Indian	NA		NA		NA		NA	
National Museum of American Latino	NA		NA		NA		NA	
National Portrait Gallery	NA		NA		NA		NA	
National Postal Museum	NA		NA		NA		NA	
Smithsonian American Art Museum	NA		NA		NA		NA	
Smithsonian American Women’s History Museum	NA		NA		NA		NA	
Under Secretary for Science and Research	NA		NA		NA		NA	
Museum Conservation Institute	NA		NA		NA		NA	
National Air and Space Museum	NA		NA		NA		NA	
National Museum of Natural History	NA		NA		NA		NA	
National Zoological Park/ Smithsonian Conservation Biology Institute	NA		NA		NA		NA	
Office of Global Affairs	NA		NA		NA		NA	
Smithsonian Astrophysical Observatory	NA		NA		NA		NA	
Smithsonian Environmental Research Center	NA		NA		NA		NA	
Smithsonian Libraries and Archives	NA		NA		NA		NA	
Smithsonian Tropical Research Institute	NA		NA		NA		NA	

i = more than 50% of the estimate is imputed, including cases where there is only one facility listed and its data are imputed. NA = not available; imputed data not reported at this level.

FTE = full-time equivalent.

[a] Naval Medical Research Command headquarters and its subfacilities responded separately to the survey. Data displayed for the Naval Medical Research Command are for the headquarters only.

Source(s):
National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey, FY 2024.

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
All locations	49,095,133	905,491 i	7,810,944	1,798,770	1,299,065	120,181	2,168,551	40,405	463,885	20,323,897	14,163,944
Alabama	912,832	0	14,423	0	12,667	0	107,063	0	0	763,199	15,479
Department of Defense	85,556	0	0	0	0	0	0	0	0	70,345	15,211
Department of the Army	85,556	0	0	0	0	0	0	0	0	70,345	15,211
Space and Missile Defense Command	85,556	0	0	0	0	0	0	0	0	70,345	15,211
Department of Veterans Affairs	14,412	0	14,412	0	0	0	0	0	0	0	0
VISN 7: Southeast Network	14,412	0	14,412	0	0	0	0	0	0	0	0
Birmingham Medical Center	11,682	0	11,682	0	0	0	0	0	0	0	0
Tuscaloosa Medical Center	2,730	0	2,730	0	0	0	0	0	0	0	0
Other agencies	812,864	0	11	0	12,667	0	107,063	0	0	692,855	268
National Aeronautics and Space Administration	812,864	0	11	0	12,667	0	107,063	0	0	692,855	268
Marshall Space Flight Center	812,864	0	11	0	12,667	0	107,063	0	0	692,855	268
Arizona	10,369	0	10,369	0	0	0	0	0	0	0	0
Department of Veterans Affairs	10,369	0	10,369	0	0	0	0	0	0	0	0
VISN 22: Desert Pacific Health Care Network	10,369	0	10,369	0	0	0	0	0	0	0	0
Phoenix Health Care System	4,820	0	4,820	0	0	0	0	0	0	0	0
Southern Arizona Health Care System	5,549	0	5,549	0	0	0	0	0	0	0	0
Arkansas	101,426	2,170	61,535	6,325	0	0	2,066	0	0	7,087	22,244
Department of Health and Human Services	88,065	2,170	48,174	6,325	0	0	2,066	0	0	7,087	22,244
Food and Drug Administration	88,065	2,170	48,174	6,325	0	0	2,066	0	0	7,087	22,244
National Center for Toxicological Research	88,065	2,170	48,174	6,325	0	0	2,066	0	0	7,087	22,244
Department of Veterans Affairs	13,361	0	13,361	0	0	0	0	0	0	0	0
VISN 16: South Central Health Care Network	13,361	0	13,361	0	0	0	0	0	0	0	0
Central Arkansas Health Care, Eugene J. Towbin Health Care Center	13,361	0	13,361	0	0	0	0	0	0	0	0
California	1,556,969	25,892 i	361,015	1,235	9,461	0	65,304	0	0	1,093,515	547
Department of Agriculture	19,484	19,484 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Forest Service	19,484	19,484 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Pacific Southwest Research Station	19,484	19,484 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Department of Commerce	6,408	6,408	0	0	0	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	6,408	6,408	0	0	0	0	0	0	0	0	0
National Marine Fisheries Service	6,408	6,408	0	0	0	0	0	0	0	0	0
Southwest Fisheries Science Center	6,408	6,408	0	0	0	0	0	0	0	0	0
Department of Defense	847,970	0	24,802	1,235	0	0	0	0	0	821,934	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Department of the Navy	847,970	0	24,802	1,235	0	0	0	0	0	821,934	0
Bureau of Medicine and Surgery	24,802	0	24,802	0	0	0	0	0	0	0	0
Naval Medical Research Command[a]	24,802	0	24,802	0	0	0	0	0	0	0	0
Naval Health Research Center	24,802	0	24,802	0	0	0	0	0	0	0	0
Marine Corps	1,235	0	0	1,235	0	0	0	0	0	0	0
Naval Air Warfare Center Weapon Division	821,934	0	0	0	0	0	0	0	0	821,934	0
Department of Veterans Affairs	314,938	0	314,938	0	0	0	0	0	0	0	0
VISN 21: Sierra Pacific Network	197,226	0	197,226	0	0	0	0	0	0	0	0
Central California Health Care System	360	0	360	0	0	0	0	0	0	0	0
Northern California Health Care System	7,573	0	7,573	0	0	0	0	0	0	0	0
Palo Alto Health Care System	112,440	0	112,440	0	0	0	0	0	0	0	0
San Francisco Health Care System	76,852	0	76,852	0	0	0	0	0	0	0	0
VISN 22: Desert Pacific Health Care Network	117,712	0	117,712	0	0	0	0	0	0	0	0
Greater Los Angeles, West Los Angeles Medical Center	40,308	0	40,308	0	0	0	0	0	0	0	0
Loma Linda Health Care System	6,823	0	6,823	0	0	0	0	0	0	0	0
Long Beach Health Care System	12,020	0	12,020	0	0	0	0	0	0	0	0
San Diego Health Care System	58,562	0	58,562	0	0	0	0	0	0	0	0
Other agencies	368,168	0	21,275	0	9,461	0	65,304	0	0	271,581	547
National Aeronautics and Space Administration	368,168	0	21,275	0	9,461	0	65,304	0	0	271,581	547
Ames Research Center	286,233	0	21,275	0	7,765	0	65,286	0	0	191,360	547
Armstrong (Dryden) Flight Research Center	81,935	0	0	0	1,697	0	17	0	0	80,221	0
Colorado	294,048	64,212 i	42,135	10,439	61,316	631	1,931	0	1,894	105,806	5,683
Department of Agriculture	70,540	61,541 i	3,157	0 i	0 i	631	631	0 i	1,894	0 i	2,684
Animal and Plant Health Inspection Service	15,787	6,788	3,157	0	0	631	631	0	1,894	0	2,684
National Wildlife Research Center	15,787	6,788	3,157	0	0	631	631	0	1,894	0	2,684
Forest Service	54,753	54,753 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Rocky Mountain Research Station	54,753	54,753 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Department of Commerce	71,755	0	0	10,439	61,316	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	61,316	0	0	0	61,316	0	0	0	0	0	0
Oceanic and Atmospheric Research	61,316	0	0	0	61,316	0	0	0	0	0	0
Chemical Sciences Laboratory	14,181	0	0	0	14,181	0	0	0	0	0	0
Earth System Research Laboratories	3,874	0	0	0	3,874	0	0	0	0	0	0
Global Systems Laboratory	22,614	0	0	0	22,614	0	0	0	0	0	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Physical Sciences Laboratory	20,646	0	0	0	20,646	0	0	0	0	0	0
National Telecommunications and Information Administration	10,439	0	0	10,439	0	0	0	0	0	0	0
Institute for Telecommunication Sciences	10,439	0	0	10,439	0	0	0	0	0	0	0
Department of Defense	98,859	0	0	0	0	0	1,300	0	0	94,560	2,999
Department of the Air Force	98,859	0	0	0	0	0	1,300	0	0	94,560	2,999
Space Force	91,918	0	0	0	0	0	1,300	0	0	87,619	2,999
Space Operations Command	91,918	0	0	0	0	0	1,300	0	0	87,619	2,999
U.S. Space Command	6,941	0	0	0	0	0	0	0	0	6,941	0
Department of the Interior	13,917	2,671	0	0	0	0	0	0	0	11,246	0
Bureau of Reclamation	13,917	2,671	0	0	0	0	0	0	0	11,246	0
Department of Veterans Affairs	38,978	0	38,978	0	0	0	0	0	0	0	0
VISN 19: Rocky Mountain Network	38,978	0	38,978	0	0	0	0	0	0	0	0
Eastern Colorado, Rocky Mountain Regional Medical Center	38,978	0	38,978	0	0	0	0	0	0	0	0
Connecticut	56,202	0	48,883	551	0	0	0	5,112	0	0	1,656
Department of Defense	9,132	0	4,020	0	0	0	0	5,112	0	0	0
Department of the Navy	9,132	0	4,020	0	0	0	0	5,112	0	0	0
Bureau of Medicine and Surgery	9,132	0	4,020	0	0	0	0	5,112	0	0	0
Naval Medical Research Command[a]	9,132	0	4,020	0	0	0	0	5,112	0	0	0
Naval Submarine Medical Research Laboratory	9,132	0	4,020	0	0	0	0	5,112	0	0	0
Department of Homeland Security	2,207	0	0	551	0	0	0	0	0	0	1,656
Coast Guard	2,207	0	0	551	0	0	0	0	0	0	1,656
Acquisition Directorate, Research and Development Center	2,207	0	0	551	0	0	0	0	0	0	1,656
Department of Veterans Affairs	44,863	0	44,863	0	0	0	0	0	0	0	0
Veterans Integrated Services Network (VISN) 1: New England Health Care System	44,863	0	44,863	0	0	0	0	0	0	0	0
Connecticut Health Care System, West Haven Medical Center	44,863	0	44,863	0	0	0	0	0	0	0	0
District of Columbia	605,545	29,018	113,306	11,097	122,582	179	96,673	0	45,432	165,041	22,217
Department of Agriculture	28,712	18,136	0	10,576	0	0	0	0	0	0	0
Forest Service	18,136	18,136	0	0	0	0	0	0	0	0	0
Washington Office Research and Development	18,136	18,136	0	0	0	0	0	0	0	0	0
National Agricultural Statistics Service	10,576	0	0	10,576	0	0	0	0	0	0	0
Department of Defense	1,711	0	0	149	0	0	447	0	0	636	479
Department of the Air Force	149	0	0	149	0	0	0	0	0	0	0
Air Force - Manpower and Reserve Affairs	149	0	0	149	0	0	0	0	0	0	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Department of the Navy	1,562	0	0	0	0	0	447	0	0	636	479
Naval Observatory	1,562	0	0	0	0	0	447	0	0	636	479
Department of the Interior	3,646	3,646	0	0	0	0	0	0	0	0	0
Fish and Wildlife Service	1,843	1,843	0	0	0	0	0	0	0	0	0
National Park Service	1,803	1,803	0	0	0	0	0	0	0	0	0
Department of Transportation	25,393	0	0	0	0	0	0	0	0	25,393	0
Federal Highway Administration	25,393	0	0	0	0	0	0	0	0	25,393	0
Intelligence Transportation Systems Joint Program Office	13,977	0	0	0	0	0	0	0	0	13,977	0
Office of Administrations	11,000	0	0	0	0	0	0	0	0	11,000	0
Office of Operations	3	0	0	0	0	0	0	0	0	3	0
Office of Planning	414	0	0	0	0	0	0	0	0	414	0
Department of Veterans Affairs	105,777	0	105,777	0	0	0	0	0	0	0	0
Office of Research and Development Central Office	93,131	0	93,131	0	0	0	0	0	0	0	0
VISN 5: Capitol Health Care Network	12,645	0	12,645	0	0	0	0	0	0	0	0
Washington DC Health Care, Washington Medical Center	12,645	0	12,645	0	0	0	0	0	0	0	0
Other agencies	440,305	7,235	7,529	372	122,582	179	96,226	0	45,432	139,011	21,738
Environmental Protection Agency	23,525	2,828	6,466	322	9,695	179	562	0	136	3,336	0
Office of Science Advisor, Policy, and Engagement	23,525	2,828	6,466	322	9,695	179	562	0	136	3,336	0
Federal Trade Commission	834	0	14	50	0	0	0	0	755	0	15
Library of Congress	8,841 i	0 i	0 i	0 i	0 i	0 i	7,522 i	0 i	0 i	0 i	1,319 i
National Aeronautics and Space Administration	301,195	0	0	0	107,605	0	63,609	0	0	129,981	0
NASA Headquarters	301,195	0	0	0	107,605	0	63,609	0	0	129,981	0
Smithsonian Institution	105,910	4,407	1,049	0	5,282	0	24,533	0	44,541	5,694	20,404
Office of Academic, Interns, and Fellowship	1,195	0	0	0	0	0	826	0	368	0	0
Under Secretary for Finance and Administration	13,332	0	0	0	0	0	0	0	0	0	13,332
Information Technology	13,332	0	0	0	0	0	0	0	0	0	13,332
Under Secretary for Museums and Culture	39,086	0	0	0	0	0	0	0	36,810	0	2,277
Asian Pacific American Center	243	0	0	0	0	0	0	0	243	0	0
National Museum of African American History	9,671	0	0	0	0	0	0	0	9,671	0	0
National Museum of Asian Art	1,021	0	0	0	0	0	0	0	994	0	27
National Museum of African Art	1,101	0	0	0	0	0	0	0	1,101	0	0
National Museum of American History	10,022	0	0	0	0	0	0	0	9,990	0	33
National Museum of American Indian	8,422	0	0	0	0	0	0	0	8,422	0	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
National Museum of American Latino	1,442	0	0	0	0	0	0	0	1,442	0	0
National Portrait Gallery	1,441	0	0	0	0	0	0	0	1,441	0	0
National Postal Museum	277	0	0	0	0	0	0	0	0	0	277
Smithsonian American Art Museum	3,506	0	0	0	0	0	0	0	3,506	0	0
Smithsonian American Women's History Museum	1,940	0	0	0	0	0	0	0	0	0	1,940
Under Secretary for Science and Research	52,298	4,407	1,049	0	5,282	0	23,707	0	7,364	5,694	4,796
National Air and Space Museum	7,853	0	0	0	2,159	0	0	0	0	5,694	0
National Museum of Natural History	27,611	4,407	1,049	0	3,122	0	16,831	0	0	0	2,202
National Zoological Park/ Smithsonian Conservation Biology Institute	8,183	0	0	0	0	0	6,876	0	0	0	1,308
Office of Global Affairs	2,234	0	0	0	0	0	0	0	2,234	0	0
Smithsonian Libraries and Archives	6,416	0	0	0	0	0	0	0	5,130	0	1,286
Florida	280,406	494 i	52,026	0	41,187	0	153,176	0	0	33,522	0
Department of Agriculture	494 i	494 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Animal and Plant Health Inspection Service	494 i	494 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Treatment and Inspection Methods Laboratory	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Commerce	20,259	0	0	0	20,259	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	20,259	0	0	0	20,259	0	0	0	0	0	0
Oceanic and Atmospheric Research	20,259	0	0	0	20,259	0	0	0	0	0	0
Atlantic Oceanographic and Meteorological Laboratory	20,259	0	0	0	20,259	0	0	0	0	0	0
Department of Veterans Affairs	43,839	0	43,839	0	0	0	0	0	0	0	0
VISN 8: Sunshine Health Care Network	43,839	0	43,839	0	0	0	0	0	0	0	0
Bay Pines Health Care System	2,768	0	2,768	0	0	0	0	0	0	0	0
Miami Health Care System	14,775	0	14,775	0	0	0	0	0	0	0	0
North Florida/ South Georgia Health Care System	12,859	0	12,859	0	0	0	0	0	0	0	0
Orlando Medical Center	661	0	661	0	0	0	0	0	0	0	0
Tampa Health Care, James A. Haley Veterans' Hospital	12,776	0	12,776	0	0	0	0	0	0	0	0
Other agencies	215,813	0	8,187	0	20,928	0	153,176	0	0	33,522	0
National Aeronautics and Space Administration	215,813	0	8,187	0	20,928	0	153,176	0	0	33,522	0
Kennedy Space Center	215,813	0	8,187	0	20,928	0	153,176	0	0	33,522	0
Georgia	298,098 i	2,307 i	119,084	10,409 i	369 i	684 i	6,480 i	836 i	1,161 i	132,868 i	23,899 i
Department of Defense	202,411 i	2,307 i	23,641 i	10,409 i	369 i	684 i	6,480 i	836 i	1,161 i	132,868 i	23,656 i
Department of the Army	202,411 i	2,307 i	23,641 i	10,409 i	369 i	684 i	6,480 i	836 i	1,161 i	132,868 i	23,656 i
Army Cyber Command	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Department of Health and Human Services	52,432	0	52,189	0	0	0	0	0	0	0	243
Centers for Disease Control and Prevention	52,432	0	52,189	0	0	0	0	0	0	0	243
National Center for Emerging and Zoonotic Infectious Diseases	18,006	0	18,006	0	0	0	0	0	0	0	0
National Center for HIV, Viral Hepatitis, STD, and Tuberculosis Prevention	34,183	0	34,183	0	0	0	0	0	0	0	0
National Center on Birth Defects and Developmental Disabilities	243	0	0	0	0	0	0	0	0	0	243
Department of Veterans Affairs	43,255	0	43,255	0	0	0	0	0	0	0	0
VISN 7: Southeast Network	43,255	0	43,255	0	0	0	0	0	0	0	0
Atlanta Medical Center	38,529	0	38,529	0	0	0	0	0	0	0	0
Augusta Health Care, Charlie Norwood Medical Center	4,726	0	4,726	0	0	0	0	0	0	0	0
Hawaii	5,849	0	1,119	0	4,730	0	0	0	0	0	0
Department of Commerce	4,730	0	0	0	4,730	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	4,730	0	0	0	4,730	0	0	0	0	0	0
National Marine Fisheries Service	4,730	0	0	0	4,730	0	0	0	0	0	0
Pacific Island Fisheries Science Center	4,730	0	0	0	4,730	0	0	0	0	0	0
Department of Veterans Affairs	1,119	0	1,119	0	0	0	0	0	0	0	0
VISN 21: Sierra Pacific Network	1,119	0	1,119	0	0	0	0	0	0	0	0
Pacific Islands Health Care System	1,119	0	1,119	0	0	0	0	0	0	0	0
Idaho	3,572	0	3,572	0	0	0	0	0	0	0	0
Department of Veterans Affairs	3,572	0	3,572	0	0	0	0	0	0	0	0
VISN 20: Northwest Network	3,572	0	3,572	0	0	0	0	0	0	0	0
Boise Medical Center	3,572	0	3,572	0	0	0	0	0	0	0	0
Illinois	79,562	0	55,939	0	0	0	0	0	0	0	23,623
Department of Defense	23,623	0	0	0	0	0	0	0	0	0	23,623
Department of the Air Force	23,623	0	0	0	0	0	0	0	0	0	23,623
Air Force Transportation Command	23,623	0	0	0	0	0	0	0	0	0	23,623
Department of Veterans Affairs	55,939	0	55,939	0	0	0	0	0	0	0	0
VISN 12: Great Lakes Health Care System	55,939	0	55,939	0	0	0	0	0	0	0	0
Chicago Health Care, Jesse Brown Medical Center	21,999	0	21,999	0	0	0	0	0	0	0	0
Hines Health Care, Edward Hines Junior Hospital	33,940	0	33,940	0	0	0	0	0	0	0	0
Indiana	25,312	0	25,312	0	0	0	0	0	0	0	0
Department of Veterans Affairs	25,312	0	25,312	0	0	0	0	0	0	0	0
VISN 10: Health Care System	25,312	0	25,312	0	0	0	0	0	0	0	0
Indiana Health Care, Richard L. Roudebush Medical Center	25,312	0	25,312	0	0	0	0	0	0	0	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Kentucky	6,944	0	6,944	0	0	0	0	0	0	0	0
Department of Veterans Affairs	6,944	0	6,944	0	0	0	0	0	0	0	0
VISN 9: MidSouth Health Care Network	6,944	0	6,944	0	0	0	0	0	0	0	0
Lexington Medical Center (Troy Bowling Campus)	4,586	0	4,586	0	0	0	0	0	0	0	0
Louisville Health Care, Robley Rex Medical Center	2,358	0	2,358	0	0	0	0	0	0	0	0
Louisiana	7,766	0	7,597	0	0	0	0	0	0	169	0
Department of Defense	169	0	0	0	0	0	0	0	0	169	0
Department of the Air Force	169	0	0	0	0	0	0	0	0	169	0
Air Force Global Strike Command	169	0	0	0	0	0	0	0	0	169	0
Department of Veterans Affairs	7,597	0	7,597	0	0	0	0	0	0	0	0
VISN 16: South Central Health Care Network	7,597	0	7,597	0	0	0	0	0	0	0	0
Shreveport Health Care, Overton Brooks Medical Center	559	0	559	0	0	0	0	0	0	0	0
Southeast Louisiana Health Care System	7,038	0	7,038	0	0	0	0	0	0	0	0
Maine	279	0	279	0	0	0	0	0	0	0	0
Department of Veterans Affairs	279	0	279	0	0	0	0	0	0	0	0
Veterans Integrated Services Network (VISN) 1: New England Health Care System	279	0	279	0	0	0	0	0	0	0	0
Togus Maine Health Care System	279	0	279	0	0	0	0	0	0	0	0
Maryland	6,537,198	32,826	3,910,717	545,793	156,993	26,642	274,103	690	266,857	997,138	325,438
Department of Agriculture	5,723	0	5,723	0	0	0	0	0	0	0	0
Animal and Plant Health Inspection Service	5,723	0	5,723	0	0	0	0	0	0	0	0
Plant Pathogen Confirmatory Diagnostics Laboratory	5,723	0	5,723	0	0	0	0	0	0	0	0
Department of Commerce	1,291,165	827	43,931	253,033	156,993	26,642	267,150	27	259,891	257,725	24,945
Census Bureau	355,462	0	0	73,090	0	22,678	0	27	259,507	0	159
National Institute of Standards and Technology	788,920	0	43,931	178,983	12,006	3,964	267,150	0	374	257,725	24,786
National Oceanic and Atmospheric Administration	146,783	827	0	959	144,987	0	0	0	10	0	0
National Environmental Satellite, Data, and Information Service	26,024	0	0	0	26,024	0	0	0	0	0	0
Center for Satellite Applications and Research	26,024	0	0	0	26,024	0	0	0	0	0	0
National Marine Fisheries Service	1,796	827	0	959	0	0	0	0	10	0	0
Office of Protected Resources	212	212	0	0	0	0	0	0	0	0	0
Office of Science and Technology	959	0	0	959	0	0	0	0	0	0	0
Office of Sustainable Fisheries	625	615	0	0	0	0	0	0	10	0	0
National Weather Service	20,311	0	0	0	20,311	0	0	0	0	0	0
National Centers for Environmental Prediction	20,311	0	0	0	20,311	0	0	0	0	0	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Oceanic and Atmospheric Research	98,652	0	0	0	98,652	0	0	0	0	0	0
Air Resources Laboratory	12,291	0	0	0	12,291	0	0	0	0	0	0
Climate Program Office	23,199	0	0	0	23,199	0	0	0	0	0	0
Global Ocean Monitoring and Observing Program	21,851	0	0	0	21,851	0	0	0	0	0	0
National Sea Grant College Program	3,136	0	0	0	3,136	0	0	0	0	0	0
Ocean Acidification Program	2,309	0	0	0	2,309	0	0	0	0	0	0
Office of Ocean Exploration and Research	10,414	0	0	0	10,414	0	0	0	0	0	0
Office of Research Transition and Application	3,794	0	0	0	3,794	0	0	0	0	0	0
Weather Program Office	21,658	0	0	0	21,658	0	0	0	0	0	0
Department of Defense	1,336,681	0	46,830	261,305	0	0	0	0	0	729,788	298,757
Department of the Army	138,669	0	46,830	0	0	0	0	0	0	41,248	50,591
Combat Capabilities Development Command (DEVCOM)	138,669	0	46,830	0	0	0	0	0	0	41,248	50,591
Chemical Biological Center	103,099	0	46,830	0	0	0	0	0	0	27,630	28,639
DEVCOM Headquarters	35,571	0	0	0	0	0	0	0	0	13,618	21,952
Department of the Navy	1,198,012	0	0	261,305	0	0	0	0	0	688,540	248,167
Naval Air Warfare Center Aircraft Division	1,198,012	0	0	261,305	0	0	0	0	0	688,540	248,167
Department of Health and Human Services	3,855,729	32,000	3,772,460	31,456	0	0	2,560	663	6,966	9,625	0
Food and Drug Administration	347,267	32,000	310,982	0	0	0	2,560	0	0	1,725	0
Center for Biologics Evaluation and Research	69,085	0	69,085	0	0	0	0	0	0	0	0
Center for Devices and Radiological Health	51,000	0	51,000	0	0	0	0	0	0	0	0
Center for Drug Evaluation and Research	76,826	0	76,826	0	0	0	0	0	0	0	0
Center for Tobacco Products	111,561	0	111,561	0	0	0	0	0	0	0	0
Center for Veterinary Medicine	32,000	32,000	0	0	0	0	0	0	0	0	0
Office of Regulatory Affairs	5,199	0	914	0	0	0	2,560	0	0	1,725	0
Oncology Center of Excellence	1,596	0	1,596	0	0	0	0	0	0	0	0
National Institutes of Health	3,508,462	0	3,461,478	31,456	0	0	0	663	6,966	7,900	0
Clinical Center	693,747	0	693,747	0	0	0	0	0	0	0	0
Eunice Kennedy Shriver National Institute of Child Health and Human Development	245,638	0	226,797	11,875	0	0	0	0	6,966	0	0
National Cancer Institute	1,093,879	0	1,093,879	0	0	0	0	0	0	0	0
National Center for Advancing Translational Sciences	181,750	0	181,750	0	0	0	0	0	0	0	0
National Center for Complementary and Integrative Health	5,354	0	5,354	0	0	0	0	0	0	0	0
National Eye Institute	120,483	0	120,483	0	0	0	0	0	0	0	0
National Heart, Lung, and Blood Institute	189,805	0	189,805	0	0	0	0	0	0	0	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
National Human Genome Research Institute	162,753	0	146,865	15,888	0	0	0	0	0	0	0
National Institute of Arthritis and Musculoskeletal and Skin Diseases	66,634	0	66,634	0	0	0	0	0	0	0	0
National Institute of Biomedical Imaging and Bioengineering	7,900	0	0	0	0	0	0	0	0	7,900	0
National Institute of Dental and Craniofacial Research	78,988	0	78,988	0	0	0	0	0	0	0	0
National Institute of Diabetes and Digestive and Kidney Diseases	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Mental Health	663	0	0	0	0	0	0	663	0	0	0
National Institute of Neurological Disorders and Stroke	229,097	0	229,097	0	0	0	0	0	0	0	0
National Institute of Nursing Research	11,353	0	7,660	3,693	0	0	0	0	0	0	0
National Institute on Aging	7,183	0	7,183	0	0	0	0	0	0	0	0
National Institute on Alcohol Abuse and Alcoholism	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute on Deafness and Other Communication Disorders	34,240	0	34,240	0	0	0	0	0	0	0	0
National Institute on Drug Abuse	67,053	0	67,053	0	0	0	0	0	0	0	0
National Institute on Minority Health and Health Disparities	13,897	0	13,897	0	0	0	0	0	0	0	0
National Library of Medicine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Homeland Security	4,393	0	0	0	0	0	4,393	0	0	0	0
Science and Technology Directorate	4,393	0	0	0	0	0	4,393	0	0	0	0
Office of National Laboratories	4,393	0	0	0	0	0	4,393	0	0	0	0
Chemical Security Analysis Center	4,393	0	0	0	0	0	4,393	0	0	0	0
Department of Veterans Affairs	36,010	0	36,010	0	0	0	0	0	0	0	0
VISN 5: Capitol Health Care Network	36,010	0	36,010	0	0	0	0	0	0	0	0
Maryland Health Care, Baltimore Medical Center	36,010	0	36,010	0	0	0	0	0	0	0	0
Other agencies	7,498	0	5,762	0	0	0	0	0	0	0	1,735
Smithsonian Institution	7,498	0	5,762	0	0	0	0	0	0	0	1,735
Under Secretary for Science and Research	7,498	0	5,762	0	0	0	0	0	0	0	1,735
Museum Conservation Institute	1,735	0	0	0	0	0	0	0	0	0	1,735
Smithsonian Environmental Research Center	5,762	0	5,762	0	0	0	0	0	0	0	0
Massachusetts	343,788	0	222,306	0	42,068	0	0	0	0	78,896	517
Department of Defense	90,887	0	27,266	0	0	0	0	0	0	63,621	0
Department of the Army	90,887	0	27,266	0	0	0	0	0	0	63,621	0
Combat Capabilities Development Command (DEVCOM)	90,887	0	27,266	0	0	0	0	0	0	63,621	0
Soldier Center	90,887	0	27,266	0	0	0	0	0	0	63,621	0
Department of Transportation	15,275 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	15,275 i	0 i
Office of the Secretary for Research and Technology	15,275 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	15,275 i	0 i

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
John A. Volpe National Transportation Systems Center	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Veterans Affairs	195,040	0	195,040	0	0	0	0	0	0	0	0
Veterans Integrated Services Network (VISN) 1: New England Health Care System	195,040	0	195,040	0	0	0	0	0	0	0	0
Bedford Health Care System	15,736	0	15,736	0	0	0	0	0	0	0	0
Boston Health Care System, Jamaica Plain Campus	177,871	0	177,871	0	0	0	0	0	0	0	0
Central Western Massachusetts Health Care	1,433	0	1,433	0	0	0	0	0	0	0	0
Other agencies	42,586	0	0	0	42,068	0	0	0	0	0	517
Smithsonian Institution	42,586	0	0	0	42,068	0	0	0	0	0	517
Under Secretary for Science and Research	42,586	0	0	0	42,068	0	0	0	0	0	517
Smithsonian Astrophysical Observatory	42,586	0	0	0	42,068	0	0	0	0	0	517
Michigan	340,877	0	45,906	0	18,185	0	0	0	0	276,786	0
Department of Commerce	18,185	0	0	0	18,185	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	18,185	0	0	0	18,185	0	0	0	0	0	0
Oceanic and Atmospheric Research	18,185	0	0	0	18,185	0	0	0	0	0	0
Great Lakes Environmental Research Laboratory	18,185	0	0	0	18,185	0	0	0	0	0	0
Department of Defense	276,786	0	0	0	0	0	0	0	0	276,786	0
Department of the Army	276,786	0	0	0	0	0	0	0	0	276,786	0
Combat Capabilities Development Command (DEVCOM)	276,786	0	0	0	0	0	0	0	0	276,786	0
Ground Vehicle Systems Center	276,786	0	0	0	0	0	0	0	0	276,786	0
Department of Veterans Affairs	45,906	0	45,906	0	0	0	0	0	0	0	0
VISN 10: Health Care System	45,906	0	45,906	0	0	0	0	0	0	0	0
Ann Arbor Health Care System	38,667	0	38,667	0	0	0	0	0	0	0	0
Battle Creek Medical Center	72	0	72	0	0	0	0	0	0	0	0
Detroit Health Care, John D. Dingell Medical Center	7,167	0	7,167	0	0	0	0	0	0	0	0
Minnesota	32,621	0	32,621	0	0	0	0	0	0	0	0
Department of Veterans Affairs	32,621	0	32,621	0	0	0	0	0	0	0	0
VISN 23: Midwest Health Care Network	32,621	0	32,621	0	0	0	0	0	0	0	0
Minneapolis Health Care System	32,577	0	32,577	0	0	0	0	0	0	0	0
St. Cloud Health Care	43	0	43	0	0	0	0	0	0	0	0
Mississippi	31,543	0	918	0	10	0	9	0	0	30,607	0
Department of Defense	19,533	0	0	0	0	0	0	0	0	19,533	0
Department of the Navy	19,533	0	0	0	0	0	0	0	0	19,533	0
Naval Oceanographic Office	19,533	0	0	0	0	0	0	0	0	19,533	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Department of Veterans Affairs	918	0	918	0	0	0	0	0	0	0	0
VISN 16: South Central Health Care Network	918	0	918	0	0	0	0	0	0	0	0
Jackson Health Care, G.V. (Sonny) Montgomery Medical Center	918	0	918	0	0	0	0	0	0	0	0
Other agencies	11,092	0	0	0	10	0	9	0	0	11,073	0
National Aeronautics and Space Administration	11,092	0	0	0	10	0	9	0	0	11,073	0
Stennis Space Center	11,092	0	0	0	10	0	9	0	0	11,073	0
Missouri	21,488	0	21,488	0	0	0	0	0	0	0	0
Department of Veterans Affairs	21,488	0	21,488	0	0	0	0	0	0	0	0
VISN 15: Heartland Health Care Network	21,488	0	21,488	0	0	0	0	0	0	0	0
Kansas City Medical Center	11,833	0	11,833	0	0	0	0	0	0	0	0
St. Louis Health Care, John J. Cochran Veterans Hospital	9,656	0	9,656	0	0	0	0	0	0	0	0
Nebraska	26,651	1,029	25,622	0	0	0	0	0	0	0	0
Department of Agriculture	1,029	1,029	0	0	0	0	0	0	0	0	0
Natural Resources Conservation Service	1,029	1,029	0	0	0	0	0	0	0	0	0
Soil Science Research Branch	1,029	1,029	0	0	0	0	0	0	0	0	0
Department of Veterans Affairs	25,622	0	25,622	0	0	0	0	0	0	0	0
VISN 23: Midwest Health Care Network	25,622	0	25,622	0	0	0	0	0	0	0	0
Nebraska-Western Iowa Health Care System	25,622	0	25,622	0	0	0	0	0	0	0	0
Nevada	1,349	0	1,349	0	0	0	0	0	0	0	0
Department of Veterans Affairs	1,349	0	1,349	0	0	0	0	0	0	0	0
VISN 21: Sierra Pacific Network	1,349	0	1,349	0	0	0	0	0	0	0	0
Sierra Nevada Health Care System	562	0	562	0	0	0	0	0	0	0	0
Southern Nevada Health Care System	787	0	787	0	0	0	0	0	0	0	0
New Hampshire	188	0	188	0	0	0	0	0	0	0	0
Department of Veterans Affairs	188	0	188	0	0	0	0	0	0	0	0
Veterans Integrated Services Network (VISN) 1: New England Health Care System	188	0	188	0	0	0	0	0	0	0	0
Manchester Medical Center	188	0	188	0	0	0	0	0	0	0	0
New Jersey	46,313	0	6,357	0	29,956	0	0	0	0	10,000	0
Department of Commerce	29,956	0	0	0	29,956	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	29,956	0	0	0	29,956	0	0	0	0	0	0
Oceanic and Atmospheric Research	29,956	0	0	0	29,956	0	0	0	0	0	0
Geophysical Fluid Dynamics Laboratory	29,956	0	0	0	29,956	0	0	0	0	0	0
Department of Homeland Security	10,000	0	0	0	0	0	0	0	0	10,000	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Science and Technology Directorate	10,000	0	0	0	0	0	0	0	0	10,000	0
Office of National Laboratories	10,000	0	0	0	0	0	0	0	0	10,000	0
Transportation Security Laboratory	10,000	0	0	0	0	0	0	0	0	10,000	0
Department of Veterans Affairs	6,357	0	6,357	0	0	0	0	0	0	0	0
VISN 2: New York/ New Jersey Veterans Health Care Network	6,357	0	6,357	0	0	0	0	0	0	0	0
New Jersey Health Care	6,357	0	6,357	0	0	0	0	0	0	0	0
New Mexico	72,271	0	38,271	0	0	0	0	0	0	34,000	0
Department of Defense	34,000	0	0	0	0	0	0	0	0	34,000	0
Department of the Air Force	34,000	0	0	0	0	0	0	0	0	34,000	0
Air Force Operational Test and Evaluation	34,000	0	0	0	0	0	0	0	0	34,000	0
Department of Veterans Affairs	38,271	0	38,271	0	0	0	0	0	0	0	0
VISN 22: Desert Pacific Health Care Network	38,271	0	38,271	0	0	0	0	0	0	0	0
New Mexico Health Care System	38,271	0	38,271	0	0	0	0	0	0	0	0
New York	68,652	1,235	63,344	0	0	0	0	0	0	4,073	0
Department of Homeland Security	5,308	1,235	0	0	0	0	0	0	0	4,073	0
Science and Technology Directorate	5,308	1,235	0	0	0	0	0	0	0	4,073	0
Office of National Laboratories	5,308	1,235	0	0	0	0	0	0	0	4,073	0
National Urban Security Technology Laboratory	4,073	0	0	0	0	0	0	0	0	4,073	0
Plum Island Animal Disease Center	1,235	1,235	0	0	0	0	0	0	0	0	0
Department of Veterans Affairs	63,344	0	63,344	0	0	0	0	0	0	0	0
VISN 2: New York/ New Jersey Veterans Health Care Network	63,344	0	63,344	0	0	0	0	0	0	0	0
Bronx Health Care, James J. Peters Medical Center	35,415	0	35,415	0	0	0	0	0	0	0	0
New York Harbor Health Care	9,496	0	9,496	0	0	0	0	0	0	0	0
Northport Medical Center	4,905	0	4,905	0	0	0	0	0	0	0	0
Western New York Health Care, Buffalo Medical Center	13,528	0	13,528	0	0	0	0	0	0	0	0
North Carolina	92,054	43,699 i	42,734	0	5,621	0	0	0	0	0	0
Department of Agriculture	43,699	43,699 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Forest Service	43,699	43,699 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Southern Research Station	43,699	43,699 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Department of Commerce	5,621	0	0	0	5,621	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	5,621	0	0	0	5,621	0	0	0	0	0	0
National Environmental Satellite, Data, and Information Service	5,621	0	0	0	5,621	0	0	0	0	0	0
National Centers for Environmental Information	5,621	0	0	0	5,621	0	0	0	0	0	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Department of Veterans Affairs	42,734	0	42,734	0	0	0	0	0	0	0	0
VISN 6: Mid-Atlantic Health Care Network	42,734	0	42,734	0	0	0	0	0	0	0	0
Asheville Health Care, Charles George Medical Center	1,577	0	1,577	0	0	0	0	0	0	0	0
Durham Medical Center	37,821	0	37,821	0	0	0	0	0	0	0	0
Salisbury Health Care, W.G. (Bill) Hefner Salisbury Medical Center	3,335	0	3,335	0	0	0	0	0	0	0	0
North Dakota	293	0	293	0	0	0	0	0	0	0	0
Department of Veterans Affairs	293	0	293	0	0	0	0	0	0	0	0
VISN 23: Midwest Health Care Network	293	0	293	0	0	0	0	0	0	0	0
Fargo Health Care System	293	0	293	0	0	0	0	0	0	0	0
Ohio	14,484,215	0	57,559	546,585	1,743	0	21,793	4,681 i	13,410	1,468,296	12,370,147
Department of Defense	14,188,594	0 i	14,741 i	546,585	0 i	0 i	0 i	4,681 i	13,410	1,239,029	12,370,147
Department of the Air Force	14,150,797	0	0	546,585	0	0	0	0	13,410	1,220,654	12,370,147
HQ Air Force Materiel Command	14,150,797	0	0	546,585	0	0	0	0	13,410	1,220,654	12,370,147
Air Force Materiel Command (AFMC)	14,150,797	0	0	546,585	0	0	0	0	13,410	1,220,654	12,370,147
Department of the Navy	37,797 i	0 i	14,741 i	0 i	0 i	0 i	0 i	4,681 i	0 i	18,375 i	0 i
Bureau of Medicine and Surgery	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Command[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - Dayton	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Transportation	38,909	0	0	0	0	0	0	0	0	38,909	0
National Highway Traffic Safety Administration	38,909	0	0	0	0	0	0	0	0	38,909	0
Office of Vehicle Safety Research	38,909	0	0	0	0	0	0	0	0	38,909	0
Vehicle Research and Test Center	38,909	0	0	0	0	0	0	0	0	38,909	0
Department of Veterans Affairs	42,818	0	42,818	0	0	0	0	0	0	0	0
VISN 10: Health Care System	42,818	0	42,818	0	0	0	0	0	0	0	0
Cincinnati Medical Center	8,006	0	8,006	0	0	0	0	0	0	0	0
Dayton Medical Center	1,409	0	1,409	0	0	0	0	0	0	0	0
Northeast Ohio Health Care, Louis Stokes Cleveland Medical Center	33,402	0	33,402	0	0	0	0	0	0	0	0
Other agencies	213,894	0	0	0	1,743	0	21,793	0	0	190,358	0
National Aeronautics and Space Administration	213,894	0	0	0	1,743	0	21,793	0	0	190,358	0
Glenn Research Center	213,894	0	0	0	1,743	0	21,793	0	0	190,358	0
Oklahoma	33,997	0	10,496	0	23,501	0	0	0	0	0	0
Department of Commerce	23,501	0	0	0	23,501	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	23,501	0	0	0	23,501	0	0	0	0	0	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Oceanic and Atmospheric Research	23,501	0	0	0	23,501	0	0	0	0	0	0
National Severe Storms Laboratory	23,501	0	0	0	23,501	0	0	0	0	0	0
Department of Veterans Affairs	10,496	0	10,496	0	0	0	0	0	0	0	0
VISN 19: Rocky Mountain Network	10,496	0	10,496	0	0	0	0	0	0	0	0
Eastern Oklahoma, Jack C. Montgomery Medical Center	417	0	417	0	0	0	0	0	0	0	0
Oklahoma City Medical Center	10,079	0	10,079	0	0	0	0	0	0	0	0
Oregon	141,598	40,421	51,926	0 i	4,679 i	0 i	7,831 i	0 i	0 i	36,742 i	0 i
Department of Agriculture	40,421	40,421 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Forest Service	40,421	40,421 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Pacific Northwest Research Station	40,421	40,421 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Department of Energy	49,252 i	0 i	0 i	0 i	4,679 i	0 i	7,831 i	0 i	0 i	36,742 i	0 i
National Energy Technology Laboratory	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Veterans Affairs	51,926	0	51,926	0	0	0	0	0	0	0	0
VISN 20: Northwest Network	51,926	0	51,926	0	0	0	0	0	0	0	0
Portland Health Care System	51,926	0	51,926	0	0	0	0	0	0	0	0
Pennsylvania	102,470	50,270 i	52,200	0	0	0	0	0	0	0	0
Department of Agriculture	50,270	50,270 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Forest Service	50,270	50,270 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Northern Research Station	50,270	50,270 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Department of Veterans Affairs	52,200	0	52,200	0	0	0	0	0	0	0	0
VISN 4: Health Care	52,200	0	52,200	0	0	0	0	0	0	0	0
Coatesville Medical Center	288	0	288	0	0	0	0	0	0	0	0
Philadelphia Health Care, Corporal Michael J. Crescenz Medical Center	21,933	0	21,933	0	0	0	0	0	0	0	0
Pittsburgh Medical Center-University Drive	29,980	0	29,980	0	0	0	0	0	0	0	0
Rhode Island	21,665	0	21,665	0	0	0	0	0	0	0	0
Department of Veterans Affairs	21,665	0	21,665	0	0	0	0	0	0	0	0
Veterans Integrated Services Network (VISN) 1: New England Health Care System	21,665	0	21,665	0	0	0	0	0	0	0	0
Providence Medical Center	21,665	0	21,665	0	0	0	0	0	0	0	0
South Carolina	173,684	0	41,260	37,566	0	33,412	738	0	0	45,596	15,112
Department of Defense	132,424	0	0	37,566	0	33,412	738	0	0	45,596	15,112
Department of the Navy	132,424	0	0	37,566	0	33,412	738	0	0	45,596	15,112
Naval Information Warfare Systems Command	132,424	0	0	37,566	0	33,412	738	0	0	45,596	15,112
Naval Information Warfare Center Atlantic	132,424	0	0	37,566	0	33,412	738	0	0	45,596	15,112

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Department of Veterans Affairs	41,260	0	41,260	0	0	0	0	0	0	0	0
VISN 7: Southeast Network	41,260	0	41,260	0	0	0	0	0	0	0	0
Charleston Health Care, Ralph H. Johnson Medical Center	36,283	0	36,283	0	0	0	0	0	0	0	0
Columbia South Carolina Health Care, William Jennings Bryan Dorn Medical Center	4,978	0	4,978	0	0	0	0	0	0	0	0
South Dakota	871	0	871	0	0	0	0	0	0	0	0
Department of Veterans Affairs	871	0	871	0	0	0	0	0	0	0	0
VISN 23: Midwest Health Care Network	871	0	871	0	0	0	0	0	0	0	0
Sioux Falls Health Care System	871	0	871	0	0	0	0	0	0	0	0
Tennessee	51,150	0	51,150	0	0	0	0	0	0	0	0
Department of Veterans Affairs	51,150	0	51,150	0	0	0	0	0	0	0	0
VISN 9: MidSouth Health Care Network	51,150	0	51,150	0	0	0	0	0	0	0	0
Memphis Medical Center	9,892	0	9,892	0	0	0	0	0	0	0	0
Mountain Home Health Care, James H. Quillen Medical Center	2,468	0	2,468	0	0	0	0	0	0	0	0
Tennessee Valley Health Care, Nashville Medical Center	38,789	0	38,789	0	0	0	0	0	0	0	0
Texas	70,826	0	69,591	0	0	0	0	0	0	0	1,235
Department of Defense	11,070 i	0 i	9,835 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	1,235
Department of the Air Force	1,235	0	0	0	0	0	0	0	0	0	1,235
Air Education Training Command	1,235	0	0	0	0	0	0	0	0	0	1,235
Department of the Navy	9,835 i	0 i	9,835 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Bureau of Medicine and Surgery	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Command[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - San Antonio	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Department of Veterans Affairs	59,756	0	59,756	0	0	0	0	0	0	0	0
VISN 16: South Central Health Care Network	29,915	0	29,915	0	0	0	0	0	0	0	0
Houston Health Care, Michael E. DeBakey Medical Center	29,915	0	29,915	0	0	0	0	0	0	0	0
VISN 17: Heart of Texas Health Care Network	29,841	0	29,841	0	0	0	0	0	0	0	0
Central Texas Health Care	3,673	0	3,673	0	0	0	0	0	0	0	0
North Texas, Dallas Medical Center	8,563	0	8,563	0	0	0	0	0	0	0	0
South Texas Health Care	17,606	0	17,606	0	0	0	0	0	0	0	0
Utah	63,786	0	63,786	0	0	0	0	0	0	0	0
Department of Veterans Affairs	63,786	0	63,786	0	0	0	0	0	0	0	0
VISN 19: Rocky Mountain Network	63,786	0	63,786	0	0	0	0	0	0	0	0
Salt Lake City Health Care	63,786	0	63,786	0	0	0	0	0	0	0	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Vermont	8,189	0	8,189	0	0	0	0	0	0	0	0
Department of Veterans Affairs	8,189	0	8,189	0	0	0	0	0	0	0	0
Veterans Integrated Services Network (VISN) 1: New England Health Care System	8,189	0	8,189	0	0	0	0	0	0	0	0
White River Junction Medical Center	8,189	0	8,189	0	0	0	0	0	0	0	0
Virginia	331,891	0	25,253	0	30,021	0	21,956	0	0	254,250	411
Department of Defense	44,191	0	0	0	0	0	0	0	0	44,191	0
Department of the Air Force	44,191	0	0	0	0	0	0	0	0	44,191	0
Air Combat Command	2,339	0	0	0	0	0	0	0	0	2,339	0
Space Force	41,852	0	0	0	0	0	0	0	0	41,852	0
Space Development Agency	41,852	0	0	0	0	0	0	0	0	41,852	0
Department of Transportation	8,114	0	0	0	0	0	0	0	0	8,114	0
Federal Highway Administration	8,114	0	0	0	0	0	0	0	0	8,114	0
Office of Research, Development, and Technology	8,114	0	0	0	0	0	0	0	0	8,114	0
Department of Veterans Affairs	25,250	0	25,250	0	0	0	0	0	0	0	0
VISN 6: Mid-Atlantic Health Care Network	25,250	0	25,250	0	0	0	0	0	0	0	0
Hampton Medical Center	438	0	438	0	0	0	0	0	0	0	0
Richmond Health Care, Hunter Holmes McGuire Hospital	21,184	0	21,184	0	0	0	0	0	0	0	0
Salem Medical Center	3,628	0	3,628	0	0	0	0	0	0	0	0
Other agencies	254,335	0	3	0	30,021	0	21,956	0	0	201,945	411
National Aeronautics and Space Administration	254,335	0	3	0	30,021	0	21,956	0	0	201,945	411
Langley Research Center	254,335	0	3	0	30,021	0	21,956	0	0	201,945	411
Washington	89,911	0	65,698	0	24,213	0	0	0	0	0	0
Department of Commerce	24,213	0	0	0	24,213	0	0	0	0	0	0
National Oceanic and Atmospheric Administration	24,213	0	0	0	24,213	0	0	0	0	0	0
Oceanic and Atmospheric Research	24,213	0	0	0	24,213	0	0	0	0	0	0
Pacific Marine Environment Laboratory	24,213	0	0	0	24,213	0	0	0	0	0	0
Department of Veterans Affairs	65,698	0	65,698	0	0	0	0	0	0	0	0
VISN 20: Northwest Network	65,698	0	65,698	0	0	0	0	0	0	0	0
Puget Sound Health Care, Seattle Medical Center	65,698	0	65,698	0	0	0	0	0	0	0	0
West Virginia	1,434	0	1,434	0	0	0	0	0	0	0	0
Department of Veterans Affairs	1,434	0	1,434	0	0	0	0	0	0	0	0
VISN 5: Capitol Health Care Network	1,434	0	1,434	0	0	0	0	0	0	0	0
Huntington Health Care, Hershel (Woody) Williams Medical Center	1,434	0	1,434	0	0	0	0	0	0	0	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Wisconsin	46,899	207 i	26,162	0	0	3,940 i	14,931 i	0	0	1,659 i	0
Department of Agriculture	20,737	207 i	0 i	0 i	0 i	3,940 i	14,931 i	0 i	0 i	1,659 i	0 i
Forest Service	20,737	207 i	0 i	0 i	0 i	3,940 i	14,931 i	0 i	0 i	1,659 i	0 i
Forest Products Laboratory	20,737	207 i	0 i	0 i	0 i	3,940 i	14,931 i	0 i	0 i	1,659 i	0 i
Department of Veterans Affairs	26,162	0	26,162	0	0	0	0	0	0	0	0
VISN 12: Great Lakes Health Care System	26,162	0	26,162	0	0	0	0	0	0	0	0
Madison Health Care, William S. Middleton Memorial Veterans' Hospital	17,377	0	17,377	0	0	0	0	0	0	0	0
Milwaukee Health Care, Clement J. Zablocki Medical Center	8,785	0	8,785	0	0	0	0	0	0	0	0
Puerto Rico	5,875	5,261 i	614	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Department of Agriculture	5,261	5,261 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Forest Service	5,261	5,261 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
International Institute of Tropical Forestry	5,261	5,261 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Department of Veterans Affairs	614	0	614	0	0	0	0	0	0	0	0
VISN 8: Sunshine Health Care Network	614	0	614	0	0	0	0	0	0	0	0
Caribbean Health Care System	614	0	614	0	0	0	0	0	0	0	0
Multiple states	21,593,109	606,448 i	1,924,977	628,770	709,757	54,693	1,385,710	29,085	135,130	14,784,648	1,333,891
Department of Agriculture	962,214	410,649 i	317,080 i	978 i	3,310 i	0 i	48,290 i	0 i	91,563	6,770 i	83,575 i
Agricultural Research Service	835,752	373,945 i	317,080 i	978 i	3,310 i	0 i	48,290 i	0 i	1,805 i	6,770 i	83,575 i
Midwest Area	131,193	58,701 i	49,774 i	153 i	520 i	0 i	7,580 i	0 i	283 i	1,063 i	13,119 i
Northeast Area	161,648	72,327 i	61,329 i	189 i	640 i	0 i	9,340 i	0 i	349 i	1,309 i	16,165 i
Pacific West Area	169,342	75,769 i	64,247 i	198 i	671 i	0 i	9,785 i	0 i	366 i	1,372 i	16,934 i
Plains Area	182,884	81,829 i	69,385 i	214 i	724 i	0 i	10,567 i	0 i	395 i	1,481 i	18,288 i
Southeast Area	190,685	85,319 i	72,345 i	223 i	755 i	0 i	11,018 i	0 i	412 i	1,545 i	19,068 i
Animal and Plant Health Inspection Service	25,214	25,214	0	0	0	0	0	0	0	0	0
Forest Pest Methods Laboratory	10,149	10,149	0	0	0	0	0	0	0	0	0
Insect Management and Molecular Diagnostics Laboratory	3,436	3,436	0	0	0	0	0	0	0	0	0
National Veterinary Services Laboratories/ Center for Veterinary Biologics	11,629	11,629	0	0	0	0	0	0	0	0	0
Economic Research Service	89,757	0	0	0	0	0	0	0	89,757	0	0
Natural Resources Conservation Service	11,490	11,490	0	0	0	0	0	0	0	0	0
Plant Materials Center	11,490	11,490	0	0	0	0	0	0	0	0	0
Department of Commerce	167,317	28,933	4,539	623	132,196	73	0	0	922	0	31
National Oceanic and Atmospheric Administration	167,317	28,933	4,539	623	132,196	73	0	0	922	0	31
National Marine Fisheries Service	35,906	28,933	4,539	623	1,511	73	0	0	196	0	31

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Alaska Fisheries Science Center	10,959	10,959	0	0	0	0	0	0	0	0	0
Northeast Fisheries Science Center	8,355	8,260	0	0	0	0	0	0	95	0	0
Northwest Fisheries Science Center	9,839	3,141	4,529	584	1,511	73	0	0	0	0	0
Southeast Fisheries Science Center	6,754	6,574	10	38	0	0	0	0	101	0	31
National Ocean Service	73,898	0	0	0	73,898	0	0	0	0	0	0
Center for Operational Oceanographic Products and Services	2,383	0	0	0	2,383	0	0	0	0	0	0
National Centers for Coastal Ocean Science	52,173	0	0	0	52,173	0	0	0	0	0	0
National Geodetic Survey	7,138	0	0	0	7,138	0	0	0	0	0	0
Office for Coastal Management	6,040	0	0	0	6,040	0	0	0	0	0	0
Office of Response and Restoration	2,352	0	0	0	2,352	0	0	0	0	0	0
Office of the Coast Survey	3,811	0	0	0	3,811	0	0	0	0	0	0
National Weather Service	13,092	0	0	0	12,366	0	0	0	726	0	0
Office of Science and Technology Integration	13,092	0	0	0	12,366	0	0	0	726	0	0
Oceanic and Atmospheric Research	20,188	0	0	0	20,188	0	0	0	0	0	0
Global Monitoring Laboratory	20,188	0	0	0	20,188	0	0	0	0	0	0
Office of Marine and Aviation Operations	24,232	0	0	0	24,232	0	0	0	0	0	0
National Oceanic and Atmospheric Administration Corps	24,232	0	0	0	24,232	0	0	0	0	0	0
Department of Defense	17,374,079	55,659	576,289	619,653	104,357	49,912	667,952	24,173	28,503	14,005,053	1,242,528
Defense Information Systems Agency	63,979	0	0	63,979	0	0	0	0	0	0	0
Department of the Air Force	3,850,610	0	283	1,994	604	102	3,142	72	50	3,204,840	639,522
HQ Air Force Materiel Command	1,613,053	0	250	1,759	125	90	2,771	64	44	1,433,024	174,927
Air Force Research Lab - U.S. Air Force projects	1,613,053	0	250	1,759	125	90	2,771	64	44	1,433,024	174,927
Space Force	2,237,556	0	33	236	479	12	371	9	6	1,771,815	464,594
Air Force Research Lab - U.S. Space Force projects	216,170	0	33	236	17	12	371	9	6	192,044	23,443
Space Systems Command	2,021,386	0	0	0	463	0	0	0	0	1,579,771	441,152
Department of the Army	4,288,604	55,626	495,921	250,970	8,892	16,496	156,247	20,156	28,005	2,751,699	504,592
Army Engineer Research and Development Center	757,280	55,626	29,923	118,157	8,440	16,496	119,692	0	28,005	380,942	0
Army Medical Research and Development Command	458,275	0	458,275	0	0	0	0	0	0	0	0
Army Research Institute for the Behavioral and Social Sciences	18,817	0	0	0	0	0	0	18,817	0	0	0
Combat Capabilities Development Command (DEVCOM)	3,054,232	0	7,723	132,813	452	0	36,556	1,339	0	2,370,757	504,592
Armaments Center	257,297	0	0	0	0	0	0	0	0	257,297	0
Army Research Laboratory	408,678	0	7,723	17,597	452	0	9,917	1,339	0	33,546	338,104
Aviation and Missile Center	1,580,036	0	0	0	0	0	0	0	0	1,580,036	0

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance Center	665,954	0	0	113,212	0	0	26,638	0	0	359,615	166,489
Data and Analysis Center	142,267	0	0	2,004	0	0	0	0	0	140,263	0
Department of the Navy	5,136,079	33	80,085	302,710	94,861	33,313	508,562	3,946	448	4,013,707	98,414
Bureau of Medicine and Surgery	40,737	0	40,737	0	0	0	0	0	0	0	0
Naval Medical Research Command[a]	40,737	0	40,737	0	0	0	0	0	0	0	0
Naval Medical Research Unit - South	10,701	0	10,701	0	0	0	0	0	0	0	0
Naval Facilities Engineering and Expeditionary Warfare Center	29,000	0	0	6,000	0	0	8,000	0	0	13,000	2,000
Naval Information Warfare Systems Command	503,770	33	7,088	179,325	16,476	10,978	17,436	3,420	448	227,019	41,548
Naval Information Warfare Center Pacific	503,770	33	7,088	179,325	16,476	10,978	17,436	3,420	448	227,019	41,548
Naval Sea Systems Command Warfare Centers	3,841,762	0	9,494	70,644	108	22,336	62,074	526	0	3,651,262	25,318
Naval Surface Warfare Center	3,164,754	0	9,494	53,801	0	18,989	60,130	526	0	2,996,496	25,318
Naval Undersea Warfare Center	677,008	0	0	16,844	108	3,347	1,943	0	0	654,766	0
Office of Naval Research	720,810	0	22,766	46,741	78,277	0	421,052	0	0	122,426	29,548
Naval Research Laboratory	720,810	0	22,766	46,741	78,277	0	421,052	0	0	122,426	29,548
Missile Defense Agency	4,034,808	0	0	0	0	0	0	0	0	4,034,808	0
Department of Health and Human Services	822,471	75,000	721,625	186	702	145	2,643	581	1,020	20,261	307
Centers for Disease Control and Prevention	55,103	0	29,257	186	702	145	2,643	581	1,020	20,261	307
National Institute for Occupational Safety and Health	55,103	0	29,257	186	702	145	2,643	581	1,020	20,261	307
Food and Drug Administration	75,000	75,000	0	0	0	0	0	0	0	0	0
Center for Food Safety and Applied Nutrition	75,000	75,000	0	0	0	0	0	0	0	0	0
National Institutes of Health	692,368	0	692,368	0	0	0	0	0	0	0	0
National Institute of Allergy and Infectious Diseases	551,631	0	551,631	0	0	0	0	0	0	0	0
National Institute of Environmental Health Sciences	140,737	0	140,737	0	0	0	0	0	0	0	0
Department of the Interior	378,183	0	203,621	500	154,882	0	5,510	283	11,314	2,073	0
Bureau of Land Management	60	0	60	0	0	0	0	0	0	0	0
Geological Survey	378,123	0	203,561	500	154,882	0	5,510	283	11,314	2,073	0
Core Science Systems Mission Area	30,369	0	12,692	500	17,177	0	0	0	0	0	0
Ecosystems Mission Area	170,341	0	132,536	0	19,909	0	4,514	283	11,026	2,073	0
Energy and Minerals Mission Area	40,637	0	0	0	40,637	0	0	0	0	0	0
Natural Hazards Mission Area	77,159	0	0	0	77,159	0	0	0	0	0	0
Water Resources Mission Area	59,617	0	58,333	0	0	0	996	0	288	0	0
Department of Transportation	45,899 i	0 i	15,717 i	2,706 i	5,426 i	2,273 i	0 i	4,047 i	69 i	10,460 i	5,201 i

Table 10. Federal facility R&D expenditures, by R&D field and state: FY 2024

(Thousands of dollars)

State, agency, or facility	All R&D expenditures	R&D field									
		Agricultural sciences and natural resources and conservation	Biological, biomedical, and health sciences	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
Federal Aviation Administration	45,899 i	0 i	15,717 i	2,706 i	5,426 i	2,273 i	0 i	4,047 i	69 i	10,460 i	5,201 i
Office of Aerospace Medicine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of NextGen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other agencies	1,842,946	36,207	86,106	4,125	308,884	2,290	661,314	0	1,740	740,032	2,249
Environmental Protection Agency	301,135	36,207	82,771	4,125	124,105	2,290	7,190	0	1,740	42,707	0
Center for Computational Toxicology and Exposure	56,620	6,808	15,563	776	23,334	431	1,352	0	327	8,030	0
Center for Environmental Measurement and Modeling	87,706	10,545	24,107	1,201	36,146	667	2,094	0	507	12,439	0
Center for Environmental Solutions and Emergency Response	64,165	7,715	17,637	879	26,444	488	1,532	0	371	9,100	0
Center for Public Health and Environmental Assessment	92,644	11,139	25,465	1,269	38,181	705	2,212	0	535	13,139	0
National Aeronautics and Space Administration	1,541,811	0	3,334	0	184,779	0	654,124	0	0	697,324	2,249
Goddard Space Flight Center	1,057,584	0	0	0	176,215	0	600,623	0	0	278,774	1,972
Johnson Space Center	484,227	0	3,334	0	8,564	0	53,501	0	0	418,550	277
Panama	12,356	0	1,717	0	7	0	8,787	0	0	0	1,845
Other agencies	12,356	0	1,717	0	7	0	8,787	0	0	0	1,845
Smithsonian Institution	12,356	0	1,717	0	7	0	8,787	0	0	0	1,845
Under Secretary for Science and Research	12,356	0	1,717	0	7	0	8,787	0	0	0	1,845
Smithsonian Tropical Research Institute	12,356	0	1,717	0	7	0	8,787	0	0	0	1,845
All other international	743 i	0 i	743 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Department of Defense	743 i	0 i	743 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Department of the Navy	743 i	0 i	743 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i
Bureau of Medicine and Surgery	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Command[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naval Medical Research Unit - INDO PACIFIC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

i = more than 50% of the estimate is imputed, including cases where there is only one facility listed and its data are imputed. NA = not available; imputed data not reported at this level.

[a] Naval Medical Research Command headquarters and its subfacilities responded separately to the survey. Data displayed for the Naval Medical Research Command include both the headquarters and listed subfacilities totals.

Source(s):
National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey, FY 2024.

Technical Notes

Survey Overview (FY 2024 Survey Cycle)

Purpose. The Federal Facilities Research and Development (FFRD) Survey collects information on research and experimental development (R&D) expenditures and personnel for all federally owned and operated facilities in the United States. This survey is the unique source of federal performer-reported data on R&D expenditures and R&D personnel. In conjunction with performer-reported data for the remaining sectors of the economy, FFRD Survey data can be used to estimate total national R&D performance and other critical statistics that are increasingly important in the analysis of global R&D competitiveness.

Data collection authority. The information is solicited under the authority of the National Science Foundation Act of 1950, as amended, and the America COMPETES Reauthorization Act of 2010. NCSES has reviewed this product for unauthorized disclosure of confidential information and approved its release (NCSES-DRN25-004).

Survey contractor. ICF.

Survey sponsor. The FFRD Survey is sponsored by the National Center for Science and Engineering Statistics (NCSES) within the U.S. National Science Foundation.

Key Survey Information

Frequency. Annual.

Initial survey year. FY 2022.

Reference period. FY 2024.

Response unit. Establishment.

Sample or census. Census.

Population size. The population consists of 454 research-performing federal facilities within 36 federal agencies.

Sample size. Not applicable; the survey is a census of all known eligible federal facilities that conduct R&D.

Survey Design

Target population. The population for the FY 2024 FFRD Survey consisted of federally owned and operated facilities in the United States that performed R&D in FY 2024, excluding facilities of the Central Intelligence Agency (due to the classified nature of their work). Federally funded research and development centers (FFRDCs) are surveyed separately in the FFRDC R&D Survey, and University Affiliated Research Centers (federally funded but not federally owned or operated) are surveyed as part of the Higher Education Research and Development Survey.

Sampling frame. The facilities for the FY 2024 FFRD Survey were originally identified from the list of federal agencies with R&D obligations based on the Survey of Federal Funds for R&D and the Federal Laboratory Consortium list of laboratories. A facility is defined as a unit within an agency that is responsible for performing R&D, generally with its own distinct budget and leadership. Since each agency has a different organizational structure, this unit of measurement may be a division, branch, center, laboratory, or other entity and may span multiple locations. For FY 2024, the frame was updated by (1) removing records ineligible during the FY 2022 survey, (2) adding records having federal R&D obligations as reported in the Survey of Federal Funds for R&D, and (3) adding, removing, and adjusting reporting levels based on communications with agency contacts. The total number of reporting units for the FY 2024 FFRD Survey is 322, which represents the 454 research-performing federal facilities.

Sample design. Not applicable.

Data Collection and Processing Methods

Data collection. Data collection began with an e-mail to each agency to verify the reporting units and to confirm or identify the name, phone number, and e-mail address of each facility-level respondent. Table A-1 displays a list of facilities within each agency and notes which are reporting units for the FY 2024 FFRD Survey. When the reporting units are totaled, there are 300 total units across 36 agencies. There were 12 agency-level responses and 275 responses at a level lower than the agency-level for a total of 287 responses. Twenty-two reporting units were determined ineligible, including one entire agency.

Respondents could choose to submit a questionnaire downloaded from the Web or sent via e-mail (i.e., PDF or Excel format) or use a Web-based data collection system to respond to the survey. Questionnaires were carefully examined for completeness upon receipt. Respondents were sent personalized e-mail messages asking them to provide any necessary revisions before the final processing and tabulation of data. These e-mail messages included a link to the FFRD Survey Web-based collection system, allowing respondents to view and correct their data online. Respondents were also offered the opportunity to explain their data or provide corrections via e-mail, through PDF, or through Excel and have their data updated by survey staff.

Data collection began on 22 January 2025, and the requested due date for data submissions was 31 March 2025. Data collection was extended until most surveyed agencies provided at least partial data with the last completed survey response verified in May 2025.

Mode. Respondents could choose to submit a questionnaire via the Web-based data collection system or through fillable PDFs or Excel files that were then imported to the Web-based data collection system. All edit and trend checks were accomplished through the Web-based system. Five facilities submitted data using the fillable PDF, 148 facilities submitted using an Excel version of the survey, and 134 submitted using the Web-based data collection system.

Response rates. By the survey's closing date in May 2025, forms had been received from 287 facilities out of an eligible population of 300, a response rate of 95.7%. Table A-2 displays a detailed breakdown of response rates by Department of Defense (DOD) and non-DOD agencies, and table A-3 displays a breakdown of response rates for each survey question. Questions 9 and 10 had much lower response rates for non-DOD agencies and were the only questions with response rates less than 100% for DOD agencies. Questions 9 and 10 asked facilities to report headcounts for R&D personnel by function and job category (Question 9) and federal full-time equivalents (FTEs) by function (Question 10).

Data editing. Data inconsistencies or blank fields in the FFRD Survey were flagged automatically by the Web-based data collection system so that respondents could not submit their final data until all required fields were completed without errors. Respondents were contacted and asked to resolve possible self-reporting issues themselves. Questionnaires were carefully examined by survey staff upon receipt. Reviews focused on unexplained missing data, expenditures that significantly differed from the FY 2022 FFRD Survey, expenditures that significantly differed from the intramural obligations from the Survey of Federal Funds for R&D, and other data anomalies. If additional explanations or data revisions were needed, respondents were sent personalized e-mail messages asking them to provide any necessary revisions before the final processing and tabulation of data. For any follow-up questions that went unanswered, NCSES was consulted before the data were either accepted without changes or adjusted based on information from other questions or previous contacts with the respondent.

The Federal Highway Administration (FHA) provided data outside of survey forms and provided partial data that the survey team added to the database with FHA's approval. FHA provided total R&D intramural expenditures along with the distribution of R&D by federal and nonfederal sources. The survey team used FY 2022 data to estimate type of R&D for FY 2024 and other survey data points.

Imputation. Instances of missing data occurred when a facility did not respond to the survey (i.e., unit nonresponse) or when a facility responded but did not answer certain survey questions (i.e., item nonresponse). After removing 22 ineligible facilities, 300 total records remained, with 287 responses and 13 nonresponses. Among responding facilities, total R&D expenditures were completely observed (from Questions 1, 2, or 5 totals). The pattern of missing data showed that 67% of facilities have complete data across all variables selected for imputation. Personnel items are missing for 12% of facilities, and 4% of facilities are missing only the R&D fields detail. Another 17% of facilities are missing some combination of personnel detail items or expenditure detail items.

Imputed values are not displayed at the facility level; these are replaced with “NA” in the tables. However, the imputed values are included in the agency, department, and overall totals.

The imputation process for the FY 2024 FFRD Survey is a combination of multiple imputation models, and deterministic proportional allocation were used for item totals and item details respectively. Auxiliary information from the FY 2022 FFRD Survey was used in modeling and calculation of proportions where appropriate. The imputation includes five main steps:

First, the total intramural R&D expenditures were estimated using a linear regression model with the expenditures from the FY 2022 FFRD Survey. The model included separate intercepts for each agency and log-transformed R&D totals. The U.S. Geological Survey was excluded from the imputation model due to the facility reporting a combined intramural and extramural total. The Department of the Air Force was excluded because total reported expenditures were substantially larger than other agencies and because it did not respond in FY 2022. Multiple imputation was used to create multiple sets (m = 5) of plausible values for the missing values. After imputing total onsite R&D expenditures, the imputed value was assigned to other fields representing the same value including total type of R&D-type expenditures (Question 4), total field of R&D expenditures (Question 5), and within facility costs (subset of Question 2).

Second, the intramural total R&D expenditures were then allocated to the subcategories of type of R&D, source of funding and federal agency source of funding, and field of R&D. Type of R&D and field of R&D were imputed for nonresponding facilities based on the percent distributions using the following information in order:

1. FY 2022 FFRD Survey observed distribution for the facility,
2. Responding FY 2024 facilities within the same agency aggregated to the agency level, and
3. Responding FY 2024 facilities within the same agency aggregated to the department level.

All imputed R&D amounts were assigned as a federal source of R&D. This follows the same procedure in FY 2022 based on the majority of R&D in FY 2024 coming from federal sources for each type (98% basic research, 97% applied research, and 99% experimental development).

Third, total R&D expenditures (Question 1) and personnel item totals (Questions 9 and 10) were imputed using Multivariate Imputation by Chained Equations (MICE). The multiple imputation is a two-stage nested version using additional $n = 4$ imputation sets for a total $M = mn$ imputed data set ($M = 20$). For every imputation in the first type (e.g., R&D expenditures), additional imputations are created for the second type (e.g., personnel), holding the first imputed values fixed.

Fourth, after the second imputation model, the total R&D expenditures value was assigned to the cost type total (Question 2), since these two variables represent the same amount. R&D expenditures performed outside facilities (subset of Question 2) were calculated as the difference between total R&D expenditures and total R&D within facilities.

For DOD facilities, when some facilities within the agency responded (partial agency response), total research, development, testing, and evaluation (RDT&E) (Question 1) for nonresponding DOD facilities were imputed based on a ratio adjustment using the ratio of total expenditures at the agency level and applying it to the imputed R&D total for the facility. When no facilities responded within the agency surveyed by the FY 2024 FFRD Survey, the ratio adjustment was based on the department level from the FY 2024 FFRD Survey. Finally, operational system development expenditures were calculated as the difference between total RDT&E and total R&D.

Lastly, personnel (Questions 9 and 10) totals were allocated to function (i.e., researcher, technician, support) based on the percentage distribution using the following information in order:

1. FY 2022 FFRD Survey observed distribution for the facility,
2. Responding facilities within the same agency aggregated to the agency level,
3. Responding facilities within the same department aggregated to the department level, and
4. Responding facilities within the same DOD or non-DOD category aggregated to the DOD or non-DOD level.

The imputed job counts and FTE for federal employees, contractors, and other employment status for each role were summed to calculate the imputed total job count and FTE.

Weighting. Survey data were not weighted.

Survey Quality Measures

Sampling error. Because the FY 2024 survey was distributed to all eligible agencies performing R&D, there was no sampling error.

Coverage error. Under the total survey error framework, coverage error describes the difference between reporting units and units in the target population that the frame was developed to reach. The subset of agencies is based on those reporting non-zero intramural R&D obligations on the Survey of Federal Funds for R&D. Risk of coverage bias is small if an agency had federal R&D expenditures but did not have reported obligations.

Nonresponse error. Nonresponse error refers to the differences in key estimates between units (i.e., facilities) in the frame that were selected for data collection and those that responded. Of the 300 eligible reporting units, 287 responded for a response rate of 95.7%. For unit nonresponse, multiple follow-ups were conducted with nonresponding facilities, and multiple contact and data collection modes were used (i.e., phone and e-mail) to mitigate nonresponse error. The imputations include predictions of unit nonrespondents to reduce the risk of nonresponse bias in the final estimates.

The item response rate ranged from 93.0% to 100% for the DOD agencies and from 81.1% to 100% for the non-DOD agencies. For item nonresponse, facilities were encouraged to report estimates of expenditures when actual dollar amounts could not be provided. This approach reduces item nonresponse error risk but may introduce measurement error. Imputation was conducted to help mitigate item nonresponse error.

Measurement error. The FFRD Survey contained various ways for respondents to explain their answers. This included comment boxes for every question with instructions to provide additional information about how they calculated their response and any assumptions they made. Respondents were also prompted to enter comments if they indicated any data were unavailable. Additionally, questions requiring detailed reporting of personnel also included a checkbox to allow the respondent to indicate if they were able to provide the total number but were unable to provide details. The largest risk of measurement error is likely respondents' interpretation of the definition of R&D activities and variations in record-keeping procedures used by respondents to answer the survey questions. In addition, other known measurement problems are known to exist in the data, as shown below.

- *R&D expenditures*. The survey included a question asking respondents to confirm if they were reporting expenditures. Not all facilities were able to report expenditure data and instead reported obligations. Twenty-nine facilities confirmed they could not report expenditures.
- *Type of R&D*. Some facilities said that these amounts were difficult to report either because they could not determine how best to allocate expenditures among the three categories or because they did not track information in that way.
- *Military personnel salaries*. In the prior study year, the study team heard from several facilities that military R&D personnel salary data can be difficult to report as it is often tracked separately from R&D expenditures. As such, several facilities that likely do have military personnel were unable to report salary and benefit expenditure data because they are unavailable.

Data Comparability (Changes)

Data revisions. Annual data are available for FY 2022. FY 2023 was not collected in an effort to improve the timing of the data collection. Moving forward, there are no plans to skip fiscal years.

In some cases, the review for consistency between the FY 2022 and FY 2024 submissions revealed significant differences due to facilities' reappraisal of their classification of various aspects of R&D programs for FY 2024. In those instances, NCSES requested that facilities revise FY 2022 data to maintain consistency and comparability.

In cases where a response was not received in FY 2022 but was received in FY 2024, no revisions were made to the imputed FY 2022 totals. Caution should be used when comparing facility-level reported data in FY 2024 with the corresponding FY 2022 imputed amounts. The largest difference in imputed FY 2022 data and reported FY 2024 data is within the Department of the Air Force, where the FY 2024 reported amount was more than double the FY 2022 imputed amount. This was due to the large amount of R&D expenditures for onsite contractors, which was a category not able to be estimated in FY 2022.

For trend comparisons, use the historical data from only the most recent publication, which incorporates changes facilities have made in prior year data to reflect corrections. Do not use data published earlier.

Changes in survey coverage and population. For FY 2024, changes to the reporting units for four agencies are described below:

- Department of the Air Force. The survey team imputed data for likely R&D performers in FY 2022. Prior to the FY 2024 collection, the survey team identified respondents within the Air Force who identified all likely R&D performers. This changed the number of reporting units for Air Force from 5 to 12. However, during collection, 3 were deemed ineligible as they do not perform R&D within the facility.
- Space Force. As part of identifying Air Force reporting units, the Air Force agency-level contact informed the survey team that Space Force should be listed under the Air Force and not as its own agency under the Department of Defense. Additionally, it was determined that FY 2022 data did not include the correct Space Force reporting unit structure. This changed the number of reporting units for Space Force from 27 to 6. However, during collection, 2 were deemed ineligible as they did not perform R&D.

- National Oceanic and Atmospheric Administration. An agency-level respondent identified 11 facilities that do not conduct R&D within the facility and should not have been included in the FY 2022 population. These facilities were removed from the FY 2022 totals in table 3:
  - Office of the Chief Information Officer
  - Office of the Chief Administrative Officer
  - Marine and Aviation Operations Center
  - U.S. Integrated Ocean Observing System
  - Office of Habitat Conservation
  - Greater Atlantic Region Fisheries Office
  - West Coast Region
  - Pacific Islands Regional Office
  - Alaska Regional Office
  - Southeast Regional Office
  - Office of Water Prediction
- Smithsonian Institution. The survey team imputed data for likely R&D performers in FY 2022. Prior to the FY 2024 data collection, the survey team identified an agency-level respondent who identified all facilities within the Smithsonian Institution that perform R&D. This changed the number of reporting units from 6 to 22.

Changes in questionnaire. In FY 2024, the questionnaire was reorganized to ask for expenditures within the facility and outside of the facility at the beginning of the questionnaire versus separating it into two sections beginning with expenditures within the facility only.

Question 1 is new and requests total expenditures for R&D activities both within the facility by federal personnel or contractors and funding provided to others to conduct R&D outside the facility. The DOD version of Question 1 asks for total RDT&E by budget activity for RDT&E performed within and outside the facility.

Additionally, Section 2: R&D Funding to Other Organizations (FY 2022 Questions 6–8) was removed from the survey. The total funding provided to other organizations is now requested as part of new Question 2 that asks for R&D expenditures by types of costs including expenditures for onsite contractors, all other costs for R&D performed within the facility, and R&D expenditures for work performed outside the facility.

Question 3 is a new question that asks what is included in the total R&D expenditures within their facility with the following checkbox response options:

- Salaries and fringe benefits of federal R&D personnel, trainees, and fellows
- Salaries and fringe benefits of onsite contractors working on R&D
- Salaries and fringe benefits of military R&D personnel
- Indirect costs associated with R&D activities
- Costs for equipment, materials, and supplies necessary for the R&D activities
- Other

Additional funding agencies were added to Question 6, federal source of funding, reducing the number of write-in agencies.

When reporting personnel headcounts by job category on Question 9, facilities have the option to provide only total counts if a breakout by job category or function is not possible. Similarly, facilities can provide only total federal personnel FTE if a breakout by R&D function is not possible.

Definitions

Facility. A unit within an agency that is responsible for performing R&D, generally with its own distinct budget and leadership. This may be a division, branch, center, laboratory, or other entity. The staff who work within the facility, and the facility itself, may be located in more than one physical location.

Fields of R&D. A list of the 56 fields of R&D reported on can be found on the survey questionnaire. In the data tables, the fields are grouped into 10 major areas: agricultural sciences and natural resources and conservation; biological, biomedical, and health sciences; computer and information sciences; geosciences, atmospheric sciences, and ocean sciences; mathematics and statistics; physical sciences; psychology; social sciences; engineering; and other fields.

Fiscal year. The federal government's financial year: FY 2024 began 2023 October 1 and ended 2024 September 30.

Full-time equivalents (FTEs). Calculated as the total working effort spent on research during a specific period divided by the total effort representing a full-time schedule within the same period. FTE R&D personnel are federal employees and military personnel only.

Public-private partnerships. Those in which the government and private companies share R&D costs.

Research and experimental development (R&D). R&D is creative and systematic work undertaken in order to increase the stock of knowledge—including knowledge of humankind, culture, and society—and to devise new applications of available knowledge. R&D has five major features:

- *Novel.* Advances current knowledge or creates new knowledge
- *Creative.* Focuses on original concepts and hypotheses
- *Uncertain.* Outcomes are not completely determined at the outset of a project
- *Systematic.* Projects are planned and budgeted
- *Transferable or reproducible.* Methodology and results are transferable to or reproducible in other situations and locations

R&D also has three major types: basic research, applied research, and experimental development.

Research, development, testing, and evaluation (RDT&E). Exclusive to DOD, this consists of all the activities described above for R&D conduct plus:

- *Operational system development (Budget Activity 7)*. Pre-production development of non-experimental work on a product or system before it goes into full production, including activities such as tooling and development of production facilities.
- *Software and digital technology pilot programs (Budget Activity 8).* Software, electronic tools, systems, applications, resources, acquisition of services, business process re-engineering activities, functional requirements development, technical evaluations, and other activities in direct support of acquiring, developing, deploying, sustaining, enhancing, and modernizing Software Digital Technology Pilot Programs.

R&D expenditures. Money the facility spent in FY 2024 for R&D projects both within and outside a facility. Expenditures are often referred to as outlays. Expenditures include labor costs for R&D projects; noncapital purchases of materials, supplies, equipment, and services to support R&D performance; general administration costs in support of R&D activities; and expenditures for funding provided to others to conduct R&D outside a facility.

- Total FY 2024 expenditures for R&D both within and outside a facility are collected in Question 1. This includes all of a facility's R&D expenditures, regardless of whether the funding was from direct appropriations, interagency agreements, reimbursable funds, or nonfederal sources; expenditures for R&D performed by the facility's employees; and expenditures for R&D performed within and outside the facility by contractors or other entities.
- Question 2 includes total FY 2024 expenditures for R&D separated by types of costs: (a) R&D expenditures for onsite contractors, (b) all other costs for R&D performed within the facility, (c) total R&D expenditures within the facility, (d) R&D expenditures for work performed outside the facility, and (e) total R&D expenditures.
- Question 4 and all questions that follow focus on total R&D expenditures within a facility reported in Question 2, row c.

Sources of R&D funding and type of organization.

- *U.S. federal government*. Any agency of the U.S. government. Federal funds that were passed through from another institution were included.
- *State and local government*. Any state, county, municipality, or other local government entity in the United States, not including funds from state and local universities and colleges or agricultural experiment stations.
- *Business*. Domestic or foreign for-profit businesses or industrial firms.
- *Nonprofit organizations*. Domestic or foreign nonprofit foundations and organizations, except universities and colleges.
- *Higher education*. Domestic higher education institutions, military service academies, and consortia.
- *All other organizations*. Sources not reported in other categories, such as funds from foreign governments.

Type of R&D.

- *Basic research*. Experimental or theoretical work undertaken primarily to acquire new knowledge of the underlying foundations of phenomena and observable facts, without any particular application or use in view.
- *Applied research*. Original investigation undertaken in order to acquire new knowledge. It is directed primarily toward a specific, practical aim or objective.
- *Experimental development*. Systematic work, drawing on knowledge gained from research and practical experience and producing additional knowledge, which is directed to producing new products or processes or to improving existing products or processes. Like research, experimental development will result in gaining additional knowledge.

  Experimental development includes the following:

  - The production of materials, devices, and systems or methods, including the design, construction, and testing of experimental prototypes.
  - Technology demonstrations, in cases where a system or component is being demonstrated at scale for the first time, and additional refinements to the design (feedback R&D) following the demonstration. However, not all activities that are identified as “technology demonstrations” are R&D.

  Experimental development does not include the following:

  - User demonstrations where the cost and benefits of a system are being validated for a specific use case. This includes low-rate initial production activities.

- Preproduction development, which is defined as nonexperimental work on a product or system before it goes into full production, including activities such as tooling and development of production facilities. Activities and programs of this type should generally be reported as investments in other major equipment.

R&D personnel. All employees who work on R&D or provide direct support to R&D, such as researchers, R&D managers, technicians, support staff, and others assigned to R&D groups or projects. Personnel may include federal employees, military personnel (civilian and enlisted), contractors, consultants, or volunteers.

- R&D personnel include all R&D personnel, whether full time or part time, temporary or permanent. Employees may perform scientific and technical work for an R&D project (e.g., designing experiments, building prototypes), plan and manage R&D projects, or provide direct support for administration of the financial and personnel aspects of R&D.
- R&D personnel does not include employees who provide general support services to the facility, such as services provided by personnel in central finance, computing, printing, maintenance, security, or similar departments in your agency that provide services to both R&D and non-R&D projects.

Types of R&D personnel.

- *Researchers.* Professionals engaged in the conception or creation of new knowledge, products, processes, methods, and systems and also in the management of the projects concerned. Includes R&D managers in this category.
- *R&D technicians.* Persons whose main tasks require technical knowledge and experience in one or more fields of science or engineering but who contribute to R&D by performing technical tasks such as computer programming, data analysis, ensuring accurate testing, operating lab equipment, and preparing and processing samples under the supervision of researchers.
- *R&D support staff.* Not directly involved with the conduct of a research project but support the researchers and technicians. These employees might include clerical staff, financial and personnel administrators, report writers, patent agents, safety trainers, equipment specialists, and other related employees.

Technical Tables

Table	Title
A-1	List of agencies, reporting units, underlying facilities for those reporting units, and survey response status: FY 2024
A-2	Survey unit response: FY 2024
A-3	Survey question item response rates: FY 2024

Table A-1. List of agencies, reporting units, underlying facilities for those reporting units, and survey response status: FY 2024

(Text)

Agency or facility	Reporting unit	Responded to survey
Department of Agriculture	No	-
Agricultural Research Service	No	-
Midwest Area	Yes	Yes
Avian Disease and Oncology Laboratory	No	-
Biological Control of Insects Research Laboratory	No	-
Cereal Crops Research Unit	No	-
Cereal Disease Laboratory	No	-
Corn Insects and Crop Genetics Research	No	-
Crop Production and Pest Control Research	No	-
Cropping Systems and Water Quality Research Unit	No	-
Dairy Forage Research Center	No	-
Food Animal Environmental System Research	No	-
Global Change and Photosynthesis Research	No	-
Livestock Behavior Research	No	-
National Animal Disease Center	No	-
National Center for Agricultural Utilization Research	No	-
National Laboratory for Agriculture and the Environment	No	-
National Soil Erosion Research	No	-
National Soybean Research Center	No	-
North Central Soil Conservation Research Laboratory	No	-
Plant Genetics Research	No	-
Plant Introduction Research	No	-
Plant Science Research Unit	No	-
Seacrest Arboretum	No	-
Soil and Water Management Research	No	-
Sugarbeet and Bean Research	No	-
Vegetable Crops Research Unit	No	-
Northeast Area	Yes	Yes
Beltsville Agricultural Research Center	No	-
Beltsville Human Nutrition Research Center	No	-
Beneficial Insects Introduction Research Unit	No	-
Cool and Cold Water Aquaculture Research	No	-
Eastern Regional Research Center	No	-
Food Systems Research Unit	No	-
George Washington Carver Center	No	-
Grape Genetics Research Unit	No	-
Innovative Fruit Production, Improvement, and Protection	No	-
Jamie L. Whitten Building	No	-
Jean Mayer Human Nutrition Research Center on Aging	No	-
National Arboretum	No	-
National Cold Water Marine Aquaculture Center	No	-
New England Plant, Soil, and Water Research Laboratory	No	-
Northeast Area Headquarters	No	-
Pasture System and Watershed Management Research	No	-
Plum Island Animal Disease Center	No	-
Residue Chemistry and Predictive Microbiology Research	No	-
Robert W. Holley Center for Agriculture and Health	No	-
Sustainable Biofuels and Co-products Research	No	-
The Foreign Disease-Weed Science Research	No	-
Pacific West Area	Yes	Yes
Aberdeen Research and Extension Center	No	-
Animal Disease Research Unit	No	-
Arid Land Agricultural Research Center	No	-

Table A-1. List of agencies, reporting units, underlying facilities for those reporting units, and survey response status: FY 2024

(Text)

Agency or facility	Reporting unit	Responded to survey
Carl Hayden Bee Research Center	No	-
Columbia Plateau Conservation Research Center	No	-
Crop Improvement and Protection Research Unit	No	-
Crops Pathology and Genetics Research Unit	No	-
Daniel K. Inouye Pacific Basin Agricultural Research Center	No	-
Forage and Range Research Unit	No	-
Grain Legume Genetics Physiology Research Unit	No	-
Great Basin Rangelands Research Unit	No	-
Horticultural Crops Disease and Pest Management Research Unit	No	-
National Clonal Germplasm Repository	No	-
National Clonal Germplasm Repository - Tree Fruit and Nut Crops and Grapes	No	-
National Clonal Germplasm Repository for Citrus	No	-
National Forage Seed Production Research Center	No	-
Northwest Irrigation and Soils Research Unit	No	-
Northwest Sustainable Agroecosystems Research Unit	No	-
Northwest Watershed Research Center	No	-
Physiology and Pathology of Tree Fruits Research Unit	No	-
Plant Germplasm Introduction and Testing Research Unit	No	-
Poisonous Plant Research Unit	No	-
Pollinating Insect-Biology, Management, and Systematics Research Unit	No	-
Range and Meadow Forage Management Research Unit	No	-
Salinity Laboratory	No	-
San Joaquin Valley Agricultural Sciences Center	No	-
Sheep Experiment Station	No	-
Southwest Watershed Research Center	No	-
Temperate Tree Fruit and Vegetable Research Unit	No	-
Western Human Nutrition Research Center	No	-
Western Regional Research Center	No	-
Wheat Health, Genetics, and Quality Research Unit	No	-
Plains Area	Yes	Yes
Agroecosystem Management Research Unit	No	-
Center For Agriculture Resources Research	No	-
Center for Grain and Animal Health Research	No	-
Central Great Plains Resources Management Research Unit	No	-
Children's Nutrition Research Center	No	-
Conservation and Production Research Laboratory	No	-
Cropping Systems Research Laboratory	No	-
Edward T. Schafer Agricultural Research Center	No	-
Fort Keough	No	-
Grand Forks Human Nutrition Research Center	No	-
Grassland Soil and Water Research Laboratory	No	-
Grazinglands Research Laboratory	No	-
Knipling-Bushland Livestock Insects Research Laboratory	No	-
North Central Agricultural Research Laboratory	No	-
Northern Great Plains Research Laboratory	No	-
Northern Plains Agricultural Research Laboratory	No	-
Oklahoma Agricultural Experiment Station	No	-
Range Management Research Unit	No	-
Reproduction Research	No	-
Roman L. Hruska Meat Animal Research Center	No	-
Southern Plains Agricultural Research Center	No	-
Southern Plains Range Research Station	No	-
Southwestern Cotton Ginning Research Laboratory	No	-

Table A-1. List of agencies, reporting units, underlying facilities for those reporting units, and survey response status: FY 2024

(Text)

Agency or facility	Reporting unit	Responded to survey
Wheat, Sorghum, and Forage Research Unit	No	-
Southeast Area	Yes	Yes
Aquatic Animal Health Research Unit	No	-
Arkansas Children's Nutrition Center	No	-
Center for Medical, Agricultural, and Veterinary Entomology	No	-
Coastal Plain Soil, Water, and Plant Conservation Research	No	-
Coastal Research and Education Center	No	-
Dale Bumpers National Rice Research Center	No	-
Dale Bumpers Small Farms Research Center	No	-
Delta Water Management Research Unit	No	-
Food Science, Market Quality, and Handling Research Unit	No	-
Genetics and Sustainable Agriculture Research Unit	No	-
Harry K. Dupree Stuttgart National Aquaculture Research Center	No	-
Honey Bee Breeding, Genetics, and Physiology Research Unit	No	-
Horticultural Research Laboratory	No	-
Invasive Plant Research Laboratory	No	-
National Peanut Research Laboratory	No	-
National Poultry Research Center	No	-
National Sedimentation Laboratory	No	-
Plant Genetic Resources Conservation Unit	No	-
Plant Science Research Unit	No	-
Pollinator Health in Southern Crop Ecosystems Research Unit	No	-
Poultry Production and Product Safety Research Unit	No	-
Poultry Research Unit	No	-
Soil Dynamics Research Unit	No	-
Southeast Area Headquarters	No	-
Southeast Regional Biomass Research Center	No	-
Southeastern Fruit and Tree Nut Research Laboratory	No	-
Southern Regional Research Center	No	-
Soybean and Nitrogen Fixation Research	No	-
Subtropical Horticulture Research Station	No	-
Sugarcane Field Station	No	-
Sugarcane Research Unit	No	-
Thad Cochran Research Center	No	-
Tropical Agriculture Research Station	No	-
Animal and Plant Health Inspection Service	No	-
Science and Technology	No	-
Center for Veterinary Biologics[a]	No	-
Forest Pest Methods Laboratory	Yes	Yes
Insect Management and Molecular Diagnostics Laboratory	Yes	Yes
National Veterinary Services Laboratories[a]	Yes	Yes
National Wildlife Research Center	Yes	Yes
Plant Pathogen Confirmatory Diagnostics Laboratory	Yes	Yes
Treatment and Inspection Methods Laboratory	Yes	No
Economic Research Service	Yes	Yes
Forest Service	No	-
Forest Products Laboratory	Yes	Yes
International Institute of Tropical Forestry	Yes	Yes
Northern Research Station	Yes	Yes
Pacific Northwest Research Station	Yes	Yes
Pacific Southwest Research Station	Yes	Yes
Rocky Mountain Research Station	Yes	Yes
Southern Research Station	Yes	Yes

Table A-1. List of agencies, reporting units, underlying facilities for those reporting units, and survey response status: FY 2024

(Text)

Agency or facility	Reporting unit	Responded to survey
Washington Office Research and Development	Yes	Yes
National Agricultural Statistics Service	Yes	Yes
Natural Resources Conservation Service	No	-
Plant Materials Center	Yes	Yes
Soil Science Research Branch	Yes	Yes
Department of Commerce	No	-
Census Bureau	Yes	Yes
Center for Behavioral Science Methods	No	-
Center for Statistical Research and Methodology	No	-
National Institute of Standards and Technology	Yes	Yes
Center for Neutron Research	No	-
Communications Technology Laboratory	No	-
Engineering Laboratory	No	-
Information Technology Laboratory	No	-
Material Measurement Laboratory	No	-
Physical Measurement Laboratory	No	-
National Oceanic and Atmospheric Administration	No	-
Mission Support	No	-
National Environmental Satellite, Data, and Information Service	No	-
Center for Satellite Applications and Research	Yes	Yes
National Centers for Environmental Information	Yes	Yes
National Marine Fisheries Service	No	-
Alaska Fisheries Science Center	Yes	Yes
Northeast Fisheries Science Center	Yes	Yes
Northwest Fisheries Science Center	Yes	Yes
Office of Protected Resources	Yes	Yes
Office of Science and Technology	Yes	Yes
Office of Sustainable Fisheries	Yes	Yes
Pacific Island Fisheries Science Center	Yes	Yes
Southeast Fisheries Science Center	Yes	Yes
Southwest Fisheries Science Center	Yes	Yes
National Ocean Service	No	-
Center for Operational Oceanographic Products and Services	Yes	Yes
National Centers for Coastal Ocean Science	Yes	Yes
National Geodetic Survey	Yes	Yes
Office for Coastal Management	Yes	Yes
Office of Response and Restoration	Yes	Yes
Office of the Coast Survey	Yes	Yes
National Weather Service	No	-
National Centers for Environmental Prediction	Yes	Yes
Aviation Weather Center	No	-
Central Operations	No	-
Climate Prediction Center	No	-
Environmental Modeling Center	No	-
National Hurricane Center	No	-
Ocean Prediction Center	No	-
Space Weather Prediction Center	No	-
Storm Prediction Center	No	-
Weather Prediction Center	No	-
Office of Science and Technology Integration	Yes	Yes
Meteorological Development Laboratory	No	-
Oceanic and Atmospheric Research	No	-
Air Resources Laboratory	Yes	Yes

Table A-1. List of agencies, reporting units, underlying facilities for those reporting units, and survey response status: FY 2024

(Text)

Agency or facility	Reporting unit	Responded to survey
Atlantic Oceanographic and Meteorological Laboratory	Yes	Yes
Chemical Sciences Laboratory	Yes	Yes
Climate Program Office	Yes	Yes
Earth System Research Laboratories	Yes	Yes
Geophysical Fluid Dynamics Laboratory	Yes	Yes
Global Monitoring Laboratory	Yes	Yes
Global Ocean Monitoring and Observing Program	Yes	Yes
Global Systems Laboratory	Yes	Yes
Great Lakes Environmental Research Laboratory	Yes	Yes
National Sea Grant College Program	Yes	Yes
National Severe Storms Laboratory	Yes	Yes
Ocean Acidification Program	Yes	Yes
Office of Ocean Exploration and Research	Yes	Yes
Office of Research Transition and Application	Yes	Yes
Pacific Marine Environment Laboratory	Yes	Yes
Physical Sciences Laboratory	Yes	Yes
Weather Program Office	Yes	Yes
Office of Marine and Aviation Operations	No	-
National Oceanic and Atmospheric Administration Corps	Yes	Yes
National Telecommunications and Information Administration	No	-
Institute for Telecommunication Sciences	Yes	Yes
Department of Defense	No	-
Defense Information Systems Agency	Yes	Yes
Defense Information Systems Agency - Maryland	No	-
Joint Interoperability Test Center	No	-
Department of the Air Force	No	-
Air Combat Command	Yes	Yes
Air Education Training Command	Yes	Yes
Air Force Global Strike Command	Yes	Yes
Air Force Operational Test and Evaluation	Yes	Yes
Air Force Transportation Command	Yes	Yes
HQ Air Force Materiel Command	No	-
Air Force Materiel Command (AFMC)	Yes	Yes
Air Force Research Lab - U.S. Air Force projects	Yes	Yes
Directed Energy Directorate	No	-
Information Directorate	No	-
Materials and Manufacturing Directorate	No	-
Munitions Directorate	No	-
Sensors Directorate	No	-
Space Vehicles Directorate	No	-
Secretary of the Air Force	No	-
Air Force - Manpower and Reserve Affairs	Yes	Yes
Space Force	No	-
Air Force Research Lab - U.S. Space Force projects	Yes	Yes
Space Development Agency	Yes	Yes
Space Operations Command	Yes	Yes
Space Systems Command	Yes	Yes
U.S. Space Command	Yes	Yes
Department of the Army	No	-
Army Cyber Command	Yes	No
Army Medical Research and Development Command	Yes	Yes
Walter Reed Institute of Research	No	-
Army Research Institute for the Behavioral and Social Sciences	Yes	Yes

Table A-1. List of agencies, reporting units, underlying facilities for those reporting units, and survey response status: FY 2024

(Text)

Agency or facility	Reporting unit	Responded to survey
Combat Capabilities Development Command (DEVCOM)	No	-
Armaments Center	Yes	Yes
Army Research Laboratory	Yes	Yes
Aviation and Missile Center	Yes	Yes
Chemical Biological Center	Yes	Yes
Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance Center	Yes	Yes
Data and Analysis Center	Yes	Yes
DEVCOM Headquarters	Yes	Yes
Ground Vehicle Systems Center	Yes	Yes
Soldier Center	Yes	Yes
Corps of Engineers	No	-
Army Engineer Research and Development Center	Yes	Yes
Space and Missile Defense Command	Yes	Yes
Department of the Navy	No	-
Bureau of Medicine and Surgery	No	-
Naval Medical Research Command	Yes	Yes
Naval Health Research Center	Yes	Yes
Naval Medical Research Unit - Dayton	Yes	No
Naval Medical Research Unit - INDO PACIFIC	Yes	No
Naval Medical Research Unit - San Antonio	Yes	No
Naval Medical Research Unit - South	Yes	Yes
Naval Submarine Medical Research Laboratory	Yes	Yes
Marine Corps	Yes	Yes
Naval Air Warfare Center Aircraft Division	Yes	Yes
Naval Air Warfare Center Weapon Division	Yes	Yes
Naval Facilities Engineering and Expeditionary Warfare Center	Yes	Yes
Naval Information Warfare Systems Command	No	-
Naval Information Warfare Center Atlantic	Yes	Yes
Naval Information Warfare Center Pacific	Yes	Yes
Naval Observatory	Yes	Yes
Naval Oceanographic Office	Yes	Yes
Naval Sea Systems Command Warfare Centers	No	-
Naval Surface Warfare Center	Yes	Yes
Naval Undersea Warfare Center	Yes	Yes
Office of Naval Research	No	-
Naval Research Laboratory	Yes	Yes
Missile Defense Agency	Yes	Yes
Department of Energy	No	-
Science and Energy	No	-
Office of Fossil Energy	No	-
National Energy Technology Laboratory	Yes	No
Department of Health and Human Services	No	-
Centers for Disease Control and Prevention	No	-
National Center for Emerging and Zoonotic Infectious Diseases	Yes	Yes
National Center for HIV, Viral Hepatitis, STD, and Tuberculosis Prevention	Yes	Yes
National Center on Birth Defects and Developmental Disabilities	Yes	Yes
National Institute for Occupational Safety and Health	Yes	Yes
Food and Drug Administration	No	-
Center for Biologics Evaluation and Research	Yes	Yes
Center for Devices and Radiological Health	Yes	Yes
Center for Drug Evaluation and Research	Yes	Yes
Center for Food Safety and Applied Nutrition	Yes	Yes

Table A-1. List of agencies, reporting units, underlying facilities for those reporting units, and survey response status: FY 2024

(Text)

Agency or facility	Reporting unit	Responded to survey
Center for Tobacco Products	Yes	Yes
Center for Veterinary Medicine	Yes	Yes
Office of Regulatory Affairs	Yes	Yes
Office of Regulatory Science	No	-
Office of Food and Feed Laboratory Operations	No	-
Office of Medical Products, Tobacco, and Specialty Laboratory Operations	No	-
Office of the Chief Scientist	No	-
National Center for Toxicological Research	Yes	Yes
Oncology Center of Excellence	Yes	Yes
National Institutes of Health	No	-
Clinical Center	Yes	Yes
Eunice Kennedy Shriver National Institute of Child Health and Human Development	Yes	Yes
National Cancer Institute	Yes	Yes
National Center for Advancing Translational Sciences	Yes	Yes
National Center for Complementary and Integrative Health	Yes	Yes
National Eye Institute	Yes	Yes
National Heart, Lung, and Blood Institute	Yes	Yes
National Human Genome Research Institute	Yes	Yes
National Institute of Allergy and Infectious Diseases	Yes	Yes
National Institute of Arthritis and Musculoskeletal and Skin Diseases	Yes	Yes
National Institute of Biomedical Imaging and Bioengineering	Yes	Yes
National Institute of Dental and Craniofacial Research	Yes	Yes
National Institute of Diabetes and Digestive and Kidney Diseases	Yes	No
National Institute of Environmental Health Sciences	Yes	Yes
National Institute of Mental Health	Yes	Yes
National Institute of Neurological Disorders and Stroke	Yes	Yes
National Institute of Nursing Research	Yes	Yes
National Institute on Aging	Yes	Yes
National Institute on Alcohol Abuse and Alcoholism	Yes	No
National Institute on Deafness and Other Communication Disorders	Yes	Yes
National Institute on Drug Abuse	Yes	Yes
National Institute on Minority Health and Health Disparities	Yes	Yes
National Library of Medicine	Yes	No
Department of Homeland Security	No	-
Coast Guard	No	-
Acquisition Directorate	No	-
Acquisition Directorate, Research and Development Center	Yes	Yes
Science and Technology Directorate	No	-
Office of National Laboratories	No	-
Chemical Security Analysis Center	Yes	Yes
National Urban Security Technology Laboratory	Yes	Yes
Plum Island Animal Disease Center	Yes	Yes
Transportation Security Laboratory	Yes	Yes
Department of the Interior	No	-
Bureau of Land Management	Yes	Yes
Bureau of Reclamation	Yes	Yes
Fish and Wildlife Service	Yes	Yes
Geological Survey	No	-
Core Science Systems Mission Area	Yes	Yes
Ecosystems Mission Area	Yes	Yes
Energy and Minerals Mission Area	Yes	Yes
Natural Hazards Mission Area	Yes	Yes
Water Resources Mission Area	Yes	Yes

Table A-1. List of agencies, reporting units, underlying facilities for those reporting units, and survey response status: FY 2024

(Text)

Agency or facility	Reporting unit	Responded to survey
National Park Service	Yes	Yes
Department of Transportation	No	-
Federal Aviation Administration	No	-
Office of Aerospace Medicine	Yes	No
Civil Aerospace Medical Institute	No	-
Office of NextGen	Yes	No
William J. Hughes Technical Center	No	-
Federal Highway Administration	No	-
Intelligence Transportation Systems Joint Program Office	Yes	Yes
Office of Administrations	Yes	Yes
Office of Operations	Yes	Yes
Office of Planning	Yes	Yes
Office of Research, Development, and Technology	Yes	Yes
Turner-Fairbank Highway Research Center	No	-
National Highway Traffic Safety Administration	No	-
Office of Vehicle Safety Research	No	-
Vehicle Research and Test Center	Yes	Yes
Office of the Secretary for Research and Technology	No	-
John A. Volpe National Transportation Systems Center	Yes	No
Department of Veterans Affairs	No	-
Office of Research and Development Central Office	Yes	Yes
Veterans Integrated Services Network (VISN) 1: New England Health Care System	No	-
Bedford Health Care System	Yes	Yes
Boston Health Care System, Jamaica Plain Campus	Yes	Yes
Central Western Massachusetts Health Care	Yes	Yes
Connecticut Health Care System, West Haven Medical Center	Yes	Yes
Manchester Medical Center	Yes	Yes
Providence Medical Center	Yes	Yes
Togus Maine Health Care System	Yes	Yes
White River Junction Medical Center	Yes	Yes
VISN 2: New York/ New Jersey Veterans Health Care Network	No	-
Bronx Health Care, James J. Peters Medical Center	Yes	Yes
New Jersey Health Care	Yes	Yes
New York Harbor Health Care	Yes	Yes
Northport Medical Center	Yes	Yes
Western New York Health Care, Buffalo Medical Center	Yes	Yes
VISN 4: Health Care	No	-
Coatesville Medical Center	Yes	Yes
Philadelphia Health Care, Corporal Michael J. Crescenz Medical Center	Yes	Yes
Pittsburgh Medical Center-University Drive	Yes	Yes
VISN 5: Capitol Health Care Network	No	-
Huntington Health Care, Hershel (Woody) Williams Medical Center	Yes	Yes
Maryland Health Care, Baltimore Medical Center	Yes	Yes
Washington DC Health Care, Washington Medical Center	Yes	Yes
VISN 6: Mid-Atlantic Health Care Network	No	-
Asheville Health Care, Charles George Medical Center	Yes	Yes
Durham Medical Center	Yes	Yes
Hampton Medical Center	Yes	Yes
Richmond Health Care, Hunter Holmes McGuire Hospital	Yes	Yes
Salem Medical Center	Yes	Yes
Salisbury Health Care, W.G. (Bill) Hefner Salisbury Medical Center	Yes	Yes
VISN 7: Southeast Network	No	-
Atlanta Medical Center	Yes	Yes

Table A-1. List of agencies, reporting units, underlying facilities for those reporting units, and survey response status: FY 2024

(Text)

Agency or facility	Reporting unit	Responded to survey
Augusta Health Care, Charlie Norwood Medical Center	Yes	Yes
Birmingham Medical Center	Yes	Yes
Charleston Health Care, Ralph H. Johnson Medical Center	Yes	Yes
Columbia South Carolina Health Care, William Jennings Bryan Dorn Medical Center	Yes	Yes
Tuscaloosa Medical Center	Yes	Yes
VISN 8: Sunshine Health Care Network	No	-
Bay Pines Health Care System	Yes	Yes
Caribbean Health Care System	Yes	Yes
Miami Health Care System	Yes	Yes
North Florida/ South Georgia Health Care System	Yes	Yes
Orlando Medical Center	Yes	Yes
Tampa Health Care, James A. Haley Veterans' Hospital	Yes	Yes
VISN 9: MidSouth Health Care Network	No	-
Lexington Medical Center (Troy Bowling Campus)	Yes	Yes
Louisville Health Care, Robley Rex Medical Center	Yes	Yes
Memphis Medical Center	Yes	Yes
Mountain Home Health Care, James H. Quillen Medical Center	Yes	Yes
Tennessee Valley Health Care, Nashville Medical Center	Yes	Yes
VISN 10: Health Care System	No	-
Ann Arbor Health Care System	Yes	Yes
Battle Creek Medical Center	Yes	Yes
Cincinnati Medical Center	Yes	Yes
Dayton Medical Center	Yes	Yes
Detroit Health Care, John D. Dingell Medical Center	Yes	Yes
Indiana Health Care, Richard L. Roudebush Medical Center	Yes	Yes
Northeast Ohio Health Care, Louis Stokes Cleveland Medical Center	Yes	Yes
VISN 12: Great Lakes Health Care System	No	-
Chicago Health Care, Jesse Brown Medical Center	Yes	Yes
Hines Health Care, Edward Hines Junior Hospital	Yes	Yes
Madison Health Care, William S. Middleton Memorial Veterans' Hospital	Yes	Yes
Milwaukee Health Care, Clement J. Zablocki Medical Center	Yes	Yes
VISN 15: Heartland Health Care Network	No	-
Kansas City Medical Center	Yes	Yes
St. Louis Health Care, John J. Cochran Veterans Hospital	Yes	Yes
VISN 16: South Central Health Care Network	No	-
Central Arkansas Health Care, Eugene J. Towbin Health Care Center	Yes	Yes
Houston Health Care, Michael E. DeBakey Medical Center	Yes	Yes
Jackson Health Care, G.V. (Sonny) Montgomery Medical Center	Yes	Yes
Shreveport Health Care, Overton Brooks Medical Center	Yes	Yes
Southeast Louisiana Health Care System	Yes	Yes
VISN 17: Heart of Texas Health Care Network	No	-
Central Texas Health Care	Yes	Yes
North Texas, Dallas Medical Center	Yes	Yes
South Texas Health Care	Yes	Yes
VISN 19: Rocky Mountain Network	No	-
Eastern Colorado, Rocky Mountain Regional Medical Center	Yes	Yes
Eastern Oklahoma, Jack C. Montgomery Medical Center	Yes	Yes
Oklahoma City Medical Center	Yes	Yes
Salt Lake City Health Care	Yes	Yes
VISN 20: Northwest Network	No	-
Boise Medical Center	Yes	Yes
Portland Health Care System	Yes	Yes
Puget Sound Health Care, Seattle Medical Center	Yes	Yes

Table A-1. List of agencies, reporting units, underlying facilities for those reporting units, and survey response status: FY 2024

(Text)

Agency or facility	Reporting unit	Responded to survey
VISN 21: Sierra Pacific Network	No	-
Central California Health Care System	Yes	Yes
Northern California Health Care System	Yes	Yes
Pacific Islands Health Care System	Yes	Yes
Palo Alto Health Care System	Yes	Yes
San Francisco Health Care System	Yes	Yes
Sierra Nevada Health Care System	Yes	Yes
Southern Nevada Health Care System	Yes	Yes
VISN 22: Desert Pacific Health Care Network	No	-
Greater Los Angeles, West Los Angeles Medical Center	Yes	Yes
Loma Linda Health Care System	Yes	Yes
Long Beach Health Care System	Yes	Yes
New Mexico Health Care System	Yes	Yes
Phoenix Health Care System	Yes	Yes
San Diego Health Care System	Yes	Yes
Southern Arizona Health Care System	Yes	Yes
VISN 23: Midwest Health Care Network	No	-
Fargo Health Care System	Yes	Yes
Minneapolis Health Care System	Yes	Yes
Nebraska-Western Iowa Health Care System	Yes	Yes
Sioux Falls Health Care System	Yes	Yes
St. Cloud Health Care	Yes	Yes
Other agencies	No	-
Environmental Protection Agency	No	-
Office of Research and Development	No	-
Center for Computational Toxicology and Exposure	Yes	Yes
Center for Environmental Measurement and Modeling	Yes	Yes
Center for Environmental Solutions and Emergency Response	Yes	Yes
Center for Public Health and Environmental Assessment	Yes	Yes
Office of Science Advisor, Policy, and Engagement	Yes	Yes
Federal Trade Commission	Yes	Yes
Library of Congress	Yes	No
Digital Services Directorate	No	-
Preservation Directorate	No	-
National Aeronautics and Space Administration	No	-
Ames Research Center	Yes	Yes
Armstrong (Dryden) Flight Research Center	Yes	Yes
Glenn Research Center	Yes	Yes
Goddard Space Flight Center	Yes	Yes
Johnson Space Center	Yes	Yes
Kennedy Space Center	Yes	Yes
Langley Research Center	Yes	Yes
Marshall Space Flight Center	Yes	Yes
NASA Headquarters	Yes	Yes
Stennis Space Center	Yes	Yes
Smithsonian Institution	No	-
Office of Academic, Interns, and Fellowship	Yes	Yes
Under Secretary for Finance and Administration	No	-
Information Technology	Yes	Yes
Under Secretary for Museums and Culture	No	-
Asian Pacific American Center	Yes	Yes
National Museum of African American History	Yes	Yes
National Museum of Asian Art	Yes	Yes

Table A-1. List of agencies, reporting units, underlying facilities for those reporting units, and survey response status: FY 2024

(Text)

Agency or facility	Reporting unit	Responded to survey
National Museum of African Art	Yes	Yes
National Museum of American History	Yes	Yes
National Museum of American Indian	Yes	Yes
National Museum of American Latino	Yes	Yes
National Portrait Gallery	Yes	Yes
National Postal Museum	Yes	Yes
Smithsonian American Art Museum	Yes	Yes
Smithsonian American Women's History Museum	Yes	Yes
Under Secretary for Science and Research	No	-
Museum Conservation Institute	Yes	Yes
National Air and Space Museum	Yes	Yes
National Museum of Natural History	Yes	Yes
National Zoological Park/ Smithsonian Conservation Biology Institute	Yes	Yes
Office of Global Affairs	Yes	Yes
Smithsonian Astrophysical Observatory	Yes	Yes
Smithsonian Environmental Research Center	Yes	Yes
Smithsonian Libraries and Archives	Yes	Yes
Smithsonian Tropical Research Institute	Yes	Yes

[a] The FY 2024 response for the Center for Veterinary Biologics is included with the National Veterinary Services Laboratories, but both facilities are listed separately in this table.

Source(s):
National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey, FY 2024.

Table A-2. Survey unit response: FY 2024

(Number)

Agency	Response rate (percent)	Total reporting units	Facility eligibility[a]			
			Eligible respondent	Eligible nonrespondent	Unknown eligibility	Not eligible
All agencies	95.7	322	287	13	0	22
DOD agencies	91.5	52	43	4	0	5
Non-DOD agencies	96.4	270	244	9	0	17

DOD = Department of Defense.

[a] Facility eligibility is based upon whether a federal facility has R&D expenditures. Facilities determined to have R&D expenditures are eligible. Facilities where R&D expenditures are not determined have unknown eligibility. Facilities determined to have no R&D expenditures are not eligible.

Source(s):
National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey, FY 2024.

Table A-3. Survey question item response rates: FY 2024

(Percent)

Question	Response rate		
	All agencies	DOD agencies	Non-DOD agencies
Question 1	98.3	100.0	98.0
Question 2	100.0	100.0	100.0
Question 3	98.3	100.0	98.0
Question 4	100.0	100.0	100.0
Question 5	100.0	100.0	100.0
Question 6	99.7	100.0	99.6
Question 7	94.8	100.0	93.9
Question 8	100.0	100.0	100.0
Question 9	84.3	97.7	82.0
Question 10	82.9	93.0	81.1

DOD = Department of Defense.

Source(s):
National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey, FY 2024.

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