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

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(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)

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	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

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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.