

TABLE 1

Federal facility R&D expenditures, by type of R&D: FY 2022

(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	34,497,051	4,749,151	9,569,899	20,178,001	34,067,764	4,710,280	9,376,171	19,981,312	429,287	38,870	193,728	196,688
Department of Agriculture	1,685,343	712,151	782,628	190,564	1,661,254	707,051	766,601	187,602	24,089	5,101	16,027	2,962
Agricultural Research Service	1,237,476	618,738	494,990	123,748	1,237,476	618,738	494,990	123,748	0	0	0	0
Midwest Area	165,788	82,894	66,315	16,579	165,788	82,894	66,315	16,579	0	0	0	0
Northeast Area	261,199	130,600	104,480	26,120	261,199	130,600	104,480	26,120	0	0	0	0
Pacific West Area	208,801	104,400	83,520	20,880	208,801	104,400	83,520	20,880	0	0	0	0
Plains Area	314,563	157,282	125,825	31,456	314,563	157,282	125,825	31,456	0	0	0	0
Southeast Area	287,125	143,563	114,850	28,713	287,125	143,563	114,850	28,713	0	0	0	0
Animal and Plant Health Inspection Service	48,982	4,138	33,070	11,774	36,005	2,516	23,337	10,152	12,977	1,622	9,732	1,622
Forest Pest Methods Laboratory	6,618	0	6,618	0	6,618	0	6,618	0	0	0	0	0
Insect Management and Molecular Diagnostics Laboratory	1,358	0	847	511	1,358	0	847	511	0	0	0	0
National Veterinary Services Laboratories/ Center for Veterinary Biologics	5,790	0	579	5,211	5,790	0	579	5,211	0	0	0	0
National Wildlife Research Center	33,101	4,138	24,826	4,138	20,125	2,516	15,093	2,516	12,977	1,622	9,732	1,622
Plant Pathogen Confirmatory Diagnostics Laboratory	1,665	0	0	1,665	1,665	0	0	1,665	0	0	0	0
Treatment and Inspection Methods Laboratory	450	0	200	250	450	0	200	250	0	0	0	0
Economic Research Service	78,038	0	78,038	0	78,038	0	78,038	0	0	0	0	0
Forest Service	299,844	88,756	160,621	50,467	288,731	85,277	154,327	49,127	11,113	3,479	6,294	1,339
Forest Products Laboratory	19,275	4,753	14,258	264	18,057	4,452	13,357	247	1,218	300	901	17
International Institute of Tropical Forestry	7,856	2,357	3,142	2,357	7,798	2,339	3,119	2,339	58	18	23	18
Northern Research Station	53,497	21,277	31,612	608	49,840	19,823	29,451	566	3,657	1,455	2,161	42
Pacific Northwest Research Station	52,212	14,032	28,826	9,355	48,895	13,141	26,994	8,760	3,318	892	1,832	594
Pacific Southwest Research Station	22,703	6,425	10,521	5,756	20,813	5,890	9,646	5,277	1,890	535	876	479
Rocky Mountain Research Station	76,579	21,284	39,416	15,879	75,739	21,051	38,983	15,705	841	234	433	174
Southern Research Station	50,301	17,756	26,458	6,086	50,170	17,710	26,389	6,071	132	46	69	16
Washington Office Research and Development	17,420	871	6,387	10,162	17,420	871	6,387	10,162	0	0	0	0
National Agricultural Statistics Service	10,226	0	5,651	4,575	10,226	0	5,651	4,575	0	0	0	0
Natural Resources Conservation Service	10,777	520	10,258	0	10,777	520	10,258	0	0	0	0	0
Plant Materials Center	10,258	0	10,258	0	10,258	0	10,258	0	0	0	0	0
Soil Science Research Branch	520	520	0	0	520	520	0	0	0	0	0	0
Department of Commerce	1,373,618	236,032	979,281	158,306	1,372,285	236,032	978,184	158,069	1,334	0	1,097	236
Census Bureau	156,946	0	115,793	41,153	155,612	0	114,696	40,917	1,334	0	1,097	236
National Institute of Standards and Technology	660,622	236,032	417,587	7,003	660,622	236,032	417,587	7,003	0	0	0	0
National Oceanic and Atmospheric Administration	548,741	0	438,592	110,149	548,741	0	438,592	110,149	0	0	0	0
Mission Support	21,517	0	19,279	2,237	21,517	0	19,279	2,237	0	0	0	0

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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
Office of the Chief Administrative Officer	21,504	0	19,267	2,237	21,504	0	19,267	2,237	0	0	0	0
Office of the Chief Information Officer	13	0	12	1	13	0	12	1	0	0	0	0
National Environmental Satellite, Data, and Information Service	33,185	0	30,544	2,641	33,185	0	30,544	2,641	0	0	0	0
Center for Satellite Applications and Research	27,813	0	26,471	1,342	27,813	0	26,471	1,342	0	0	0	0
National Centers for Environmental Information	5,372	0	4,073	1,299	5,372	0	4,073	1,299	0	0	0	0
National Marine Fisheries Service	65,086	0	48,664	16,422	65,086	0	48,664	16,422	0	0	0	0
Alaska Fisheries Science Center	10,842	0	8,371	2,470	10,842	0	8,371	2,470	0	0	0	0
Alaska Regional Office	3,500	0	3,324	175	3,500	0	3,324	175	0	0	0	0
Greater Atlantic Region Fisheries Office	2,467	0	1,788	679	2,467	0	1,788	679	0	0	0	0
Northeast Fisheries Science Center	6,421	0	4,235	2,186	6,421	0	4,235	2,186	0	0	0	0
Northwest Fisheries Science Center	5,252	0	3,871	1,381	5,252	0	3,871	1,381	0	0	0	0
Office of Habitat Conservation	1,993	0	1,993	0	1,993	0	1,993	0	0	0	0	0
Office of Protected Resources	767	0	625	142	767	0	625	142	0	0	0	0
Office of Science and Technology	3,037	0	2,178	859	3,037	0	2,178	859	0	0	0	0
Office of Sustainable Fisheries	858	0	434	424	858	0	434	424	0	0	0	0
Pacific Island Fisheries Science Center	4,380	0	3,040	1,340	4,380	0	3,040	1,340	0	0	0	0
Pacific Islands Regional Office	1,978	0	1,554	425	1,978	0	1,554	425	0	0	0	0
Southeast Fisheries Science Center	8,142	0	4,888	3,254	8,142	0	4,888	3,254	0	0	0	0
Southeast Regional Office	3,597	0	2,425	1,171	3,597	0	2,425	1,171	0	0	0	0
Southwest Fisheries Science Center	5,811	0	4,194	1,617	5,811	0	4,194	1,617	0	0	0	0
West Coast Region	6,042	0	5,744	297	6,042	0	5,744	297	0	0	0	0
National Ocean Service	46,567	0	36,751	9,815	46,567	0	36,751	9,815	0	0	0	0
Center for Operational Oceanographic Products and Services	1,392	0	66	1,326	1,392	0	66	1,326	0	0	0	0
Integrated Ocean Observing System	1,968	0	1,609	359	1,968	0	1,609	359	0	0	0	0
National Centers for Coastal Ocean Science	27,813	0	26,471	1,342	27,813	0	26,471	1,342	0	0	0	0
National Geodetic Survey	7,123	0	3,191	3,932	7,123	0	3,191	3,932	0	0	0	0
Office for Coastal Management	143	0	141	2	143	0	141	2	0	0	0	0
Office of Response and Restoration	1,213	0	708	504	1,213	0	708	504	0	0	0	0
Office of the Coast Survey	6,914	0	4,566	2,349	6,914	0	4,566	2,349	0	0	0	0
National Weather Service	20,210	0	3,813	16,397	20,210	0	3,813	16,397	0	0	0	0
National Centers for Environmental Prediction	11,695	0	3,163	8,532	11,695	0	3,163	8,532	0	0	0	0
Office of Science and Technology Integration	2,258	0	650	1,608	2,258	0	650	1,608	0	0	0	0
Office of Water Prediction	6,257	0	0	6,257	6,257	0	0	6,257	0	0	0	0
Oceanic and Atmospheric Research	336,599	0	274,383	62,216	336,599	0	274,383	62,216	0	0	0	0

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Air Resources Laboratory	8,013	0	6,097	1,917	8,013	0	6,097	1,917	0	0	0	0
Atlantic Oceanographic and Meteorological Laboratory	25,169	0	18,700	6,469	25,169	0	18,700	6,469	0	0	0	0
Chemical Sciences Laboratory	21,670	0	19,794	1,876	21,670	0	19,794	1,876	0	0	0	0
Climate Program Office	36,844	0	25,262	11,582	36,844	0	25,262	11,582	0	0	0	0
Earth System Research Laboratories	2,995	0	2,127	868	2,995	0	2,127	868	0	0	0	0
Geophysical Fluid Dynamics Laboratory	26,840	0	24,860	1,981	26,840	0	24,860	1,981	0	0	0	0
Global Monitoring Laboratory	18,811	0	16,919	1,892	18,811	0	16,919	1,892	0	0	0	0
Global Ocean Monitoring and Observing Program	16,745	0	10,206	6,539	16,745	0	10,206	6,539	0	0	0	0
Global Systems Laboratory	15,959	0	8,796	7,163	15,959	0	8,796	7,163	0	0	0	0
Great Lakes Environmental Research Laboratory	12,660	0	12,568	92	12,660	0	12,568	92	0	0	0	0
National Sea Grant College Program	21,562	0	20,810	752	21,562	0	20,810	752	0	0	0	0
National Severe Storms Laboratory	26,747	0	20,769	5,978	26,747	0	20,769	5,978	0	0	0	0
Ocean Acidification Program	1,475	0	1,471	4	1,475	0	1,471	4	0	0	0	0
Office of Ocean Exploration and Research	24,242	0	23,401	841	24,242	0	23,401	841	0	0	0	0
Office of Research Transition and Application	7,988	0	6,616	1,372	7,988	0	6,616	1,372	0	0	0	0
Pacific Marine Environment Laboratory	26,030	0	21,173	4,858	26,030	0	21,173	4,858	0	0	0	0
Physical Sciences Laboratory	19,840	0	16,962	2,877	19,840	0	16,962	2,877	0	0	0	0
Weather Program Office	23,007	0	17,852	5,156	23,007	0	17,852	5,156	0	0	0	0
Office of Marine and Aviation Operations	25,577	0	25,156	420	25,577	0	25,156	420	0	0	0	0
Marine and Aviation Operations Center	5,424	0	5,004	420	5,424	0	5,004	420	0	0	0	0
National Oceanic and Atmospheric Administration	20,152	0	20,152	0	20,152	0	20,152	0	0	0	0	0
National Telecommunications and Information Administration	7,310	i	7,310	0	7,310	i	7,310	0	0	0	0	0
Institute for Telecommunication Sciences	7,310	i	7,310	0	7,310	i	7,310	0	0	0	0	0
Department of Defense	20,864,136	763,485	2,784,669	17,315,982	20,680,994	763,377	2,757,171	17,160,446	183,142	107	27,498	155,537
Defense Information Systems Agency	64,816	0	0	64,816	63,366	0	0	63,366	1,450	0	0	1,450
Department of the Air Force	6,364,822	i	1,225,972	4,968,390	6,364,822	i	1,225,972	4,968,390	0	0	0	0
Materiel Command	6,364,822	i	1,225,972	4,968,390	6,364,822	i	1,225,972	4,968,390	0	0	0	0
Air Force Civil Engineer Center	27,922	i	0	27,922	27,922	i	0	27,922	0	0	0	0
Air Force Life Cycle Management Center	2,560,962	i	0	2,560,962	2,560,962	i	0	2,560,962	0	0	0	0
Air Force Nuclear Weapons Center	511,311	i	0	511,311	511,311	i	0	511,311	0	0	0	0
Air Force Research Laboratory	2,670,981	i	1,225,972	1,274,549	2,670,981	i	1,225,972	1,274,549	0	0	0	0
Air Force Test Center	593,645	i	0	593,645	593,645	i	0	593,645	0	0	0	0
Department of the Army	5,816,747	273,149	997,694	4,545,904	5,765,621	273,149	971,580	4,520,892	51,126	0	26,114	25,012
Army Cyber Command	455,350	i	21,383	78,102	455,350	i	21,383	78,102	0	0	0	0

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Army Engineer Research and Development Center	725,537	20,058	103,211	602,268	718,545	20,058	102,184	596,303	6,992	0	1,027	5,965
Army Medical Research and Development Command	472,520	27,494	207,055	237,970	458,435	27,494	193,037	237,905	14,085	0	14,019	66
Army Research Institute for the Behavioral and Social Sciences	455,350	21,383	78,102	355,865	455,350	21,383	78,102	355,865	0	0	0	0
Combat Capabilities Development Command (DEVCOM)	3,630,576	182,018	515,149	2,933,410	3,630,552	182,018	515,131	2,933,404	24	0	18	6
Armaments Center	708,689	3,221	101,516	603,953	708,672	3,221	101,498	603,953	18	0	18	0
Army Research Laboratory	251,882	61,449	88,896	101,536	251,882	61,449	88,896	101,536	0	0	0	0
Aviation and Missile Center	1,920,096	17,042	199,335	1,703,719	1,920,090	17,042	199,335	1,703,713	6	0	0	6
Chemical Biological Center	102,085	3,725	12,025	86,335	102,085	3,725	12,025	86,335	0	0	0	0
Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance Center	214,162	2,100	35,802	176,260	214,162	2,100	35,802	176,260	0	0	0	0
Data and Analysis Center	10,018	0	7,378	2,640	10,018	0	7,378	2,640	0	0	0	0
DEVCOM Headquarters	88,100	16,834	1,131	70,135	88,100	16,834	1,131	70,135	0	0	0	0
Ground Vehicle Systems Center	236,569	75,106	31,837	129,626	236,569	75,106	31,837	129,626	0	0	0	0
Soldier Center	98,974	2,541	37,228	59,206	98,974	2,541	37,228	59,206	0	0	0	0
Space and Missile Defense Command	77,414	814	16,075	60,525	47,388	814	5,024	41,550	30,026	0	11,051	18,975
Department of the Navy	5,783,576	236,690	561,003	4,985,883	5,662,867	236,583	559,619	4,866,665	120,709	107	1,384	119,218
Bureau of Medicine and Surgery	129,796	18,897	68,364	42,535	128,050	18,790	66,981	42,279	1,746	107	1,384	255
Naval Medical Research Command ^a	129,796	18,897	68,364	42,535	128,050	18,790	66,981	42,279	1,746	107	1,384	255
Naval Health Research Center	26,826	5,538	17,484	3,804	26,530	5,538	17,188	3,804	296	0	296	0
Naval Medical Research Unit - Dayton	22,122	1,759	3,097	17,266	22,122	1,759	3,097	17,266	0	0	0	0
Naval Medical Research Unit - INDO PACIFIC	1,314	0	0	1,314	1,314	0	0	1,314	0	0	0	0
Naval Medical Research Unit - San Antonio	11,803	1,903	2,416	7,484	11,764	1,864	2,416	7,484	39	39	0	0
Naval Medical Research Unit - South	9,466	5,847	2,015	1,604	8,310	5,778	928	1,604	1,156	68	1,088	0
Naval Submarine Medical Research Laboratory	8,990	525	4,384	4,080	8,990	525	4,384	4,080	0	0	0	0
Marine Corps	287,952	11,784	27,931	248,237	287,952	11,784	27,931	248,237	0	0	0	0
Naval Air Warfare Center Aircraft Division	857,385	1,538	4,558	851,288	738,422	1,538	4,558	732,326	118,963	0	0	118,963
Naval Air Warfare Center Weapon Division	777,721	3,719	22,073	751,928	777,721	3,719	22,073	751,928	0	0	0	0
Naval Facilities Engineering and Expeditionary Warfare Center	57,092	611	948	55,534	57,092	611	948	55,534	0	0	0	0
Naval Information Warfare Systems Command	565,094	10,824	49,168	505,102	565,094	10,824	49,168	505,102	0	0	0	0
Naval Information Warfare Center Atlantic	145,315	2,044	12,510	130,761	145,315	2,044	12,510	130,761	0	0	0	0
Naval Information Warfare Center Pacific	419,779	8,780	36,658	374,341	419,779	8,780	36,658	374,341	0	0	0	0
Naval Observatory	29,941	1,225	2,904	25,811	29,941	1,225	2,904	25,811	0	0	0	0
Naval Oceanographic Office	29,941	1,225	2,904	25,811	29,941	1,225	2,904	25,811	0	0	0	0
Naval Sea Systems Command Warfare Centers	2,180,415	20,580	138,245	2,021,590	2,180,415	20,580	138,245	2,021,590	0	0	0	0

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Naval Surface Warfare Center	1,842,591	17,143	106,587	1,718,861	1,842,591	17,143	106,587	1,718,861	0	0	0	0
Naval Undersea Warfare Center	337,824	3,437	31,658	302,729	337,824	3,437	31,658	302,729	0	0	0	0
Office of Naval Research	868,240	166,286	243,907	458,047	868,240	166,286	243,907	458,047	0	0	0	0
Naval Research Laboratory	868,240	166,286	243,907	458,047	868,240	166,286	243,907	458,047	0	0	0	0
Missile Defense Agency	420,524	0	0	420,524	420,524	0	0	420,524	0	0	0	0
Space Force	2,413,651	83,186	0	2,330,466	2,403,794	83,186	0	2,320,608	9,857	0	0	9,857
Advanced Extremely High Frequency Military Satellite Communications (MILSATCOM) Space Modernization Initiative	27,003	0	0	27,003	27,003	0	0	27,003	0	0	0	0
Commercial Satellite Communications (SATCOM)	20,205	0	0	20,205	20,205	0	0	20,205	0	0	0	0
Counter Communications System	5,895	0	0	5,895	5,895	0	0	5,895	0	0	0	0
Electro-Optical/ Infrared Weather Systems	1,862	0	0	1,862	1,862	0	0	1,862	0	0	0	0
Evolved Strategic SATCOM	108,519	0	0	108,519	108,519	0	0	108,519	0	0	0	0
Global Positioning Systems III Follow-on	138,971	0	0	138,971	138,971	0	0	138,971	0	0	0	0
Ground Based Optical Sensor System	45,388	0	0	45,388	45,388	0	0	45,388	0	0	0	0
Joint Execution and Tasking System for Space	2,087	0	0	2,087	2,087	0	0	2,087	0	0	0	0
National Security Space Launch	91,491	0	0	91,491	91,491	0	0	91,491	0	0	0	0
NAVSTAR Global Positioning System (User Equipment)	290,005	0	0	290,005	290,005	0	0	290,005	0	0	0	0
Next-Generation Overhead Persistent Infrared Block 0 Geosynchronous	334,688	0	0	334,688	334,688	0	0	334,688	0	0	0	0
Next-Generation Overhead Persistent Infrared Block 0 Polar	343,144	0	0	343,144	343,144	0	0	343,144	0	0	0	0
Next-Generation Overhead Persistent Infrared Ground (aka Future Operationally Resilient Ground Evolution)	311,140	0	0	311,140	311,140	0	0	311,140	0	0	0	0
Next-Generation Overhead Persistent Infrared Integration	23,796	0	0	23,796	23,796	0	0	23,796	0	0	0	0
Next-Generation Overhead Persistent Infrared Space Mod Initiative	56,529	0	0	56,529	56,529	0	0	56,529	0	0	0	0
Polar MILSATCOM Enhanced Polar System Recapitalization	50,402	0	0	50,402	50,402	0	0	50,402	0	0	0	0
Protected Tactical Enterprise Service	51,780	0	0	51,780	51,780	0	0	51,780	0	0	0	0
Protected Tactical Service	185,948	0	0	185,948	185,948	0	0	185,948	0	0	0	0
Rocket System Launch Program	21,481	0	0	21,481	21,481	0	0	21,481	0	0	0	0
Space Control Technology	31,361	0	0	31,361	31,361	0	0	31,361	0	0	0	0
Space Rapid Capabilities Office	83,186	83,186	0	0	83,186	83,186	0	0	0	0	0	0
Space Situation Awareness Systems	100,674	0	0	100,674	100,674	0	0	100,674	0	0	0	0
Space Situational Awareness Environmental Monitoring	364	0	0	364	364	0	0	364	0	0	0	0
Space Systems Prototype Transitions Assault Breaker II	49,909	0	0	49,909	49,909	0	0	49,909	0	0	0	0
Space Test and Training Range Development	742	0	0	742	742	0	0	742	0	0	0	0
Space Test Program	24,717	0	0	24,717	14,860	0	0	14,860	9,857	0	0	9,857

TABLE 1

Federal facility R&D expenditures, by type of R&D: FY 2022

(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
Weather System Follow-On	12,364	0	0	12,364	12,364	0	0	12,364	0	0	0	0
Department of Energy	100,005	4,975	85,004	10,026	99,508	4,975	84,582	9,951	497	0	422	75
National Energy Technology Laboratory	100,005	4,975	85,004	10,026	99,508	4,975	84,582	9,951	497	0	422	75
Department of Health and Human Services	3,359,936	1,280,379	1,831,264	248,292	3,321,851	1,266,372	1,817,533	237,946	38,085	14,007	13,731	10,346
Centers for Disease Control and Prevention	145,593	26,256	111,189	8,148	145,152	25,932	111,159	8,060	441	323	30	88
National Center for Emerging and Zoonotic Infectious Diseases	3,094	233	2,613	248	3,094	233	2,613	248	0	0	0	0
National Center for HIV, Viral Hepatitis, STD, and Tuberculosis Prevention	28,238	444	27,794	0	28,238	444	27,794	0	0	0	0	0
National Center for Immunization and Respiratory Diseases	44,783	0	41,657	3,126	44,783	0	41,657	3,126	0	0	0	0
National Center on Birth Defects and Developmental Disabilities	243	243	0	0	0	0	0	0	243	243	0	0
National Institute for Occupational Safety and Health	69,235	25,335	39,125	4,774	69,037	25,255	39,096	4,687	198	80	30	88
Food and Drug Administration	458,410	0	434,645	23,765	458,397	0	434,632	23,765	13	0	13	0
Center for Biologics Evaluation and Research	66,565	0	66,565	0	66,565	0	66,565	0	0	0	0	0
Center for Devices and Radiological Health	7,913	0	7,913	0	7,900	0	7,900	0	13	0	13	0
Center for Drug Evaluation and Research	73,608	0	73,608	0	73,608	0	73,608	0	0	0	0	0
Center for Food Safety and Applied Nutrition	95,059	0	71,294	23,765	95,059	0	71,294	23,765	0	0	0	0
Center for Tobacco Products	93,521	0	93,521	0	93,521	0	93,521	0	0	0	0	0
Center for Veterinary Medicine	20,184	0	20,184	0	20,184	0	20,184	0	0	0	0	0
National Center for Toxicological Research	88,645	0	88,645	0	88,645	0	88,645	0	0	0	0	0
Office of Regulatory Affairs	3,000	0	3,000	0	3,000	0	3,000	0	0	0	0	0
Oncology Center of Excellence	9,915	0	9,915	0	9,915	0	9,915	0	0	0	0	0
National Institutes of Health	2,755,933	1,254,123	1,285,430	216,379	2,718,302	1,240,440	1,271,741	206,121	37,631	13,684	13,689	10,258
Clinical Center	618,605	0	618,605	0	617,933	0	617,933	0	672	0	672	0
Eunice Kennedy Shriver National Institute of Child Health and Human Development	221,061	89,354	131,706	0	219,874	88,874	130,999	0	1,187	480	707	0
National Cancer Institute	104,607	68,300	5,605	30,702	103,604	68,300	4,602	30,702	1,003	0	1,003	0
National Center for Advancing Translational Sciences	150,884	0	150,884	0	149,644	0	149,644	0	1,241	0	1,241	0
National Center for Complementary and Integrative Health	15,500	4,727	10,773	0	15,440	4,667	10,773	0	60	60	0	0
National Eye Institute	105,189	104,291	0	898	99,753	99,753	0	0	5,435	4,537	0	898
National Heart, Lung, and Blood Institute	173,071	173,071	0	0	173,071	173,071	0	0	0	0	0	0
National Human Genome Research Institute	133,478	93,435	40,043	0	130,460	91,322	39,138	0	3,018	2,113	906	0
National Institute of Allergy and Infectious Diseases	425,092	189,271	117,032	118,789	403,809	185,832	108,451	109,526	21,283	3,439	8,581	9,263
National Institute of Arthritis and Musculoskeletal and Skin Diseases	57,611	1,070	56,541	0	57,611	1,070	56,541	0	0	0	0	0
National Institute of Biomedical Imaging and Bioengineering	5,900	0	3,200	2,700	5,900	0	3,200	2,700	0	0	0	0
National Institute of Dental and Craniofacial Research	70,666	40,893	29,773	0	70,666	40,893	29,773	0	0	0	0	0
National Institute of Diabetes and Digestive and Kidney Diseases	142,684	111,941	26,363	4,380	142,133	111,459	26,320	4,354	551	482	43	26

TABLE 1

Federal facility R&D expenditures, by type of R&D: FY 2022

(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 of Environmental Health Sciences	124,012	92,719	31,294	0	123,813	92,519	31,294	0	199	199	0	0
National Institute of Mental Health	1,128	0	0	1,128	1,128	0	0	1,128	0	0	0	0
National Institute of Neurological Disorders and Stroke	217,704	135,557	30,050	52,097	215,738	134,020	29,620	52,097	1,966	1,536	430	0
National Institute of Nursing Research	3,923	58	3,771	94	3,923	58	3,771	94	0	0	0	0
National Institute on Aging	4,299	0	4,299	0	4,299	0	4,299	0	0	0	0	0
National Institute on Alcohol Abuse and Alcoholism	48,509	34,981	13,528	0	48,384	34,856	13,528	0	125	125	0	0
National Institute on Deafness and Other Communication Disorders	29,974	19,826	6,570	3,579	29,701	19,731	6,462	3,507	273	94	107	71
National Institute on Drug Abuse	66,351	66,351	0	0	65,733	65,733	0	0	618	618	0	0
National Institute on Minority Health and Health Disparities	9,919	2,764	5,393	1,762	9,919	2,764	5,393	1,762	0	0	0	0
National Library of Medicine	25,766	25,516	0	250	25,766	25,516	0	250	0	0	0	0
Department of Homeland Security	39,016	20,300	8,216	10,500	39,016	20,300	8,216	10,500	0	0	0	0
Coast Guard	17,500	0	7,000	10,500	17,500	0	7,000	10,500	0	0	0	0
Acquisition Directorate, Research and Development Center	17,500	0	7,000	10,500	17,500	0	7,000	10,500	0	0	0	0
Cybersecurity and Infrastructure Security Agency	1,216	0	1,216	0	1,216	0	1,216	0	0	0	0	0
Science and Technology Directorate	20,300	20,300	0	0	20,300	20,300	0	0	0	0	0	0
Office of National Laboratories	20,300	20,300	0	0	20,300	20,300	0	0	0	0	0	0
Chemical Security Analysis Center	4,390	4,390	0	0	4,390	4,390	0	0	0	0	0	0
National Urban Security Technology Laboratory	3,480	3,480	0	0	3,480	3,480	0	0	0	0	0	0
Plum Island Animal Disease Center	1,550	1,550	0	0	1,550	1,550	0	0	0	0	0	0
Transportation Security Laboratory	10,880	10,880	0	0	10,880	10,880	0	0	0	0	0	0
Department of the Interior	1,170,882	132,230	841,112	197,540	1,033,063	112,574	750,482	170,007	137,818	19,655	90,631	27,532
Bureau of Land Management	301	130	171	0	301	130	171	0	0	0	0	0
Bureau of Ocean Energy Management	36,016	0	24,706	11,310	36,016	0	24,706	11,310	0	0	0	0
Bureau of Reclamation	16,124	0	9,674	6,450	16,124	0	9,674	6,450	0	0	0	0
Fish and Wildlife Service	24,000	0	24,000	0	24,000	0	24,000	0	0	0	0	0
Geological Survey	1,079,102	132,100	767,822	179,180	941,284	112,444	677,192	151,648	137,818	19,655	90,631	27,532
Core Science Systems Mission Area	126,178	5,878	102,687	17,613	121,638	5,632	99,006	17,000	4,540	245	3,681	614
Ecosystems Mission Area	387,056	27,214	321,937	37,906	369,430	25,980	307,307	36,143	17,626	1,234	14,630	1,763
Energy and Minerals Mission Area	88,126	24,757	51,835	11,534	87,623	24,616	51,537	11,470	503	140	298	64
Natural Hazards Mission Area	156,535	23,109	90,832	42,594	152,145	22,448	88,306	41,391	4,391	662	2,526	1,203
Water Resources Mission Area	321,206	51,142	200,531	69,534	210,448	33,768	131,035	45,645	110,758	17,374	69,495	23,889
National Park Service	15,339	0	14,739	600	15,339	0	14,739	600	0	0	0	0
Department of Transportation	129,610	0	129,610	0	85,372	0	85,372	0	44,238	0	44,238	0
Federal Aviation Administration	74,873	0	74,873	0	31,529	0	31,529	0	43,344	0	43,344	0

TABLE 1

Federal facility R&D expenditures, by type of R&D: FY 2022

(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 Aerospace Medicine	16,319	0	16,319	0	16,319	0	16,319	0	0	0	0	0
Office of NextGen	58,554	0	58,554	0	15,210	0	15,210	0	43,344	0	43,344	0
Federal Highway Administration	31,961	0	31,961	0	31,067	0	31,067	0	894	0	894	0
Intelligence Transportation Systems Joint Program Office	15,026	0	15,026	0	14,888	0	14,888	0	137	0	137	0
Office of Administrations	11,000	0	11,000	0	10,509	0	10,509	0	491	0	491	0
Office of Operations	1,999	0	1,999	0	1,910	0	1,910	0	89	0	89	0
Office of Planning	653	0	653	0	623	0	623	0	29	0	29	0
Office of Research, Development, and Technology	3,283	0	3,283	0	3,137	0	3,137	0	147	0	147	0
National Highway Traffic Safety Administration	3,634	0	3,634	0	3,634	0	3,634	0	0	0	0	0
Office of Vehicle Safety Research	3,634	0	3,634	0	3,634	0	3,634	0	0	0	0	0
Vehicle Research and Test Center	3,634	0	3,634	0	3,634	0	3,634	0	0	0	0	0
Office of the Assistant Secretary for Research and Technology	19,142	0	19,142	0	19,142	0	19,142	0	0	0	0	0
John A. Volpe National Transportation Systems Center	19,142	0	19,142	0	19,142	0	19,142	0	0	0	0	0
Department of Veterans Affairs	1,529,302	578,452	918,189	32,662	1,529,302	578,452	918,189	32,662	0	0	0	0
Office of Research and Development Central Office	113,943	78,726	35,100	117	113,943	78,726	35,100	117	0	0	0	0
Veterans Integrated Services Network (VISN) 1: New England Health Care System	248,067	26,306	217,432	4,330	248,067	26,306	217,432	4,330	0	0	0	0
Bedford Health Care System	12,543	2,449	9,833	261	12,543	2,449	9,833	261	0	0	0	0
Boston Health Care System, Jamaica Plain Campus	159,315	13,629	143,993	1,693	159,315	13,629	143,993	1,693	0	0	0	0
Central Western Massachusetts Health Care	1,613	182	1,431	0	1,613	182	1,431	0	0	0	0	0
Connecticut Health Care System, West Haven Medical Center	45,873	5,736	38,926	1,211	45,873	5,736	38,926	1,211	0	0	0	0
Manchester Medical Center	144	144	0	0	144	144	0	0	0	0	0	0
Providence Medical Center	19,570	1,910	16,621	1,039	19,570	1,910	16,621	1,039	0	0	0	0
Togus Maine Health Care System	292	0	292	0	292	0	292	0	0	0	0	0
White River Junction Medical Center	8,717	2,256	6,336	124	8,717	2,256	6,336	124	0	0	0	0
VISN 2: New York/ New Jersey Veterans Health Care Network	53,168	27,051	24,166	1,951	53,168	27,051	24,166	1,951	0	0	0	0
Bronx Health Care, James J. Peters Medical Center	27,179	11,481	14,282	1,416	27,179	11,481	14,282	1,416	0	0	0	0
New Jersey Health Care	6,282	3,317	2,824	140	6,282	3,317	2,824	140	0	0	0	0
New York Harbor Health Care	7,626	4,328	3,131	167	7,626	4,328	3,131	167	0	0	0	0
Northport Medical Center	4,139	3,155	984	0	4,139	3,155	984	0	0	0	0	0
Western New York Health Care, Buffalo Medical Center	7,942	4,771	2,944	227	7,942	4,771	2,944	227	0	0	0	0
VISN 4: Health Care	44,924	14,197	28,719	2,008	44,924	14,197	28,719	2,008	0	0	0	0
Coatesville Medical Center	154	0	153	1	154	0	153	1	0	0	0	0
Philadelphia Health Care, Corporal Michael J. Crescenz Medical Center	20,663	5,528	14,260	875	20,663	5,528	14,260	875	0	0	0	0
Pittsburgh Medical Center-University Drive	24,093	8,669	14,294	1,130	24,093	8,669	14,294	1,130	0	0	0	0

TABLE 1

Federal facility R&D expenditures, by type of R&D: FY 2022

(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
Wilkes-Barre Medical Center	14	0	12	2	14	0	12	2	0	0	0	0
VISN 5: Capitol Health Care Network	40,732	29,178	10,890	664	40,732	29,178	10,890	664	0	0	0	0
Huntington Health Care, Hershel (Woody) Williams Medical Center	1,223	1,141	82	0	1,223	1,141	82	0	0	0	0	0
Maryland Health Care, Baltimore Medical Center	23,383	16,550	6,228	605	23,383	16,550	6,228	605	0	0	0	0
Washington DC Health Care, Washington Medical Center	16,126	11,487	4,581	58	16,126	11,487	4,581	58	0	0	0	0
VISN 6: Mid-Atlantic Health Care Network	55,346	15,969	37,955	1,422	55,346	15,969	37,955	1,422	0	0	0	0
Asheville Health Care, Charles George Medical Center	778	275	503	0	778	275	503	0	0	0	0	0
Durham Medical Center	33,256	2,552	29,644	1,060	33,256	2,552	29,644	1,060	0	0	0	0
Hampton Medical Center	250	130	121	0	250	130	121	0	0	0	0	0
Richmond Health Care, Hunter Holmes McGuire Hospital	13,915	9,317	4,363	235	13,915	9,317	4,363	235	0	0	0	0
Salem Medical Center	3,703	1,838	1,738	127	3,703	1,838	1,738	127	0	0	0	0
Salisbury Health Care, W.G. (Bill) Hefner Salisbury Medical Center	3,443	1,857	1,586	0	3,443	1,857	1,586	0	0	0	0	0
VISN 7: Southeast Network	88,038	45,034	40,205	2,799	88,038	45,034	40,205	2,799	0	0	0	0
Atlanta Medical Center	33,002	16,662	14,644	1,696	33,002	16,662	14,644	1,696	0	0	0	0
Augusta Health Care, Charlie Norwood Medical Center	5,240	4,339	900	0	5,240	4,339	900	0	0	0	0	0
Birmingham Medical Center	11,113	5,602	5,352	158	11,113	5,602	5,352	158	0	0	0	0
Charleston Health Care, Ralph H. Johnson Medical Center	31,940	14,712	16,345	883	31,940	14,712	16,345	883	0	0	0	0
Columbia South Carolina Health Care, William Jennings Bryan Dorn Medical Center	4,253	2,909	1,306	38	4,253	2,909	1,306	38	0	0	0	0
Tuscaloosa Medical Center	2,490	809	1,658	23	2,490	809	1,658	23	0	0	0	0
VISN 8: Sunshine Health Care Network	39,065	18,953	18,582	1,530	39,065	18,953	18,582	1,530	0	0	0	0
Bay Pines Health Care System	2,316	1,498	818	0	2,316	1,498	818	0	0	0	0	0
Caribbean Health Care System	526	526	0	0	526	526	0	0	0	0	0	0
Miami Health Care System	11,126	7,043	3,956	127	11,126	7,043	3,956	127	0	0	0	0
North Florida/ South Georgia Health Care System	12,506	1,879	9,467	1,160	12,506	1,879	9,467	1,160	0	0	0	0
Orlando Medical Center	592	293	293	6	592	293	293	6	0	0	0	0
Tampa Health Care, James A. Haley Veterans' Hospital	11,999	7,714	4,047	238	11,999	7,714	4,047	238	0	0	0	0
VISN 9: MidSouth Health Care Network	51,828	35,551	16,092	185	51,828	35,551	16,092	185	0	0	0	0
Lexington Medical Center (Troy Bowling Campus)	5,146	3,806	1,284	56	5,146	3,806	1,284	56	0	0	0	0
Louisville Health Care, Robley Rex Medical Center	3,476	2,825	619	31	3,476	2,825	619	31	0	0	0	0
Memphis Medical Center	7,373	4,022	3,351	0	7,373	4,022	3,351	0	0	0	0	0
Mountain Home Health Care, James H. Quillen Medical Center	3,218	2,679	518	22	3,218	2,679	518	22	0	0	0	0
Tennessee Valley Health Care, Nashville Medical Center	32,614	22,218	10,320	77	32,614	22,218	10,320	77	0	0	0	0
VISN 10: Health Care System	107,300	44,616	59,449	3,235	107,300	44,616	59,449	3,235	0	0	0	0
Ann Arbor Health Care System	31,274	8,063	22,718	493	31,274	8,063	22,718	493	0	0	0	0

TABLE 1

Federal facility R&D expenditures, by type of R&D: FY 2022

(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
Battle Creek Medical Center	5	0	4	1	5	0	4	1	0	0	0	0
Cincinnati Medical Center	7,700	6,536	1,148	16	7,700	6,536	1,148	16	0	0	0	0
Dayton Medical Center	1,167	526	641	0	1,167	526	641	0	0	0	0	0
Detroit Health Care, John D. Dingell Medical Center	9,562	4,355	4,664	543	9,562	4,355	4,664	543	0	0	0	0
Indiana Health Care, Richard L. Roudebush Medical Center	27,341	14,136	13,031	175	27,341	14,136	13,031	175	0	0	0	0
Northeast Ohio Health Care, Louis Stokes Cleveland Medical Center	30,251	11,001	17,243	2,007	30,251	11,001	17,243	2,007	0	0	0	0
VISN 12: Great Lakes Health Care System	75,386	31,855	41,885	1,646	75,386	31,855	41,885	1,646	0	0	0	0
Chicago Health Care, Jesse Brown Medical Center	19,642	16,079	3,343	219	19,642	16,079	3,343	219	0	0	0	0
Hines Health Care, Edward Hines Junior Hospital	29,727	2,681	25,978	1,068	29,727	2,681	25,978	1,068	0	0	0	0
Madison Health Care, William S. Middleton Memorial Veterans' Hospital	18,242	9,089	9,003	150	18,242	9,089	9,003	150	0	0	0	0
Milwaukee Health Care, Clement J. Zablocki Medical Center	7,776	4,006	3,562	209	7,776	4,006	3,562	209	0	0	0	0
VISN 15: Heartland Health Care Network	12,330	9,271	3,049	10	12,330	9,271	3,049	10	0	0	0	0
Kansas City Medical Center	4,515	3,823	693	0	4,515	3,823	693	0	0	0	0	0
St. Louis Health Care, John J. Cochran Veterans Hospital	7,814	5,448	2,356	10	7,814	5,448	2,356	10	0	0	0	0
VISN 16: South Central Health Care Network	47,956	15,888	31,531	536	47,956	15,888	31,531	536	0	0	0	0
Central Arkansas Health Care, Eugene J. Towbin Health Care Center	13,208	5,343	7,673	193	13,208	5,343	7,673	193	0	0	0	0
Houston Health Care, Michael E. DeBakey Medical Center	26,763	3,824	22,596	343	26,763	3,824	22,596	343	0	0	0	0
Jackson Health Care, G.V. (Sonny) Montgomery Medical Center	1,119	1,119	0	0	1,119	1,119	0	0	0	0	0	0
Shreveport Health Care, Overton Brooks Medical Center	497	193	304	0	497	193	304	0	0	0	0	0
Southeast Louisiana Health Care System	6,368	5,409	959	0	6,368	5,409	959	0	0	0	0	0
VISN 17: Heart of Texas Health Care Network	27,491	16,748	10,347	396	27,491	16,748	10,347	396	0	0	0	0
Central Texas Health Care	3,132	1,752	1,219	161	3,132	1,752	1,219	161	0	0	0	0
North Texas, Dallas Medical Center	6,955	2,105	4,733	117	6,955	2,105	4,733	117	0	0	0	0
South Texas Health Care	17,403	12,891	4,394	118	17,403	12,891	4,394	118	0	0	0	0
VISN 19: Rocky Mountain Network	90,167	34,447	52,689	3,031	90,167	34,447	52,689	3,031	0	0	0	0
Eastern Colorado, Rocky Mountain Regional Medical Center	33,422	16,528	16,036	857	33,422	16,528	16,036	857	0	0	0	0
Eastern Oklahoma, Jack C. Montgomery Medical Center	436	258	178	0	436	258	178	0	0	0	0	0
Oklahoma City Medical Center	8,676	7,689	988	0	8,676	7,689	988	0	0	0	0	0
Salt Lake City Health Care	47,633	9,972	35,486	2,174	47,633	9,972	35,486	2,174	0	0	0	0
VISN 20: Northwest Network	111,071	26,798	81,697	2,575	111,071	26,798	81,697	2,575	0	0	0	0
Boise Medical Center	2,749	2,749	0	0	2,749	2,749	0	0	0	0	0	0
Portland Health Care System	48,302	13,392	33,540	1,370	48,302	13,392	33,540	1,370	0	0	0	0
Puget Sound Health Care, Seattle Medical Center	60,019	10,657	48,157	1,205	60,019	10,657	48,157	1,205	0	0	0	0
VISN 21: Sierra Pacific Network	148,509	42,692	103,907	1,910	148,509	42,692	103,907	1,910	0	0	0	0

TABLE 1

Federal facility R&D expenditures, by type of R&D: FY 2022

(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
Central California Health Care System	409	339	71	0	409	339	71	0	0	0	0	0
Northern California Health Care System	7,744	3,904	3,558	281	7,744	3,904	3,558	281	0	0	0	0
Pacific Islands Health Care System	2,180	914	1,266	0	2,180	914	1,266	0	0	0	0	0
Palo Alto Health Care System	74,320	14,530	58,928	862	74,320	14,530	58,928	862	0	0	0	0
San Francisco Health Care System	62,638	22,656	39,221	762	62,638	22,656	39,221	762	0	0	0	0
Sierra Nevada Health Care System	577	10	562	5	577	10	562	5	0	0	0	0
Southern Nevada Health Care System	640	339	301	0	640	339	301	0	0	0	0	0
VISN 22: Desert Pacific Health Care Network	136,105	48,699	83,622	3,785	136,105	48,699	83,622	3,785	0	0	0	0
Greater Los Angeles, West Los Angeles Medical Center	31,993	14,350	17,058	585	31,993	14,350	17,058	585	0	0	0	0
Loma Linda Health Care System	5,570	2,373	2,976	220	5,570	2,373	2,976	220	0	0	0	0
Long Beach Health Care System	8,534	4,040	4,477	16	8,534	4,040	4,477	16	0	0	0	0
New Mexico Health Care System	26,569	3,458	23,110	0	26,569	3,458	23,110	0	0	0	0	0
Phoenix Health Care System	3,448	1,749	1,496	203	3,448	1,749	1,496	203	0	0	0	0
San Diego Health Care System	55,386	18,935	33,744	2,707	55,386	18,935	33,744	2,707	0	0	0	0
Southern Arizona Health Care System	4,606	3,793	760	54	4,606	3,793	760	54	0	0	0	0
VISN 23: Midwest Health Care Network	37,877	16,474	20,871	532	37,877	16,474	20,871	532	0	0	0	0
Fargo Health Care System	144	0	144	0	144	0	144	0	0	0	0	0
Minneapolis Health Care System	26,578	7,039	19,007	532	26,578	7,039	19,007	532	0	0	0	0
Nebraska-Western Iowa Health Care System	10,283	8,680	1,603	0	10,283	8,680	1,603	0	0	0	0	0
Sioux Falls Health Care System	823	755	68	0	823	755	68	0	0	0	0	0
St. Cloud Health Care	49	0	49	0	49	0	49	0	0	0	0	0
Other agencies	4,245,202	1,021,147	1,209,925	2,014,129	4,245,118	1,021,147	1,209,841	2,014,129	84	0	84	0
Environmental Protection Agency	292,399	0	214,914	77,486	292,399	0	214,914	77,486	0	0	0	0
Center for Computational Toxicology and Exposure	54,685	0	40,193	14,491	54,685	0	40,193	14,491	0	0	0	0
Center for Environmental Measurement and Modeling	84,799	0	62,327	22,472	84,799	0	62,327	22,472	0	0	0	0
Center for Environmental Solutions and Emergency Response	52,849	0	38,844	14,005	52,849	0	38,844	14,005	0	0	0	0
Center for Public Health and Environmental Assessment	82,802	0	60,860	21,943	82,802	0	60,860	21,943	0	0	0	0
Office of Science Advisor, Policy, and Engagement	17,264	0	12,689	4,575	17,264	0	12,689	4,575	0	0	0	0
Federal Trade Commission	1,492	0	1,492	0	1,492	0	1,492	0	0	0	0	0
Library of Congress	2,902	1,233	1,361	307	2,818	1,233	1,277	307	84	0	84	0
Digital Services Directorate	433	433	0	0	433	433	0	0	0	0	0	0
Preservation Directorate	2,469	801	1,361	307	2,385	801	1,277	307	84	0	84	0
National Aeronautics and Space Administration (NASA)	3,764,686	836,191	992,158	1,936,337	3,764,686	836,191	992,158	1,936,337	0	0	0	0
Ames Research Center	276,848	86,034	168,632	22,182	276,848	86,034	168,632	22,182	0	0	0	0

TABLE 1
Federal facility R&D expenditures, by type of R&D: FY 2022

(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
Armstrong (Dryden) Flight Research Center	28,301	2,377	24,727	1,197	28,301	2,377	24,727	1,197	0	0	0	0
Glenn Research Center	240,357	34,470	151,168	54,719	240,357	34,470	151,168	54,719	0	0	0	0
Goddard Space Flight Center	1,067,753	214,780	57,671	795,302	1,067,753	214,780	57,671	795,302	0	0	0	0
Johnson Space Center	799,127	124,394	286,095	388,638	799,127	124,394	286,095	388,638	0	0	0	0
Kennedy Space Center	178,778	35,478	32,282	111,017	178,778	35,478	32,282	111,017	0	0	0	0
Langley Research Center	240,270	39,765	158,544	41,961	240,270	39,765	158,544	41,961	0	0	0	0
Marshall Space Flight Center	691,175	154,049	89,272	447,855	691,175	154,049	89,272	447,855	0	0	0	0
NASA Headquarters	233,119	144,831	22,950	65,339	233,119	144,831	22,950	65,339	0	0	0	0
Stennis Space Center	8,957	13	816	8,127	8,957	13	816	8,127	0	0	0	0
Smithsonian Institution	183,723 i	183,723 i	0 i	0 i	183,723 i	183,723 i	0 i	0 i	0 i	0 i	0 i	0 i
Archives of American Art	30,620 i	30,620 i	0 i	0 i	30,620 i	30,620 i	0 i	0 i	0 i	0 i	0 i	0 i
Center for Astrophysics	30,620 i	30,620 i	0 i	0 i	30,620 i	30,620 i	0 i	0 i	0 i	0 i	0 i	0 i
Smithsonian Astrophysical Observatory	30,620 i	30,620 i	0 i	0 i	30,620 i	30,620 i	0 i	0 i	0 i	0 i	0 i	0 i
National Museum of Natural History	30,620 i	30,620 i	0 i	0 i	30,620 i	30,620 i	0 i	0 i	0 i	0 i	0 i	0 i
Smithsonian Conservation Biology Institute	30,620 i	30,620 i	0 i	0 i	30,620 i	30,620 i	0 i	0 i	0 i	0 i	0 i	0 i
Smithsonian Environmental Research Center	30,620 i	30,620 i	0 i	0 i	30,620 i	30,620 i	0 i	0 i	0 i	0 i	0 i	0 i
Smithsonian Tropical Research Institute	30,620 i	30,620 i	0 i	0 i	30,620 i	30,620 i	0 i	0 i	0 i	0 i	0 i	0 i

i = more than 50% of the estimate is imputed, including cases where there is only one facility listed and its data are imputed.

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

Source(s):
 National Center for Science and Engineering Statistics, Federal Facilities Research and Development Survey, FY 2022.