

TABLE 2

## Federal DOD facility research, development, test, and evaluation expenditures, by type of RDT&amp;E: FY 2022

(Thousands of dollars)

Agency or facility	RDT&E expenditures						Federally funded RDT&E expenditures						Nonfederally funded RDT&E expenditures					
	All RDT&E	R&D				Operational system development	All federal RDT&E	R&D				Operational system development	All nonfederal RDT&E	R&D				Operational system development
		All R&D	Basic research	Applied research	Experimental development			All R&D	Basic research	Applied research	Experimental development			All R&D	Basic research	Applied research	Experimental development	
All DOD agencies	22,429,339	20,864,136	763,485	2,784,669	17,315,982	1,565,203	22,158,225	20,680,994	763,377	2,757,171	17,160,446	1,477,231	271,113	183,142	107	27,498	155,537	87,971
Defense Information Systems Agency	298,440	64,816	0	0	64,816	233,624	222,456	63,366	0	0	63,366	159,090	75,984	1,450	0	0	1,450	74,534
Department of the Air Force	6,551,871	6,364,822	170,459	1,225,972	4,968,390	187,049	6,551,871	6,364,822	170,459	1,225,972	4,968,390	187,049	0	0	0	0	0	0
Materiel Command	6,551,871	6,364,822	170,459	1,225,972	4,968,390	187,049	6,551,871	6,364,822	170,459	1,225,972	4,968,390	187,049	0	0	0	0	0	0
Air Force Civil Engineer Center	27,922	27,922	0	0	27,922	0	27,922	27,922	0	0	27,922	0	0	0	0	0	0	0
Air Force Life Cycle Management Center	2,661,569	2,560,962	0	0	2,560,962	100,606	2,661,569	2,560,962	0	0	2,560,962	100,606	0	0	0	0	0	0
Air Force Nuclear Weapons Center	556,070	511,311	0	0	511,311	44,759	556,070	511,311	0	0	511,311	44,759	0	0	0	0	0	0
Air Force Research Laboratory	2,681,862	2,670,981	170,459	1,225,972	1,274,549	10,881	2,681,862	2,670,981	170,459	1,225,972	1,274,549	10,881	0	0	0	0	0	0
Air Force Test Center	624,447	593,645	0	0	593,645	30,803	624,447	593,645	0	0	593,645	30,803	0	0	0	0	0	0
Department of the Army	6,137,010	5,816,747	273,149	997,694	4,545,904	320,263	6,083,638	5,765,621	273,149	971,580	4,520,892	318,017	53,372	51,126	0	26,114	25,012	2,246
Army Cyber Command	477,297	455,350	21,383	78,102	355,865	21,947	477,297	455,350	21,383	78,102	355,865	21,947	0	0	0	0	0	0
Army Engineer Research and Development Center	726,443	725,537	20,058	103,211	602,268	906	719,452	718,545	20,058	102,184	596,303	906	6,992	6,992	0	1,027	5,965	0
Army Medical Research and Development Command	481,401	472,520	27,494	207,055	237,970	8,881	467,316	458,435	27,494	193,037	237,905	8,881	14,085	14,085	0	14,019	66	0
Army Research Institute for the Behavioral and Social Sciences	477,297	455,350	21,383	78,102	355,865	21,947	477,297	455,350	21,383	78,102	355,865	21,947	0	0	0	0	0	0
Combat Capabilities Development Command (DEVCOM)	3,894,911	3,630,576	182,018	515,149	2,933,410	264,335	3,894,888	3,630,552	182,018	515,131	2,933,404	264,335	24	24	0	18	6	0
Armaments Center	817,771	708,689	3,221	101,516	603,953	109,082	817,753	708,672	3,221	101,498	603,953	109,082	18	18	0	18	0	0
Army Research Laboratory	252,265	251,882	61,449	88,896	101,536	383	252,265	251,882	61,449	88,896	101,536	383	0	0	0	0	0	0
Aviation and Missile Center	2,049,415	1,920,096	17,042	199,335	1,703,719	129,319	2,049,409	1,920,090	17,042	199,335	1,703,713	129,319	6	6	0	0	6	0
Chemical Biological Center	108,950	102,085	3,725	102,085	86,335	6,865	108,950	102,085	3,725	102,085	86,335	6,865	0	0	0	0	0	0
Command, Control, Communications, Computers, Cyber, Intelligence, Surveillance, and Reconnaissance Center	231,570	214,162	2,100	35,802	176,260	17,408	231,570	214,162	2,100	35,802	176,260	17,408	0	0	0	0	0	0
Data and Analysis Center	10,018	10,018	0	7,378	2,640	0	10,018	10,018	0	7,378	2,640	0	0	0	0	0	0	0
DEVCOM Headquarters	88,100	88,100	16,834	1,131	70,135	0	88,100	88,100	16,834	1,131	70,135	0	0	0	0	0	0	0
Ground Vehicle Systems Center	236,569	236,569	75,106	31,837	129,626	0	236,569	236,569	75,106	31,837	129,626	0	0	0	0	0	0	0
Soldier Center	100,253	98,974	2,541	37,228	59,206	1,279	100,253	98,974	2,541	37,228	59,206	1,279	0	0	0	0	0	0
Space and Missile Defense Command	79,660	77,414	814	16,075	60,525	2,246	47,388	47,388	814	5,024	41,550	0	32,272	30,026	0	11,051	18,975	2,246
Department of the Navy	6,607,843	5,783,576	236,690	561,003	4,985,883	824,267	6,475,943	5,662,867	236,583	559,619	4,866,665	813,076	131,900	120,709	107	1,384	119,218	11,191
Bureau of Medicine and Surgery	132,340	129,796	18,897	68,364	42,535	2,544	130,594	128,050	18,790	66,981	42,279	2,544	1,746	1,746	107	1,384	255	0
Naval Medical Research Command <sup>a</sup>	132,340	129,796	18,897	68,364	42,535	2,544	130,594	128,050	18,790	66,981	42,279	2,544	1,746	1,746	107	1,384	255	0
Naval Health Research Center	27,215	26,826	5,538	17,484	3,804	389	26,919	26,530	5,538	17,188	3,804	389	296	296	0	296	0	0
Naval Medical Research Unit - Dayton	24,242	22,122	1,759	3,097	17,266	2,119	24,242	22,122	1,759	3,097	17,266	2,119	0	0	0	0	0	0
Naval Medical Research Unit - INDO PACIFIC	1,314	1,314	0	0	1,314	0	1,314	1,314	0	0	1,314	0	0	0	0	0	0	0
Naval Medical Research Unit - San Antonio	11,839	11,803	1,903	2,416	7,484	35	11,800	11,764	1,864	2,416	7,484	35	39	39	39	0	0	0
Naval Medical Research Unit - South	9,466	9,466	5,847	2,015	1,604	0	8,310	8,310	5,778	928	1,604	0	1,156	1,156	68	1,088	0	0
Naval Submarine Medical Research Laboratory	8,990	8,990	525	4,384	4,080	0	8,990	8,990	525	4,384	4,080	0	0	0	0	0	0	0

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	All RDT&E	R&D				Operational system development	All federal RDT&E	R&D				Operational system development	All nonfederal RDT&E	R&D				Operational system development
		All R&D	Basic research	Applied research	Experimental development			All R&D	Basic research	Applied research	Experimental development			All R&D	Basic research	Applied research	Experimental development	
Marine Corps	326,863 i	287,952 i	11,784 i	27,931 i	248,237 i	38,911 i	326,863 i	287,952 i	11,784 i	27,931 i	248,237 i	38,911 i	0 i	0 i	0 i	0 i	0 i	0 i
Naval Air Warfare Center Aircraft Division	891,612	857,385	1,538	4,558	851,288	34,228	772,650	738,422	1,538	4,558	732,326	34,228	118,963	118,963	0	0	118,963	0
Naval Air Warfare Center Weapon Division	956,186	777,721	3,719	22,073	751,928	178,465	956,186	777,721	3,719	22,073	751,928	178,465	0	0	0	0	0	0
Naval Facilities Engineering and Expeditionary Warfare Center	89,580	57,092	611	948	55,534	32,489	89,580	57,092	611	948	55,534	32,489	0	0	0	0	0	0
Naval Information Warfare Systems Command	805,548	565,094	10,824	49,168	505,102	240,454	794,357	565,094	10,824	49,168	505,102	229,263	11,191	0	0	0	0	11,191
Naval Information Warfare Center Atlantic	227,208	145,315	2,044	12,510	130,761	81,893	227,208	145,315	2,044	12,510	130,761	81,893	0	0	0	0	0	0
Naval Information Warfare Center Pacific	578,340	419,779	8,780	36,658	374,341	158,561	567,149	419,779	8,780	36,658	374,341	147,370	11,191	0	0	0	0	11,191
Naval Observatory	33,986 i	29,941 i	1,225 i	2,904 i	25,811 i	4,046 i	33,986 i	29,941 i	1,225 i	2,904 i	25,811 i	4,046 i	0 i	0 i	0 i	0 i	0 i	0 i
Naval Oceanographic Office	33,986 i	29,941 i	1,225 i	2,904 i	25,811 i	4,046 i	33,986 i	29,941 i	1,225 i	2,904 i	25,811 i	4,046 i	0 i	0 i	0 i	0 i	0 i	0 i
Naval Sea Systems Command Warfare Centers	2,433,226	2,180,415	20,580	138,245	2,021,590	252,811	2,433,226	2,180,415	20,580	138,245	2,021,590	252,811	0	0	0	0	0	0
Naval Surface Warfare Center	2,030,696	1,842,591	17,143	106,587	1,718,861	188,105	2,030,696	1,842,591	17,143	106,587	1,718,861	188,105	0	0	0	0	0	0
Naval Undersea Warfare Center	402,530	337,824	3,437	31,658	302,729	64,706	402,530	337,824	3,437	31,658	302,729	64,706	0	0	0	0	0	0
Office of Naval Research	904,515	868,240	166,286	243,907	458,047	36,274	904,515	868,240	166,286	243,907	458,047	36,274	0	0	0	0	0	0
Naval Research Laboratory	904,515	868,240	166,286	243,907	458,047	36,274	904,515	868,240	166,286	243,907	458,047	36,274	0	0	0	0	0	0
Missile Defense Agency	420,524	420,524	0	0	420,524	0	420,524	420,524	0	0	420,524	0	0	0	0	0	0	0
Space Force	2,413,651	2,413,651	83,186	0	2,330,466	0	2,403,794	2,403,794	83,186	0	2,320,608	0	9,857	9,857	0	0	9,857	0
Advanced Extremely High Frequency Military Satellite Communications (MILSATCOM) Space Modernization Initiative	27,003	27,003	0	0	27,003	0	27,003	27,003	0	0	27,003	0	0	0	0	0	0	0
Commercial Satellite Communications (SATCOM)	20,205	20,205	0	0	20,205	0	20,205	20,205	0	0	20,205	0	0	0	0	0	0	0
Counter Communications System	5,895	5,895	0	0	5,895	0	5,895	5,895	0	0	5,895	0	0	0	0	0	0	0
Electro-Optical/ Infrared Weather Systems	1,862	1,862	0	0	1,862	0	1,862	1,862	0	0	1,862	0	0	0	0	0	0	0
Evolved Strategic SATCOM	108,519	108,519	0	0	108,519	0	108,519	108,519	0	0	108,519	0	0	0	0	0	0	0
Global Positioning Systems III Follow-on	138,971	138,971	0	0	138,971	0	138,971	138,971	0	0	138,971	0	0	0	0	0	0	0
Ground Based Optical Sensor System	45,388	45,388	0	0	45,388	0	45,388	45,388	0	0	45,388	0	0	0	0	0	0	0
Joint Execution and Tasking System for Space	2,087	2,087	0	0	2,087	0	2,087	2,087	0	0	2,087	0	0	0	0	0	0	0
National Security Space Launch	91,491	91,491	0	0	91,491	0	91,491	91,491	0	0	91,491	0	0	0	0	0	0	0
NAVSTAR Global Positioning System (User Equipment)	290,005	290,005	0	0	290,005	0	290,005	290,005	0	0	290,005	0	0	0	0	0	0	0
Next-Generation Overhead Persistent Infrared Block 0 Geosynchronous	334,688	334,688	0	0	334,688	0	334,688	334,688	0	0	334,688	0	0	0	0	0	0	0
Next-Generation Overhead Persistent Infrared Block 0 Polar	343,144	343,144	0	0	343,144	0	343,144	343,144	0	0	343,144	0	0	0	0	0	0	0
Next-Generation Overhead Persistent Infrared Ground (aka Future Operationally Resilient Ground Evolution)	311,140	311,140	0	0	311,140	0	311,140	311,140	0	0	311,140	0	0	0	0	0	0	0
Next-Generation Overhead Persistent Infrared Integration	23,796	23,796	0	0	23,796	0	23,796	23,796	0	0	23,796	0	0	0	0	0	0	0
Next-Generation Overhead Persistent Infrared Space Mod Initiative	56,529	56,529	0	0	56,529	0	56,529	56,529	0	0	56,529	0	0	0	0	0	0	0
Polar MILSATCOM Enhanced Polar System Recapitalization	50,402	50,402	0	0	50,402	0	50,402	50,402	0	0	50,402	0	0	0	0	0	0	0
Protected Tactical Enterprise Service	51,780	51,780	0	0	51,780	0	51,780	51,780	0	0	51,780	0	0	0	0	0	0	0
Protected Tactical Service	185,948	185,948	0	0	185,948	0	185,948	185,948	0	0	185,948	0	0	0	0	0	0	0

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	All RDT&E	R&D				Operational system development	All federal RDT&E	R&D				Operational system development	All nonfederal RDT&E	R&D				Operational system development	
		All R&D	Basic research	Applied research	Experimental development			All R&D	Basic research	Applied research	Experimental development			All R&D	Basic research	Applied research	Experimental development		
Rocket System Launch Program	21,481	21,481	0	0	21,481	0	21,481	21,481	0	0	21,481	0	0	0	0	0	0	0	0
Space Control Technology	31,361	31,361	0	0	31,361	0	31,361	31,361	0	0	31,361	0	0	0	0	0	0	0	0
Space Rapid Capabilities Office	83,186	83,186	83,186	0	0	0	83,186	83,186	83,186	0	0	0	0	0	0	0	0	0	0
Space Situation Awareness Systems	100,674	100,674	0	0	100,674	0	100,674	100,674	0	0	100,674	0	0	0	0	0	0	0	0
Space Situational Awareness Environmental Monitoring	364	364	0	0	364	0	364	364	0	0	364	0	0	0	0	0	0	0	0
Space Systems Prototype Transitions Assault Breaker II	49,909	49,909	0	0	49,909	0	49,909	49,909	0	0	49,909	0	0	0	0	0	0	0	0
Space Test and Training Range Development	742	742	0	0	742	0	742	742	0	0	742	0	0	0	0	0	0	0	0
Space Test Program	24,717	24,717	0	0	24,717	0	14,860	14,860	0	0	14,860	0	9,857	9,857	0	0	0	9,857	0
Weather System Follow-On	12,364	12,364	0	0	12,364	0	12,364	12,364	0	0	12,364	0	0	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.

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

<sup>a</sup> Naval Medical Research Command headquarters and its subfacilities responded separately to the survey. Data displayed for the Naval Medical Research Command is for the headquarters only.

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