

TABLE 63

Department of Defense obligations for research, development, test, and evaluation, by state or location, agency, and performer: FY 2023

(Dollars in thousands)

State or location and agency	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	Businesses	Higher education ^b	Nonprofit organizations	State and local governments
Alabama							
Department of Defense, RDT&E	4,286,083	2,168,719	538	2,030,029	72,848	13,811	138
Department of Defense, R&D conduct	3,934,045	2,039,921	538	1,823,111	57,243	13,095	138
Department of Defense, operational system development and software and digital technology pilot programs ^c	352,037	128,798	0	206,918	15,605	716	0
Alaska							
Department of Defense, RDT&E	206,475	28,985	0	153,043	16,479	1,031	6,938
Department of Defense, R&D conduct	186,131	28,751	0	133,272	16,140	1,031	6,938
Department of Defense, operational system development and software and digital technology pilot programs ^c	20,344	234	0	19,771	339	0	0
Arizona							
Department of Defense, RDT&E	2,078,973	77,533	0	1,913,957	78,066	3,605	5,812
Department of Defense, R&D conduct	1,732,651	58,582	0	1,590,675	73,977	3,605	5,812
Department of Defense, operational system development and software and digital technology pilot programs ^c	346,322	18,951	0	323,282	4,089	0	0
Arkansas							
Department of Defense, RDT&E	33,925	1,690	5,135	6,953	19,391	757	0
Department of Defense, R&D conduct	33,211	976	5,135	6,953	19,391	757	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	714	714	0	0	0	0	0
California							
Department of Defense, RDT&E	12,902,277	3,183,907	710,308	8,123,655	624,032	258,592	1,782
Department of Defense, R&D conduct	11,467,726	2,632,963	414,557	7,539,239	621,343	257,842	1,782
Department of Defense, operational system development and software and digital technology pilot programs ^c	1,434,550	550,944	295,751	584,416	2,690	750	0
Colorado							
Department of Defense, RDT&E	5,269,459	278,681	18,954	4,877,653	90,273	3,897	0
Department of Defense, R&D conduct	4,803,200	197,773	18,727	4,492,529	90,273	3,897	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	466,259	80,907	227	385,125	0	0	0
Connecticut							
Department of Defense, RDT&E	1,687,300	174,492	0	1,427,985	83,249	1,574	0
Department of Defense, R&D conduct	1,291,703	8,960	0	1,197,920	83,249	1,574	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	395,597	165,532	0	230,065	0	0	0
Delaware							
Department of Defense, RDT&E	61,875	5,472	0	17,895	38,322	186	0
Department of Defense, R&D conduct	60,914	5,472	0	16,934	38,322	186	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	961	0	0	961	0	0	0
District of Columbia							
Department of Defense, RDT&E	4,701,304	3,458,862	7,600	974,773	58,686	201,384	0

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Department of Defense, R&D conduct	4,024,086	3,012,627	7,600	753,865	52,304	197,690	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	677,218	446,235	0	220,908	6,382	3,694	0
Florida							
Department of Defense, RDT&E	3,607,546	1,099,475	0	2,274,768	171,013	60,154	2,135
Department of Defense, R&D conduct	3,141,690	1,027,701	0	1,889,207	170,388	52,260	2,135
Department of Defense, operational system development and software and digital technology pilot programs ^c	465,856	71,775	0	385,562	625	7,895	0
Georgia							
Department of Defense, RDT&E	1,043,849	193,090	0	515,969	283,594	51,197	0
Department of Defense, R&D conduct	891,006	136,706	0	461,976	242,383	49,942	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	152,843	56,384	0	53,993	41,211	1,255	0
Hawaii							
Department of Defense, RDT&E	306,343	171,206	0	96,297	38,790	47	3
Department of Defense, R&D conduct	299,961	171,179	0	91,814	36,918	47	3
Department of Defense, operational system development and software and digital technology pilot programs ^c	6,382	28	0	4,483	1,872	0	0
Idaho							
Department of Defense, RDT&E	145,787	71,227	40,550	29,530	3,997	217	265
Department of Defense, R&D conduct	137,591	66,360	37,300	29,452	3,997	217	265
Department of Defense, operational system development and software and digital technology pilot programs ^c	8,195	4,867	3,250	78	0	0	0
Illinois							
Department of Defense, RDT&E	731,937	290,166	3,319	280,147	149,182	9,124	0
Department of Defense, R&D conduct	613,107	258,617	3,079	193,106	149,182	9,124	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	118,830	31,549	240	87,041	0	0	0
Indiana							
Department of Defense, RDT&E	970,565	403,929	0	438,645	114,359	13,480	152
Department of Defense, R&D conduct	891,593	347,196	0	416,405	114,359	13,480	152
Department of Defense, operational system development and software and digital technology pilot programs ^c	78,972	56,733	0	22,239	0	0	0
Iowa							
Department of Defense, RDT&E	317,498	657	994	293,197	22,419	230	0
Department of Defense, R&D conduct	293,411	307	994	269,460	22,419	230	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	24,087	350	0	23,737	0	0	0
Kansas							
Department of Defense, RDT&E	152,577	5,649	1,030	8,617	137,245	36	0
Department of Defense, R&D conduct	151,528	5,649	0	8,597	137,245	36	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	1,050	0	1,030	20	0	0	0

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Kentucky							
Department of Defense, RDT&E	142,693	78,703	0	29,230	34,641	119	0
Department of Defense, R&D conduct	129,515	78,578	0	16,177	34,641	119	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	13,178	125	0	13,052	0	0	0
Louisiana							
Department of Defense, RDT&E	89,169	257	0	73,763	10,073	5,076	0
Department of Defense, R&D conduct	86,020	12	0	70,860	10,073	5,076	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	3,149	245	0	2,904	0	0	0
Maine							
Department of Defense, RDT&E	44,536	778	0	24,320	16,542	2,896	0
Department of Defense, R&D conduct	41,954	778	0	23,107	16,542	1,528	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	2,582	0	0	1,213	0	1,368	0
Maryland							
Department of Defense, RDT&E	6,408,255	3,150,834	8,260	1,871,199	975,395	402,562	5
Department of Defense, R&D conduct	5,377,436	2,618,741	5,228	1,535,873	815,028	402,562	5
Department of Defense, operational system development and software and digital technology pilot programs ^c	1,030,818	532,093	3,032	335,326	160,367	0	0
Massachusetts							
Department of Defense, RDT&E	4,642,565	470,804	942,313	2,606,777	361,600	261,072	0
Department of Defense, R&D conduct	3,716,809	232,869	876,259	2,062,040	347,969	197,671	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	925,756	237,934	66,054	544,737	13,630	63,401	0
Michigan							
Department of Defense, RDT&E	1,473,483	242,521	0	792,190	99,641	339,131	0
Department of Defense, R&D conduct	1,326,480	180,788	0	743,051	99,641	303,000	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	147,003	61,733	0	49,139	0	36,131	0
Minnesota							
Department of Defense, RDT&E	788,969	66,600	0	295,805	39,872	386,692	0
Department of Defense, R&D conduct	767,550	66,579	0	274,407	39,872	386,692	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	21,419	21	0	21,398	0	0	0
Mississippi							
Department of Defense, RDT&E	180,973	125,582	14	42,237	12,919	221	0
Department of Defense, R&D conduct	167,935	120,877	14	33,903	12,919	221	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	13,038	4,705	0	8,333	0	0	0
Missouri							
Department of Defense, RDT&E	1,223,994	64,186	723	1,103,278	43,644	12,163	0

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Department of Defense, R&D conduct	870,175	51,256	723	762,389	43,644	12,163	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	353,819	12,930	0	340,889	0	0	0
Montana							
Department of Defense, RDT&E	346,919	7,532	0	36,055	303,306	26	0
Department of Defense, R&D conduct	318,225	7,532	0	7,361	303,306	26	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	28,694	0	0	28,694	0	0	0
Nebraska							
Department of Defense, RDT&E	104,014	17,987	0	59,551	26,448	28	0
Department of Defense, R&D conduct	51,915	17,987	0	7,453	26,448	28	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	52,099	0	0	52,099	0	0	0
Nevada							
Department of Defense, RDT&E	274,253	11,013	0	256,721	6,519	0	0
Department of Defense, R&D conduct	209,945	11,013	0	192,413	6,519	0	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	64,308	0	0	64,308	0	0	0
New Hampshire							
Department of Defense, RDT&E	384,077	5,481	0	358,627	19,722	247	0
Department of Defense, R&D conduct	303,141	5,321	0	277,851	19,722	247	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	80,936	160	0	80,776	0	0	0
New Jersey							
Department of Defense, RDT&E	1,427,732	691,287	45	658,418	59,500	18,482	0
Department of Defense, R&D conduct	1,247,152	557,760	45	623,651	59,351	6,344	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	180,580	133,527	0	34,767	149	12,137	0
New Mexico							
Department of Defense, RDT&E	1,896,004	805,448	378,441	676,498	34,930	686	0
Department of Defense, R&D conduct	1,682,822	715,153	291,314	642,908	32,761	686	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	213,182	90,296	87,127	33,590	2,169	0	0
New York							
Department of Defense, RDT&E	1,623,143	340,970	0	950,285	254,136	77,152	600
Department of Defense, R&D conduct	1,450,660	327,974	0	790,798	254,136	77,152	600
Department of Defense, operational system development and software and digital technology pilot programs ^c	172,483	12,996	0	159,487	0	0	0
North Carolina							
Department of Defense, RDT&E	424,956	44,247	22	247,491	111,883	19,933	1,380
Department of Defense, R&D conduct	406,490	42,919	22	230,354	111,883	19,933	1,380
Department of Defense, operational system development and software and digital technology pilot programs ^c	18,466	1,329	0	17,137	0	0	0

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North Dakota							
Department of Defense, RDT&E	28,374	3	0	866	24,958	48	2,500
Department of Defense, R&D conduct	28,374	3	0	866	24,958	48	2,500
Department of Defense, operational system development and software and digital technology pilot programs ^c	*	0	0	*	0	0	0
Ohio							
Department of Defense, RDT&E	5,680,962	3,322,866	9,239	1,731,984	185,338	431,535	*
Department of Defense, R&D conduct	3,717,813	1,625,453	8,751	1,469,823	184,148	429,637	*
Department of Defense, operational system development and software and digital technology pilot programs ^c	1,963,149	1,697,412	488	262,161	1,190	1,898	0
Oklahoma							
Department of Defense, RDT&E	804,624	109,485	0	661,040	33,318	781	0
Department of Defense, R&D conduct	178,959	89,791	0	55,069	33,318	781	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	625,665	19,694	0	605,971	0	0	0
Oregon							
Department of Defense, RDT&E	120,986	596	0	87,395	32,836	159	0
Department of Defense, R&D conduct	118,950	596	0	85,359	32,836	159	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	2,036	0	0	2,036	0	0	0
Pennsylvania							
Department of Defense, RDT&E	1,906,317	445,282	84,152	859,308	395,179	122,396	0
Department of Defense, R&D conduct	1,545,864	382,981	82,519	591,935	389,407	99,021	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	360,453	62,301	1,633	267,373	5,771	23,375	0
Rhode Island							
Department of Defense, RDT&E	647,141	324,506	0	278,089	40,261	3,684	600
Department of Defense, R&D conduct	551,462	269,442	0	240,156	37,579	3,684	600
Department of Defense, operational system development and software and digital technology pilot programs ^c	95,679	55,064	0	37,933	2,682	0	0
South Carolina							
Department of Defense, RDT&E	1,449,336	196,091	17,303	772,618	41,784	421,540	0
Department of Defense, R&D conduct	1,330,635	140,513	17,163	731,700	41,784	399,475	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	118,701	55,579	140	40,918	0	22,065	0
South Dakota							
Department of Defense, RDT&E	18,629	574	0	16,894	1,097	64	0
Department of Defense, R&D conduct	18,223	379	0	16,683	1,097	64	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	406	195	0	211	0	0	0
Tennessee							
Department of Defense, RDT&E	969,684	378,958	12,106	494,499	80,929	3,192	0

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Department of Defense, R&D conduct	924,476	355,617	11,450	473,542	80,929	2,938	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	45,209	23,342	656	20,957	0	254	0
Texas							
Department of Defense, RDT&E	4,937,569	859,403	30,052	3,711,055	305,493	29,309	2,258
Department of Defense, R&D conduct	2,634,564	135,226	30,052	2,143,987	294,032	29,309	1,958
Department of Defense, operational system development and software and digital technology pilot programs ^c	2,303,005	724,176	0	1,567,067	11,461	0	300
Utah							
Department of Defense, RDT&E	3,989,933	390,978	0	3,507,949	90,798	209	0
Department of Defense, R&D conduct	3,747,656	296,318	0	3,373,923	77,206	209	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	242,277	94,660	0	134,025	13,592	0	0
Vermont							
Department of Defense, RDT&E	134,624	0	0	132,769	1,678	177	0
Department of Defense, R&D conduct	134,624	0	0	132,769	1,678	177	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	0	0	0	0	0	0	0
Virginia							
Department of Defense, RDT&E	13,228,611	2,615,708	983,313	9,358,709	131,822	138,691	368
Department of Defense, R&D conduct	11,826,336	2,474,883	572,217	8,592,621	131,777	54,471	368
Department of Defense, operational system development and software and digital technology pilot programs ^c	1,402,275	140,825	411,097	766,088	45	84,220	0
Washington							
Department of Defense, RDT&E	1,095,003	143,603	26,009	749,656	109,890	65,844	*
Department of Defense, R&D conduct	1,028,312	114,257	17,496	727,237	103,478	65,844	*
Department of Defense, operational system development and software and digital technology pilot programs ^c	66,690	29,345	8,514	22,420	6,412	0	0
West Virginia							
Department of Defense, RDT&E	76,212	1,661	0	68,628	5,791	132	0
Department of Defense, R&D conduct	67,022	164	0	63,935	2,791	132	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	9,190	1,497	0	4,693	3,000	0	0
Wisconsin							
Department of Defense, RDT&E	156,825	353	0	93,242	58,035	5,196	0
Department of Defense, R&D conduct	156,825	353	0	93,242	58,035	5,196	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	0	0	0	0	0	0	0
Wyoming							
Department of Defense, RDT&E	1,404	29	0	1,175	181	19	0
Department of Defense, R&D conduct	1,404	29	0	1,175	181	19	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	0	0	0	0	0	0	0

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Outlying areas							
Department of Defense, RDT&E	40,657	9,370	0	27,932	3,349	5	0
Department of Defense, R&D conduct	23,609	9,370	0	10,885	3,349	5	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	17,048	0	0	17,048	0	0	0
American Samoa							
Department of Defense, RDT&E	1,216	0	0	0	1,211	5	0
Department of Defense, R&D conduct	1,216	0	0	0	1,211	5	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	0	0	0	0	0	0	0
Guam							
Department of Defense, RDT&E	6,438	30	0	6,408	0	0	0
Department of Defense, R&D conduct	6,438	30	0	6,408	0	0	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	0	0	0	0	0	0	0
Northern Mariana Islands							
Department of Defense, RDT&E	1,194	0	0	1,194	0	0	0
Department of Defense, R&D conduct	78	0	0	78	0	0	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	1,116	0	0	1,116	0	0	0
Puerto Rico							
Department of Defense, RDT&E	6,254	0	0	4,399	1,855	0	0
Department of Defense, R&D conduct	6,254	0	0	4,399	1,855	0	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	0	0	0	0	0	0	0
U.S. Virgin Islands							
Department of Defense, RDT&E	283	0	0	0	283	0	0
Department of Defense, R&D conduct	283	0	0	0	283	0	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	0	0	0	0	0	0	0
Other areas ^d							
Department of Defense, RDT&E	25,272	9,340	0	15,932	0	0	0
Department of Defense, R&D conduct	9,340	9,340	0	0	0	0	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	15,932	0	0	15,932	0	0	0
Offices abroad ^e							
Department of Defense, RDT&E	54,457	26,687	0	27,770	0	0	0
Department of Defense, R&D conduct	54,457	26,687	0	27,770	0	0	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	0	0	0	0	0	0	0
Undistributed ^f							
Department of Defense, RDT&E	37,659,776	3,738,127	14,643	33,891,461	15,544	1	0

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Department of Defense, R&D conduct	5,412,426	3,418,267	14,643	1,963,971	15,544	1	0
Department of Defense, operational system development and software and digital technology pilot programs ^c	32,247,350	319,860	0	31,927,490	0	0	0

* = amount greater than \$0 but less than \$500.

FFRDC = federally funded research and development center; RDT&E = research, development, test, and evaluation.

^a Federal agencies' activities cover costs associated with the administration of federal R&D performance and R&D procurements from nonfederal performers by federal personnel, transfers of funds to other federal agencies for purposes related to R&D, and actual federal performance.^b Higher education includes both public and private institutions as well as University Affiliated Research Centers.^c Funding for Department of Defense's (DOD's) Operational System Development (Budget Activity 7) was first reported as a separate category for volume 66. As of volume 73, it was combined with funding for DOD's Software and Digital Technology Pilot Programs (Budget Activity 8).^d Other areas includes Baker Island, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Navassa Island, Palmyra Atoll, and Wake Island.^e Offices abroad includes both R&D and RDT&E performed or administered in foreign countries by the U.S. government.^f Undistributed includes DOD obligations for which the location of performance is not reported.**Note(s):**

Because of rounding, detail may not add to total. Geographic distribution of DOD development funding to businesses reflects location of prime contractors and not the numerous subcontractors who perform much of the R&D. See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2023–24.