

TABLE 10

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

(Dollars in millions)

Agency	Total	Intramural		Extramural				
		Federal agencies ^a	FFRDCs	United States and U.S. territories				Non-U.S. performers
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments	
Department of Defense								
RDT&E	133,262	30,302	3,295	90,019	5,971	3,369	25	281
Total research	11,578	2,706	661	3,918	3,265	935	3	90
Basic research	3,823	419	153	675	2,054	462	1	60
Applied research	7,755	2,287	508	3,243	1,211	474	2	30
Total experimental development ^c	74,312	21,671	1,754	46,088	2,413	2,174	22	190
Advanced technology	12,173	2,882	437	5,612	1,536	1,563	6	137
Major systems	62,139	18,788	1,317	40,475	877	611	16	54
Total operational system development and software and digital technology pilot programs ^d	47,372	5,926	879	40,013	293	259	*	1
Defense Advanced Research Projects Agency								
RDT&E	3,779	259	137	2,594	620	146	1	22
Total research	1,908	92	74	1,065	532	124	1	19
Basic research	464	10	25	185	208	31	0	6
Applied research	1,444	82	49	881	325	92	1	14
Total experimental development ^c	1,872	167	62	1,529	87	23	0	3
Advanced technology	1,634	84	62	1,375	87	23	0	3
Major systems	237	83	0	154	0	*	0	*
Total operational system development and software and digital technology pilot programs ^d	0	0	0	0	0	0	0	0
Defense Health Agency								
RDT&E	2,742	298	7	629	923	831	0	54
Total research	310	86	5	107	42	66	0	5
Basic research	49	18	1	20	2	8	0	*
Applied research	261	68	4	87	39	58	0	4
Total experimental development ^c	2,428	210	2	520	881	765	0	49
Advanced technology	2,040	120	2	287	872	715	0	44
Major systems	389	90	*	234	9	50	0	6
Total operational system development and software and digital technology pilot programs ^d	4	1	0	2	*	0	0	0
Department of the Air Force								
RDT&E	41,551	8,596	615	30,402	1,242	666	4	27
Total research	3,615	1,219	46	790	982	551	*	27
Basic research	1,388	88	0	32	872	369	0	27
Applied research	2,226	1,131	46	758	110	181	*	0
Total experimental development ^c	12,234	3,631	245	8,017	231	107	3	*

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Advanced technology	1,409	472	0	830	83	21	3	0
Major systems	10,825	3,159	245	7,187	148	86	*	*
Total operational system development and software and digital technology pilot programs ^d	25,703	3,746	324	21,595	29	9	*	0
Department of the Army								
RDT&E	15,805	3,739	176	10,294	781	799	*	16
Total research	2,165	243	59	1,183	582	88	0	11
Basic research	602	9	40	223	302	19	0	9
Applied research	1,563	234	19	960	281	69	0	1
Total experimental development ^c	12,304	3,007	113	8,357	192	630	*	6
Advanced technology	1,724	316	14	1,001	151	241	0	2
Major systems	10,580	2,690	99	7,356	42	389	*	4
Total operational system development and software and digital technology pilot programs ^d	1,336	490	4	754	6	82	0	0
Department of the Navy								
RDT&E	25,207	9,596	385	13,315	1,554	298	3	56
Total research	1,946	694	17	291	849	67	1	26
Basic research	718	215	2	39	438	9	1	15
Applied research	1,228	479	15	253	410	59	1	11
Total experimental development ^c	19,356	7,772	285	10,569	542	157	1	29
Advanced technology	1,144	374	13	500	136	108	1	12
Major systems	18,212	7,399	272	10,069	405	49	*	17
Total operational system development and software and digital technology pilot programs ^d	3,905	1,130	83	2,455	163	73	0	1
Space Force								
RDT&E	14,576	746	352	13,364	83	22	6	3
Total research	0	0	0	0	0	0	0	0
Basic research	0	0	0	0	0	0	0	0
Applied research	0	0	0	0	0	0	0	0
Total experimental development ^c	8,216	576	291	7,267	52	21	6	3
Advanced technology	415	6	10	387	7	5	0	0
Major systems	7,800	570	281	6,880	45	16	6	3
Total operational system development and software and digital technology pilot programs ^d	6,360	170	62	6,096	31	1	0	*
Other defense agencies								
RDT&E	29,601	7,069	1,624	19,420	769	606	11	102
Total research	1,635	373	461	482	277	40	0	2

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Basic research	602	79	86	177	232	26	0	2
Applied research	1,033	293	375	305	45	14	0	0
Total experimental development ^c	17,902	6,308	756	9,829	428	471	11	100
Advanced technology	3,807	1,511	336	1,233	199	450	2	76
Major systems	14,095	4,797	420	8,596	228	21	9	24
Total operational system development and software and digital technology pilot programs ^d	10,064	389	407	9,110	64	95	0	0

* = amount greater than \$0 but less than \$500,000.

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 Department of Defense (DOD) development obligations have been reported in two categories, advanced technology and major systems, since volume 44 (FYs 1994–96). As of volume 66 (FYs 2016–17), the definition of major systems development was changed to represent DOD Budget Activities 4 through 6 instead of Budget Activities 4 through 7.^d Funding for 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).**Note(s):**

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. 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.