

TABLE 11

Preliminary Department of Defense obligations for research, development, test, and evaluation, by agency and performer: FY 2024

(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	140,876	32,296	3,506	94,122	6,127	3,933	20	871
Total research	11,834	2,739	683	4,069	3,299	953	3	88
Basic research	3,606	404	151	569	1,967	457	1	56
Applied research	8,228	2,335	531	3,500	1,332	496	2	32
Total experimental development ^c	81,167	23,185	1,945	50,461	2,562	2,215	17	783
Advanced technology	13,538	3,000	498	6,788	1,576	1,526	6	144
Major systems	67,629	20,184	1,447	43,673	985	689	11	639
Total operational system development and software and digital technology pilot programs ^d	47,875	6,372	878	39,592	266	765	0	1
Defense Advanced Research Projects Agency								
RDT&E	4,739	291	174	3,370	703	173	2	26
Total research	2,160	108	82	1,234	574	139	2	22
Basic research	398	9	21	158	178	27	0	5
Applied research	1,763	100	60	1,075	396	113	2	17
Total experimental development ^c	2,578	183	92	2,137	129	34	0	4
Advanced technology	2,410	123	92	2,027	129	34	0	4
Major systems	169	59	0	109	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	2,888	419	7	598	918	890	0	55
Total research	308	93	5	101	39	65	0	4
Basic research	47	18	1	18	2	8	0	0
Applied research	260	75	4	82	37	57	0	4
Total experimental development ^c	2,576	324	2	496	878	825	0	51
Advanced technology	2,244	236	2	321	867	773	0	45
Major systems	332	88	0	174	11	52	0	6
Total operational system development and software and digital technology pilot programs ^d	5	3	0	2	*	0	0	0
Department of the Air Force								
RDT&E	42,029	8,575	641	30,492	1,273	676	4	368
Total research	3,650	1,229	54	799	991	550	*	27
Basic research	1,398	87	4	33	878	369	0	27
Applied research	2,252	1,142	51	766	112	181	*	0
Total experimental development ^c	13,933	3,673	247	9,286	262	120	3	341

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Advanced technology	1,418	476	0	833	83	22	3	0
Major systems	12,515	3,197	247	8,453	179	98	*	341
Total operational system development and software and digital technology pilot programs ^d	24,446	3,673	341	20,407	20	6	0	0
Department of the Army								
RDT&E	17,091	4,043	181	11,100	842	909	*	16
Total research	2,260	264	57	1,254	581	94	0	10
Basic research	547	8	36	203	273	19	0	9
Applied research	1,712	256	20	1,051	308	75	0	1
Total experimental development ^c	13,540	3,304	121	9,117	255	736	*	6
Advanced technology	2,334	428	19	1,355	206	324	0	2
Major systems	11,205	2,876	102	7,762	50	412	*	4
Total operational system development and software and digital technology pilot programs ^d	1,291	475	4	729	6	78	0	0
Department of the Navy								
RDT&E	27,230	10,104	395	14,870	1,490	291	3	78
Total research	1,904	679	16	285	831	68	1	23
Basic research	703	210	2	38	429	10	1	13
Applied research	1,201	469	15	248	402	58	1	10
Total experimental development ^c	21,505	8,299	316	12,172	490	173	1	54
Advanced technology	1,221	386	36	520	145	121	1	12
Major systems	20,284	7,913	280	11,652	345	52	*	42
Total operational system development and software and digital technology pilot programs ^d	3,821	1,126	63	2,412	169	51	0	1
Space Force								
RDT&E	16,673	998	396	15,092	84	26	7	70
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	9,667	541	335	8,638	51	26	7	70
Advanced technology	452	16	18	403	6	9	0	0
Major systems	9,215	525	317	8,234	45	16	7	70
Total operational system development and software and digital technology pilot programs ^d	7,006	457	62	6,454	33	0	0	0
Other defense agencies								
RDT&E	30,226	7,866	1,711	18,601	818	967	6	257
Total research	1,553	366	468	397	283	36	0	2

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Basic research	514	73	87	120	207	24	0	2
Applied research	1,039	293	381	277	76	12	0	0
Total experimental development ^c	17,368	6,861	833	8,617	496	301	6	255
Advanced technology	3,459	1,334	331	1,328	141	243	2	80
Major systems	13,909	5,527	502	7,288	355	58	4	175
Total operational system development and software and digital technology pilot programs ^d	11,305	639	410	9,588	38	630	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.