

TABLE 11

Preliminary 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	139,019	36,855	4,151	89,410	5,879	2,351	28	345
Total research	11,933	4,260	929	3,049	2,981	615	20	78
Basic research	3,541	737	166	542	1,769	265	19	43
Applied research	8,392	3,524	763	2,507	1,211	350	2	35
Total experimental development ^c	76,932	28,092	2,177	42,259	2,548	1,598	7	251
Advanced technology	13,253	4,644	585	5,224	1,552	1,095	2	150
Major systems	63,679	23,448	1,591	37,035	996	503	5	101
Total operational system development ^d	50,155	4,503	1,045	44,102	350	138	0	16
Defense Advanced Research Projects Agency								
RDT&E	4,191	318	187	2,723	745	186	1	30
Total research	2,194	120	122	1,132	620	174	1	25
Basic research	517	18	28	166	237	57	0	12
Applied research	1,677	102	94	966	383	118	1	13
Total experimental development ^c	1,996	198	65	1,591	126	12	0	5
Advanced technology	1,840	149	65	1,483	126	12	0	5
Major systems	156	48	0	108	*	*	0	0
Total operational system development ^d	0	0	0	0	0	0	0	0
Defense Health Agency								
RDT&E	2,585	237	6	451	1,005	811	0	74
Total research	178	46	2	35	36	51	0	8
Basic research	14	2	*	3	2	7	0	0
Applied research	165	44	2	32	34	44	0	8
Total experimental development ^c	2,383	189	4	397	968	759	0	67
Advanced technology	2,107	123	4	239	953	722	0	67
Major systems	277	66	*	158	16	36	0	0
Total operational system development ^d	23	2	0	20	*	1	0	0
Department of the Air Force								
RDT&E	44,884	9,843	1,086	32,777	842	325	11	0
Total research	3,027	2,135	49	36	596	201	11	0
Basic research	994	261	0	24	535	164	11	0
Applied research	2,033	1,875	49	12	60	37	*	0
Total experimental development ^c	12,856	5,522	548	6,443	223	120	0	0
Advanced technology	1,003	847	10	69	34	43	0	0
Major systems	11,853	4,675	538	6,374	189	77	0	0
Total operational system development ^d	29,001	2,185	489	26,299	24	4	0	0

TABLE 11

Preliminary 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 the Army								
RDT&E	16,778	6,352	161	8,968	755	477	*	66
Total research	2,396	756	12	1,047	506	62	0	12
Basic research	620	127	*	167	301	16	0	9
Applied research	1,776	630	11	880	204	47	0	3
Total experimental development ^c	13,122	5,021	144	7,290	247	377	*	42
Advanced technology	2,464	906	27	1,246	140	132	0	13
Major systems	10,658	4,115	118	6,044	107	245	*	29
Total operational system development ^d	1,260	574	5	631	2	37	0	11
Department of the Navy								
RDT&E	25,767	10,755	332	12,571	1,696	317	9	87
Total research	2,355	788	27	417	1,000	83	9	31
Basic research	879	271	1	43	524	13	8	19
Applied research	1,475	517	25	374	476	70	1	11
Total experimental development ^c	19,727	8,805	255	9,913	525	173	*	55
Advanced technology	1,209	421	12	516	138	121	0	1
Major systems	18,518	8,384	243	9,397	387	53	*	54
Total operational system development ^d	3,686	1,162	50	2,242	171	60	0	1
Space Force								
RDT&E	14,566	830	350	13,259	102	20	5	*
Total research	156	97	12	47	0	0	0	0
Basic research	55	4	4	47	0	0	0	0
Applied research	101	93	8	0	0	0	0	0
Total experimental development ^c	8,470	567	294	7,509	76	20	5	0
Advanced technology	430	29	10	366	26	0	0	0
Major systems	8,040	538	284	7,143	50	20	5	0
Total operational system development ^d	5,940	166	44	5,703	26	*	0	*
Other defense agencies								
RDT&E	30,248	8,520	2,029	18,660	734	214	2	88
Total research	1,626	317	706	335	223	43	0	3
Basic research	461	55	133	93	170	9	0	3
Applied research	1,165	262	573	242	53	34	0	*
Total experimental development ^c	18,377	7,790	867	9,117	383	136	2	82
Advanced technology	4,200	2,169	459	1,305	137	64	2	64
Major systems	14,177	5,621	408	7,812	246	72	*	18
Total operational system development ^d	10,246	413	457	9,208	128	35	0	4

* = 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 include 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.

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 2022–23.