

**Table 11. Preliminary Department of Defense obligations for research, development, test, and evaluation, by agency and performer: FY 2025**

(Dollars in millions)

Agency	Total	Intramural		Extramural				
		Federal agencies <sup>a</sup>	FFRDCs	United States and U.S. territories				Non-U.S. performers
				Businesses	Higher education <sup>b</sup>	Nonprofit organizations	State and local governments	
Department of Defense								
RDT&E	140,938	34,073	3,839	94,226	5,477	2,967	18	338
Total research	11,239	3,622	851	3,386	2,721	597	1	62
Basic research	3,014	343	69	1,044	1,353	181	*	24
Applied research	8,226	3,279	782	2,343	1,368	416	*	38
Total experimental development <sup>c</sup>	82,114	25,426	2,411	49,247	2,520	2,223	15	271
Advanced technology	11,504	2,877	254	5,153	1,558	1,514	3	144
Major systems	70,610	22,549	2,157	44,094	962	709	12	127
Total Operational System Development and Software and Digital Technology Pilot Programs <sup>d</sup>	47,585	5,025	578	41,593	236	147	2	5
Defense Advanced Research Projects Agency								
RDT&E	4,404	291	157	3,051	719	162	0	24
Total research	2,101	131	115	1,236	485	119	0	16
Basic research	398	16	13	180	141	46	0	2
Applied research	1,703	115	101	1,056	343	74	0	13
Total experimental development <sup>c</sup>	2,303	160	43	1,814	234	43	0	8
Advanced technology	2,121	91	43	1,702	234	43	0	8
Major systems	182	69	0	112	*	*	0	*
Total Operational System Development and Software and Digital Technology Pilot Programs <sup>d</sup>	0	0	0	0	0	0	0	0
Defense Health Agency								
RDT&E	2,509	444	21	582	678	711	*	74
Total research	510	206	10	107	47	129	*	11
Basic research	40	22	1	10	1	6	0	*
Applied research	471	184	9	97	46	123	*	11
Total experimental development <sup>c</sup>	1,999	237	11	474	631	582	0	63
Advanced technology	1,639	132	3	278	622	549	0	54
Major systems	360	105	8	196	8	33	0	9
Total Operational System Development and Software and Digital Technology Pilot Programs <sup>d</sup>	*	*	0	0	0	0	0	0
Department of the Air Force								
RDT&E	62,535	10,917	1,167	48,873	1,102	382	11	83
Total research	3,439	2,088	58	511	612	169	*	1
Basic research	996	45	0	500	368	82	*	0
Applied research	2,444	2,043	58	11	244	87	*	1

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Total experimental development <sup>c</sup>	26,795	6,333	684	19,042	442	203	8	83
Advanced technology	1,758	456	22	1,044	171	64	1	0
Major systems	25,036	5,877	661	17,998	270	139	8	83
Total Operational System Development and Software and Digital Technology Pilot Programs <sup>d</sup>	32,301	2,496	426	29,319	48	10	2	*
Air Force								
RDT&E	44,901	9,822	634	33,095	989	357	3	1
Total research	3,401	2,050	58	511	612	169	*	1
Basic research	958	7	0	500	368	82	*	0
Applied research	2,444	2,043	58	11	244	87	*	1
Total experimental development <sup>c</sup>	16,175	5,564	289	9,791	353	178	1	0
Advanced technology	1,331	434	0	676	157	63	1	0
Major systems	14,844	5,129	289	9,115	196	115	0	0
Total Operational System Development and Software and Digital Technology Pilot Programs <sup>d</sup>	25,325	2,208	288	22,793	24	10	2	*
Space Force								
RDT&E	17,634	1,095	533	15,777	112	26	8	83
Total research	38	38	0	0	0	0	0	0
Basic research	38	38	0	0	0	0	0	0
Applied research	0	0	0	0	0	0	0	0
Total experimental development <sup>c</sup>	10,620	769	395	9,251	88	25	8	83
Advanced technology	427	21	22	369	14	*	0	0
Major systems	10,193	748	372	8,883	74	25	8	83
Total Operational System Development and Software and Digital Technology Pilot Programs <sup>d</sup>	6,976	288	138	6,526	24	1	0	0
Department of the Army								
RDT&E	15,731	4,509	181	9,263	853	909	*	16
Total research	1,604	264	57	587	592	94	0	10
Basic research	494	8	36	139	284	19	0	9
Applied research	1,109	256	20	448	308	75	0	1
Total experimental development <sup>c</sup>	12,866	3,771	121	7,977	255	736	*	6
Advanced technology	1,509	895	19	64	206	324	0	2
Major systems	11,356	2,876	102	7,913	50	412	*	4
Total Operational System Development and Software and Digital Technology Pilot Programs <sup>d</sup>	1,262	475	4	699	6	78	0	0

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Department of the Navy								
RDT&E	26,374	9,792	563	14,390	1,363	218	*	48
Total research	1,968	648	10	474	757	56	*	22
Basic research	660	222	2	45	371	7	*	12
Applied research	1,308	426	8	429	386	49	*	9
Total experimental development <sup>c</sup>	20,513	7,856	429	11,563	503	140	*	22
Advanced technology	1,324	372	49	672	141	89	*	*
Major systems	19,189	7,484	379	10,892	362	51	*	21
Total Operational System Development and Software and Digital Technology Pilot Programs <sup>d</sup>	3,893	1,288	123	2,352	103	22	0	5
Other defense agencies								
RDT&E	29,385	8,120	1,750	18,069	762	584	6	92
Total research	1,617	285	601	471	228	29	0	3
Basic research	425	30	16	170	187	22	0	*
Applied research	1,191	255	585	301	41	7	0	3
Total experimental development <sup>c</sup>	17,639	7,068	1,125	8,376	455	519	6	89
Advanced technology	3,153	931	117	1,394	183	446	2	80
Major systems	14,486	6,138	1,007	6,982	272	73	4	10
Total Operational System Development and Software and Digital Technology Pilot Programs <sup>d</sup>	10,129	767	25	9,223	80	36	0	0

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

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

<sup>a</sup> 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.<sup>b</sup> Higher education includes both public and private institutions as well as University Affiliated Research Centers.<sup>c</sup> 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.<sup>d</sup> 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. For additional notes associated with the agencies listed in this table, see technical table A-2 at <https://ncses.nsf.gov/surveys/federal-funds-research-development/2024-2025#technical-tables>.**Source(s):**

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2024–25.