

Table 10. 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	144,421	35,794	3,728	96,301	5,467	2,473	15	642
Total research	13,187	5,835	818	3,657	2,270	540	2	64
Basic research	4,693	2,356	57	1,090	1,004	165	*	22
Applied research	8,494	3,480	762	2,567	1,266	376	2	42
Total experimental development ^c	84,669	24,739	2,321	52,427	2,766	1,832	13	573
Advanced technology	13,658	2,677	274	7,444	1,734	1,375	2	153
Major systems	71,012	22,061	2,047	44,984	1,032	457	10	420
Total Operational System Development and Software and Digital Technology Pilot Programs ^d	46,564	5,220	589	40,217	431	101	*	6
Defense Advanced Research Projects Agency								
RDT&E	4,177	298	141	2,916	653	146	0	22
Total research	1,810	112	98	1,063	419	103	0	14
Basic research	352	14	12	159	125	40	0	2
Applied research	1,457	98	87	904	294	63	0	12
Total experimental development ^c	2,367	186	42	1,853	234	43	0	8
Advanced technology	2,116	91	42	1,698	234	43	0	8
Major systems	251	96	0	155	*	*	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	3,217	494	18	709	911	983	*	101
Total research	600	214	9	125	66	169	*	18
Basic research	49	29	1	13	1	4	0	1
Applied research	551	185	7	112	65	165	*	17
Total experimental development ^c	2,615	279	10	584	846	814	0	83
Advanced technology	2,195	154	5	354	832	780	0	71
Major systems	420	125	5	231	13	34	0	12
Total Operational System Development and Software and Digital Technology Pilot Programs ^d	2	2	0	0	*	0	0	0
Department of the Air Force								
RDT&E	60,589	11,724	1,160	46,129	1,105	391	8	71
Total research	5,073	3,750	51	492	613	166	*	1
Basic research	2,716	1,786	0	481	367	82	*	0
Applied research	2,357	1,964	51	11	246	84	*	1

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Total experimental development ^c	25,179	5,342	656	18,468	424	212	7	71
Advanced technology	1,704	441	18	1,013	160	71	1	*
Major systems	23,476	4,901	638	17,455	263	141	7	71
Total Operational System Development and Software and Digital Technology Pilot Programs ^d	30,337	2,632	454	27,169	68	13	*	*
Air Force								
RDT&E	44,103	10,607	604	31,557	987	346	1	1
Total research	5,042	3,719	51	492	613	166	*	1
Basic research	2,684	1,754	0	481	367	82	*	0
Applied research	2,357	1,964	51	11	246	84	*	1
Total experimental development ^c	15,752	4,673	248	10,320	342	168	1	0
Advanced technology	1,282	418	0	650	152	62	1	0
Major systems	14,471	4,255	248	9,671	190	106	0	0
Total Operational System Development and Software and Digital Technology Pilot Programs ^d	23,310	2,216	305	20,745	32	12	*	*
Space Force								
RDT&E	16,485	1,117	556	14,572	118	45	7	71
Total research	31	31	0	0	0	0	0	0
Basic research	31	31	0	0	0	0	0	0
Applied research	0	0	0	0	0	0	0	0
Total experimental development ^c	9,427	669	407	8,148	82	44	7	71
Advanced technology	422	23	18	363	8	9	0	*
Major systems	9,005	646	390	7,784	73	35	7	71
Total Operational System Development and Software and Digital Technology Pilot Programs ^d	7,027	416	149	6,424	36	1	0	0
Department of the Army								
RDT&E	16,816	3,518	124	12,703	372	93	0	7
Total research	2,049	796	58	972	214	5	0	5
Basic research	524	267	31	222		0	0	5
Applied research	1,525	529	27	750	214	5	0	1
Total experimental development ^c	13,458	2,128	34	11,061	149	85	0	1
Advanced technology	2,218	159	7	1,949	100	2	0	1
Major systems	11,240	1,969	28	9,113	48	83	0	0
Total Operational System Development and Software and Digital Technology Pilot Programs ^d	1,308	594	32	670	9	3	0	1

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Department of the Navy								
RDT&E	28,086	11,526	428	14,366	1,507	202	*	56
Total research	2,047	672	11	494	789	58	*	23
Basic research	685	228	3	47	387	7	*	13
Applied research	1,362	444	8	447	402	51	*	10
Total experimental development ^c	21,943	9,587	343	11,363	531	91	*	28
Advanced technology	1,329	394	38	699	150	48	*	*
Major systems	20,614	9,193	305	10,664	381	43	*	28
Total Operational System Development and Software and Digital Technology Pilot Programs ^d	4,096	1,267	75	2,509	188	53	0	5
Other defense agencies								
RDT&E	31,537	8,234	1,856	19,477	918	658	7	387
Total research	1,608	292	591	512	169	38	2	4
Basic research	366	32	10	168	123	31	0	1
Applied research	1,242	260	581	343	46	7	2	3
Total experimental development ^c	19,108	7,216	1,236	9,097	583	587	5	382
Advanced technology	4,096	1,438	164	1,731	257	430	2	73
Major systems	15,011	5,778	1,072	7,366	326	157	4	309
Total Operational System Development and Software and Digital Technology Pilot Programs ^d	10,821	726	29	9,869	166	32	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. For additional notes associated with the agencies listed in this table, see technical table A-2 at <https://nces.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.