

TABLE 36

## Federal obligations for experimental development, by agency and performer: FY 2023

(Dollars in thousands)

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	
All agencies	84,808,714	23,298,513	4,813,768	50,841,316	3,238,460	2,287,597	99,017	230,042
Departments								
Department of Agriculture	304,196	261,715	0	0	35,726	2,709	3,085	960
Agricultural Marketing Service	6,638	3,133	0	0	399	0	3,075	32
Agricultural Research Service	174,424	146,704	0	0	24,305	2,477	11	928
Animal and Plant Health Inspection Service	22,329	11,430	0	0	10,899	0	0	0
Forest Service	95,668	95,668	0	0	0	0	0	0
National Agricultural Statistics Service	5,137	4,781	0	0	124	232	0	0
Department of Commerce	469,020	299,109	17,889	20,737	129,205	692	1,383	5
Census Bureau	133,152	133,152	0	0	0	0	0	0
National Institute of Standards and Technology	89,625	58,365	16,756	446	14,058	0	0	0
National Oceanic and Atmospheric Administration	240,760	107,591	1,133	18,799	111,157	692	1,383	5
National Telecommunications and Information Administration	5,482	0	0	1,492	3,990	0	0	0
Department of Defense, total experimental development	74,312,118	21,670,582	1,754,433	46,087,640	2,412,862	2,174,459	21,741	190,399
Defense Advanced Research Projects Agency	1,871,560	167,035	62,470	1,528,847	87,463	22,989	0	2,755
Defense Health Agency	2,428,431	210,247	2,051	520,326	881,260	765,235	0	49,312
Department of the Air Force	12,233,757	3,630,920	244,717	8,016,666	230,647	106,902	3,421	484
Department of the Army	12,304,407	3,006,603	112,915	8,357,075	192,451	629,546	8	5,808
Department of the Navy	19,356,146	7,772,453	285,304	10,568,733	541,563	157,469	1,422	29,202
Space Force	8,215,715	575,640	290,504	7,267,493	51,950	21,283	5,814	3,030
Other defense agencies	17,902,103	6,307,684	756,472	9,828,501	427,527	471,035	11,075	99,809
Department of Defense, advanced technology	12,173,355	2,882,224	437,236	5,612,309	1,535,552	1,563,350	6,059	136,625
Defense Advanced Research Projects Agency	1,634,182	83,659	62,470	1,374,890	87,463	22,957	0	2,742
Defense Health Agency	2,039,721	120,422	1,819	286,814	871,949	714,913	0	43,804
Department of the Air Force	1,408,827	471,526	0	829,893	82,783	21,304	3,320	0
Department of the Army	1,724,030	316,315	13,931	1,000,782	150,668	240,780	0	1,554
Department of the Navy	1,144,414	373,554	13,137	499,771	136,108	108,245	1,101	12,499
Space Force	415,316	5,927	9,847	387,409	7,333	4,800	0	0
Other defense agencies	3,806,864	1,510,820	336,031	1,232,750	199,248	450,351	1,637	76,027
Department of Defense, major systems	62,138,763	18,788,358	1,317,197	40,475,331	877,310	611,109	15,682	53,774
Defense Advanced Research Projects Agency	237,378	83,376	0	153,957	0	32	0	13
Defense Health Agency	388,709	89,825	232	233,511	9,311	50,322	0	5,508
Department of the Air Force	10,824,929	3,159,394	244,717	7,186,773	147,864	85,598	101	484
Department of the Army	10,580,377	2,690,288	98,983	7,356,293	41,783	388,766	8	4,254

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Department of the Navy	18,211,732	7,398,899	272,168	10,068,961	405,455	49,224	321	16,703
Space Force	7,800,399	569,713	280,657	6,880,084	44,618	16,483	5,814	3,030
Other defense agencies	14,095,239	4,796,864	420,441	8,595,751	228,279	20,684	9,438	23,782
Department of Education	88,965	0	0	14,364	41,958	23,530	9,113	0
Department of Energy	3,571,335	158,047	1,601,597	1,368,783	379,634	41,504	21,271	499
Advanced Research Projects Agency—Energy	235,264	3,973	24,229	117,034	82,586	7,442	0	0
Electricity Delivery and Energy Reliability	77,114	455	68,617	1,018	5,892	893	239	0
Energy Efficiency and Renewable Energy	1,700,732	11,374	960,095	399,023	277,680	32,120	20,440	0
Environmental Management	24,869	14	22,352	2,503	0	0	0	0
National Nuclear Security Administration	1,289,930	130,387	389,205	770,338	0	0	0	0
Defense Programs	472,600	70,691	281,512	120,397	0	0	0	0
Naval Nuclear Propulsion Program	700,073	58,525	0	641,548	0	0	0	0
Office of Defense Nuclear Nonproliferation	117,257	1,171	107,692	8,393	0	0	0	0
Nuclear Energy	200,248	10,968	97,803	77,601	12,607	179	592	499
Office of Cybersecurity, Energy Security, and Emergency Response	43,178	876	39,296	1,266	870	870	0	0
Department of Health and Human Services	46,635	38,799	0	1,084	3,835	2,291	0	626
Agency for Healthcare Research and Quality	36,055	36,055	0	0	0	0	0	0
Centers for Disease Control and Prevention	10,580	2,744	0	1,084	3,835	2,291	0	626
Department of Homeland Security	391,923	127,858	22,281	189,442	38,272	7,101	1,823	5,145
Countering Weapons of Mass Destruction Office	28,385	0	14,270	14,115	0	0	0	0
Cybersecurity and Infrastructure Security Agency	4,563	48	0	0	0	4,514	0	0
Science and Technology Directorate	323,416	122,557	4,931	149,100	38,272	1,587	1,823	5,145
Secret Service	3,560	2,252	80	1,227	0	0	0	0
Transportation Security Administration	32,000	3,000	3,000	25,000	0	1,000	0	0
Department of the Interior	40,932	31,373	1	2,470	6,441	180	466	0
Bureau of Land Management	255	83	1	0	64	97	10	0
Bureau of Reclamation	4,053	767	0	1,458	1,435	0	393	0
Bureau of Safety and Environmental Enforcement	2,923	728	0	667	1,476	52	0	0
Geological Survey	33,701	29,795	0	344	3,467	32	63	0
Department of Justice	12,523	1,951	0	1,760	5,983	2,004	824	0
Bureau of Prisons	11	1	0	0	0	0	10	0
Office of Justice Programs	12,511	1,950	0	1,760	5,983	2,004	813	0
Department of State	17,367	17,367	0	0	0	0	0	0
Department of Transportation	267,608	46,214	73,738	94,370	13,227	1,208	38,851	0

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Federal Aviation Administration	207,809	32,316	73,436	89,565	12,138	245	110	0
Federal Highway Administration	42,420	4,309	0	0	0	0	38,111	0
Federal Motor Carrier Safety Administration	5,642	4,512	0	1,041	0	90	0	0
Federal Railroad Administration	3,987	677	52	2,415	506	290	46	0
Federal Transit Administration	2,120	370	0	0	583	583	583	0
Pipeline and Hazardous Materials Safety Administration	5,630	4,030	250	1,350	0	0	0	0
Department of the Treasury	52,769	2,938	6,000	23,149	0	0	0	20,682
Bureau of Engraving and Printing	51,809	1,978	6,000	23,149	0	0	0	20,682
Mint	960	960	0	0	0	0	0	0
Department of Veterans Affairs	35,781	35,781	0	0	0	0	0	0
Other agencies								
Agency for International Development	52,106	5,437	0	6,950	18,135	15,685	0	5,900
Environmental Protection Agency	127,623	63,879	0	63,745	0	0	0	0
Library of Congress	2,509	2,509	0	0	0	0	0	0
National Aeronautics and Space Administration	4,922,303	534,953	1,337,829	2,881,261	153,180	8,794	460	5,826
Tennessee Valley Authority	93,000	0	0	85,560	0	7,440	0	0

FFRDC = federally funded research and development center.

<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.**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.