

TABLE 8

Preliminary federal obligations for research and experimental development, by agency and performer: FY 2023

(Dollars in millions)

Agency	Total R&D	Intramural		Extramural				Non-U.S. performers
		Federal agencies ^a	FFRDCs	United States and U.S. territories				
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments	
All agencies	186,448	52,795	17,459	57,898	45,431	11,174	895	797
Departments								
Department of Agriculture	3,487	2,105	0	40	1,280	47	10	5
Agricultural Marketing Service	9	9	0	0	*	0	0	0
Agricultural Research Service	1,858	1,664	0	0	173	17	*	5
Animal and Plant Health Inspection Service	49	34	0	0	14	0	0	0
Economic Research Service	93	86	0	0	4	2	0	0
Forest Service	307	270	0	*	29	3	5	*
National Agricultural Statistics Service	11	11	0	0	*	1	0	0
National Institute of Food and Agriculture	1,145	15	0	40	1,059	25	6	*
Natural Resources Conservation Service	16	16	0	0	0	0	0	0
Department of Commerce	2,805	1,792	24	345	572	68	3	1
Census Bureau	312	312	0	0	0	0	0	0
National Institute of Standards and Technology	1,364	853	13	316	131	50	*	1
National Oceanic and Atmospheric Administration	1,116	614	11	29	441	17	3	*
National Telecommunications and Information Administration	13	13	0	0	0	0	0	0
Department of Defense	88,865	32,352	3,105	45,308	5,529	2,213	28	329
Defense Advanced Research Projects Agency	4,191	318	187	2,723	745	186	1	30
Defense Health Agency	2,562	235	6	432	1,004	810	0	74
Department of the Air Force	15,883	7,658	597	6,479	818	321	11	0
Department of the Army	15,518	5,777	156	8,338	753	440	*	54
Department of the Navy	22,082	9,593	282	10,329	1,525	257	9	86
Space Force	8,626	664	305	7,556	76	20	5	0
Other defense agencies	20,003	8,107	1,572	9,452	606	179	2	84
Department of Education	354	0	0	30	169	117	38	0
Department of Energy	15,106	1,449	10,480	1,946	984	209	36	3
Advanced Research Projects Agency—Energy	470	2	58	221	171	18	0	0
Electricity Delivery and Energy Reliability	156	4	112	18	11	11	*	0
Energy Efficiency and Renewable Energy	1,762	17	1,091	334	204	112	4	0
Environmental Management	43	0	35	8	0	*	0	0
Fossil Energy	938	730	91	0	80	37	*	1
National Nuclear Security Administration	4,182	522	2,477	1,076	99	9	0	0
Defense Programs	2,938	460	2,115	277	78	9	0	0
Naval Nuclear Propulsion Program	841	59	1	781	1	0	0	0
Office of Defense Nuclear Nonproliferation	402	3	361	18	20	0	0	0
Nuclear Energy	1,118	59	764	211	75	7	*	2

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Office of Cybersecurity, Energy Security, and Emergency Response	63	0	46	0	17	0	0	0	
Office of Science	6,375	116	5,807	78	328	16	31	0	
Department of Health and Human Services	49,270	9,531	765	3,239	27,721	7,113	580	320	
Administration for Children and Families	9	*	0	0	2	8	0	0	
Administration for Community Living	113	0	0	3	89	20	*	0	
Agency for Healthcare Research and Quality	374	83	0	144	116	30	*	0	
Agency for Toxic Substances and Disease Registry	12	0	0	0	8	3	1	*	
Biomedical Advanced Research and Development Authority	818	143	0	484	42	137	0	12	
Centers for Disease Control and Prevention	459	87	1	45	214	51	36	25	
Centers for Medicare and Medicaid Services	427	0	0	8	2	9	408	0	
Food and Drug Administration	630	445	0	16	92	65	3	9	
Health Resources and Services Administration	50	2	0	2	41	4	0	0	
National Institutes of Health	46,341	8,768	765	2,509	27,115	6,779	131	274	
Office of the Secretary of Health and Human Services	38	2	0	27	*	9	0	0	
Office of the Assistant Secretary for Planning and Evaluation	38	2	0	27	*	9	0	0	
Department of Homeland Security	544	192	63	232	32	23	*	2	
Coast Guard	7	0	0	7	0	0	0	0	
Countering Weapons of Mass Destruction Office	65	8	22	23	12	0	0	0	
Cybersecurity and Infrastructure Security Agency	9	5	0	0	*	4	0	0	
Science and Technology Directorate	459	177	41	201	20	19	*	2	
Secret Service	4	3	0	1	0	0	0	0	
Transportation Security Administration	*	0	*	*	*	*	0	0	
Department of the Interior	1,044	910	*	25	81	8	19	*	
Bureau of Indian Affairs	5	0	0	0	0	0	5	0	
Bureau of Land Management	13	7	*	*	4	2	*	0	
Bureau of Ocean Energy Management	88	70	0	8	4	4	2	*	
Bureau of Reclamation	44	30	0	6	7	0	1	*	
Bureau of Safety and Environmental Enforcement	17	2	0	10	5	*	0	0	
Fish and Wildlife Service	44	44	0	0	0	0	0	0	
Geological Survey	803	742	0	1	47	1	11	0	

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National Park Service	28	14	0	0	14	0	0	0
Department of Justice	139	7	0	29	55	47	1	0
Bureau of Prisons	*	*	0	0	0	0	*	0
Federal Bureau of Investigation	21	0	0	21	0	0	0	0
Office of Justice Programs	118	7	0	9	55	47	1	0
Department of Labor	4	3	0	1	0	0	0	0
Employee Benefits Security Administration	2	1	0	1	0	0	0	0
Occupational Safety and Health Administration	2	2	0	0	0	0	0	0
Department of State	60	60	0	0	0	0	0	0
Department of Transportation	1,226	240	85	421	298	43	137	3
Federal Aviation Administration	486	84	81	242	69	8	0	2
Federal Highway Administration	463	72	2	84	180	13	113	0
Federal Motor Carrier Safety Administration	15	8	2	4	0	2	0	0
Federal Railroad Administration	44	12	0	17	9	6	0	*
Federal Transit Administration	49	13	0	0	12	0	24	0
National Highway Traffic Safety Administration	96	0	0	58	25	12	0	0
Office of the Secretary of Transportation	51	45	0	6	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	22	6	*	10	4	3	0	0
Department of the Treasury	72	3	8	27	0	1	0	34
Bureau of Engraving and Printing	72	3	8	27	0	1	0	34
Department of Veterans Affairs	1,930	1,855	74	0	0	0	0	0
Other agencies								
Agency for Global Media	8	1	0	7	0	0	0	0
Agency for International Development	221	23	0	19	53	55	0	70
Appalachian Regional Commission	1	0	0	*	0	*	0	0
Consumer Product Safety Commission	*	*	0	0	0	0	0	0
Environmental Protection Agency	572	286	0	205	65	16	0	0
Federal Trade Commission	10	10	0	0	0	0	0	0
Library of Congress	3	3	0	0	0	0	0	0
National Aeronautics and Space Administration	11,750	1,645	2,468	5,288	2,115	235	0	0
National Science Foundation	7,854	30	344	589	6,446	401	20	25
Nuclear Regulatory Commission	83	1	44	12	21	0	0	5

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Patient-Centered Outcomes Research Trust Fund	560	0	0	0	0	560	0	0
Postal Service	14	0	0	14	0	0	0	0
RESTORE Act Centers of Excellence Research Grants Program	23	0	0	0	0	0	23	0
Smithsonian Institution	242	242	0	0	0	0	0	0
Social Security Administration	106	53	0	34	9	10	0	0
Tennessee Valley Authority	94	0	0	87	0	8	0	0

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

FFRDC = federally funded research and development center.

^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.**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.