

TABLE 4

Federal obligations and outlays for research and experimental development, by agency: FYs 2022–23

(Dollars in millions)

Agency	Obligations		Outlays	
	2022	2023 (preliminary)	2022	2023 (preliminary)
All agencies	190,422	186,448	178,880	171,890
Departments				
Department of Agriculture	3,135	3,487	2,849	3,562
Agricultural Marketing Service	10	9	5	5
Agricultural Research Service	1,651	1,858	1,494	2,043
Animal and Plant Health Inspection Service	45	49	45	49
Economic Research Service	88	93	88	93
Forest Service	330	307	297	307
National Agricultural Statistics Service	11	11	11	11
National Institute of Food and Agriculture	986	1,145	908	1,054
Natural Resources Conservation Service	16	16	1	*
Department of Commerce	2,011	2,805	1,934	2,363
Census Bureau	202	312	202	312
National Institute of Standards and Technology	862	1,364	807	1,010
National Oceanic and Atmospheric Administration	936	1,116	914	1,028
National Telecommunications and Information Administration	11	13	11	13
Department of Defense	72,352	88,865	68,717	81,667
Defense Advanced Research Projects Agency	3,609	4,191	3,703	3,938
Defense Health Agency	2,136	2,562	2,112	2,013
Department of the Air Force	13,898	15,883	12,935	14,556
Department of the Army	12,060	15,518	11,284	14,418
Department of the Navy	17,488	22,082	16,425	20,100
Space Force	4,951	8,626	4,319	8,237
Other defense agencies	18,210	20,003	17,938	18,406
Department of Education	402	354	285	274
Department of Energy	13,697	15,106	12,461	13,626
Advanced Research Projects Agency—Energy	403	470	339	386
Electricity Delivery and Energy Reliability	114	156	111	141
Energy Efficiency and Renewable Energy	1,610	1,762	1,426	1,559
Environmental Management	36	43	22	26
Fossil Energy	559	938	610	771
National Nuclear Security Administration	4,011	4,182	3,942	3,866
Defense Programs	2,838	2,938	2,827	2,661
Naval Nuclear Propulsion Program	807	841	749	803
Office of Defense Nuclear Nonproliferation	366	402	366	402
Nuclear Energy	804	1,118	562	875
Office of Cybersecurity, Energy Security, and Emergency Response	37	63	*	*
Office of Science	6,124	6,375	5,449	6,001
Department of Health and Human Services	74,097	49,270	68,926	44,732
Administration for Children and Families	5	9	4	4
Administration for Community Living	107	113	107	113
Agency for Healthcare Research and Quality	350	374	350	374
Agency for Toxic Substances and Disease Registry	12	12	12	12
Biomedical Advanced Research and Development Authority	28,413	818	28,413	818
Centers for Disease Control and Prevention	565	459	232	190
Centers for Medicare and Medicaid Services	419	427	270	275
Food and Drug Administration	561	630	502	564
Health Resources and Services Administration	40	50	40	36
National Institutes of Health	43,589	46,341	38,962	42,309
Office of the Secretary of Health and Human Services	36	38	36	38

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Office of the Assistant Secretary for Planning and Evaluation	36	38	36	38
Department of Homeland Security	571	544	537	625
Coast Guard	7	7	7	7
Countering Weapons of Mass Destruction Office	66	65	66	65
Cybersecurity and Infrastructure Security Agency	6	9	6	9
Science and Technology Directorate	491	459	457	544
Secret Service	1	4	1	*
Transportation Security Administration	*	*	*	*
Department of the Interior	940	1,044	916	1,030
Bureau of Indian Affairs	5	5	5	5
Bureau of Land Management	12	13	12	13
Bureau of Ocean Energy Management	86	88	66	84
Bureau of Reclamation	28	44	28	44
Bureau of Safety and Environmental Enforcement	9	17	8	16
Fish and Wildlife Service	35	44	35	41
Geological Survey	737	803	737	803
National Park Service	28	28	25	25
Department of Justice	111	139	18	31
Bureau of Prisons	*	*	*	*
Federal Bureau of Investigation	9	21	9	21
Office of Justice Programs	102	118	9	11
Department of Labor	4	4	3	3
Employee Benefits Security Administration	2	2	1	1
Occupational Safety and Health Administration	2	2	2	2
Department of State	65	60	65	60
Department of Transportation	1,073	1,226	668	779
Federal Aviation Administration	478	486	222	308
Federal Highway Administration	383	463	263	237
Federal Motor Carrier Safety Administration	24	15	11	15
Federal Railroad Administration	36	44	41	44
Federal Transit Administration	13	49	27	27
National Highway Traffic Safety Administration	92	96	69	76
Office of the Secretary of Transportation	24	51	25	51
Pipeline and Hazardous Materials Safety Administration	24	22	9	22
Department of the Treasury	47	72	48	72
Bureau of Engraving and Printing	47	72	48	72
Department of Veterans Affairs	1,696	1,930	1,610	1,641
Other agencies				
Administrative Office of the U.S. Courts	1	0	1	0
Agency for Global Media	8	8	8	8
Agency for International Development	221	221	221	221
Appalachian Regional Commission	1	1	1	1
Consumer Product Safety Commission	*	*	*	*
Environmental Protection Agency	525	572	525	572
Federal Trade Commission	3	10	3	10
Library of Congress	3	3	3	3
National Aeronautics and Space Administration	11,623	11,750	12,137	12,900
National Science Foundation	6,896	7,854	5,989	6,592
Nuclear Regulatory Commission	61	83	82	95
Patient-Centered Outcomes Research Trust Fund	522	560	522	560

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Postal Service	14	14	14	14
RESTORE Act Centers of Excellence Research Grants Program	7	23	4	4
Smithsonian Institution	227	242	227	242
Social Security Administration	79	106	79	106
Tennessee Valley Authority	28	94	28	94

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

Note(s):

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations or outlays in variables represented by this table appear in the table. FY 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). 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.