

TABLE 7

Federal obligations for research and experimental development, by agency and performer: FY 2022

(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	190,422	70,780	15,381	50,205	42,179	10,136	925	818
Departments								
Department of Agriculture	3,135	1,845	0	36	1,187	51	10	6
Agricultural Marketing Service	10	10	0	0	0	0	0	0
Agricultural Research Service	1,651	1,392	0	0	230	22	*	6
Animal and Plant Health Inspection Service	45	30	0	0	14	0	0	0
Economic Research Service	88	78	0	0	5	5	0	0
Forest Service	330	297	0	1	24	3	5	*
National Agricultural Statistics Service	11	10	0	0	*	1	0	0
National Institute of Food and Agriculture	986	13	0	34	913	21	5	*
Natural Resources Conservation Service	16	15	0	0	1	0	0	0
Department of Commerce	2,011	1,421	20	105	428	33	2	2
Census Bureau	202	202	0	0	0	0	0	0
National Institute of Standards and Technology	862	668	13	65	97	17	*	2
National Oceanic and Atmospheric Administration	936	540	7	40	331	16	2	*
National Telecommunications and Information Administration	11	11	0	0	0	0	0	0
Department of Defense	72,352	26,647	3,023	36,103	4,622	1,692	26	240
Defense Advanced Research Projects Agency	3,609	299	156	2,355	619	154	*	25
Defense Health Agency	2,136	150	9	437	868	608	0	64
Department of the Air Force	13,898	7,150	564	5,101	765	308	10	0
Department of the Army	12,060	4,487	123	6,487	587	335	*	42
Department of the Navy	17,488	7,481	211	8,365	1,190	193	7	42
Space Force	4,951	414	275	4,206	35	15	6	0
Other defense agencies	18,210	6,666	1,684	9,152	558	81	2	67
Department of Education	402	0	0	34	192	130	45	0
Department of Energy	13,697	1,007	8,706	2,249	1,527	170	35	3
Advanced Research Projects Agency—Energy	403	2	49	190	147	15	0	0
Electricity Delivery and Energy Reliability	114	3	82	13	8	8	*	0
Energy Efficiency and Renewable Energy	1,610	15	997	305	209	80	4	0
Environmental Management	36	0	29	6	0	*	0	0
Fossil Energy	559	363	85	0	80	29	1	*
National Nuclear Security Administration	4,011	384	2,533	1,068	26	0	0	0
Defense Programs	2,838	321	2,211	295	10	0	0	0
Naval Nuclear Propulsion Program	807	56	2	749	1	0	0	0
Office of Defense Nuclear Nonproliferation	366	7	320	24	15	0	0	0
Nuclear Energy	804	42	549	152	54	5	*	2

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Office of Cybersecurity, Energy Security, and Emergency Response	37	0	16	0	21	0	0	0	
Office of Science	6,124	198	4,365	515	982	33	30	1	
Department of Health and Human Services	74,097	34,595	719	4,971	26,104	6,733	558	416	
Administration for Children and Families	5	*	0	0	2	3	0	0	
Administration for Community Living	107	0	0	5	77	24	*	0	
Agency for Healthcare Research and Quality	350	83	0	133	104	30	*	0	
Agency for Toxic Substances and Disease Registry	12	0	0	0	8	3	1	*	
Biomedical Advanced Research and Development Authority	28,413	25,769	0	2,322	46	155	0	121	
Centers for Disease Control and Prevention	565	96	0	101	248	62	30	29	
Centers for Medicare and Medicaid Services	419	0	0	8	2	8	400	0	
Food and Drug Administration	561	396	0	14	82	58	3	8	
Health Resources and Services Administration	40	2	0	2	31	6	0	0	
National Institutes of Health	43,589	8,247	719	2,360	25,504	6,377	123	258	
Office of the Secretary of Health and Human Services	36	2	0	25	*	8	0	0	
Office of the Assistant Secretary for Planning and Evaluation	36	2	0	25	*	8	0	0	
Department of Homeland Security	571	211	59	249	25	23	*	3	
Coast Guard	7	0	0	7	0	0	0	0	
Countering Weapons of Mass Destruction Office	66	9	21	30	5	0	0	2	
Cybersecurity and Infrastructure Security Agency	6	1	0	0	0	4	0	0	
Science and Technology Directorate	491	200	39	211	20	19	*	2	
Secret Service	1	1	0	*	0	0	0	0	
Transportation Security Administration	*	0	*	*	0	0	0	0	
Department of the Interior	940	833	*	20	64	6	15	1	
Bureau of Indian Affairs	5	0	0	0	0	0	5	0	
Bureau of Land Management	12	4	*	*	6	1	*	0	
Bureau of Ocean Energy Management	86	57	0	12	10	3	3	1	
Bureau of Reclamation	28	20	0	3	4	0	*	*	
Bureau of Safety and Environmental Enforcement	9	2	0	4	2	*	0	0	
Fish and Wildlife Service	35	35	0	0	0	0	0	0	
Geological Survey	737	696	0	1	32	1	7	0	

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National Park Service	28	17	0	0	11	*	0	0
Department of Justice	111	8	0	15	43	44	1	0
Bureau of Prisons	*	*	0	0	0	0	0	0
Federal Bureau of Investigation	9	*	0	7	1	0	0	0
Office of Justice Programs	102	8	0	8	42	44	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	65	65	0	0	0	0	0	0
Department of Transportation	1,073	210	80	404	120	55	200	3
Federal Aviation Administration	478	84	76	237	70	7	1	2
Federal Highway Administration	383	70	2	78	11	27	195	0
Federal Motor Carrier Safety Administration	24	9	2	11	0	1	0	0
Federal Railroad Administration	36	9	0	14	7	5	0	1
Federal Transit Administration	13	7	0	0	2	0	4	0
National Highway Traffic Safety Administration	92	0	0	56	24	12	0	0
Office of the Secretary of Transportation	24	22	0	2	0	0	0	0
Pipeline and Hazardous Materials Safety Administration	24	8	*	7	5	3	0	0
Department of the Treasury	47	3	9	15	0	1	0	21
Bureau of Engraving and Printing	47	3	9	15	0	1	0	21
Department of Veterans Affairs	1,696	1,622	74	0	0	0	0	0
Other agencies								
Administrative Office of the U.S. Courts	1	0	1	0	0	0	0	0
Agency for Global Media	8	1	0	8	0	0	0	0
Agency for International Development	221	23	0	19	53	54	0	71
Appalachian Regional Commission	1	0	0	*	*	*	0	0
Consumer Product Safety Commission	*	*	0	0	0	0	0	0
Environmental Protection Agency	525	273	1	194	46	11	0	0
Federal Trade Commission	3	3	0	0	0	0	0	0
Library of Congress	3	3	0	0	0	0	0	0
National Aeronautics and Space Administration	11,623	1,705	2,340	5,233	2,058	254	7	26
National Science Foundation	6,896	27	315	482	5,690	343	17	22

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Nuclear Regulatory Commission	61	1	32	8	16	1	0	4
Patient-Centered Outcomes Research Trust Fund	522	0	0	0	0	522	0	0
Postal Service	14	0	0	14	0	0	0	0
RESTORE Act Centers of Excellence Research Grants Program	7	0	0	0	0	0	7	0
Smithsonian Institution	227	227	0	0	0	0	0	0
Social Security Administration	79	47	0	21	4	7	0	*
Tennessee Valley Authority	28	0	0	22	0	6	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. Federal agency amounts for the Biomedical Advanced Research and Development Authority are transfers to the other agencies in support of Operation Warp Speed. 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.