TABLE 4

Federal obligations and outlays for research and experimental development, by agency: FYs 2021–22
(Dollars in millions)

Agency	Obligations		Outlays	
	2021	2022 (preliminary)	2021	2022 (preliminary
All agencies	190,151	189,059	174,529	179,31
Departments				
Department of Agriculture	2,898	3,266	2,593	3,25
Agricultural Marketing Service	13	15	7	
Agricultural Research Service	1,510	1,599	1,378	1,70
Animal and Plant Health Inspection Service	42	45	42	4
Economic Research Service	85	90	85	9
Forest Service	286	345	290	42
National Agricultural Statistics Service	9	11	9	1
National Institute of Food and Agriculture	937	1,148	779	97
Natural Resources Conservation Service	13	13	1	
Department of Commerce	1,813	2,043	1,689	1,77
Census Bureau	109	149	109	14
National Institute of Standards and Technology	885	891	769	83
National Oceanic and Atmospheric Administration	812	996	800	77
National Telecommunications and Information Administration	7	7	10	1
Department of Defense	70,707	75,473	63,275	68,40
Defense Advanced Research Projects Agency	3,606	3,809	3,508	3,70
Defense Health Agency	2,852	2,537	2,427	2,47
Department of the Air Force	12,390	13,245	10,563	10,33
Department of the Army	11,921	12,934	11,440	12,52
Department of the Navy	16,734	18,669	16,260	17,94
Space Force	5,342	4,593	4,393	4,16
Other defense agencies	17,863	19,686	14,686	17,25
Department of Education	364	407	214	32
Department of Energy	13,453	13,912	12,263	13,66
Advanced Research Projects Agency—Energy	315	450	308	37
Electricity Delivery and Energy Reliability	129	127	146	1,28
Energy Efficiency and Renewable Energy	2,114	2,062	1,513	1,59
Environmental Management	30	35	23	1,03
Fossil Energy	691	736	681	70
National Nuclear Security Administration	4,213	4,107	3,866	3,86
Defense Programs	2,703	2,492	2,384	2,28
•				
Naval Nuclear Propulsion Program Office of Defence Nuclear Nappreliferation	1,140	1,246	1,140	1,24
Office of Defense Nuclear Nonproliferation	369 455	368 479	342 455	
Nuclear Energy Office of Cyberges with Energy Security and Emergency Response	455		31	52
Office of Cybersecurity, Energy Security, and Emergency Response	_	120		
Office of Science	5,506	5,795	5,241	5,25
Department of Health and Human Services	76,651	69,153	72,664	67,67
Administration for Children and Families	5	4	5	
Administration for Community Living	107	111	107	11
Agency for Healthcare Research and Quality	338	350	338	35
Agency for Toxic Substances and Disease Registry	11	11	11	1
Biomedical Advanced Research and Development Authority	33,881	26,433	33,881	26,43
Centers for Disease Control and Prevention	696	661	299	28
Centers for Medicare and Medicaid Services	421	421	36	3
Food and Drug Administration	589	669	528	59
Health Resources and Services Administration	41	38	56	4
National Institutes of Health	40,546	40,436	37,386	39,78
Office of the Secretary of Health and Human Services	17	18	17	

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Federal obligations and outlays for research and experimental development, by agency: FYs 2021–22
(Dollars in millions)

	Obligations		Outlays	
gency	2021	2022 (preliminary)	2021	2022 (preliminary
Office of the Assistant Secretary for Planning and Evaluation	17	18	17	1
Department of Homeland Security	529	601	553	64
Coast Guard	10	7	10	
Countering Weapons of Mass Destruction Office	32	39	87	6
Cybersecurity and Infrastructure Security Agency	13	11	13	1
Science and Technology Directorate	444	506	411	51
Secret Service	1	2	3	
Transportation Security Administration	29	35	29	3
Department of the Interior	902	1,165	874	1,14
Bureau of Indian Affairs	5	4	5	
Bureau of Land Management	10	12	9	1
Bureau of Ocean Energy Management	77	84	70	7
Bureau of Reclamation	38	42	38	4
Bureau of Safety and Environmental Enforcement	21	16	14	1
Fish and Wildlife Service	33	33	23	2
Geological Survey	691	947	691	94
National Park Service	28	28	23	2
Department of Justice	85		11	1
Bureau of Prisons	*	*	*	
Federal Bureau of Investigation	4	5	4	
Office of Justice Programs	81	83	8	
Department of Labor	3		3	
Employee Benefits Security Administration	1	2	1	
Occupational Safety and Health Administration	2	2	2	
Department of State	64		64	6
Department of Transportation	1,108	1,096	642	77
Federal Aviation Administration	507	516	221	34
Federal Highway Administration	410	391	257	24
Federal Motor Carrier Safety Administration	13		3	_
Federal Railroad Administration	42	-	38	4
Federal Transit Administration	43		29	3
National Highway Traffic Safety Administration	66		60	
Office of the Secretary of Transportation	12		13	1
Pipeline and Hazardous Materials Safety Administration	16		21	2
Department of the Treasury	54		54	6
Bureau of Engraving and Printing	54		54	6
Mint	*	1	*	
Department of Veterans Affairs	1,698		1,475	1,62
Other agencies	1,090	1,001	1,473	1,02
Administrative Office of the U.S. Courts	4	1	4	
Agency for Global Media	5		5	
Agency for International Development	82	-	82	8
Appalachian Regional Commission	02	*		
· · ·	*		1 *	
Consumer Product Safety Commission				Er
Environmental Protection Agency	520		520	52
Federal Trade Commission	8		8	
Library of Congress	11.750	-	3	40.1
National Aeronautics and Space Administration	11,753		11,089	12,19
National Science Foundation	6,705		5,546	6,10
Nuclear Regulatory Commission	80	82	77	

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Federal obligations and outlays for research and experimental development, by agency: FYs 2021–22

(Dollars in millions)

	(	Obligations		Outlays	
Agency	2021	2022 (preliminary)	2021	2022 (preliminary)	
Patient-Centered Outcomes Research Trust Fund	460	481	460	481	
Postal Service	15	16	15	16	
RESTORE Act Centers of Excellence Research Grants Program	0	7	4	3	
Smithsonian Institution	63	95	219	228	
Social Security Administration	105	99	105	99	
Tennessee Valley Authority	17	41	17	41	

<sup>\* =</sup> 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. FYs 2021 and 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 2021-22.