

TABLE 81

Federal obligations for applied research, by agency: FYs 2015–24

(Dollars in millions)

Agency	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 (preliminary)
All agencies	32,298	34,812	36,600	38,392	41,101	43,758	43,648	48,416	54,273	51,147
Departments										
Department of Agriculture	1,204	1,221	1,251	1,270	1,350	1,225	1,362	1,443	1,627	1,677
Agricultural Marketing Service	3	3	4	4	4	3	7	10	7	7
Agricultural Research Service	453	458	468	480	517	569	604	660	698	751
Economic Research Service	85	85	86	86	86	82	85	88	93	91
Foreign Agricultural Service	*	*	*	0	0	0	0	0	NA	NA
Forest Service	176	191	182	169	170	172	154	161	166	162
Grain Inspection, Packers, and Stockyards Administration	6	6	*	na	na	na	na	na	na	na
National Agricultural Statistics Service	5	5	5	5	5	5	5	6	6	6
National Institute of Food and Agriculture	472	469	502	521	564	390	505	518	647	650
Natural Resources Conservation Service	NA	NA	NA	NA	NA	NA	1	1	10	10
Rural Business-Cooperative Service	4	4	3	4	4	3	0	0	NA	NA
Department of Commerce	922	906	1,056	1,001	1,029	1,110	1,228	1,417	1,577	1,611
Census Bureau	41	90	56	56	29	38	56	150	151	175
National Institute of Standards and Technology	399	377	445	449	450	466	507	507	506	568
National Oceanic and Atmospheric Administration	470	428	547	488	542	598	659	748	909	856
National Telecommunications and Information Administration	12	11	8	9	8	8	7	11	11	12
Department of Defense	4,558	4,913	5,068	5,263	5,758	6,416	6,901	7,016	7,755	8,228
Defense Advanced Research Projects Agency	1,125	1,158	1,118	1,222	1,265	1,524	1,336	1,358	1,444	1,763
Defense Health Agency	NA	NA	NA	NA	NA	153	115	135	261	260
Department of the Air Force	1,108	1,240	1,244	1,341	1,547	1,729	1,684	1,956	2,226	2,252
Department of the Army	942	1,060	1,233	1,217	1,462	1,383	1,372	1,290	1,563	1,712
Department of the Navy	845	924	971	953	935	1,057	1,023	1,077	1,228	1,201
Space Force	na	na	na	na	na	0	0	104	0	0
Other defense agencies	539	531	502	530	549	571	1,371	1,096	1,033	1,039
Department of Education	137	140	141	135	131	136	233	267	251	281
Department of Energy	4,181	4,880	5,084	5,507	6,295	5,024	5,277	5,001	6,104	5,746
Advanced Research Projects Agency–Energy	139	172	151	80	202	219	157	201	235	230
Bonneville Power Administration	3	3	4	NA	NA	NA	NA	NA	NA	NA
Electricity Delivery and Energy Reliability	57	67	74	82	72	65	50	53	55	72
Energy Efficiency and Renewable Energy	473	576	853	1,285	1,270	1,248	1,395	679	1,232	980
Environmental Management	8	10	10	13	9	7	10	12	12	13
Fossil Energy	194	225	224	629	626	645	689	559	1,012	1,000
National Nuclear Security Administration	2,637	3,127	2,997	2,556	3,568	2,279	2,485	2,672	2,664	2,666
Defense Programs	2,527	3,010	2,881	2,422	3,434	2,155	2,328	2,337	2,359	2,363

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Naval Nuclear Propulsion Program	0	0	0	0	0	0	0	191	141	151
Office of Defense Nuclear Nonproliferation	111	117	116	135	134	124	157	144	164	152
Nuclear Energy	597	631	688	763	378	392	346	657	636	649
Office of Cybersecurity, Energy Security, and Emergency Response	na	na	na	0	39	36	0	16	79	137
Office of Science	75	70	83	101	130	131	144	151	178	0
Department of Health and Human Services	15,120	16,483	16,977	18,561	19,255	22,425	21,210	25,861	29,744	26,662
Administration for Children and Families	2	3	2	3	2	2	5	5	7	7
Administration for Community Living	72	66	66	66	66	71	107	107	113	113
Advanced Research Projects Agency for Health	NA	NA	NA	NA	NA	NA	NA	NA	794	1,516
Agency for Healthcare Research and Quality	335	306	300	306	308	308	308	314	337	337
Agency for Toxic Substances and Disease Registry	2	2	3	2	7	10	11	12	19	6
Biomedical Advanced Research and Development Authority	NA	NA	NA	NA	0	0	0	2,644	5,913	1,926
Centers for Disease Control and Prevention	365	409	364	322	289	371	592	461	357	316
Centers for Medicare and Medicaid Services	24	30	29	231	133	224	0	0	0	0
Food and Drug Administration	376	486	375	478	493	464	589	561	710	707
Health Resources and Services Administration	25	24	27	34	30	32	30	32	47	46
National Institutes of Health	13,901	15,140	15,794	17,103	17,909	20,927	19,551	21,689	21,413	21,654
Office of the Secretary of Health and Human Services	18	18	17	17	17	16	17	36	34	35
Office of the Assistant Secretary for Planning and Evaluation	18	18	17	17	17	16	17	36	34	35
Department of Homeland Security	205	194	264	309	233	178	187	261	180	166
Coast Guard	6	7	6	6	6	1	3	2	5	5
Countering Weapons of Mass Destruction Office	26	25	23	9	26	18	15	26	26	27
Cybersecurity and Infrastructure Security Agency	na	na	na	7	13	7	9	3	3	1
Science and Technology Directorate	173	163	235	286	188	152	159	227	145	133
Transportation Security Administration	NA	NA	NA	0	0	0	1	2	0	0
Department of Housing and Urban Development	38	43	41	40	22	NA	NA	NA	NA	NA
Department of the Interior	627	672	668	570	608	614	668	691	430	424
Bureau of Indian Affairs	NA	NA	NA	5	5	*	5	5	5	5
Bureau of Land Management	15	17	17	13	13	14	9	9	11	8
Bureau of Ocean Energy Management	44	60	63	66	65	59	63	66	0	0
Bureau of Reclamation	7	19	23	17	17	19	18	18	28	26
Bureau of Safety and Environmental Enforcement	17	24	8	4	7	4	19	5	6	7
Fish and Wildlife Service	30	32	33	33	33	33	33	35	41	48
Geological Survey	506	512	515	424	459	476	495	527	334	324
National Park Service	8	8	9	9	9	9	27	27	5	5
Office of Surface Mining Reclamation and Enforcement	NA	NA	NA	0	*	1	0	NA	NA	NA

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Department of Justice	123	144	85	75	84	84	71	86	85	93
Bureau of Prisons	3	3	2	1	1	2	*	*	*	*
Federal Bureau of Investigation	0	0	0	3	1	5	4	9	6	6
Office of Justice Programs	121	141	83	71	82	77	67	77	78	87
Department of Labor	10	6	5	5	4	5	3	4	2	2
Employee Benefits Security Administration	7	5	3	3	3	3	1	2	2	2
Occupational Safety and Health Administration	3	1	2	2	2	2	2	2	NA	NA
Pension Benefit Guaranty Corporation	*	*	0	0	NA	NA	NA	NA	NA	NA
Department of State	2	2	2	62	62	30	40	38	33	22
Department of Transportation	663	625	696	751	746	900	839	806	868	889
Federal Aviation Administration	207	207	212	195	193	247	267	261	231	241
Federal Highway Administration	273	247	305	420	415	472	373	342	392	402
Federal Motor Carrier Safety Administration	8	10	11	9	8	9	11	21	9	11
Federal Railroad Administration	33	31	34	33	32	35	35	32	46	47
Federal Transit Administration	72	35	55	10	3	40	42	12	6	6
National Highway Traffic Safety Administration	63	87	69	76	76	69	66	92	93	109
Office of the Secretary of Transportation	2	4	3	3	8	12	30	24	57	56
Pipeline and Hazardous Materials Safety Administration	5	5	5	6	11	17	15	22	32	17
Department of the Treasury	72	81	1	27	36	44	41	37	0	0
Bureau of Engraving and Printing	9	14	0	27	36	44	41	37	0	0
Internal Revenue Service	64	65	0	0	0	0	NA	NA	NA	NA
Mint	*	2	1	0	*	*	*	0	0	0
Department of Veterans Affairs	416	458	395	792	849	918	936	941	1,038	1,134
Other agencies										
Administrative Office of the U.S. Courts	NA	7	8	7	6	5	4	1	NA	NA
Agency for Global Media	NA	NA	NA	NA	6	5	5	8	9	9
Agency for International Development	212	148	191	120	172	135	51	153	197	197
Appalachian Regional Commission	*	1	*	1	1	1	1	1	2	*
Consumer Product Safety Commission	2	2	2	1	1	*	*	*	*	*
Environmental Protection Agency	440	430	417	413	405	412	403	406	445	415
Federal Communications Commission	5	5	6	5	2	2	0	NA	NA	NA
Federal Trade Commission	2	3	6	6	6	6	8	3	3	10
Library of Congress	1	1	1	1	1	1	1	1	*	1
National Aeronautics and Space Administration	2,330	2,332	2,319	2,011	2,423	2,555	2,578	2,247	1,995	1,770
National Archives and Records Administration	1	1	1	1	1	0	NA	NA	NA	NA
National Science Foundation	696	760	779	760	784	889	934	1,033	1,185	1,087

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Nuclear Regulatory Commission	92	80	66	76	74	66	77	61	47	46
Patient-Centered Outcomes Research Trust Fund	152	115	884	492	578	470	460	522	553	543
Postal Service	28	29	73	53	27	18	15	14	7	6
RESTORE Act Centers of Excellence Research Grants Program	na	na	na	na	na	9	0	7	23	1
Social Security Administration	59	129	110	72	146	70	105	79	96	111
Tennessee Valley Authority	NA	NA	3	6	6	6	9	12	18	14

* = amount greater than \$0 but less than \$500,000. na = not applicable; agency or subagency did not exist as such or in that organization in that year. NA = not available; data were not collected at that level for that fiscal year.

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. FYs 2020, 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.