

**Table 73. Federal obligations for research and development, by agency: FYs 2016–25**

(Dollars in millions)

Agency	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025 (preliminary)
All agencies	115,833	118,975	129,425	142,424	167,403	189,640	190,466	186,076	194,243	194,056
Departments										
Department of Agriculture	2,358	2,418	2,479	2,637	2,644	2,898	3,135	3,529	3,493	3,294
Agricultural Marketing Service	7	7	7	8	7	13	10	13	29	18
Agricultural Research Service	1,144	1,170	1,201	1,292	1,424	1,510	1,651	1,744	1,787	1,790
Animal and Plant Health Inspection Service	40	39	39	39	40	42	45	48	77	72
Economic Research Service	85	86	86	86	82	85	88	93	91	91
Foreign Agricultural Service	*	*	0	0	0	0	0	NA	NA	NA
Forest Service	341	328	327	327	342	286	330	350	320	291
Grain Inspection, Packers, and Stockyards Administration	6	*	na	na	na	na	na	na	na	na
National Agricultural Statistics Service	9	9	9	9	9	9	11	11	8	9
National Institute of Food and Agriculture	721	774	805	871	738	937	986	1,249	1,090	1,000
Natural Resources Conservation Service	NA	NA	NA	NA	NA	13	16	21	91	23
Rural Business-Cooperative Service	4	3	4	4	3	0	0	NA	NA	NA
Department of Commerce	1,351	1,612	1,439	1,535	1,622	1,813	2,011	2,348	2,665	9,848
Census Bureau	200	220	110	96	111	109	202	284	360	360
National Institute of Standards and Technology	629	716	686	712	735	885	862	898	1,314	8,001
National Oceanic and Atmospheric Administration	511	668	634	719	768	812	936	1,149	966	1,072
National Telecommunications and Information Administration	11	8	9	8	8	7	11	16	26	415
Department of Defense	44,749	44,873	52,973	58,780	66,695	70,707	72,352	85,536	97,856	93,353
Defense Advanced Research Projects Agency	2,933	2,895	3,018	3,321	3,664	3,606	3,609	3,779	4,177	4,404
Defense Health Agency	NA	NA	NA	NA	2,870	2,852	2,136	2,738	3,215	2,509
Department of the Air Force	7,322	8,099	11,203	15,077	16,069	17,732	18,849	23,710	30,252	30,234
Air Force	7,322	8,099	11,203	15,077	11,683	12,390	13,898	15,494	20,794	19,576
Space Force	na	na	na	na	4,386	5,342	4,951	8,216	9,458	10,658
Department of the Army	6,372	7,531	8,581	10,275	10,786	11,921	12,060	14,470	15,507	14,470
Department of the Navy	16,644	15,236	15,446	15,341	19,114	16,734	17,488	21,302	23,990	22,481
Other defense agencies	11,477	11,112	14,725	14,766	14,191	17,863	18,210	19,537	20,716	19,255
Department of Education	244	262	266	236	240	364	402	372	457	457
Department of Energy	12,209	12,308	12,832	14,376	13,453	13,453	13,697	16,145	16,893	16,031
Advanced Research Projects Agency—Energy	299	274	160	405	438	315	403	471	496	460
Bonneville Power Administration	16	14	NA	NA	NA	NA	NA	NA	NA	NA
Electricity Delivery and Energy Reliability	112	133	146	138	140	129	114	139	164	178
Energy Efficiency and Renewable Energy	1,288	1,441	1,686	1,696	2,096	2,114	1,610	2,933	2,474	2,474
Environmental Management	30	31	38	26	22	30	36	37	33	39
Fossil Energy	609	605	662	659	679	691	559	1,012	1,484	1,160
National Nuclear Security Administration	4,568	4,435	4,057	5,741	3,984	4,213	4,011	4,078	4,483	4,213
Defense Programs	3,107	2,966	2,572	3,660	2,298	2,703	2,838	2,832	3,128	2,908

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Agency	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025 (preliminary)
Naval Nuclear Propulsion Program	1,216	1,220	1,206	1,789	1,387	1,140	807	841	958	906
Office of Defense Nuclear Nonproliferation	245	249	280	292	298	369	366	405	397	400
Nuclear Energy	763	891	1,116	606	573	455	804	836	941	691
Office of Cybersecurity, Energy Security, and Emergency Response	na	na	0	52	51	2	37	149	104	138
Office of Science	4,524	4,485	4,968	5,054	5,470	5,506	6,124	6,491	6,713	6,680
Department of Health and Human Services	32,216	33,774	36,911	39,191	60,006	76,651	74,097	52,528	48,793	47,719
Administration for Children and Families	3	2	3	2	2	5	5	7	11	11
Administration for Community Living	83	83	83	83	90	107	107	113	113	112
Advanced Research Projects Agency for Health	NA	NA	NA	NA	NA	NA	NA	794	1,039	1,097
Agency for Healthcare Research and Quality	334	324	334	338	338	338	350	374	374	374
Agency for Toxic Substances and Disease Registry	2	3	3	7	10	11	12	19	3	3
Biomedical Advanced Research and Development Authority	NA	NA	NA	736	15,666	33,881	28,413	5,913	1,489	819
Centers for Disease Control and Prevention	521	475	451	419	497	696	565	454	384	369
Centers for Medicare and Medicaid Services	30	29	231	133	224	421	419	35	20	20
Food and Drug Administration	486	375	478	493	464	589	561	710	733	667
Health Resources and Services Administration	41	46	36	33	35	41	40	81	86	80
National Institutes of Health	30,698	32,419	35,276	36,929	42,664	40,546	43,589	43,994	44,508	44,129
Office of the Secretary of Health and Human Services	18	17	17	17	16	17	36	34	35	37
Office of the Assistant Secretary for Planning and Evaluation	18	17	17	17	16	17	36	34	35	37
Department of Homeland Security	572	857	912	647	507	529	589	648	536	353
Coast Guard	23	22	22	20	5	10	7	7	8	10
Countering Weapons of Mass Destruction Office	63	69	30	81	37	32	66	67	52	15
Cybersecurity and Infrastructure Security Agency	na	na	7	13	8	13	6	8	0	1
Science and Technology Directorate	486	766	832	511	422	444	491	530	459	311
Secret Service	NA	NA	1	2	13	1	1	4	4	6
Transportation Security Administration	NA	NA	20	21	23	29	18	32	13	11
Department of Housing and Urban Development	67	64	62	61	NA	NA	NA	NA	NA	NA
Department of the Interior	857	863	766	827	837	902	940	516	494	446
Bureau of Indian Affairs	NA	NA	5	5	*	5	5	5	5	5
Bureau of Land Management	18	18	21	21	21	10	12	13	17	15
Bureau of Ocean Energy Management	72	76	78	86	73	77	86	0	NA	NA
Bureau of Reclamation	21	27	21	23	27	38	28	32	30	32
Bureau of Safety and Environmental Enforcement	27	11	5	9	8	21	9	10	9	6
Fish and Wildlife Service	32	33	33	33	33	33	35	41	48	6
Geological Survey	677	688	593	640	665	691	737	409	378	377
National Park Service	9	10	10	10	10	28	28	5	6	6
Office of Surface Mining Reclamation and Enforcement	NA	NA	0	*	1	0	NA	NA	NA	NA
Department of Justice	208	127	107	121	96	93	116	128	152	154

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Agency	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025 (preliminary)
Bureau of Prisons	11	10	6	7	8	8	5	13	9	8
Federal Bureau of Investigation	13	2	3	1	5	4	9	6	16	21
Office of Justice Programs	184	115	98	114	84	81	102	108	127	125
Department of Labor	10	5	5	4	5	3	4	2	2	2
Employee Benefits Security Administration	5	3	3	3	3	1	2	2	2	2
Occupational Safety and Health Administration	1	2	2	2	2	2	2	NA	NA	NA
Pension Benefit Guaranty Corporation	4	0	0	NA	NA	NA	NA	NA	NA	NA
Department of State	2	2	62	62	40	64	65	56	34	0
Department of Transportation	937	949	1,046	1,012	1,184	1,126	1,094	1,173	1,192	1,201
Federal Aviation Administration	403	399	375	387	432	507	478	439	396	408
Federal Highway Administration	332	352	491	452	512	410	383	435	437	431
Federal Motor Carrier Safety Administration	11	12	9	8	9	13	24	16	16	10
Federal Railroad Administration	41	44	47	39	46	42	36	50	35	22
Federal Transit Administration	35	55	10	3	40	43	13	8	51	7
National Highway Traffic Safety Administration	87	69	76	76	69	66	92	93	108	123
Office of the Secretary of Transportation	18	11	16	20	34	30	45	94	129	178
Pipeline and Hazardous Materials Safety Administration	10	7	22	28	41	16	24	38	21	22
Department of the Treasury	85	8	38	57	61	54	47	53	35	64
Bureau of Engraving and Printing	19	7	38	57	60	54	47	52	35	64
Internal Revenue Service	65	0	0	0	0	NA	NA	NA	NA	NA
Mint	2	1	0	*	*	*	0	1	*	*
Department of Veterans Affairs	695	682	1,349	1,508	1,565	1,698	1,696	1,916	1,869	1,880
Other agencies										
Administrative Office of the U.S. Courts	7	8	7	6	5	4	1	NA	NA	NA
Agency for Global Media	NA	NA	NA	6	5	5	8	9	9	0
Agency for International Development	193	192	167	221	194	82	221	252	252	0
Appalachian Regional Commission	1	*	1	1	1	1	1	2	1	*
Consumer Product Safety Commission	2	2	1	1	*	*	*	*	*	*
Environmental Protection Agency	508	494	487	485	489	520	525	572	535	535
Federal Communications Commission	5	7	5	2	2	0	NA	NA	NA	NA
Federal Trade Commission	3	6	6	6	6	8	3	3	1	*
Library of Congress	2	2	3	2	3	3	3	3	na	na
National Aeronautics and Space Administration	12,404	12,595	10,717	13,570	10,538	11,215	11,623	11,715	10,905	10,936
National Archives and Records Administration	1	1	1	1	0	NA	NA	NA	NA	NA
National Science Foundation	5,589	5,518	5,849	5,996	6,351	6,705	6,896	7,490	6,995	6,825
Nuclear Regulatory Commission	81	67	78	75	69	80	61	47	73	41
Patient-Centered Outcomes Research Trust Fund	115	884	492	578	470	460	522	553	605	583
Postal Service	29	73	53	27	18	15	14	7	5	3

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Agency	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025 (preliminary)
RESTORE Act Centers of Excellence Research Grants Program	na	na	na	na	9	0	7	23	7	5
Smithsonian Institution	206	208	228	236	210	63	227	242	168	182
Social Security Administration	129	110	72	146	70	105	79	96	97	58
Tennessee Valley Authority	NA	6	13	10	8	17	28	111	117	85

\* = amount greater than \$0 but less than \$500,000. na = not applicable; data were not collected at this level of detail for this agency or subagency. NA = not available; agency did not provide data.

**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. Beginning with FY 2016, the totals reported for development obligations represent a refinement to this category by more narrowly defining it to be "experimental development." Most notably, totals for development do not include the Department of Defense (DOD) Budget Activity 7 (Operational System Development) nor Budget Activity 8 (Software and Digital Technology Pilot Programs) obligations. Those funds, previously included in DOD's development obligation totals, support the development efforts to upgrade systems that have been fielded or have received approval for full-rate production and anticipate production funding in the current or subsequent fiscal year. Therefore, the data are not directly comparable with totals reported in previous years. 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). For additional notes associated with the agencies listed in this table, see technical table A-2 at <https://nces.nsf.gov/surveys/federal-funds-research-development/2024-2025#technical-tables>.

**Source(s):**

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.