

TABLE 111

Federal obligations for basic research, by agency: FYs 2012–21

(Dollars in millions)

Agency	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 (preliminary)
All agencies	30,958.9	29,779.4	31,587.9	31,527.1	32,292.7	33,271.5	36,195.1	40,017.3	41,546.6	41,231.3
Departments										
Department of Agriculture	851.4	844.2	907.7	924.5	934.9	965.2	986.2	1,056.5	1,163.8	1,236.1
Agricultural Research Service	544.9	507.2	560.9	565.8	572.2	585.2	600.3	646.2	711.8	793.5
Animal and Plant Health Inspection Service	0.0	17.7	19.0	19.5	19.6	18.8	18.1	18.8	19.1	21.0
Economic Research Service	6.9	6.5	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foreign Agricultural Service	0.2	0.2	0.1	0.2	*	*	0.0	0.0	0.0	0.0
Forest Service	84.9	96.5	89.7	84.6	90.5	88.5	84.3	84.7	84.8	73.3
National Agricultural Statistics Service	3.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Institute of Food and Agriculture	211.0	212.7	231.0	254.5	252.4	272.6	283.5	306.9	348.2	348.2
Department of Commerce	174.2	190.6	214.5	232.4	247.3	246.0	227.3	253.2	251.2	275.2
National Institute of Standards and Technology	174.2	190.6	214.5	232.4	247.3	246.0	227.3	253.2	251.2	275.2
Department of Defense	2,035.8	1,862.8	2,073.5	2,133.4	2,238.7	2,110.1	2,389.9	2,510.2	2,499.1	2,667.6
Defense Advanced Research Projects Agency	345.0	284.7	347.3	359.8	378.1	391.2	458.4	478.3	482.1	524.3
Defense Health Agency	na	na	NA	NA	NA	NA	NA	NA	10.7	10.4
Department of the Air Force	502.7	447.6	501.3	501.4	522.3	469.3	564.1	559.4	520.3	496.4
Department of the Army	418.1	397.9	435.8	448.9	461.8	450.4	471.9	494.7	524.0	553.0
Department of the Navy	587.8	555.6	610.9	620.4	636.9	569.2	596.1	655.7	640.9	719.2
Other defense agencies	182.1	177.2	178.2	202.9	239.8	230.0	299.3	322.1	321.1	364.4
Department of Education	6.8	24.4	25.0	22.4	23.2	32.7	54.6	57.3	53.7	42.1
Department of Energy	3,957.4	3,851.1	4,075.1	4,460.4	4,585.5	4,500.3	5,000.9	5,074.5	5,501.6	5,477.4
Bonneville Power Administration	4.6	9.0	4.8	4.3	4.3	5.5	0.0	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	6.3	3.6	4.2	6.5	2.7	6.0	12.6	14.6	13.0	12.9
Energy Efficiency and Renewable Energy	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fossil Energy	3.7	3.4	4.3	5.2	6.1	6.0	33.1	33.0	34.0	1.7
National Nuclear Security Administration	45.6	49.3	55.8	67.6	82.9	80.9	88.4	101.8	114.3	125.5
Defense Programs	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Defense Nuclear Nonproliferation	45.6	42.7	55.8	67.6	82.9	80.9	88.4	101.8	114.3	125.5
Nuclear Energy	0.0	0.0	0.0	42.6	34.6	0.0	0.0	0.0	0.0	0.0
Office of Cybersecurity, Energy Security, and Emergency Response	na	na	na	na	na	na	0.0	1.0	1.2	1.9
Office of Science	3,890.5	3,785.7	4,006.0	4,334.2	4,454.9	4,402.0	4,866.8	4,924.1	5,339.1	5,335.3
Department of Health and Human Services	15,977.4	15,288.3	16,005.2	15,076.9	15,645.3	16,700.1	18,240.9	19,099.8	21,809.0	21,759.2
Agency for Toxic Substances and Disease Registry	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
Centers for Disease Control and Prevention	73.6	57.6	70.6	95.2	84.8	72.1	64.0	77.2	69.6	56.8
Health Resources and Services Administration	2.6	2.4	2.2	2.6	2.5	3.0	2.7	2.6	2.4	2.4

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Agency	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 (preliminary)
National Institutes of Health	15,901.2	15,228.4	15,932.4	14,979.0	15,558.0	16,625.0	18,173.0	19,020.0	21,737.0	21,700.0
Department of Homeland Security	84.3	0.0	41.6	11.7	13.1	11.6	60.6	46.3	47.4	53.4
Countering Weapons of Mass Destruction Office	NA	NA	41.6	11.7	13.1	11.6	5.4	5.4	6.1	8.4
Science and Technology Directorate	84.3	0.0	0.0	0.0	0.0	0.0	55.2	40.9	41.3	45.0
Department of Housing and Urban Development	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.1	NA	NA
Department of the Interior	54.2	51.4	52.2	53.3	53.8	54.3	79.5	81.4	83.9	86.3
Bureau of Land Management	NA	NA	NA	0.0	0.0	0.0	0.9	0.9	0.0	0.0
Bureau of Safety and Environmental Enforcement	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.2	1.0	1.1
National Park Service	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	0.9	0.9
U.S. Geological Survey	54.2	51.4	52.2	53.3	53.8	54.3	77.1	79.5	82.0	84.3
Department of Justice	15.3	20.7	8.1	5.3	12.9	2.1	16.2	21.2	0.7	0.8
Federal Bureau of Investigation	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Justice Programs	15.3	16.5	8.1	5.3	12.9	2.1	16.2	21.2	0.7	0.8
Department of Transportation	8.4	7.2	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Highway Administration	8.4	7.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Transit Administration	0.0	0.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Treasury	0.1	0.1	0.2	0.2	1.9	0.0	11.1	10.3	5.6	0.0
Bureau of Engraving and Printing	0.1	0.1	0.2	0.2	1.9	0.0	11.1	10.3	5.5	0.0
U.S. Mint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.1	0.0
Department of Veterans Affairs	251.3	249.0	232.0	227.2	219.4	274.1	527.8	629.1	617.7	669.8
Other agencies										
Agency for International Development	0.0	9.0	0.7	0.0	0.0	0.8	0.0	0.0	0.1	0.1
Environmental Protection Agency	86.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Communications Commission	0.0	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	2,606.0	2,824.2	3,022.9	3,209.7	3,280.8	3,425.8	3,281.7	5,689.0	3,839.4	3,241.9
National Science Foundation	4,652.4	4,361.5	4,725.2	4,973.9	4,829.3	4,739.1	5,089.2	5,212.1	5,461.9	5,505.4
Nuclear Regulatory Commission	0.0	0.0	0.0	0.0	0.1	1.4	1.4	0.8	1.8	2.6
Smithsonian Institution	197.0	195.0	194.9	195.7	206.2	207.9	227.9	236.4	209.8	213.6

* = amount greater than \$0 but less than \$50,000. 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 and 2021 obligations include additional funding provided by supplemental COVID-19 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.