

TABLE 42

**Federal obligations for applied research, by agency and field of science and engineering: FY 2020**

(Dollars in thousands)

Agency	Total	Computer sciences and mathematics	Engineering	Environmental sciences	Life sciences	Physical sciences	Psychology	Social sciences	Other sciences nec
All agencies	43,758,135.4	3,387,917.5	10,324,132.3	1,872,519.8	21,720,001.5	1,906,879.2	1,664,157.3	697,896.4	2,184,631.6
Departments									
Department of Agriculture	1,224,571.1	6,389.8	61,953.6	6,635.8	971,775.8	45,482.6	0.0	132,333.4	0.0
Agricultural Marketing Service	3,476.3	0.0	0.0	0.0	3,476.3	0.0	0.0	0.0	0.0
Agricultural Research Service	569,411.5	740.2	5,124.7	2,505.4	523,118.4	36,556.2	0.0	1,366.6	0.0
Economic Research Service	81,718.0	0.0	0.0	0.0	0.0	0.0	0.0	81,718.0	0.0
Forest Service	172,456.5	651.3	4,757.8	2,580.4	136,076.0	1,646.8	0.0	26,744.3	0.0
National Agricultural Statistics Service	4,998.3	4,998.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Institute of Food and Agriculture	389,710.6	0.0	52,071.1	1,550.0	306,305.2	7,279.7	0.0	22,504.6	0.0
Rural Business-Cooperative Service	2,800.0	0.0	0.0	0.0	2,800.0	0.0	0.0	0.0	0.0
Department of Commerce	1,109,644.1	158,281.0	238,464.0	484,136.8	76,126.3	75,145.7	311.6	46,690.2	30,488.6
National Institute of Standards and Technology	466,253.3	146,317.3	221,454.0	8,966.7	22,065.2	50,958.7	140.1	482.4	15,868.9
National Oceanic and Atmospheric Administration	597,771.6	5,582.0	9,318.0	475,170.1	54,061.1	24,187.0	0.0	14,833.8	14,619.7
National Telecommunications and Information Administration	7,692.0	0.0	7,692.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	37,927.3	6,381.7	0.0	0.0	0.0	0.0	171.5	31,374.1	0.0
Department of Defense	6,416,163.1	2,021,857.6	2,236,322.4	263,815.6	765,008.3	440,295.7	66,576.6	40,971.3	581,315.6
Defense Advanced Research Projects Agency	1,524,182.0	743,624.5	432,621.5	57,148.4	242,384.1	25,851.1	7,768.9	0.0	14,783.5
Defense Health Agency	153,364.3	0.0	2,050.3	423.0	150,341.6	0.0	165.1	235.0	149.4
Department of the Air Force	1,728,512.4	822,963.7	625,439.3	2,525.3	15,386.9	150,725.2	538.8	368.1	110,565.1
Department of the Army	1,382,705.8	153,389.2	630,480.1	8,531.4	214,105.6	4,622.4	52,159.8	0.0	319,417.4
Department of the Navy	1,056,743.3	211,401.7	460,232.2	194,976.0	38,025.3	41,535.2	4,789.3	40,194.2	65,589.3
Other defense agencies	570,655.3	90,478.5	85,499.0	211.5	104,764.9	217,561.7	1,154.7	173.9	70,810.9
Department of Education	135,827.0	0.0	0.0	0.0	0.0	0.0	0.0	135,827.0	0.0
Department of Energy	5,023,578.5	761,374.1	3,130,609.7	76,914.5	39,003.2	995,780.7	0.0	77.9	19,818.3
Advanced Research Projects Agency—Energy	218,999.6	28,152.0	116,395.2	955.6	37,004.8	36,414.2	0.0	77.9	0.0
Electricity Delivery and Energy Reliability	65,313.5	0.0	65,313.5	0.0	0.0	0.0	0.0	0.0	0.0
Energy Efficiency and Renewable Energy	1,248,343.0	0.0	1,248,343.0	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Management	7,319.2	0.0	0.0	7,319.2	0.0	0.0	0.0	0.0	0.0
Fossil Energy	645,378.0	0.0	481,865.8	61,135.0	0.0	102,377.2	0.0	0.0	0.0
National Nuclear Security Administration	2,279,290.3	692,742.4	730,710.7	4,792.0	100.0	850,945.2	0.0	0.0	0.0
Defense Programs	2,154,972.6	681,075.8	715,094.3	0.0	0.0	758,802.5	0.0	0.0	0.0
Office of Defense Nuclear Nonproliferation	124,317.7	11,666.5	15,616.4	4,792.0	100.0	92,142.7	0.0	0.0	0.0

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Nuclear Energy	392,343.2	0.0	392,343.2	0.0	0.0	0.0	0.0	0.0	0.0
Office of Cybersecurity, Energy Security, and Emergency Response	35,759.0	35,759.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Science	130,832.7	4,720.8	95,638.2	2,712.7	1,898.5	6,044.2	0.0	0.0	19,818.3
Department of Health and Human Services	22,424,756.9	187,952.9	1,247,656.7	302,066.6	18,022,580.0	53,595.1	1,454,106.5	177,955.2	978,844.0
Administration for Children and Families	1,574.4	0.0	0.0	0.0	0.0	0.0	0.0	1,574.4	0.0
Administration for Community Living	70,814.9	0.0	0.0	0.0	0.0	0.0	0.0	70,814.9	0.0
Agency for Healthcare Research and Quality	308,145.0	43,388.9	803.0	0.0	172,573.6	0.0	7,799.5	20,813.1	62,767.0
Agency for Toxic Substances and Disease Registry	9,602.3	0.0	0.0	9,602.3	0.0	0.0	0.0	0.0	0.0
Centers for Disease Control and Prevention	371,169.4	0.0	0.0	94,950.0	266,098.5	0.0	0.0	312.0	9,808.9
Centers for Medicare and Medicaid Services	223,561.9	0.0	0.0	0.0	223,561.9	0.0	0.0	0.0	0.0
Food and Drug Administration	463,951.7	0.0	0.0	0.0	463,951.7	0.0	0.0	0.0	0.0
Health Resources and Services Administration	32,481.5	0.0	0.0	0.0	16,449.3	0.0	0.0	1,188.7	14,843.6
National Institutes of Health	20,927,000.0	144,564.0	1,246,853.7	197,514.4	16,879,944.9	53,595.1	1,446,307.0	66,796.3	891,424.5
Office of the Secretary of Health and Human Services	16,455.8	0.0	0.0	0.0	0.0	0.0	0.0	16,455.8	0.0
Office of the Assistant Secretary for Planning and Evaluation	16,455.8	0.0	0.0	0.0	0.0	0.0	0.0	16,455.8	0.0
Department of Homeland Security	177,854.9	11,438.3	55,057.7	203.1	70,329.4	23,941.3	14.5	0.0	16,870.5
Countering Weapons of Mass Destruction Office	17,846.6	8,422.5	0.0	0.0	323.6	9,100.5	0.0	0.0	0.0
Cybersecurity and Infrastructure Security Agency	6,954.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6,954.5
Science and Technology Directorate	151,568.8	2,870.8	53,935.4	0.0	70,005.8	14,840.8	0.0	0.0	9,916.1
U.S. Coast Guard	1,485.0	145.1	1,122.4	203.1	0.0	0.0	14.5	0.0	0.0
Department of the Interior	614,455.3	3,051.9	11,351.7	389,997.8	200,503.7	244.2	0.0	8,517.0	788.9
Bureau of Indian Affairs	*	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0
Bureau of Land Management	13,724.0	0.0	0.0	0.0	13,724.0	0.0	0.0	0.0	0.0
Bureau of Ocean Energy Management	59,254.3	3,051.9	0.0	47,686.9	0.0	0.0	0.0	7,984.7	530.8
Bureau of Reclamation	19,147.1	0.0	9,573.6	9,573.6	0.0	0.0	0.0	0.0	0.0
Bureau of Safety and Environmental Enforcement	4,205.7	0.0	1,778.2	2,169.4	0.0	0.0	0.0	0.0	258.1
National Park Service	9,365.1	0.0	0.0	4,296.9	4,291.7	244.2	0.0	532.3	0.0
Office of Surface Mining Reclamation and Enforcement	562.0	0.0	0.0	562.0	0.0	0.0	0.0	0.0	0.0

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U.S. Fish and Wildlife Service	32,650.0	0.0	0.0	0.0	32,650.0	0.0	0.0	0.0	0.0
U.S. Geological Survey	475,547.0	0.0	0.0	325,709.0	149,838.0	0.0	0.0	0.0	0.0
Department of Justice	83,797.4	5,485.4	1,757.7	871.4	11,236.4	6,403.9	1,641.2	51,380.4	5,021.1
Bureau of Prisons	1,804.0	0.0	0.0	0.0	0.0	0.0	0.0	1,804.0	0.0
Federal Bureau of Investigation	4,732.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,732.7
Office of Justice Programs	77,260.7	5,485.4	1,757.7	871.4	11,236.4	6,403.9	1,641.2	49,576.4	288.4
Department of Labor	4,748.3	0.0	0.0	0.0	0.0	0.0	0.0	4,748.3	0.0
Employee Benefits Security Administration	2,745.6	0.0	0.0	0.0	0.0	0.0	0.0	2,745.6	0.0
Occupational Safety and Health Administration	2,002.7	0.0	0.0	0.0	0.0	0.0	0.0	2,002.7	0.0
Department of State	30,000.0	0.0	0.0	0.0	28,000.0	0.0	0.0	2,000.0	0.0
Department of Transportation	900,214.7	37,039.1	725,884.4	34,727.1	7,923.9	2,627.9	17,585.1	1,738.1	72,689.1
Federal Aviation Administration	246,975.5	16,494.3	176,734.7	21,759.3	7,923.9	0.0	17,585.1	0.0	6,478.3
Federal Highway Administration	471,854.8	0.0	471,854.8	0.0	0.0	0.0	0.0	0.0	0.0
Federal Motor Carrier Safety Administration	8,918.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8,918.1
Federal Railroad Administration	34,762.8	0.0	33,024.7	0.0	0.0	0.0	0.0	1,738.1	0.0
Federal Transit Administration	40,153.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40,153.8
National Highway Traffic Safety Administration	68,862.5	20,235.2	19,066.4	12,967.8	0.0	0.0	0.0	0.0	16,593.0
Office of the Secretary of Transportation	12,139.9	0.0	12,139.9	0.0	0.0	0.0	0.0	0.0	0.0
Pipeline and Hazardous Materials Safety Administration	16,547.3	309.6	13,063.9	0.0	0.0	2,627.9	0.0	0.0	546.0
Department of the Treasury	44,022.9	0.0	115.2	0.0	0.0	43,907.7	0.0	0.0	0.0
Bureau of Engraving and Printing	43,907.7	0.0	0.0	0.0	0.0	43,907.7	0.0	0.0	0.0
U.S. Mint	115.2	0.0	115.2	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	918,056.7	0.0	49,136.6	0.0	674,885.1	0.0	123,879.9	0.0	70,155.1
Other agencies									
Administrative Office of the U.S. Courts	5,045.5	5,045.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agency for International Development	134,794.6	0.0	0.0	0.0	125,214.9	0.0	0.0	9,579.7	0.0
Appalachian Regional Commission	684.3	0.0	0.0	0.0	0.0	0.0	0.0	684.3	0.0
Consumer Product Safety Commission	385.0	0.0	0.0	365.7	0.0	19.2	0.0	0.0	0.0
Environmental Protection Agency	411,947.5	8,775.0	58,423.4	169,788.1	162,744.7	9,836.6	0.0	2,379.7	0.0
Federal Communications Commission	1,800.0	300.0	1,050.0	0.0	0.0	450.0	0.0	0.0	0.0
Federal Trade Commission	5,974.3	0.0	0.0	0.0	0.0	0.0	0.0	5,974.3	0.0
Library of Congress	1,215.2	0.0	0.0	0.0	0.0	1,215.2	0.0	0.0	0.0
National Aeronautics and Space Administration	2,554,761.5	0.0	2,085,963.7	121,495.1	88,984.9	192,735.2	0.0	0.0	65,582.7

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Agency	Total	Computer sciences and mathematics	Engineering	Environmental sciences	Life sciences	Physical sciences	Psychology	Social sciences	Other sciences nec
National Science Foundation	889,239.3	180,927.0	329,306.8	12,282.0	5,954.9	15,198.2	42.0	2,470.9	343,057.7
Nuclear Regulatory Commission	66,399.3	0.0	66,399.3	0.0	0.0	0.0	0.0	0.0	0.0
Patient-Centered Outcomes Research Trust Fund	469,730.1	0.0	0.0	0.0	469,730.1	0.0	0.0	0.0	0.0
RESTORE Act Centers of Excellence Research Grants Program	9,220.3	0.0	0.0	9,220.3	0.0	0.0	0.0	0.0	0.0
Social Security Administration	69,740.0	0.0	0.0	0.0	0.0	0.0	0.0	69,740.0	0.0
Tennessee Valley Authority	6,444.9	0.0	6,444.9	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Agency for Global Media	4,828.7	0.0	0.0	0.0	0.0	0.0	0.0	4,828.7	0.0
U.S. Postal Service	18,234.2	0.0	18,234.2	0.0	0.0	0.0	0.0	0.0	0.0

\* = amount greater than \$0 but less than \$50.

nec = not elsewhere classified.

**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. 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 2020–21.