

TABLE 16

## Preliminary federal obligations for research, by agency and performer: FY 2021

(Dollars in thousands)

Agency	Total	Intramural <sup>a</sup>	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments	
All agencies	85,155,455.8	20,768,819.0	9,988,426.2	3,579,914.1	34,328,028.2	3,908,169.3	8,871,058.4	2,602,436.7	605,859.2	502,744.5
Departments										
Department of Agriculture	2,508,959.0	1,618,219.3	4,633.3	0.0	826,908.9	0.0	47,083.4	0.0	8,485.4	3,628.7
Agricultural Marketing Service	3,500.3	3,500.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agricultural Research Service	1,428,300.0	1,309,748.8	0.0	0.0	105,701.3	0.0	9,660.3	0.0	201.9	2,987.7
Animal and Plant Health Inspection Service	21,046.0	14,803.1	0.0	0.0	6,242.9	0.0	0.0	0.0	0.0	0.0
Economic Research Service	87,000.0	79,901.0	1,753.9	0.0	4,095.9	0.0	1,240.8	0.0	8.4	0.0
Forest Service	223,240.8	186,230.1	1,386.4	0.0	24,950.8	0.0	4,143.4	0.0	5,889.1	641.0
National Agricultural Statistics Service	5,172.0	4,764.2	0.0	0.0	78.5	0.0	329.3	0.0	0.0	0.0
National Institute of Food and Agriculture	737,900.0	19,272.0	1,493.0	0.0	683,039.5	0.0	31,709.5	0.0	2,386.0	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	0.0
Department of Commerce	1,523,776.8	1,151,997.1	47,319.1	0.0	276,591.0	10,546.2	8,859.8	21,204.5	1,387.0	5,872.0
National Institute of Standards and Technology	802,072.6	690,486.9	35,813.2	0.0	43,199.0	0.0	5,387.8	21,204.5	113.7	5,867.5
National Oceanic and Atmospheric Administration	640,393.0	380,199.0	11,505.9	0.0	233,392.0	10,546.2	3,472.0	0.0	1,273.3	4.5
National Telecommunications and Information Administration	11,180.0	11,180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	70,131.2	70,131.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Defense	9,249,668.9	2,548,960.4	3,262,827.9	89,739.6	2,535,707.3	81,969.0	435,987.5	180,001.6	1,523.8	112,951.7
Defense Advanced Research Projects Agency	1,902,952.0	89,463.0	989,560.0	32,318.5	575,355.3	23,497.8	135,834.0	24,020.8	269.1	32,633.6
Defense Health Agency	199,489.7	42,875.7	46,899.5	0.0	51,988.5	0.0	52,497.0	2,476.1	0.0	2,753.0
Department of the Air Force	2,325,861.9	1,155,138.3	627,934.7	2,564.4	457,156.7	1,628.2	8,925.6	49,112.7	804.9	22,596.4
Department of the Army	2,042,788.8	313,912.2	1,009,819.6	1,624.5	526,845.8	15,328.6	87,704.3	65,389.2	0.0	22,164.6
Department of the Navy	1,859,814.4	644,274.5	354,179.8	10,440.0	690,289.4	1,283.6	114,431.4	14,255.7	449.8	30,210.2
Other defense agencies	918,762.1	303,296.8	234,434.3	42,792.2	234,071.6	40,230.8	36,595.2	24,747.1	0.0	2,593.9
Department of Education	261,761.7	8,526.9	16,128.2	0.0	153,531.8	0.0	61,997.6	0.0	21,577.2	0.0
Department of Energy	11,470,112.1	1,656,948.8	1,473,517.4	2,609,992.4	962,644.3	2,463,470.4	35,278.2	2,221,279.1	46,931.5	50.0

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Advanced Research Projects Agency—Energy	213,500.0	0.0	80,608.1	8,965.2	88,491.2	7,779.4	13,076.9	14,579.2	0.0	0.0
Electricity Delivery and Energy Reliability	64,597.0	1,476.7	4,256.9	15,063.0	7,661.2	6,470.0	4,515.3	24,954.3	199.5	0.0
Energy Efficiency and Renewable Energy	1,276,114.0	0.0	393,030.3	85,258.3	317,054.5	104,004.8	0.0	361,095.6	15,670.6	0.0
Environmental Management	9,659.0	0.0	2,667.3	2,045.3	4,007.2	500.9	0.0	438.3	0.0	0.0
Fossil Energy	684,993.0	514,036.0	0.0	18,814.4	124,165.5	11,036.8	0.0	16,940.3	0.0	0.0
National Nuclear Security Administration	3,469,774.2	550,803.3	729,502.1	2,091,428.1	10,068.6	12,311.0	1,131.0	74,480.1	0.0	50.0
Defense Programs	3,194,671.9	550,543.3	717,541.8	1,924,555.9	0.0	100.0	681.0	1,250.0	0.0	0.0
Office of Defense Nuclear Nonproliferation	275,102.3	260.0	11,960.4	166,872.2	10,068.6	12,211.0	450.0	73,230.1	0.0	50.0
Nuclear Energy	387,473.9	281.4	115,766.4	150,267.4	35,734.9	25,320.2	0.0	60,103.4	0.0	0.0
Office of Cybersecurity, Energy Security, and Emergency Response	28,662.0	3,857.0	18,000.0	0.0	6,805.0	0.0	0.0	0.0	0.0	0.0
Office of Science	5,335,339.0	586,494.3	129,686.1	238,150.8	368,656.2	2,296,047.3	16,555.0	1,668,687.9	31,061.4	0.0
Department of Health and Human Services	43,379,903.1	9,169,706.6	2,288,706.3	843,196.7	23,092,183.4	19,857.3	7,258,802.8	35,043.4	384,586.0	287,820.5
Administration for Children and Families	3,084.9	35.0	0.0	0.0	0.0	0.0	3,049.9	0.0	0.0	0.0
Administration for Community Living	72,304.2	0.0	574.8	0.0	54,861.8	0.0	16,495.1	0.0	372.5	0.0
Agency for Healthcare Research and Quality	308,145.0	48,270.0	131,483.0	0.0	98,720.2	0.0	29,580.0	0.0	91.8	0.0
Agency for Toxic Substances and Disease Registry	9,602.3	0.0	0.0	0.0	2,102.3	0.0	500.0	0.0	7,000.0	0.0
Centers for Disease Control and Prevention	487,016.6	113,629.1	62,987.4	0.0	166,493.5	0.0	56,479.5	0.0	47,161.6	40,265.5
Centers for Medicare and Medicaid Services	228,033.2	0.0	0.0	0.0	14,702.8	0.0	0.0	0.0	213,330.3	0.0
Food and Drug Administration	495,000.0	355,996.2	11,120.8	0.0	80,249.7	0.0	42,011.3	0.0	2,006.7	3,615.2
Health Resources and Services Administration	33,817.0	5,462.1	0.0	0.0	27,379.9	0.0	975.0	0.0	0.0	0.0





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National Aeronautics and Space Administration	5,297,549.4	1,512,165.2	1,771,618.8	10,483.0	728,941.1	1,062,351.5	172,206.2	20,798.8	2,974.1	16,010.8
National Science Foundation	6,405,641.9	9,437.2	462,941.9	0.0	5,282,267.6	264,513.3	347,566.7	4,777.7	14,907.6	19,230.0
Nuclear Regulatory Commission	73,946.1	31,606.4	8,378.5	12,044.8	4,627.6	3,183.2	589.3	13,144.8	0.0	371.5
Patient-Centered Outcomes Research Trust Fund	390,870.7	0.0	0.0	0.0	0.0	0.0	390,870.7	0.0	0.0	0.0
RESTORE Act Centers of Excellence Research Grants Program	5,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,000.0	0.0
Smithsonian Institution	213,560.0	213,560.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Social Security Administration	129,366.1	68,680.8	47,324.4	0.0	10,220.9	0.0	3,140.0	0.0	0.0	0.0
Tennessee Valley Authority	8,474.9	0.0	8,474.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Agency for Global Media	4,777.7	0.0	4,777.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Postal Service	19,006.0	0.0	17,006.0	0.0	2,000.0	0.0	0.0	0.0	0.0	0.0

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

FFRDC = federally funded research and development center.

<sup>a</sup> Intramural activities cover costs associated with the administration of intramural R&D programs and extramural R&D procurements by federal personnel as well as actual intramural performance.**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 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, FYs 2020–21.