

TABLE 40

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

(Dollars in thousands)

Agency	Total	Intramural ^a	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	43,924,162.8	12,477,021.8	7,273,614.7	2,799,098.7	14,801,786.1	381,106.1	4,594,999.2	821,135.1	492,120.3	283,280.9
Departments										
Department of Agriculture	1,272,905.4	800,618.1	3,890.3	0.0	433,658.4	0.0	26,564.5	0.0	6,419.8	1,754.3
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	634,800.0	582,110.6	0.0	0.0	46,978.4	0.0	4,293.5	0.0	89.7	1,327.9
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	149,933.1	120,164.2	1,347.9	0.0	18,978.6	0.0	3,954.5	0.0	5,061.6	426.4
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	389,700.0	10,177.9	788.5	0.0	360,727.0	0.0	16,746.5	0.0	1,260.1	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	1,248,604.3	892,334.8	42,085.6	0.0	268,012.4	10,546.2	7,480.2	21,204.5	1,387.0	5,553.6
National Institute of Standards and Technology	526,900.1	430,824.6	30,579.6	0.0	34,620.3	0.0	4,008.2	21,204.5	113.7	5,549.1
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	6,582,063.9	2,101,746.4	2,886,952.9	72,499.1	941,204.1	62,408.0	330,435.0	140,885.6	1,367.2	44,565.6
Defense Advanced Research Projects Agency	1,378,670.0	75,369.7	844,364.9	20,289.8	296,169.8	16,976.1	86,084.3	15,237.1	269.1	23,909.1
Defense Health Agency	189,074.1	38,106.5	45,416.9	0.0	51,448.4	0.0	48,875.3	2,474.1	0.0	2,753.0
Department of the Air Force	1,829,506.6	1,085,090.8	596,370.8	2,456.4	89,010.5	1,198.3	3,589.9	48,567.0	790.3	2,432.5
Department of the Army	1,489,792.3	281,120.0	901,234.7	1,614.5	180,671.8	3,785.2	74,892.4	43,819.8	0.0	2,653.9
Department of the Navy	1,140,642.7	402,693.6	327,867.8	8,807.9	292,315.0	1,283.6	82,702.9	13,889.0	307.9	10,775.1
Other defense agencies	554,378.2	219,365.8	171,697.8	39,330.5	31,588.6	39,164.8	34,290.2	16,898.6	0.0	2,041.9
Department of Education	219,624.4	6,595.6	16,032.7	0.0	120,294.9	0.0	56,197.5	0.0	20,503.8	0.0
Department of Energy	5,992,756.4	1,068,288.6	1,339,756.6	2,294,509.7	580,683.5	158,175.1	17,668.5	517,794.3	15,830.1	50.0
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

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Electricity Delivery and Energy Reliability	51,654.0	1,180.8	3,404.0	12,044.9	6,126.2	5,173.7	3,610.6	19,954.3	159.5	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	683,292.0	514,036.0	0.0	18,814.4	122,464.5	11,036.8	0.0	16,940.3	0.0	0.0
National Nuclear Security Administration	3,344,271.5	550,803.3	726,280.4	2,017,114.3	0.0	4,359.2	981.0	44,683.3	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	149,599.6	260.0	8,738.7	92,558.4	0.0	4,259.2	300.0	43,433.3	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	26,792.0	1,987.0	18,000.0	0.0	6,805.0	0.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	21,620,702.8	4,662,575.2	1,206,571.7	404,257.2	11,280,473.5	9,520.3	3,557,861.1	16,801.0	321,809.1	160,833.7
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	430,250.2	87,340.0	62,609.9	0.0	143,065.1	0.0	52,916.2	0.0	44,053.6	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	31,383.1	3,028.2	0.0	0.0	27,379.9	0.0	975.0	0.0	0.0	0.0
National Institutes of Health	20,026,000.0	4,165,155.8	996,283.1	404,257.2	10,856,841.7	9,520.3	3,405,233.6	16,801.0	54,954.2	116,953.1
Office of the Secretary of Health and Human Services	16,900.0	2,750.0	4,500.0	0.0	2,550.0	0.0	7,100.0	0.0	0.0	0.0

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Department of Transportation	848,503.4	207,426.4	266,417.9	0.0	217,415.6	1,622.1	44,656.0	3,861.9	106,053.5	1,050.1
Federal Aviation Administration	297,422.6	87,337.2	80,205.8	0.0	99,506.7	0.0	29,212.1	1,160.7	0.0	0.0
Federal Highway Administration	355,765.3	66,460.9	101,844.4	0.0	76,739.0	1,622.1	11,370.6	625.9	97,102.3	0.0
Federal Motor Carrier Safety Administration	11,373.6	3,257.0	4,814.5	0.0	2,175.9	0.0	100.0	1,026.1	0.0	0.0
Federal Railroad Administration	35,543.4	11,905.7	16,705.4	0.0	4,976.1	0.0	906.1	0.0	0.0	1,050.1
Federal Transit Administration	54,000.0	0.0	22,202.7	0.0	19,778.9	0.0	3,067.1	0.0	8,951.2	0.0
National Highway Traffic Safety Administration	65,982.6	10,049.6	40,645.0	0.0	14,238.9	0.0	0.0	1,049.2	0.0	0.0
Office of the Secretary of Transportation	22,800.0	22,800.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipeline and Hazardous Materials Safety Administration	5,616.0	5,616.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Treasury	52,466.5	2,018.2	25,453.3	75.0	0.0	0.0	0.0	8,350.0	0.0	16,570.0
Bureau of Engraving and Printing	52,373.3	2,000.0	25,453.3	0.0	0.0	0.0	0.0	8,350.0	0.0	16,570.0
U.S. Mint	93.2	18.2	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	987,767.4	919,420.7	0.0	0.0	0.0	0.0	0.0	68,346.7	0.0	0.0
Other agencies										
Administrative Office of the U.S. Courts	6,404.3	0.0	0.0	0.0	0.0	0.0	0.0	6,404.3	0.0	0.0
Agency for International Development	134,794.6	16,668.0	12,339.7	0.0	37,223.5	0.0	32,485.9	0.0	0.0	36,077.5
Appalachian Regional Commission	2.5	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0
Consumer Product Safety Commission	390.6	390.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Protection Agency	404,397.7	203,379.0	146,347.6	0.0	54,671.0	0.0	0.0	0.0	0.0	0.0
Federal Communications Commission	2,625.0	2,625.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Trade Commission	7,496.6	7,496.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Library of Congress	1,216.3	1,216.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	2,055,632.6	818,252.6	941,322.4	1,830.3	117,109.2	134,994.9	22,984.1	5,768.1	388.3	12,982.7
National Science Foundation	900,260.5	1,106.2	200,971.2	0.0	622,902.0	0.0	72,763.4	0.0	2,157.6	360.2

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Nuclear Regulatory Commission	71,396.0	31,606.4	8,378.5	12,044.8	2,227.5	3,183.2	589.3	12,994.8	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
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.

^a 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.