

TABLE 39

Federal obligations for applied research, by agency and performer: FY 2020

(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	43,758,135.4	11,884,224.3	6,881,593.8	2,712,635.6	15,345,495.0	407,776.3	4,865,041.9	848,683.7	530,418.7	282,266.1
Departments										
Department of Agriculture	1,224,571.1	733,012.8	4,542.4	0.0	447,648.8	0.0	31,192.0	0.0	5,978.1	2,196.9
Agricultural Marketing Service	3,476.3	3,476.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agricultural Research Service	569,411.5	499,158.9	0.0	0.0	62,637.8	0.0	5,724.6	0.0	119.6	1,770.5
Economic Research Service	81,718.0	74,618.9	1,753.9	0.0	4,095.9	0.0	1,240.8	0.0	8.4	0.0
Forest Service	172,456.5	142,687.6	1,347.9	0.0	18,978.6	0.0	3,954.5	0.0	5,061.6	426.4
National Agricultural Statistics Service	4,998.3	4,672.7	0.0	0.0	67.2	0.0	258.4	0.0	0.0	0.0
National Institute of Food and Agriculture	389,710.6	8,398.3	1,440.7	0.0	359,069.3	0.0	20,013.8	0.0	788.5	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	1,109,644.1	784,731.3	40,318.5	0.0	251,085.4	30.3	6,122.7	19,558.0	3,737.6	4,060.2
National Institute of Standards and Technology	466,253.3	377,553.0	28,486.6	0.0	33,113.9	0.0	3,372.0	19,558.0	113.7	4,056.0
National Oceanic and Atmospheric Administration	597,771.6	361,559.1	11,831.8	0.0	217,971.5	30.3	2,750.8	0.0	3,623.9	4.2
National Telecommunications and Information Administration	7,692.0	7,692.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	37,927.3	37,927.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Defense	6,416,163.1	2,053,019.9	2,813,136.8	67,027.9	936,297.2	62,039.6	309,976.1	130,163.2	1,329.4	43,173.1
Defense Advanced Research Projects Agency	1,524,182.0	83,324.7	933,483.6	22,431.3	327,429.1	18,767.9	95,170.1	16,845.3	297.5	26,432.6
Defense Health Agency	153,364.3	29,006.4	38,182.1	0.0	41,258.7	0.0	41,059.2	1,917.7	0.0	1,940.1
Department of the Air Force	1,728,512.4	1,025,028.5	563,360.3	2,197.2	84,206.8	1,132.0	3,391.2	46,152.1	746.5	2,297.9
Department of the Army	1,382,705.8	260,913.0	836,453.8	1,498.5	167,685.1	3,513.1	69,509.1	40,670.1	0.0	2,463.2
Department of the Navy	1,056,743.3	373,246.8	303,327.8	8,165.4	270,992.6	1,190.0	76,670.3	12,875.8	285.4	9,989.1
Other defense agencies	570,655.3	281,500.4	138,329.2	32,735.6	44,724.9	37,436.7	24,176.1	11,702.2	0.0	50.2
Department of Education	135,827.0	5,601.5	3,852.5	0.0	84,122.1	0.0	34,631.2	0.0	7,619.7	0.0
Department of Energy	5,023,578.5	604,671.7	805,531.2	2,193,131.6	624,495.2	167,094.5	87,899.8	525,075.3	15,581.3	98.0
Advanced Research Projects Agency—Energy	218,999.6	0.0	82,684.5	9,196.1	90,770.6	7,979.8	13,413.7	14,954.8	0.0	0.0

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Electricity Delivery and Energy Reliability	65,313.5	1,493.1	4,304.2	17,842.6	7,746.2	3,929.3	4,565.4	25,231.1	201.7	0.0
Energy Efficiency and Renewable Energy	1,248,343.0	0.0	384,477.1	83,402.8	310,154.7	101,741.4	0.0	353,237.3	15,329.6	0.0
Environmental Management	7,319.2	0.0	2,624.9	4,120.0	318.5	0.0	255.8	0.0	0.0	0.0
Fossil Energy	645,378.0	411,610.4	0.0	23,803.6	166,893.5	8,853.9	0.0	34,216.7	0.0	0.0
National Nuclear Security Administration	2,279,290.3	177,738.6	126,979.4	1,866,898.6	1,175.0	7,116.5	69,664.9	29,667.3	50.0	0.0
Defense Programs	2,154,972.6	165,677.8	117,974.9	1,796,608.0	1,175.0	3,862.0	69,664.9	10.0	0.0	0.0
Office of Defense Nuclear Nonproliferation	124,317.7	12,060.8	9,004.5	70,290.6	0.0	3,254.5	0.0	29,657.3	50.0	0.0
Nuclear Energy	392,343.2	2,044.7	70,810.8	180,154.9	43,516.8	35,673.6	0.0	60,044.5	0.0	98.0
Office of Cybersecurity, Energy Security, and Emergency Response	35,759.0	11,602.5	2,999.9	7,713.0	3,920.0	1,800.0	0.0	7,723.6	0.0	0.0
Office of Science	130,832.7	182.3	130,650.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	22,424,756.9	4,819,605.1	1,221,883.1	422,445.3	11,761,847.3	9,948.6	3,714,078.8	17,978.7	296,394.0	160,575.9
Administration for Children and Families	1,574.4	575.0	0.0	0.0	0.0	0.0	999.4	0.0	0.0	0.0
Administration for Community Living	70,814.9	0.0	574.8	0.0	53,372.5	0.0	16,495.1	0.0	372.5	0.0
Agency for Healthcare Research and Quality	308,145.0	46,928.1	130,303.0	0.0	100,708.7	0.0	30,110.2	0.0	95.0	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	371,169.4	80,621.3	34,986.0	0.0	139,211.7	0.0	60,484.5	421.8	20,471.6	34,972.5
Centers for Medicare and Medicaid Services	223,561.9	0.0	0.0	0.0	14,414.5	0.0	0.0	*	209,147.4	0.0
Food and Drug Administration	463,951.7	333,666.7	10,423.3	0.0	75,216.2	0.0	39,376.2	0.0	1,880.8	3,388.4
Health Resources and Services Administration	32,481.5	2,503.4	0.0	0.0	29,003.1	0.0	975.0	0.0	0.0	0.0
National Institutes of Health	20,927,000.0	4,352,552.5	1,041,107.4	422,445.3	11,345,307.4	9,948.6	3,558,440.2	17,556.9	57,426.7	122,215.0

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National Aeronautics and Space Administration	2,554,761.5	931,699.2	1,256,380.7	3,037.7	160,682.6	159,409.0	22,660.9	7,143.3	915.3	12,832.9
National Science Foundation	889,239.3	1,092.6	198,510.8	0.0	615,276.3	0.0	71,872.6	0.0	2,131.2	355.8
Nuclear Regulatory Commission	66,399.3	29,671.8	7,865.6	11,307.5	1,464.6	2,988.4	553.3	12,199.4	0.0	348.8
Patient-Centered Outcomes Research Trust Fund	469,730.1	0.0	0.0	0.0	0.0	0.0	469,730.1	0.0	0.0	0.0
RESTORE Act Centers of Excellence Research Grants Program	9,220.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9,220.3	0.0
Social Security Administration	69,740.0	37,215.6	20,070.6	0.0	9,451.4	0.0	2,883.6	0.0	0.0	118.8
Tennessee Valley Authority	6,444.9	0.0	6,444.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Agency for Global Media	4,828.7	0.0	4,828.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Postal Service	18,234.2	0.0	16,234.2	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 2020 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.