

TABLE 78

**Preliminary federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: FY 2021**

(Dollars in thousands)

Agency	Total	Computer sciences and mathematics	Engineering	Environmental sciences	Life sciences	Physical sciences	Psychology	Social sciences	Other sciences nec
All agencies surveyed	13,978,525.9	521,567.3	1,504,949.1	256,956.4	9,989,049.1	122,122.3	893,126.9	137,906.2	552,848.7
Departments									
Department of Agriculture	433,658.4	790.9	49,513.2	4,337.0	344,776.4	9,819.4	0.0	24,421.4	0.0
Agricultural Research Service	46,978.4	61.1	422.8	206.7	43,159.0	3,016.0	0.0	112.7	0.0
Economic Research Service	4,095.9	0.0	0.0	0.0	0.0	0.0	0.0	4,095.9	0.0
Forest Service	18,978.6	651.3	1,400.0	2,580.4	9,826.7	353.4	0.0	4,166.8	0.0
National Agricultural Statistics Service	78.5	78.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Institute of Food and Agriculture	360,727.0	0.0	47,690.4	1,550.0	288,990.7	6,450.0	0.0	16,046.0	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
Department of Defense	941,204.1	221,246.8	242,727.6	68,900.6	160,160.1	25,504.7	11,274.7	9,518.5	201,871.1
Defense Advanced Research Projects Agency	296,169.8	145,772.4	44,368.6	8,623.5	84,031.0	1,668.4	6,618.8	0.0	5,087.1
Defense Health Agency	51,448.4	0.0	0.0	0.0	51,448.4	0.0	0.0	0.0	0.0
Department of the Air Force	89,010.5	7,907.1	66,711.3	121.0	293.2	13,483.0	0.0	0.0	495.0
Department of the Army	180,671.8	542.0	397.5	0.0	0.0	0.0	0.0	0.0	179,732.3
Department of the Navy	292,315.0	63,998.8	129,082.5	60,156.1	14,133.2	3,295.7	3,258.8	9,303.7	9,086.1
Other defense agencies	31,588.6	3,026.5	2,167.7	0.0	10,254.4	7,057.6	1,397.0	214.8	7,470.5
Department of Energy	580,683.5	22,170.6	494,078.4	15,608.0	13,626.2	35,135.9	0.0	64.4	0.0
Advanced Research Projects Agency—Energy	88,491.2	15,365.6	43,725.8	0.0	13,626.2	15,709.2	0.0	64.4	0.0
Electricity Delivery and Energy Reliability	6,126.2	0.0	6,126.2	0.0	0.0	0.0	0.0	0.0	0.0
Energy Efficiency and Renewable Energy	317,054.5	0.0	317,054.5	0.0	0.0	0.0	0.0	0.0	0.0

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Environmental Management	4,007.2	0.0	0.0	4,007.2	0.0	0.0	0.0	0.0	0.0
Fossil Energy	122,464.5	0.0	91,437.0	11,600.8	0.0	19,426.7	0.0	0.0	0.0
Nuclear Energy	35,734.9	0.0	35,734.9	0.0	0.0	0.0	0.0	0.0	0.0
Office of Cybersecurity, Energy Security, and Emergency Response	6,805.0	6,805.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	11,280,473.5	105,797.6	520,805.4	122,280.4	9,441,053.6	27,800.3	881,809.7	101,434.1	79,492.6
Administration for Community Living	54,861.8	0.0	0.0	0.0	0.0	0.0	0.0	54,861.8	0.0
Agency for Healthcare Research and Quality	98,720.2	1,799.3	453.2	0.0	74,970.0	0.0	0.0	10,307.3	11,190.4
Agency for Toxic Substances and Disease Registry	2,102.3	0.0	0.0	2,102.3	0.0	0.0	0.0	0.0	0.0
Centers for Disease Control and Prevention	143,065.1	0.0	0.0	23,787.5	119,007.6	0.0	0.0	270.0	0.0
Centers for Medicare and Medicaid Services	14,702.8	0.0	0.0	0.0	14,702.8	0.0	0.0	0.0	0.0
Food and Drug Administration	80,249.7	0.0	0.0	0.0	80,249.7	0.0	0.0	0.0	0.0
Health Resources and Services Administration	27,379.9	0.0	0.0	0.0	13,066.0	0.0	0.0	0.0	14,313.9
National Institutes of Health	10,856,841.7	103,998.3	520,352.2	96,390.6	9,139,057.3	27,800.3	881,809.7	33,445.0	53,988.3
Office of the Secretary of Health and Human Services	2,550.0	0.0	0.0	0.0	0.0	0.0	0.0	2,550.0	0.0
Office of the Assistant Secretary for Planning and Evaluation	2,550.0	0.0	0.0	0.0	0.0	0.0	0.0	2,550.0	0.0
Department of Homeland Security	2,495.2	495.2	0.0	0.0	0.0	2,000.0	0.0	0.0	0.0

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Countering Weapons of Mass Destruction Office	495.2	495.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Science and Technology Directorate	2,000.0	0.0	0.0	0.0	0.0	2,000.0	0.0	0.0	0.0
Other agencies									
National Aeronautics and Space Administration	117,109.2	0.0	51,314.0	35,542.3	23,412.1	6,640.7	0.0	0.0	200.2
National Science Foundation	622,902.0	171,066.2	146,510.6	10,288.1	6,020.7	15,221.3	42.5	2,467.7	271,284.9

nec = not elsewhere classified.

**Note(s):**

Because of rounding, detail may not add to total. Seven agencies are required to report data for this section of the survey: the Departments of Agriculture, Defense, Energy, Health and Human Services, and Homeland Security; the National Aeronautics and Space Administration; and the National Science Foundation. Applied research obligations of these seven agencies represented more than 94% of total federal applied research obligations to universities and colleges in FY 2021. 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.