

TABLE 77

Federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: FY 2019

(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	13,077,676.4	385,120.2	1,348,776.6	209,933.0	9,545,271.6	118,031.4	759,370.2	115,801.9	595,371.3
Departments									
Department of Agriculture	558,674.3	633.6	31,507.9	6,486.6	450,764.3	10,793.0	0.0	58,488.8	0.0
Agricultural Research Service	50,927.4	66.2	458.3	224.1	46,787.0	3,269.5	0.0	122.2	0.0
Economic Research Service	3,680.9	0.0	0.0	0.0	0.0	0.0	0.0	3,680.9	0.0
Forest Service	15,163.2	314.0	1,145.8	3,320.1	7,826.8	106.0	0.0	2,450.5	0.0
National Agricultural Statistics Service	253.4	253.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Institute of Food and Agriculture	487,536.9	0.0	29,903.8	2,942.4	396,150.5	7,417.5	0.0	51,122.7	0.0
Rural Business-Cooperative Service	1,112.5	0.0	0.0	0.0	0.0	0.0	0.0	1,112.5	0.0
Department of Defense	788,048.4	222,186.8	214,062.5	39,795.1	101,373.1	30,742.2	3,637.2	0.0	176,251.6
Defense Advanced Research Projects Agency	315,029.0	177,188.4	44,185.4	2,677.2	84,216.6	4,134.6	0.0	0.0	2,626.8
Department of the Air Force	109,588.0	8,880.2	84,554.4	1,184.1	3,576.4	11,364.3	28.6	0.0	0.0
Department of the Army	115,522.7	35.9	258.6	0.0	0.0	0.0	0.0	0.0	115,228.2
Department of the Navy	213,029.1	31,803.8	81,829.3	35,933.8	3,828.8	3,234.4	3,606.6	0.0	52,792.4
Other defense agencies	34,879.6	4,278.5	3,234.8	0.0	9,751.4	12,008.8	2.0	0.0	5,604.2
Department of Energy	428,308.8	8,886.3	384,875.0	4,644.5	8,567.2	21,335.8	0.0	0.0	0.0
Advanced Research Projects Agency –Energy	81,578.5	8,886.3	43,489.2	0.0	8,567.2	20,635.8	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	8,580.1	0.0	8,580.1	0.0	0.0	0.0	0.0	0.0	0.0
Energy Efficiency and Renewable Energy	307,763.4	0.0	307,763.4	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Management	4,644.5	0.0	0.0	4,644.5	0.0	0.0	0.0	0.0	0.0

TABLE 77

Federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: FY 2019

(Dollars in thousands)

Agency	Total	Computer sciences and mathematics	Engineering	Environmental sciences	Life sciences	Physical sciences	Psychology	Social sciences	Other sciences nec
National Nuclear Security Administration	975.0	0.0	275.0	0.0	0.0	700.0	0.0	0.0	0.0
Defense Programs	975.0	0.0	275.0	0.0	0.0	700.0	0.0	0.0	0.0
Nuclear Energy	21,267.3	0.0	21,267.3	0.0	0.0	0.0	0.0	0.0	0.0
Office of Cybersecurity, Energy Security, and Emergency Response	3,500.0	0.0	3,500.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	10,589,653.7	27,970.9	488,660.7	119,397.8	8,948,189.6	32,434.7	755,733.0	54,847.0	162,420.1
Administration for Community Living	53,478.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53,478.7
Agency for Healthcare Research and Quality	100,708.7	1,827.9	433.0	0.0	77,447.9	0.0	0.0	10,152.3	10,847.7
Centers for Disease Control and Prevention	90,717.2	0.0	0.0	24,669.1	66,048.0	0.0	0.0	0.0	0.0
Centers for Medicare and Medicaid Services	11,554.7	0.0	0.0	0.0	11,554.7	0.0	0.0	0.0	0.0
Food and Drug Administration	72,300.0	0.0	0.0	0.0	72,300.0	0.0	0.0	0.0	0.0
Health Resources and Services Administration	24,027.6	0.0	0.0	0.0	10,953.9	0.0	0.0	2,265.5	10,808.1
National Institutes of Health	10,234,721.2	26,143.0	488,227.7	94,728.6	8,709,885.1	32,434.7	755,733.0	40,283.5	87,285.6
Office of the Secretary of Health and Human Services	2,145.7	0.0	0.0	0.0	0.0	0.0	0.0	2,145.7	0.0
Office of the Assistant Secretary for Planning and Evaluation	2,145.7	0.0	0.0	0.0	0.0	0.0	0.0	2,145.7	0.0
Department of Homeland Security	2,355.7	1,667.7	0.0	0.0	462.0	0.0	0.0	0.0	226.0

TABLE 77

Federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: FY 2019

(Dollars in thousands)

Agency	Total	Computer sciences and mathematics	Engineering	Environmental sciences	Life sciences	Physical sciences	Psychology	Social sciences	Other sciences nec
Countering Weapons of Mass Destruction Office	226.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	226.0
Cybersecurity and Infrastructure Security Agency	1,173.8	1,173.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Science and Technology Directorate	852.8	390.8	0.0	0.0	462.0	0.0	0.0	0.0	0.0
U.S. Coast Guard	103.2	103.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other agencies									
National Aeronautics and Space Administration	168,879.3	0.0	81,654.2	33,308.5	30,616.7	11,252.9	0.0	0.0	12,047.0
National Science Foundation	541,756.1	123,774.9	148,016.4	6,300.6	5,298.7	11,472.8	0.0	2,466.0	244,426.6

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 95% of total federal applied research obligations to universities and colleges in FY 2019. 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 2019–20.