

TABLE 77

**Federal obligations for applied research performed at universities and colleges, by selected agency and field of science and engineering: FY 2020**

(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	14,547,530.9	539,638.4	1,586,160.4	260,513.9	10,394,747.2	138,566.6	933,018.7	143,102.7	551,783.0
Departments									
Department of Agriculture	447,648.8	799.9	51,875.7	4,406.0	349,556.6	11,654.4	0.0	29,356.1	0.0
Agricultural Research Service	62,637.8	81.4	563.7	275.6	57,545.4	4,021.3	0.0	150.3	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	67.2	67.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Institute of Food and Agriculture	359,069.3	0.0	49,912.0	1,550.0	279,384.6	7,279.7	0.0	20,943.0	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	936,297.2	239,679.9	234,242.9	65,416.3	158,843.2	29,832.8	11,493.1	8,799.0	187,990.0
Defense Advanced Research Projects Agency	327,429.1	161,158.0	49,051.5	9,533.7	92,900.0	1,844.5	7,317.4	0.0	5,624.0
Defense Health Agency	41,258.7	0.0	0.0	0.0	41,258.7	0.0	0.0	0.0	0.0
Department of the Air Force	84,206.8	7,480.4	63,111.0	114.5	277.4	12,755.3	0.0	0.0	468.3
Department of the Army	167,685.1	24.4	368.9	0.0	0.0	0.0	0.0	0.0	167,291.8
Department of the Navy	270,992.6	59,330.5	119,666.8	55,768.1	13,102.3	3,055.3	3,021.1	8,625.0	8,423.3
Other defense agencies	44,724.9	11,686.7	2,044.7	0.0	11,304.8	12,177.6	1,154.6	173.9	6,182.6
Department of Energy	624,495.2	19,681.3	531,154.4	16,127.8	13,977.2	43,488.4	0.0	66.0	0.0
Advanced Research Projects Agency—Energy	90,770.6	15,761.4	44,852.1	0.0	13,977.2	16,113.9	0.0	66.0	0.0
Electricity Delivery and Energy Reliability	7,746.2	0.0	7,746.2	0.0	0.0	0.0	0.0	0.0	0.0

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Energy Efficiency and Renewable Energy	310,154.7	0.0	310,154.7	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Management	318.5	0.0	0.0	318.5	0.0	0.0	0.0	0.0	0.0
Fossil Energy	166,893.5	0.0	124,609.5	15,809.4	0.0	26,474.5	0.0	0.0	0.0
National Nuclear Security Administration	1,175.0	0.0	275.0	0.0	0.0	900.0	0.0	0.0	0.0
Defense Programs	1,175.0	0.0	275.0	0.0	0.0	900.0	0.0	0.0	0.0
Nuclear Energy	43,516.8	0.0	43,516.8	0.0	0.0	0.0	0.0	0.0	0.0
Office of Cybersecurity, Energy Security, and Emergency Response	3,920.0	3,920.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	11,761,847.3	110,505.3	544,196.6	125,729.7	9,846,423.5	29,051.0	921,483.6	102,444.1	82,013.4
Administration for Community Living	53,372.5	0.0	0.0	0.0	0.0	0.0	0.0	53,372.5	0.0
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
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	139,211.7	0.0	0.0	22,900.1	116,041.6	0.0	0.0	270.0	0.0
Centers for Medicare and Medicaid Services	14,414.5	0.0	0.0	0.0	14,414.5	0.0	0.0	0.0	0.0
Food and Drug Administration	75,216.2	0.0	0.0	0.0	75,216.2	0.0	0.0	0.0	0.0
Health Resources and Services Administration	29,003.1	0.0	0.0	0.0	13,066.0	0.0	0.0	1,188.7	14,748.4
National Institutes of Health	11,345,307.4	108,677.4	543,763.6	100,727.4	9,550,237.3	29,051.0	921,483.6	34,949.8	56,417.3

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Office of the Secretary of Health and Human Services	2,510.8	0.0	0.0	0.0	0.0	0.0	0.0	2,510.8	0.0
Office of the Assistant Secretary for Planning and Evaluation	2,510.8	0.0	0.0	0.0	0.0	0.0	0.0	2,510.8	0.0
Department of Homeland Security	1,283.6	0.0	0.0	0.0	0.0	1,283.6	0.0	0.0	0.0
Science and Technology Directorate	1,283.6	0.0	0.0	0.0	0.0	1,283.6	0.0	0.0	0.0
Other agencies									
National Aeronautics and Space Administration	160,682.6	0.0	79,973.9	38,671.9	19,999.6	8,221.4	0.0	0.0	13,815.8
National Science Foundation	615,276.3	168,972.0	144,716.9	10,162.1	5,947.0	15,035.0	42.0	2,437.5	267,963.7

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 2020. 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.