

TABLE 78

**Preliminary 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	14,014,190.8	425,269.5	1,533,014.1	212,312.7	10,123,344.7	195,839.7	802,608.1	127,668.1	594,133.9
Departments									
Department of Agriculture	640,258.5	612.9	40,330.3	6,992.5	512,905.1	10,846.5	0.0	68,571.2	0.0
Agricultural Research Service	38,195.5	49.7	343.8	168.1	35,090.2	2,452.2	0.0	91.7	0.0
Economic Research Service	3,680.0	0.0	0.0	0.0	0.0	0.0	0.0	3,680.0	0.0
Foreign Agricultural Service	500.0	0.0	0.0	0.0	500.0	0.0	0.0	0.0	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	249.3	249.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Institute of Food and Agriculture	581,321.4	0.0	38,840.8	3,504.4	469,488.0	8,288.3	0.0	61,199.9	0.0
Rural Business-Cooperative Service	1,149.2	0.0	0.0	0.0	0.0	0.0	0.0	1,149.2	0.0
Department of Defense	832,795.7	256,319.6	226,671.6	39,391.2	116,083.7	29,837.4	3,537.2	0.0	160,955.0
Defense Advanced Research Projects Agency	376,847.8	211,958.5	52,856.0	3,202.5	100,742.6	4,946.0	0.0	0.0	3,142.3
Department of the Air Force	117,781.8	9,544.1	90,876.5	1,272.7	3,843.8	12,214.0	30.7	0.0	0.0
Department of the Army	99,749.4	31.0	223.3	0.0	0.0	0.0	0.0	0.0	99,495.1
Department of the Navy	206,995.1	30,902.9	79,511.5	34,915.9	3,720.4	3,142.8	3,504.5	0.0	51,297.0
Other defense agencies	31,421.6	3,883.1	3,204.3	0.0	7,777.0	9,534.6	2.0	0.0	7,020.6
Department of Energy	591,771.8	9,326.2	469,953.1	1,584.0	8,991.3	101,917.2	0.0	0.0	0.0
Advanced Research Projects Agency—Energy	85,616.7	9,326.2	45,641.9	0.0	8,991.3	21,657.2	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	8,050.7	0.0	8,050.7	0.0	0.0	0.0	0.0	0.0	0.0

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Energy Efficiency and Renewable Energy	374,640.0	0.0	374,640.0	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Management	1,584.0	0.0	0.0	1,584.0	0.0	0.0	0.0	0.0	0.0
National Nuclear Security Administration	80,360.0	0.0	100.0	0.0	0.0	80,260.0	0.0	0.0	0.0
Defense Programs	80,360.0	0.0	100.0	0.0	0.0	80,260.0	0.0	0.0	0.0
Nuclear Energy	41,520.5	0.0	41,520.5	0.0	0.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	11,179,160.1	29,441.5	516,678.5	125,161.4	9,450,486.5	34,672.7	799,070.9	56,535.3	167,113.4
Administration for Community Living	52,282.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52,282.0
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
Centers for Disease Control and Prevention	96,298.0	0.0	0.0	25,000.5	70,619.4	378.0	0.0	300.0	0.0
Centers for Medicare and Medicaid Services	12,000.0	0.0	0.0	0.0	12,000.0	0.0	0.0	0.0	0.0
Food and Drug Administration	72,585.6	0.0	0.0	0.0	72,585.6	0.0	0.0	0.0	0.0
Health Resources and Services Administration	23,492.6	0.0	0.0	0.0	10,953.9	0.0	0.0	1,188.7	11,350.0
National Institutes of Health	10,821,636.1	27,642.2	516,225.3	100,160.9	9,209,357.5	34,294.7	799,070.9	42,593.6	92,291.0
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	2,000.0	1,000.0	0.0	0.0	1,000.0	0.0	0.0	0.0	0.0

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Agency	Total	Computer sciences and mathematics	Engineering	Environmental sciences	Life sciences	Physical sciences	Psychology	Social sciences	Other sciences nec
Science and Technology Directorate	2,000.0	1,000.0	0.0	0.0	1,000.0	0.0	0.0	0.0	0.0
Other agencies									
National Aeronautics and Space Administration	205,463.9	0.0	125,630.9	32,639.0	28,374.2	6,648.7	0.0	0.0	12,171.1
National Science Foundation	562,740.8	128,569.3	153,749.7	6,544.6	5,503.9	11,917.2	0.0	2,561.6	253,894.5

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 2020. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2020 preliminary data do not include obligations from 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 2019–20.