

TABLE 57

Federal obligations for 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 | 31,637,052.5 | 1,630,520.6 | 3,014,313.7 | 1,330,355.6 | 20,025,580.1 | 2,198,843.0 | 1,613,264.7 | 377,091.2 | 1,447,083.6 |
| Departments | | | | | | | | | |
| Department of Agriculture | 892,674.3 | 761.7 | 48,308.1 | 9,444.5 | 728,889.6 | 18,958.9 | 0.0 | 86,311.4 | 0.0 |
| Agricultural Research Service | 114,586.6 | 149.0 | 1,031.3 | 504.2 | 105,270.7 | 7,356.5 | 0.0 | 275.0 | 0.0 |
| Animal and Plant Health Inspection Service | 5,226.3 | 0.0 | 0.0 | 0.0 | 5,226.3 | 0.0 | 0.0 | 0.0 | 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 | 17,757.8 | 359.3 | 1,271.0 | 4,413.5 | 8,930.3 | 191.0 | 0.0 | 2,592.7 | 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 | 750,056.7 | 0.0 | 46,005.8 | 4,526.8 | 609,462.3 | 11,411.5 | 0.0 | 78,650.3 | 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 | 2,161,454.0 | 507,658.7 | 547,355.5 | 115,850.6 | 249,790.0 | 271,978.5 | 19,559.7 | 21,377.9 | 427,883.1 |
| Defense Advanced Research Projects Agency | 557,742.7 | 287,135.3 | 70,276.7 | 2,677.2 | 144,166.0 | 49,581.9 | 0.0 | 0.0 | 3,905.7 |
| Department of the Air Force | 470,109.0 | 75,627.2 | 202,947.4 | 6,281.8 | 33,553.4 | 148,459.1 | 639.4 | 2,600.6 | 0.0 |
| Department of the Army | 353,464.6 | 13,397.4 | 12,671.9 | 905.6 | 20,553.4 | 13,913.5 | 0.0 | 2,306.1 | 289,716.7 |
| Department of the Navy | 604,724.2 | 98,574.5 | 223,373.2 | 101,392.8 | 27,076.9 | 15,419.1 | 14,956.3 | 4,373.0 | 119,558.4 |
| Other defense agencies | 175,413.5 | 32,924.3 | 38,086.3 | 4,593.3 | 24,440.3 | 44,605.0 | 3,963.9 | 12,098.1 | 14,702.3 |
| Department of Energy | 1,248,555.3 | 22,150.9 | 418,575.5 | 33,676.7 | 146,341.0 | 551,868.3 | 0.0 | 0.0 | 75,943.0 |
| 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 | 10,317.5 | 0.0 | 10,317.5 | 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 |
| Fossil Energy | 33,000.0 | 0.0 | 0.0 | 0.0 | 0.0 | 33,000.0 | 0.0 | 0.0 | 0.0 |
| National Nuclear Security Administration | 14,726.4 | 0.0 | 275.0 | 0.0 | 0.0 | 14,451.4 | 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 |
| Office of Defense Nuclear Nonproliferation | 13,751.4 | 0.0 | 0.0 | 0.0 | 0.0 | 13,751.4 | 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 |

TABLE 57

Federal obligations for 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 |
|--|--------------|-----------------------------------|-------------|------------------------|---------------|-------------------|-------------|-----------------|--------------------|
| 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 |
| Office of Science | 771,757.8 | 13,264.6 | 31,963.1 | 29,032.2 | 137,773.8 | 483,781.1 | 0.0 | 0.0 | 75,943.0 |
| Department of Health and Human Services | 21,489,376.5 | 55,731.0 | 1,007,088.0 | 234,848.6 | 18,200,575.3 | 66,875.6 | 1,558,212.4 | 97,622.3 | 268,423.3 |
| 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 | 122,643.2 | 0.0 | 0.0 | 39,531.8 | 69,792.9 | 0.0 | 0.0 | 0.0 | 13,318.6 |
| 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 | 21,102,517.9 | 53,903.1 | 1,006,655.0 | 195,316.8 | 17,958,525.9 | 66,875.6 | 1,558,212.4 | 83,058.8 | 179,970.2 |
| 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 | 21,998.4 | 2,103.2 | 12,976.3 | 0.0 | 462.0 | 804.9 | 0.0 | 0.0 | 5,652.0 |
| Countering Weapons of Mass Destruction Office | 5,602.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5,602.7 |
| 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 | 15,118.8 | 826.3 | 12,976.3 | 0.0 | 462.0 | 804.9 | 0.0 | 0.0 | 49.3 |
| 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 | 904,273.8 | 0.0 | 81,654.2 | 251,658.7 | 49,741.2 | 506,763.3 | 0.0 | 0.0 | 14,456.4 |
| National Science Foundation | 4,918,720.1 | 1,042,115.2 | 898,356.2 | 684,876.5 | 649,780.9 | 781,593.4 | 35,492.6 | 171,779.5 | 654,725.8 |

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. Research obligations of these seven agencies represented more than 97% of total federal 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.