

TABLE 82

**Federal obligations for applied research performed at universities and colleges in life sciences, by selected agency and detailed field: FY 2019**

(Dollars in thousands)

Agency	Total	Agricultural sciences	Biological sciences (excluding environmental biology)	Environmental biology	Medical sciences	Other life sciences
All agencies surveyed	9,545,271.6	254,024.9	4,936,824.6	102,092.1	3,225,633.1	1,026,697.0
Departments						
Department of Agriculture	450,764.3	245,457.7	109,728.7	91,314.9	4,075.6	187.5
Agricultural Research Service	46,787.0	36,346.9	3,259.4	6,350.6	830.1	0.0
Forest Service	7,826.8	281.0	3,267.9	4,090.4	0.0	187.5
National Institute of Food and Agriculture	396,150.5	208,829.8	103,201.4	80,873.8	3,245.5	0.0
Department of Defense	101,373.1	0.0	34,682.2	10,729.8	51,556.3	4,404.9
Defense Advanced Research Projects Agency	84,216.6	0.0	23,676.9	10,729.8	49,810.0	0.0
Department of the Air Force	3,576.4	0.0	356.9	0.0	2.1	3,217.4
Department of the Navy	3,828.8	0.0	1,439.1	0.0	1,223.3	1,166.4
Other defense agencies	9,751.4	0.0	9,209.4	0.0	521.0	21.0
Department of Energy	8,567.2	8,567.2	0.0	0.0	0.0	0.0
Advanced Research Projects Agency—Energy	8,567.2	8,567.2	0.0	0.0	0.0	0.0
Department of Health and Human Services	8,948,189.6	0.0	4,786,700.5	0.0	3,170,001.1	991,487.9
Agency for Healthcare Research and Quality	77,447.9	0.0	0.0	0.0	76,256.0	1,191.9
Centers for Disease Control and Prevention	66,048.0	0.0	378.1	0.0	10,598.5	55,071.4
Centers for Medicare and Medicaid Services	11,554.7	0.0	0.0	0.0	11,554.7	0.0
Food and Drug Administration	72,300.0	0.0	72,300.0	0.0	0.0	0.0
Health Resources and Services Administration	10,953.9	0.0	0.0	0.0	10,953.9	0.0
National Institutes of Health	8,709,885.1	0.0	4,714,022.5	0.0	3,060,638.0	935,224.6
Department of Homeland Security	462.0	0.0	462.0	0.0	0.0	0.0
Science and Technology Directorate	462.0	0.0	462.0	0.0	0.0	0.0
Other agencies						
National Aeronautics and Space Administration	30,616.7	0.0	0.0	0.0	0.0	30,616.7
National Science Foundation	5,298.7	0.0	5,251.3	47.4	0.0	0.0

**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.