

TABLE 68

Preliminary federal obligations for basic research performed at universities and colleges, by selected agency and field of science and engineering: FY 2021

(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	19,474,515.9	1,358,770.8	1,796,051.5	1,063,035.8	11,225,928.8	1,612,544.4	1,024,700.0	310,079.2	1,083,405.4
Departments									
Department of Agriculture	393,250.5	114.6	43,262.3	4,217.0	325,272.8	9,583.1	0.0	10,800.8	0.0
Agricultural Research Service	58,723.0	76.3	528.5	258.4	53,948.8	3,770.0	0.0	140.9	0.0
Animal and Plant Health Inspection Service	6,242.9	0.0	0.0	0.0	6,242.9	0.0	0.0	0.0	0.0
Forest Service	5,972.2	38.3	122.0	1,732.0	3,688.8	50.0	0.0	341.2	0.0
National Institute of Food and Agriculture	322,312.4	0.0	42,611.7	2,226.6	261,392.3	5,763.1	0.0	10,318.7	0.0
Department of Defense	1,594,503.2	278,070.2	382,226.6	66,949.1	175,733.6	173,585.7	30,356.2	78,340.7	409,241.1
Defense Advanced Research Projects Agency	279,185.5	153,000.0	26,479.1	0.0	71,429.4	28,277.0	0.0	0.0	0.0
Defense Health Agency	540.1	0.0	0.0	0.0	540.1	0.0	0.0	0.0	0.0
Department of the Air Force	368,146.2	23,956.2	213,295.4	1,887.2	7,056.8	60,727.0	676.2	52,537.2	8,010.2
Department of the Army	346,174.1	33,362.2	17,806.6	2,107.8	52,906.4	15,527.6	0.0	2,575.5	221,888.0
Department of the Navy	397,974.4	41,401.8	90,405.3	52,804.7	18,624.0	10,860.0	1,669.6	5,447.7	176,761.2
Other defense agencies	202,483.0	26,350.0	34,240.2	10,149.4	25,176.9	58,194.1	28,010.4	17,780.2	2,581.8
Department of Energy	381,960.8	7,122.0	1,535.0	5,424.0	87,872.0	113,154.6	0.0	0.0	166,853.2
Electricity Delivery and Energy Reliability	1,535.0	0.0	1,535.0	0.0	0.0	0.0	0.0	0.0	0.0
Fossil Energy	1,701.0	0.0	0.0	0.0	0.0	1,701.0	0.0	0.0	0.0
National Nuclear Security Administration	10,068.6	0.0	0.0	0.0	0.0	10,068.6	0.0	0.0	0.0
Office of Defense Nuclear Nonproliferation	10,068.6	0.0	0.0	0.0	0.0	10,068.6	0.0	0.0	0.0
Office of Science	368,656.2	7,122.0	0.0	5,424.0	87,872.0	101,385.0	0.0	0.0	166,853.2
Department of Health and Human Services	11,811,709.8	112,920.7	564,994.7	115,213.1	9,923,745.3	30,185.3	957,462.6	36,514.4	70,673.8
Centers for Disease Control and Prevention	23,428.5	0.0	0.0	10,552.8	622.0	0.0	0.0	200.0	12,053.6
National Institutes of Health	11,788,281.4	112,920.7	564,994.7	104,660.2	9,923,123.3	30,185.3	957,462.6	36,314.4	58,620.1

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(Dollars in thousands)

Agency	Total	Computer sciences and mathematics	Engineering	Environmental sciences	Life sciences	Physical sciences	Psychology	Social sciences	Other sciences nec
Department of Homeland Security	21,894.1	3,270.4	14,000.0	0.0	2,124.5	2,499.2	0.0	0.0	0.0
Countering Weapons of Mass Destruction Office	7,894.1	3,270.4	0.0	0.0	2,124.5	2,499.2	0.0	0.0	0.0
Science and Technology Directorate	14,000.0	0.0	14,000.0	0.0	0.0	0.0	0.0	0.0	0.0
Other agencies									
National Aeronautics and Space Administration	611,831.9	0.0	0.0	137,480.9	12,164.7	462,146.2	0.0	0.0	40.0
National Science Foundation	4,659,365.6	957,272.9	790,032.9	733,751.8	699,016.0	821,390.2	36,881.2	184,423.3	436,597.2

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. Basic research obligations of these seven agencies represented more than 99% of total federal basic research obligations to universities and colleges in FY 2021. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FYs 2021 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.