

TABLE 63

Federal obligations for research performed at universities and colleges in physical sciences, by selected agency and detailed field: FY 2020

(Dollars in thousands)

Agency	Total	Astronomy	Chemistry	Physics	Other physical sciences
All agencies surveyed	2,404,712.6	174,279.3	563,612.4	793,315.0	873,505.9
Departments					
Department of Agriculture	22,594.9	0.0	22,256.6	338.2	0.0
Agricultural Research Service	9,048.0	0.0	8,709.8	338.2	0.0
Forest Service	403.4	0.0	403.4	0.0	0.0
National Institute of Food and Agriculture	13,143.4	0.0	13,143.4	0.0	0.0
Department of Defense	176,032.3	3,735.9	44,469.8	104,776.3	23,050.4
Defense Advanced Research Projects Agency	27,847.9	0.0	550.0	27,297.9	0.0
Department of the Air Force	76,003.3	3,735.9	12,967.5	46,637.3	12,662.7
Department of the Army	14,719.8	0.0	5,561.7	5,478.2	3,679.9
Department of the Navy	13,123.1	0.0	1,815.8	4,599.5	6,707.8
Other defense agencies	44,338.2	0.0	23,574.8	20,763.4	0.0
Department of Energy	714,751.8	0.0	182,981.0	398,992.3	132,778.5
Advanced Research Projects Agency—Energy	16,113.9	0.0	0.0	16,113.9	0.0
Fossil Energy	60,441.5	0.0	60,441.5	0.0	0.0
National Nuclear Security Administration	14,650.0	0.0	0.0	900.0	13,750.0
Defense Programs	900.0	0.0	0.0	900.0	0.0
Office of Defense Nuclear Nonproliferation	13,750.0	0.0	0.0	0.0	13,750.0
Office of Science	623,546.4	0.0	122,539.5	381,978.4	119,028.5
Department of Health and Human Services	59,287.8	0.0	58,923.6	364.2	0.0
National Institutes of Health	59,287.8	0.0	58,923.6	364.2	0.0
Department of Homeland Security	4,146.8	0.0	1,283.6	2,863.1	0.0
Countering Weapons of Mass Destruction Office	2,863.1	0.0	0.0	2,863.1	0.0
Science and Technology Directorate	1,283.6	0.0	1,283.6	0.0	0.0
Other agencies					
National Aeronautics and Space Administration	597,958.8	98,393.5	0.0	2,110.2	497,455.1
National Science Foundation	829,940.1	72,149.9	253,697.8	283,870.6	220,221.9

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 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.