

TABLE 8

Federal obligations for science and engineering to universities and colleges, by agency and type of activity: FY 2020

(Dollars in thousands)

Agency	All federal obligations	R&D ^a				R&D plant	Facilities for instruction in S&E	Fellowships, traineeships, and training grants	General support for S&E	Other S&E activities
		Total	Research	Advanced technology development	Major systems development					
All agencies	39,122,152.2	36,569,461.0	na	na	na	400,144.6	19,753.3	1,621,880.0	95,944.0	414,969.3
Department of Agriculture	1,047,286.4	888,031.9	na	na	na	0.0	150.0	52,931.9	5,501.9	100,670.6
Department of Commerce	415,665.2	323,762.0	na	na	na	0.0	0.0	24,975.8	0.0	66,927.4
Department of Defense	2,751,584.8	2,731,859.8	1,231,727.4	455,334.0	1,044,798.5	0.0	12,603.3	62.4	0.0	7,059.3
Department of the Air Force	690,407.2	671,105.1	502,717.8	112,002.1	56,385.2	0.0	12,242.7	0.0	0.0	7,059.3
Department of the Army	539,640.1	539,217.1	441,368.9	59,671.8	38,176.4	0.0	360.6	62.4	0.0	0.0
Department of the Navy	1,098,303.7	1,098,303.7	125,596.3	31,115.0	941,592.4	0.0	0.0	0.0	0.0	0.0
Other Department of Defense	423,233.9	423,233.9	162,044.3	252,545.1	8,644.5	0.0	0.0	0.0	0.0	0.0
Department of Education	208,384.5	188,181.0	na	na	na	0.0	0.0	7,568.6	0.0	12,635.0
Department of Energy	1,672,534.7	1,589,898.7	na	na	na	40,000.0	0.0	42,636.0	0.0	0.0
Department of Health and Human Services	24,883,354.4	23,727,436.3	na	na	na	55,043.1	0.0	1,009,651.3	89,410.1	1,813.6
Administration for Community Living	58,762.3	54,643.8	na	na	na	0.0	0.0	3,886.1	232.4	0.0
Agency for Healthcare Research and Quality	97,776.9	97,776.9	na	na	na	0.0	0.0	0.0	0.0	0.0
Agency for Toxic Substances and Disease Registry	2,102.3	2,102.3	na	na	na	0.0	0.0	0.0	0.0	0.0
Biomedical Advanced Research and Development Authority	274,669.1	273,539.5	na	na	na	0.0	0.0	629.6	0.0	500.0
Centers for Disease Control and Prevention	168,048.4	167,951.2	na	na	na	0.0	0.0	97.2	0.0	0.0
Centers for Medicare and Medicaid Services	9,781.9	9,781.9	na	na	na	0.0	0.0	0.0	0.0	0.0
Food and Drug Administration	75,026.0	75,026.0	na	na	na	0.0	0.0	0.0	0.0	0.0

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		Total	Research	Advanced technology development	Major systems development					
Health Resources and Services Administration	361,235.9	20,510.8	na	na	na	0.0	0.0	340,725.1	0.0	0.0
National Institutes of Health	23,834,351.6	23,026,104.0	na	na	na	55,043.1	0.0	662,713.2	89,177.7	1,313.6
Office of the Assistant Secretary for Planning and Evaluation	1,600.0	0.0	na	na	na	0.0	0.0	1,600.0	0.0	0.0
Department of Homeland Security	26,129.6	26,129.6	na	na	na	0.0	0.0	0.0	0.0	0.0
Countering Weapons of Mass Destruction Office	5,364.5	5,364.5	na	na	na	0.0	0.0	0.0	0.0	0.0
Science and Technology Directorate	20,765.1	20,765.1	na	na	na	0.0	0.0	0.0	0.0	0.0
Department of the Interior	94,447.7	94,447.7	na	na	na	0.0	0.0	0.0	0.0	0.0
Department of Justice	800.0	300.0	na	na	na	0.0	0.0	500.0	0.0	0.0
Department of Transportation	431,269.1	268,554.1	na	na	na	698.0	7,000.0	15,888.2	1,032.0	138,096.8
Other agencies										
Agency for International Development	50,494.1	50,494.1	na	na	na	0.0	0.0	0.0	0.0	0.0
Appalachian Regional Commission	134.2	134.2	na	na	na	0.0	0.0	0.0	0.0	0.0
Environmental Protection Agency	32,792.0	28,728.0	na	na	na	0.0	0.0	4,064.0	0.0	0.0
National Aeronautics and Space Administration	1,324,030.5	1,324,030.5	na	na	na	0.0	0.0	0.0	0.0	0.0
National Science Foundation	6,170,452.2	5,315,823.3	na	na	na	304,403.5	0.0	462,458.7	0.0	87,766.7
Nuclear Regulatory Commission	3,464.5	3,464.5	na	na	na	0.0	0.0	0.0	0.0	0.0
Social Security Administration	9,328.4	8,185.3	na	na	na	0.0	0.0	1,143.1	0.0	0.0

na = not applicable; data were not collected at this level of detail.

S&E = science and engineering.

^a The Department of Defense (DOD) states that more than 90% of its development obligations reported for universities and colleges are performed at university-administered laboratories that are separate from academic departments. Furthermore, DOD states that much of its development obligations are for major systems development, that such obligations differ from its obligations for advanced technology development, and that DOD total development obligations are therefore not comparable with development obligations at other federal agencies. Refer to table 14 for DOD obligations to individual institutions, by R&D breakdown.

Note(s):

Detail may not add to total because of rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, FY 2020.