TABLE 8

Federal obligations for science and engineering to universities and colleges, by agency and type of activity: FY 2021

(Dollars in thousands)

Agency	All federal obligations	R&D[a]				R&D plant	Facilities and equipment for instruction in S&E	S&E fellowships, traineeships, and training grants	Other general support for S&E
		Total	Research	Advanced technology development	Major systems development				
All agencies	43,222,829	39,504,025	2,591,994	1,105,568	922,504	418,694	11,320	1,750,588	1,538,202
Department of Agriculture	1,841,690	1,094,549	na	na	na	0	0	165,977	581,164
Department of Commerce	454,335	397,540	na	na	na	16	0	125	56,654
Department of Defense	5,350,798	4,620,065	2,591,994	1,105,568	922,504	0	5,320	417	724,996
Department of the Air Force	794,456	789,136	671,702	39,571	77,864	0	5,320	0	0
Department of the Army	542,636	542,219	420,423	72,634	49,161	0	0	417	0
Department of the Navy	1,131,523	1,131,523	688,775	93,826	348,922	0	0	0	0
Other Department of Defense	2,882,184	2,157,188	811,094	899,537	446,557	0	0	0	724,996
Department of Education	191,599	181,870	na	na	na	0	0	0	9,729
Department of Energy	1,595,404	1,588,640	na	na	na	5,338	0	1,427	0
Department of Health and Human Services	25,610,027	24,354,825	na	na	na	88,469	0	1,073,591	93,142
Administration for Children and Families	1,800	1,800	na	na	na	0	0	0	0
Administration for Community Living	83,942	80,767	na	na	na	0	0	3,175	0
Agency for Healthcare Research and Quality	92,976	92,976	na	na	na	0	0	0	0
Agency for Toxic Substances and Disease Registry	6,686	6,686	na	na	na	0	0	0	0
Biomedical Advanced Research and Development Authority	11,314	11,314	na	na	na	0	0	0	0
Centers for Disease Control and Prevention	233,184	233,184	na	na	na	0	0	0	0
Centers for Medicare and Medicaid Services	1,160	1,160	na	na	na	0	0	0	0
Food and Drug Administration	71,174	71,174	na	na	na	0	0	0	0

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		Total	Research	Advanced technology development	Major systems development				
Health Resources and Services Administration	401,285	27,570	na	na	na	0	0	373,715	0
National Institutes of Health	24,704,037	23,825,725	na	na	na	88,469	0	696,701	93,142
Office of the Assistant Secretary for Planning and Evaluation	2,469	2,469	na	na	na	0	0	0	0
Department of Homeland Security	36,423	36,423	na	na	na	0	0	0	0
Countering Weapons of Mass Destruction Office	6,974	6,974	na	na	na	0	0	0	0
Science and Technology Directorate	29,448	29,448	na	na	na	0	0	0	0
Department of the Interior	70,800	70,800	na	na	na	0	0	0	0
Department of Justice	36,608	36,608	na	na	na	0	0	0	0
Department of Transportation	169,879	162,235	na	na	na	0	6,000	1,644	0
Department of the Treasury	200	200	na	na	na	0	0	0	0
Other agencies									
Agency for International Development	15,050	15,050	na	na	na	0	0	0	0
Appalachian Regional Commission	113	113	na	na	na	0	0	0	0
Consumer Product Safety Commission	150	150	na	na	na	0	0	0	0
Environmental Protection Agency	46,981	46,981	na	na	na	0	0	0	0
National Aeronautics and Space Administration	1,395,567	1,395,557	na	na	na	0	0	10	0
National Science Foundation	6,380,720	5,486,619	na	na	na	324,871	0	496,713	72,517
Nuclear Regulatory Commission	20,360	9,675	na	na	na	0	0	10,685	0

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		Total	Research	Advanced technology development	Major systems development				
Social Security Administration	6,124	6,124	na	na	na	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 Funds for Research and Development, FYs 2021–22, Federal Science and Engineering Support Module.