

TABLE 54

**Federal obligations for experimental development performed at higher education institutions, by agency and field of R&D: FY 2022**

(Dollars in thousands)

Agency	Total	Computer and information sciences	Geosciences, atmospheric sciences, and ocean sciences	Life sciences	Mathematics and statistics	Physical sciences	Psychology	Social sciences	Engineering	Other fields
All agencies	3,109,857	61,924	121,630	935,500	4,238	718,347	7,648	5,497	943,170	311,903
Departments										
Department of Agriculture	30,473	47	0	7,396	0	0	0	0	0	23,030
Agricultural Research Service	23,030	0	0	0	0	0	0	0	0	23,030
Animal and Plant Health Inspection Service	7,155	0	0	7,155	0	0	0	0	0	0
National Agricultural Statistics Service	47	47	0	0	0	0	0	0	0	0
Natural Resources Conservation Service	241	0	0	241	0	0	0	0	0	0
Department of Commerce	94,591	250	60,335	3,194	252	1,437	0	3,385	24,810	929
National Institute of Standards and Technology	24,248	0	0	0	0	0	0	0	24,248	0
National Oceanic and Atmospheric Administration	70,343	250	60,335	3,194	252	1,437	0	3,385	562	929
Department of Defense	2,143,238	48,728	17,077	898,330	3,987	216,332	7,648	1,804	712,658	236,675
Defense Advanced Research Projects Agency	107,476	2,260	0	0	0	638	0	0	49,975	54,602
Defense Health Agency	831,735	0	0	831,735	0	0	0	0	0	0
Department of the Air Force	178,763	541	279	49	4	2,923	0	0	122,874	52,093
Department of the Army	188,654	24,517	1,782	37,570	3,983	14,395	6,752	904	15,017	83,735
Department of the Navy	459,451	5,772	9,664	11,661	0	180,451	0	647	249,916	1,341
Space Force	30,799	823	0	0	0	0	0	0	22,349	7,627
Other defense agencies	346,359	14,815	5,352	17,315	0	17,925	896	253	252,526	37,277
Department of Education	43,452	0	0	0	0	0	0	0	0	43,452
Department of Energy	208,107	12,275	0	6,351	0	10,606	0	0	178,875	0

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Advanced Research Projects Agency—Energy	73,287	3,507	0	6,351	0	10,606	0	0	52,823	0
Electricity Delivery and Energy Reliability	3,602	0	0	0	0	0	0	0	3,602	0
Energy Efficiency and Renewable Energy	120,741	0	0	0	0	0	0	0	120,741	0
National Nuclear Security Administration	1,360	0	0	0	0	0	0	0	1,360	0
Defense Programs	10	0	0	0	0	0	0	0	10	0
Naval Nuclear Propulsion Program	1,350	0	0	0	0	0	0	0	1,350	0
Nuclear Energy	348	0	0	0	0	0	0	0	348	0
Office of Cybersecurity, Energy Security, and Emergency Response	8,768	8,768	0	0	0	0	0	0	0	0
Department of Health and Human Services	2,215	0	0	1,322	0	0	0	0	0	893
Biomedical Advanced Research and Development Authority	100	0	0	100	0	0	0	0	0	0
Centers for Disease Control and Prevention	1,222	0	0	1,222	0	0	0	0	0	0
Health Resources and Services Administration	893	0	0	0	0	0	0	0	0	893
Department of Homeland Security	6,441	0	0	0	0	0	0	0	5,923	517
Science and Technology Directorate	6,441	0	0	0	0	0	0	0	5,923	517
Department of the Interior	12,309	0	7,067	625	0	508	0	309	3,800	0
Bureau of Land Management	401	0	0	401	0	0	0	0	0	0

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Bureau of Ocean Energy Management	170	0	77	0	0	9	0	85	0	0
Bureau of Reclamation	3,199	0	0	0	0	0	0	0	3,199	0
Bureau of Safety and Environmental Enforcement	1,101	0	0	0	0	500	0	0	601	0
Geological Survey	6,991	0	6,991	0	0	0	0	0	0	0
National Park Service	447	0	0	224	0	0	0	224	0	0
Department of Justice	913	624	0	0	0	289	0	0	0	0
Office of Justice Programs	913	624	0	0	0	289	0	0	0	0
Department of Transportation	3,856	0	0	0	0	0	0	0	822	3,033
Federal Aviation Administration	3,033	0	0	0	0	0	0	0	0	3,033
Federal Railroad Administration	822	0	0	0	0	0	0	0	822	0
Other agencies										
Agency for International Development	20,782	0	0	18,282	0	0	0	0	0	2,500
National Aeronautics and Space Administration	543,480	0	37,151	0	0	489,174	0	0	16,281	874

**Note(s):**

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2022 obligations include additional funding provided by supplemental COVID-19 pandemic-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 2022–23.