

TABLE 52

## Federal obligations for applied research performed at higher education institutions, by agency and field of R&amp;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	16,808,860	399,645	704,711	10,073,227	109,915	480,015	1,469,912	573,349	2,015,822	982,265
Departments										
Department of Agriculture	602,498	4,741	13,050	410,468	3,448	19,416	11,353	55,759	34,329	49,935
Agricultural Research Service	92,120	120	405	84,631	0	5,914	0	221	829	0
Economic Research Service	5,166	0	0	0	0	0	0	5,166	0	0
Forest Service	20,762	1,163	4,703	8,881	0	316	0	5,318	380	0
National Agricultural Statistics Service	54	54	0	0	0	0	0	0	0	0
National Institute of Food and Agriculture	483,754	3,405	7,941	316,314	3,448	13,185	11,353	45,053	33,120	49,935
Natural Resources Conservation Service	642	0	0	642	0	0	0	0	0	0
Department of Commerce	300,880	6,278	226,011	12,512	157	10,619	0	6,961	35,983	2,359
National Institute of Standards and Technology	40,120	4,705	2,247	115	0	905	0	374	31,774	0
National Oceanic and Atmospheric Administration	260,759	1,573	223,763	12,397	157	9,714	0	6,587	4,208	2,359
Department of Defense	947,167	202,178	145,334	166,572	3,382	24,239	14,246	196	342,701	48,320
Defense Advanced Research Projects Agency	310,374	160,513	11,910	82,389	0	3,970	8,164	0	42,888	540
Defense Health Agency	34,264	0	0	34,264	0	0	0	0	0	0
Department of the Air Force	57,316	390	0	128	2	236	*	*	56,433	128
Department of the Army	148,579	13,103	917	23,007	3,380	497	5,605	0	67,749	34,323
Department of the Navy	347,537	22,037	132,155	14,725	0	11,544	252	0	164,257	2,568
Other defense agencies	49,096	6,135	352	12,059	0	7,993	224	196	11,375	10,762
Department of Education	121,735	0	0	0	0	0	0	0	0	121,735
Department of Energy	318,128	12,777	7,640	6,351	0	33,164	0	0	258,197	0
Advanced Research Projects Agency – Energy	73,287	3,507	0	6,351	0	10,606	0	0	52,823	0

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Electricity Delivery and Energy Reliability	3,663	0	0	0	0	0	0	0	3,663	0
Energy Efficiency and Renewable Energy	88,000	0	0	0	0	0	0	0	88,000	0
Fossil Energy	80,418	0	7,640	0	0	12,786	0	0	59,992	0
National Nuclear Security Administration	9,857	0	0	0	0	9,772	0	0	85	0
Defense Programs	9,807	0	0	0	0	9,772	0	0	35	0
Office of Defense Nuclear Nonproliferation	50	0	0	0	0	0	0	0	50	0
Nuclear Energy	53,634	0	0	0	0	0	0	0	53,634	0
Office of Cybersecurity, Energy Security, and Emergency Response	9,270	9,270	0	0	0	0	0	0	0	0
Department of Health and Human Services	13,259,050	1,828	191,506	9,387,676	100,839	347,736	1,441,813	471,213	944,777	371,661
Administration for Children and Families	1,800	0	0	0	0	0	0	1,800	0	0
Administration for Community Living	77,027	0	0	0	0	0	0	77,027	0	0
Agency for Healthcare Research and Quality	103,809	1,828	0	1,192	0	10,848	0	10,152	79,789	0
Agency for Toxic Substances and Disease Registry	7,529	0	7,529	0	0	0	0	0	0	0
Biomedical Advanced Research and Development Authority	46,050	0	0	46,050	0	0	0	0	0	0
Centers for Disease Control and Prevention	208,955	0	0	177,462	0	0	0	30,180	1,314	0
Food and Drug Administration	82,155	0	0	82,155	0	0	0	0	0	0
Health Resources and Services Administration	30,121	0	0	30,121	0	0	0	0	0	0
National Institutes of Health	12,701,157	0	183,978	9,050,696	100,839	336,889	1,441,813	351,608	863,674	371,661



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Agency for International Development	32,549	0	0	31,599	0	0	0	0	0	950
Appalachian Regional Commission	162	0	0	0	0	0	0	162	0	0
Environmental Protection Agency	46,217	633	19,049	18,258	351	1,104	0	267	6,555	0
National Aeronautics and Space Administration	208,129	0	60,530	14,706	0	17,312	0	0	115,570	11
National Science Foundation	748,262	169,194	13,895	5,488	692	18,481	10	1,975	154,499	384,028
Nuclear Regulatory Commission	15,592	0	0	0	0	0	0	0	15,592	0
Social Security Administration	3,825	0	0	0	0	0	0	3,825	0	0

\* = amount greater than \$0 but less than \$500.

**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.