

TABLE 9

**Federal obligations for extramural R&D and R&D plant, by type of agreement and agency: FY 2022**

(Dollars in thousands)

Agency	Total R&D and R&D plant		R&D		R&D plant	
	Contracts	Grants	Contracts	Grants	Contracts	Grants
All agencies	52,896,980	53,004,750	51,882,247	52,379,068	1,014,733	625,682
Departments						
Department of Agriculture	295,445	995,151	295,445	995,151	0	0
Agricultural Research Service	258,690	0	258,690	0	0	0
Animal and Plant Health Inspection Service	0	14,386	0	14,386	0	0
Economic Research Service	9,756	0	9,756	0	0	0
Forest Service	26,298	6,390	26,298	6,390	0	0
National Agricultural Statistics Service	701	0	701	0	0	0
National Institute of Food and Agriculture	0	973,378	0	973,378	0	0
Natural Resources Conservation Service	0	997	0	997	0	0
Department of Commerce	54,723	515,403	54,723	515,403	0	0
National Institute of Standards and Technology	26,432	154,562	26,432	154,562	0	0
National Oceanic and Atmospheric Administration	28,291	360,841	28,291	360,841	0	0
Department of Defense	36,226,198	6,482,355	36,200,003	6,482,355	26,195	0
Defense Advanced Research Projects Agency	94,626	3,059,558	94,626	3,059,558	0	0
Defense Health Agency	512,963	1,463,519	512,963	1,463,519	0	0
Department of the Air Force	5,268,248	925,326	5,258,242	925,326	10,006	0
Department of the Army	7,450,047	0	7,450,047	0	0	0
Department of the Navy	9,171,316	637,720	9,158,402	637,720	12,914	0
Space Force	4,256,529	5,389	4,256,529	5,389	0	0
Other defense agencies	9,472,469	390,843	9,469,194	390,843	3,275	0
Department of Education	55,358	346,164	55,358	346,164	0	0
Department of Energy	2,592,807	2,228,407	1,771,861	2,212,829	820,946	15,578
Advanced Research Projects Agency—Energy	18,128	333,663	18,128	333,663	0	0
Electricity Delivery and Energy Reliability	29,310	0	29,310	0	0	0
Energy Efficiency and Renewable Energy	597,698	0	597,698	0	0	0
Environmental Management	6,686	0	6,686	0	0	0
Fossil Energy	0	110,718	0	110,718	0	0
National Nuclear Security Administration	1,898,757	15,050	1,078,782	15,050	819,976	0
Defense Programs	550,379	0	304,923	0	245,456	0
Naval Nuclear Propulsion Program	1,324,656	0	750,136	0	574,520	0
Office of Defense Nuclear Nonproliferation	23,722	15,050	23,722	15,050	0	0
Nuclear Energy	21,620	192,943	20,650	191,666	971	1,278
Office of Cybersecurity, Energy Security, and Emergency Response	20,607	355	20,607	355	0	0
Office of Science	0	1,575,678	0	1,561,378	0	14,300
Department of Health and Human Services	5,614,098	33,332,542	5,614,005	33,168,699	93	163,843
Administration for Children and Families	0	4,863	0	4,863	0	0
Administration for Community Living	0	106,731	0	106,731	0	0
Agency for Healthcare Research and Quality	46,783	220,634	46,783	220,634	0	0
Agency for Toxic Substances and Disease Registry	0	11,777	0	11,777	0	0
Biomedical Advanced Research and Development Authority	2,644,314	0	2,644,221	0	93	0
Centers for Disease Control and Prevention	177,636	292,149	177,636	292,149	0	0
Centers for Medicare and Medicaid Services	399,808	19,297	399,808	19,297	0	0
Food and Drug Administration	0	164,458	0	164,458	0	0
Health Resources and Services Administration	1,605	36,572	1,605	36,572	0	0
National Institutes of Health	2,318,555	32,467,460	2,318,555	32,303,616	0	163,843
Office of the Secretary of Health and Human Services	25,397	8,601	25,397	8,601	0	0
Office of the Assistant Secretary for Planning and Evaluation	25,397	8,601	25,397	8,601	0	0
Department of Homeland Security	257,724	43,297	257,002	43,297	722	0

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	Contracts	Grants	Contracts	Grants	Contracts	Grants
Coast Guard	7,476	0	7,476	0	0	0
Countering Weapons of Mass Destruction Office	21,665	14,443	21,665	14,443	0	0
Cybersecurity and Infrastructure Security Agency	4,274	0	4,274	0	0	0
Science and Technology Directorate	224,137	28,854	223,415	28,854	722	0
Secret Service	171	0	171	0	0	0
Transportation Security Administration	*	0	*	0	0	0
Department of the Interior	39,308	73,087	34,215	73,087	5,092	0
Bureau of Indian Affairs	0	5,000	0	5,000	0	0
Bureau of Land Management	7,504	0	7,504	0	0	0
Bureau of Ocean Energy Management	16,314	11,942	16,314	11,942	0	0
Bureau of Reclamation	3,695	5,183	2,845	5,183	850	0
Bureau of Safety and Environmental Enforcement	10,745	0	6,503	0	4,242	0
Geological Survey	1,050	40,005	1,050	40,005	0	0
National Park Service	0	10,957	0	10,957	0	0
Department of Justice	28,709	74,374	28,709	74,374	0	0
Federal Bureau of Investigation	8,838	0	8,838	0	0	0
Office of Justice Programs	19,870	74,374	19,870	74,374	0	0
Department of Labor	1,009	0	1,009	0	0	0
Employee Benefits Security Administration	1,009	0	1,009	0	0	0
Department of Transportation	533,050	287,099	496,151	287,099	36,899	0
Federal Aviation Administration	291,362	59,558	257,986	59,558	33,376	0
Federal Highway Administration	98,882	211,874	98,882	211,874	0	0
Federal Motor Carrier Safety Administration	12,895	0	12,895	0	0	0
Federal Railroad Administration	29,925	0	26,903	0	3,023	0
Federal Transit Administration	0	5,959	0	5,959	0	0
National Highway Traffic Safety Administration	87,324	4,915	86,824	4,915	500	0
Office of the Secretary of Transportation	2,269	0	2,269	0	0	0
Pipeline and Hazardous Materials Safety Administration	10,392	4,794	10,392	4,794	0	0
Department of the Treasury	35,621	510	35,621	510	0	0
Bureau of Engraving and Printing	35,621	510	35,621	510	0	0
Other agencies						
Agency for Global Media	7,622	0	7,622	0	0	0
Agency for International Development	19,348	178,637	19,348	178,637	0	0
Appalachian Regional Commission	804	0	804	0	0	0
Environmental Protection Agency	199,586	57,595	193,786	57,595	5,800	0
National Aeronautics and Space Administration	6,590,803	1,105,526	6,471,850	1,105,526	118,953	0
National Science Foundation	266,655	6,732,795	266,624	6,286,534	32	446,261
Nuclear Regulatory Commission	12,344	15,592	12,344	15,592	0	0
Patient-Centered Outcomes Research Trust Fund	0	521,671	0	521,671	0	0
Postal Service	13,860	0	13,860	0	0	0
RESTORE Act Centers of Excellence Research Grants Program	0	6,960	0	6,960	0	0
Social Security Administration	23,655	7,584	23,655	7,584	0	0
Tennessee Valley Authority	28,254	0	28,254	0	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.