

TABLE 19

**Federal obligations for research and experimental development to federally funded research and development centers, by sponsoring agency and funding agency: FY 2021**

(Dollars in thousands)

FFRDC	Total R&D	Funding agency							
		DHS	DOC	DOD	DOE	HHS	NASA	NSF	Other <sup>a</sup>
All agencies sponsoring FFRDCs	14,791,390	71,103	20,709	3,501,650	7,904,787	728,866	2,051,453	298,451	214,372
Departments									
Department of Commerce	33,501	0	19,914	13,586	0	0	0	0	0
National Cybersecurity Center of Excellence	33,501	0	19,914	13,586	0	0	0	0	0
Department of Defense	2,915,444	0	0	2,874,866	0	0	35,838	4,740	0
Aerospace FFRDC	552,436	0	0	516,597	0	0	35,838	0	0
Arroyo Center	2,710	0	0	2,710	0	0	0	0	0
Center for Communications and Computing	57,748	0	0	57,748	0	0	0	0	0
Center for Naval Analyses	53,281	0	0	53,281	0	0	0	0	0
Lincoln Laboratory	975,858	0	0	975,858	0	0	0	0	0
NSEC—Bedford, MA	890,187	0	0	890,187	0	0	0	0	0
NSEC—McLean, VA	59,155	0	0	59,155	0	0	0	0	0
National Defense Research Institute	18,107	0	0	13,367	0	0	0	4,740	0
Project Air Force	51,416	0	0	51,416	0	0	0	0	0
Software Engineering Institute	64,146	0	0	64,146	0	0	0	0	0
Systems and Analyses Center	190,401	0	0	190,401	0	0	0	0	0
Department of Energy	8,554,345	21,359	0	515,273	7,904,472	58,185	23,397	0	31,659
Ames Laboratory	30,513	0	0	0	30,513	0	0	0	0
Argonne National Laboratory	660,504	60	0	5,035	648,417	4,228	0	0	2,766
Brookhaven National Laboratory	513,814	524	0	0	502,770	3,600	6,186	0	734
Fermi National Accelerator Laboratory	297,623	0	0	0	297,623	0	0	0	0
Idaho National Laboratory	270,623	3,112	0	3,759	258,846	0	250	0	4,655
Lawrence Berkeley National Laboratory	831,585	0	0	12,905	797,934	18,015	2,731	0	0
Lawrence Livermore National Laboratory	1,142,047	12,915	0	79,345	1,043,664	1,219	1,550	0	3,354
Los Alamos National Laboratory	942,044	1,000	0	46,194	875,961	5,632	11,537	0	1,720
National Renewable Energy Laboratory	457,685	0	0	4,074	453,297	0	0	0	313
Oak Ridge National Laboratory	1,169,440	685	0	34,976	1,123,627	616	0	0	9,536
Pacific Northwest National Laboratory	485,925	1,721	0	26,124	433,499	21,380	0	0	3,201
Princeton Plasma Physics Laboratory	126,515	0	0	0	126,515	0	0	0	0
SLAC National Accelerator Laboratory	334,039	441	0	828	330,759	2,012	0	0	0
Sandia National Laboratories	1,036,941	420	0	232,393	796,122	1,485	1,143	0	5,379
Savannah River National Laboratory	69,359	482	0	17,470	51,407	0	0	0	0
Thomas Jefferson National Accelerator Facility	185,688	0	0	52,170	133,518	0	0	0	0
Department of Health and Human Services	686,855	15,788	0	386	0	670,681	0	0	0
CMS Alliance to Modernize Healthcare	13,819	0	0	0	0	13,819	0	0	0
Frederick National Laboratory for Cancer Research	673,036	15,788	0	386	0	656,862	0	0	0
Department of Homeland Security	39,749	33,955	0	5,794	0	0	0	0	0
Homeland Security Operational Analysis Center	6,346	6,346	0	0	0	0	0	0	0
Homeland Security Systems Engineering and Development Institute	33,404	27,610	0	5,794	0	0	0	0	0
Department of Justice	4,362	0	0	0	0	0	0	0	4,362
Judiciary Engineering and Modernization Center	4,362	0	0	0	0	0	0	0	4,362
Department of Transportation	101,961	0	0	17,607	0	0	0	0	84,354
Center for Advanced Aviation System Development	101,961	0	0	17,607	0	0	0	0	84,354

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FFRDC	Total R&D	Funding agency							
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Departments of Treasury and Veterans Affairs, and the Social Security Administration	127,526	0	0	35,979	0	0	0	0	91,547
Center for Enterprise Modernization	127,526	0	0	35,979	0	0	0	0	91,547
Other agencies									
National Aeronautics and Space Administration	2,007,599	0	0	15,132	0	0	1,992,218	0	250
Jet Propulsion Laboratory	2,007,599	0	0	15,132	0	0	1,992,218	0	250
National Science Foundation	297,129	0	794	2,309	315	0	0	293,711	0
Green Bank Observatory	8,900	0	0	0	0	0	0	8,900	0
NSF's National Optical-Infrared Astronomy Research Laboratory	60,317	0	0	0	0	0	0	60,317	0
National Center for Atmospheric Research	106,662	0	794	1,767	0	0	0	104,100	0
National Radio Astronomy Observatory	98,205	0	0	0	0	0	0	98,205	0
National Solar Observatory	22,188	0	0	0	0	0	0	22,188	0
Science and Technology Policy Institute	857	0	0	542	315	0	0	0	0
Nuclear Regulatory Commission	22,918	0	0	20,718	0	0	0	0	2,201
Center for Nuclear Waste Regulatory Analyses	22,918	0	0	20,718	0	0	0	0	2,201

DHS = Department of Homeland Security; DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; FFRDC = federally funded research and development center; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation.

<sup>a</sup> Includes data for the Departments of Transportation, Veterans Affairs, the Interior, and the Treasury; the Administrative Office of the U.S. Courts; the Environmental Protection Agency; and the Nuclear Regulatory Commission.

**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 2021 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 2021–22.