

TABLE 59

Federal obligations for R&D plant, by state or location and performer: FY 2021

(Dollars in thousands)

State or location	Total	Intramural		Extramural			
		Federal agencies ^a	FFRDCs	United States and U.S. territories			
				Businesses	Higher education ^b	Nonprofit organizations	State and local governments
All locations	4,282,202	882,770	2,019,120	858,176	360,338	155,441	6,358
Alabama	7,174	2,142	0	700	4,331	0	0
Alaska	8,646	7,963	0	*	679	0	0
Arizona	11,455	718	0	0	10,737	0	0
Arkansas	2,714	0	0	0	2,714	0	0
California	656,330	31,506	537,354	17,417	54,586	15,467	0
Colorado	137,025	82,377	41,696	*	12,939	0	0
Connecticut	20,080	0	0	*	20,068	0	0
Delaware	1,012	0	0	0	1,012	0	0
District of Columbia	134,294	57,552	0	9,059	1,455	66,228	0
Florida	73,563	59,517	0	2,491	11,555	0	0
Georgia	22,429	8,099	0	4,048	10,282	0	0
Hawaii	5,963	3,859	0	*	1,965	133	0
Idaho	321,918	0	1,233	311,587	9,097	0	0
Illinois	532,836	11,312	503,830	705	16,831	158	0
Indiana	2,396	0	0	0	2,396	0	0
Iowa	4,544	0	4,250	0	294	0	0
Kansas	12,688	8,569	0	0	4,118	0	0
Kentucky	5,981	0	0	0	5,981	0	0
Louisiana	29,836	15,593	0	4,779	9,464	0	0
Maine	0	0	0	0	0	0	0
Maryland	425,711	409,567	0	15,146	997	0	0
Massachusetts	22,053	*	0	*	16,849	5,154	0
Michigan	14,816	0	0	*	14,775	0	0
Minnesota	1,713	0	0	254	1,459	0	0
Mississippi	11,844	11,627	0	0	217	0	0
Missouri	11,205	0	0	6,338	4,867	0	0
Montana	305	0	0	*	268	0	0
Nebraska	2,255	360	0	0	1,895	0	0
Nevada	195,150	11,660	0	183,490	0	0	0
New Hampshire	7,437	3,859	0	251	3,327	0	0
New Jersey	204,964	0	14,856	186,119	3,989	0	0
New Mexico	202,430	15,544	141,683	802	44,402	0	0
New York	157,399	25,026	119,044	9,635	3,694	0	0
North Carolina	19,111	1,329	0	2,352	15,430	0	0
North Dakota	3,092	0	0	467	2,626	0	0
Ohio	66,737	0	0	1,721	*	65,000	0
Oklahoma	13,124	156	0	659	12,309	0	0
Oregon	27,190	20,117	0	222	6,851	0	0
Pennsylvania	24,616	4,661	0	16,614	3,341	0	0
Rhode Island	16,858	16,353	0	215	290	0	0
South Carolina	14,978	12,849	2,129	0	0	0	0
South Dakota	6,883	0	0	0	525	0	6,358
Tennessee	672,544	55	608,849	54,587	9,052	0	0
Texas	65,834	43,150	0	96	20,592	1,997	0
Utah	802	0	0	0	802	0	0
Vermont	730	0	0	0	730	0	0

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Virginia	56,910	6,812	14,949	28,232	6,901	*	0
Washington	36,058	4,108	29,247	0	2,703	0	0
West Virginia	1,557	0	0	0	268	1,289	0
Wisconsin	2,085	1,425	0	0	660	0	0
Wyoming	0	0	0	0	0	0	0
Outlying areas	4,927	4,888	0	*	0	0	0
Puerto Rico	325	286	0	*	0	0	0
Other areas ^c	4,602	4,602	0	0	0	0	0
Offices abroad ^d	0	0	0	0	0	0	0
Undistributed ^e	0	0	0	0	0	0	0

* = amount greater than \$0 but less than \$50,000.

FFRDC = federally funded research and development center.

^a Federal agencies' activities cover costs associated with the administration of federal R&D performance and R&D procurements from nonfederal performers by federal personnel, transfers of funds to other federal agencies for purposes related to R&D, as well as actual federal performance.^b Higher education includes both public and private institutions as well as University Affiliated Research Centers.^c Includes American Samoa, Baker Island, Guam, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Navassa Island, Northern Mariana Islands, Palmyra Atoll, U.S. Virgin Islands, and Wake Island..^d Includes federal obligations for R&D plant located in foreign countries.^e Department of Defense (DOD) obligations for which the location of performance is not reported.**Note(s):**

Because of rounding, detail may not add to total. As of volume 71 (FYs 2021–22), FFRDCs are classified as intramural R&D performers, whereas they were extramural in previous volumes; therefore, data are not directly comparable across volumes. Past years in the trend tables have been adjusted to reflect the current classification of FFRDCs. 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).

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2021–22.