

TABLE 88

Federal obligations for research and experimental development and for R&D plant for selected agencies, by state or location: FY 2020

(Dollars in thousands)

State or location	Total	R&D	R&D plant
All locations	169,042,503.9	162,959,085.2	6,083,419.1
Alabama	3,128,282.3	3,070,409.3	57,873.0
Alaska	291,297.5	278,935.0	12,362.6
Arizona	1,941,915.9	1,938,848.0	3,067.9
Arkansas	501,863.3	501,283.1	580.3
California	23,133,708.5	22,464,304.1	669,404.4
Colorado	5,164,931.2	5,024,162.0	140,769.3
Connecticut	2,566,287.6	2,566,181.7	105.9
Delaware	227,166.0	221,625.6	5,540.5
District of Columbia	16,412,196.1	16,314,674.4	97,521.6
Florida	4,188,871.8	4,061,105.1	127,766.7
Georgia	1,950,724.3	1,912,787.9	37,936.4
Hawaii	399,957.8	393,877.5	6,080.4
Idaho	1,089,981.2	840,359.6	249,621.6
Illinois	3,786,521.5	3,208,955.0	577,566.5
Indiana	1,105,432.8	1,104,109.4	1,323.4
Iowa	706,289.5	702,068.0	4,221.5
Kansas	365,790.4	352,337.6	13,452.8
Kentucky	418,330.2	354,252.4	64,077.7
Louisiana	461,044.2	436,645.1	24,399.0
Maine	185,145.9	185,145.9	0.0
Maryland	24,564,090.6	22,736,194.9	1,827,895.7
Massachusetts	8,871,221.4	8,850,302.8	20,918.5
Michigan	1,975,956.3	1,924,825.7	51,130.6
Minnesota	1,450,308.1	1,447,555.5	2,752.6
Mississippi	484,031.1	471,970.2	12,060.9
Missouri	2,124,734.7	2,079,638.9	45,095.7
Montana	215,353.5	213,205.6	2,147.9
Nebraska	254,860.8	254,860.8	0.0
Nevada	340,055.3	305,900.0	34,155.3
New Hampshire	486,679.2	483,307.8	3,371.4
New Jersey	2,925,981.0	2,884,975.1	41,005.9
New Mexico	3,574,744.4	3,501,956.2	72,788.2
New York	8,381,456.2	8,148,161.8	233,294.4
North Carolina	3,325,055.1	3,271,375.6	53,679.6
North Dakota	141,450.5	140,075.8	1,374.7
Ohio	5,297,068.7	5,215,661.1	81,407.6
Oklahoma	540,792.3	536,709.2	4,083.2
Oregon	866,884.2	814,311.9	52,572.3
Pennsylvania	5,428,233.1	5,214,140.2	214,093.0
Rhode Island	903,558.9	875,650.3	27,908.6
South Carolina	837,051.3	821,547.5	15,503.8
South Dakota	138,437.6	130,890.0	7,547.6
Tennessee	3,844,787.4	3,151,030.3	693,757.1
Texas	6,262,853.3	6,135,035.6	127,817.6
Utah	1,141,251.5	1,140,726.7	524.8
Vermont	135,333.7	129,254.4	6,079.3
Virginia	9,807,384.6	9,650,204.4	157,180.2
Washington	3,402,084.0	3,280,001.8	122,082.2

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(Dollars in thousands)

State or location	Total	R&D	R&D plant
West Virginia	152,159.9	150,437.5	1,722.5
Wisconsin	975,777.2	907,886.0	67,891.2
Wyoming	92,724.7	86,676.8	6,047.9
Outlying areas	197,310.9	195,453.7	1,857.3
Puerto Rico	89,230.4	88,075.5	1,154.9
Other areas ^a	108,080.6	107,378.2	702.4
Offices abroad ^b	47,928.2	47,928.2	0.0
Undistributed ^c	1,829,166.2	1,829,166.2	0.0

^a 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.

^b Includes R&D performed or administered in foreign countries by the U.S. government and federal obligations for R&D plant located in foreign countries.

^c 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. Eleven agencies are required to report data for this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, the Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. Obligations of these 11 agencies represented more than 97% of total federal R&D and R&D plant obligations in FY 2020. Geographic distribution of DOD development funding to industry reflects location of prime contractors and not the numerous subcontractors who perform much of the R&D. FYs 2020 obligations include additional funding provided by supplemental COVID-19 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 2020–21.