

TABLE 88

Federal obligations for research and experimental development and for R&D plant for selected agencies, by state or location: FY 2019

(Dollars in thousands)

State or location	Total	R&D	R&D plant
All locations	142,499,708.8	138,170,254.9	4,329,453.9
Alabama	5,539,805.1	5,414,464.9	125,340.2
Alaska	340,888.7	334,240.4	6,648.3
Arizona	2,013,773.0	2,001,235.9	12,537.1
Arkansas	179,019.8	179,019.8	0.0
California	19,835,122.2	19,158,610.5	676,511.6
Colorado	5,632,971.8	5,267,919.7	365,052.1
Connecticut	2,674,716.6	2,673,235.2	1,481.4
Delaware	172,646.5	163,086.6	9,559.9
District of Columbia	6,378,676.5	6,228,175.8	150,500.7
Florida	3,925,780.9	3,892,005.0	33,775.9
Georgia	1,510,510.6	1,503,918.0	6,592.6
Hawaii	436,229.5	411,940.0	24,289.5
Idaho	923,310.3	919,915.3	3,395.0
Illinois	3,469,680.5	2,998,344.6	471,335.8
Indiana	902,947.2	894,094.8	8,852.3
Iowa	519,861.0	517,779.2	2,081.8
Kansas	294,816.8	282,617.3	12,199.5
Kentucky	320,174.1	313,350.7	6,823.4
Louisiana	457,919.7	432,060.3	25,859.4
Maine	189,363.5	189,013.5	350.0
Maryland	17,640,752.4	16,992,340.3	648,412.2
Massachusetts	6,877,570.7	6,837,816.2	39,754.5
Michigan	2,138,319.1	2,053,699.5	84,619.7
Minnesota	1,032,347.9	1,029,355.9	2,992.0
Mississippi	518,664.1	505,111.8	13,552.4
Missouri	2,386,259.0	2,375,132.7	11,126.3
Montana	191,413.0	191,393.8	19.1
Nebraska	244,549.9	243,708.3	841.6
Nevada	376,060.9	375,083.5	977.4
New Hampshire	670,578.9	669,304.6	1,274.3
New Jersey	2,915,268.6	2,834,421.1	80,847.5
New Mexico	4,012,491.0	3,755,707.3	256,783.6
New York	6,291,990.4	6,162,335.7	129,654.7
North Carolina	2,440,375.1	2,417,439.8	22,935.4
North Dakota	73,249.5	73,020.1	229.4
Ohio	5,282,785.0	5,188,238.0	94,547.0
Oklahoma	516,671.9	505,865.6	10,806.3
Oregon	841,299.5	696,901.8	144,397.7
Pennsylvania	4,104,864.5	4,092,542.5	12,322.0
Rhode Island	750,257.0	722,584.7	27,672.4
South Carolina	667,768.3	645,951.1	21,817.2
South Dakota	89,152.7	88,897.7	255.0
Tennessee	4,091,509.7	3,578,413.6	513,096.1
Texas	5,132,018.1	5,067,493.3	64,524.8
Utah	1,301,136.4	1,301,136.4	0.0
Vermont	120,795.1	119,948.0	847.1
Virginia	8,132,740.7	8,028,901.8	103,838.9
Washington	3,251,187.6	3,195,255.2	55,932.3

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(Dollars in thousands)

State or location	Total	R&D	R&D plant
West Virginia	142,665.2	141,895.2	770.0
Wisconsin	852,075.0	839,542.6	12,532.4
Wyoming	78,203.3	67,645.9	10,557.3
Outlying areas	539,028.3	520,697.2	18,331.1
Puerto Rico	97,227.1	81,769.7	15,457.4
Other areas ^a	441,801.2	438,927.5	2,873.7
Offices abroad ^b	4,335.6	4,335.6	0.0
Undistributed ^c	3,073,110.3	3,073,110.3	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, and Department of Health and Human Services' Biomedical Advanced Research and Development Authority obligations for which the location of performance could not be reported for FY 2019.

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 2019. 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.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2019–20.