

TABLE 2

State government expenditures for R&D and R&D plant, by state and performer: FY 2019

(Dollars)

| State | All R&D expenditures ^a | Intramural performers ^b | Extramural performers ^c | | | R&D plant | |
|----------------------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------|--|-------------|--------------------|
| | | | Total | Academic institutions | Companies and individuals ^d | | Other ^e |
| United States ^f | 2,426,882,959 | 676,171,326 | 1,750,711,633 | 1,024,316,554 | 438,222,437 | 288,172,642 | 10,290,679 |
| Alabama | 19,763,230 | 7,412,961 | 12,350,269 | 6,601,893 | 143,357 | 5,605,019 | 0 |
| Alaska | 12,502,109 | 8,920,501 | 3,581,608 | 816,177 | 2,412,402 | 353,029 | 0 |
| Arizona | 17,332,044 | 761,096 | 16,570,948 | 11,068,716 | 900,213 | 4,602,019 | 0 |
| Arkansas | 21,098,863 | 66,099 | 21,032,764 | 20,576,710 | 447,500 | 8,554 | 0 |
| California | 526,918,585 | 73,081,146 | 453,837,439 | 159,254,746 | 187,118,114 | 107,464,579 | 338,000 |
| Colorado | 36,586,577 | 11,900,858 | 24,685,719 | 11,714,288 | 12,536,431 | 435,000 | 0 |
| Connecticut | 57,241,037 | 24,679,641 | 32,561,396 | 12,120,941 | 18,862,144 | 1,578,311 | 0 |
| Delaware | 3,826,318 | 2,558,634 | 1,267,684 | 741,945 | 449,251 | 76,488 | 0 |
| District of Columbia | 4,222,412 | 1,888,642 | 2,333,770 | 881,908 | 1,251,862 | 200,000 | 0 |
| Florida | 170,508,724 | 50,604,692 | 119,904,032 | 72,945,728 | 4,605,749 | 42,352,555 | 4,168,184 |
| Georgia | 18,875,484 | 3,539,835 | 15,335,649 | 10,178,649 | 2,801,451 | 2,355,549 | 0 |
| Hawaii | 7,325,591 | 257,625 | 7,067,966 | 1,559,669 | 5,012,297 | 496,000 | 11,237 |
| Idaho | 17,828,263 | 6,709,727 | 11,118,536 | 7,096,483 | 181,920 | 3,840,133 | 52,080 |
| Illinois | 17,548,556 | 1,171,225 | 16,377,331 | 12,313,520 | 158,084 | 3,905,727 | 0 |
| Indiana | 12,357,151 | 167,703 | 12,189,448 | 11,272,729 | 916,719 | 0 | 0 |
| Iowa | 9,386,675 | 3,279,267 | 6,107,408 | 5,781,844 | 308,139 | 17,425 | 0 |
| Kansas | 12,355,458 | 998,463 | 11,356,995 | 9,556,647 | 42,064 | 1,758,284 | 0 |
| Kentucky | 26,668,173 | 2,038,186 | 24,629,987 | 20,152,692 | 4,477,295 | 0 | 0 |
| Louisiana | 35,142,225 | 10,974,134 | 24,168,091 | 21,247,322 | 2,705,708 | 215,061 | 0 |
| Maine | 32,592,625 | 3,051,263 | 29,541,362 | 3,208,546 | 23,392,740 | 2,940,076 | 0 |
| Maryland | 29,107,768 | 989,368 | 28,118,400 | 25,174,517 | 1,702,691 | 1,241,192 | 49,891 |
| Massachusetts | 28,425,439 | 8,798,238 | 19,627,201 | 8,959,924 | 9,122,538 | 1,544,739 | 0 |
| Michigan | 8,023,318 | 336,227 | 7,687,091 | 4,128,401 | 732,368 | 2,826,322 | 0 |
| Minnesota | 20,150,907 | 2,027,757 | 18,123,150 | 11,789,528 | 3,284,164 | 3,049,458 | 0 |
| Mississippi | 12,170,278 | 1,755,759 | 10,414,519 | 5,478,277 | 2,776,582 | 2,159,660 | 0 |
| Missouri | 15,055,845 | 8,242,424 | 6,813,421 | 5,232,623 | 1,430,015 | 150,783 | 0 |
| Montana | 8,794,140 | 2,993,604 | 5,800,536 | 4,974,426 | 660,846 | 165,264 | 5,794 |
| Nebraska | 28,167,688 | 770,104 | 27,397,584 | 25,378,861 | 579,453 | 1,439,270 | 0 |
| Nevada | 7,871,899 | 184,774 | 7,687,125 | 5,576,601 | 200,360 | 1,910,164 | 0 |
| New Hampshire | 8,432,696 | 131,672 | 8,301,024 | 759,619 | 7,060,142 | 481,263 | 0 |
| New Jersey | 23,886,758 | 2,796,233 | 21,090,525 | 15,454,335 | 818,969 | 4,817,221 | 0 |
| New Mexico | 3,585,944 | 900,212 | 2,685,732 | 1,402,821 | 1,033,472 | 249,439 | 0 |
| New York | 448,501,735 | 276,773,893 | 171,727,842 | 109,787,947 | 28,123,417 | 33,816,478 | 250,000 |
| North Carolina | 32,754,090 | 18,400,435 | 14,353,655 | 11,216,518 | 1,446,990 | 1,690,147 | 1,000,000 |
| North Dakota | 12,140,358 | 421,989 | 11,718,369 | 9,153,941 | 1,328,298 | 1,236,130 | 0 |
| Ohio | 97,758,379 | 18,343,328 | 79,415,051 | 30,769,933 | 47,834,732 | 810,386 | 0 |
| Oklahoma | 29,607,888 | 1,685,458 | 27,922,430 | 20,226,951 | 1,260,669 | 6,434,810 | 109,876 |
| Oregon | 44,222,659 | 24,761,784 | 19,460,875 | 13,099,132 | 5,359,291 | 1,002,452 | 2,000,000 |
| Pennsylvania | 85,050,999 | 8,579,205 | 76,471,794 | 56,916,243 | 2,330,059 | 17,225,492 | 10,000 |
| Rhode Island | 5,512,380 | 2,767,111 | 2,745,269 | 555,519 | 1,622,583 | 567,167 | 0 |
| South Carolina | 46,983,243 | 28,876,294 | 18,106,949 | 4,550,112 | 770,248 | 12,786,589 | 430,650 |
| South Dakota | 2,953,214 | 361,072 | 2,592,142 | 1,635,276 | 600,435 | 356,431 | 115,000 |
| Tennessee | 7,439,395 | 1,710,689 | 5,728,706 | 5,362,863 | 203,125 | 162,718 | 0 |
| Texas | 233,030,466 | 3,855,855 | 229,174,611 | 197,242,687 | 30,913,924 | 1,018,000 | 25 |
| Utah | 7,985,508 | 5,046,202 | 2,939,306 | 1,537,784 | 1,401,522 | 0 | 1,000 |
| Vermont | 2,730,591 | 681,380 | 2,049,211 | 1,723,305 | 322,546 | 3,360 | 47,661 |
| Virginia | 29,951,353 | 10,733,680 | 19,217,673 | 15,784,840 | 2,539,994 | 892,839 | 301,107 |

TABLE 2

State government expenditures for R&D and R&D plant, by state and performer: FY 2019

(Dollars)

| State | All R&D expenditures ^a | Intramural performers ^b | Extramural performers ^c | | | R&D plant | |
|---------------|-----------------------------------|------------------------------------|------------------------------------|-----------------------|--|-----------|--------------------|
| | | | Total | Academic institutions | Companies and individuals ^d | | Other ^e |
| Washington | 51,963,060 | 19,986,935 | 31,976,125 | 18,755,971 | 5,056,820 | 8,163,334 | 1,400,174 |
| West Virginia | 11,068,061 | 2,867,846 | 8,200,215 | 8,047,584 | 0 | 152,631 | 0 |
| Wisconsin | 17,473,890 | 5,043,609 | 12,430,281 | 3,653,031 | 5,317,013 | 3,460,237 | 0 |
| Wyoming | 6,002,910 | 1,286,491 | 4,716,419 | 895,831 | 3,665,731 | 154,857 | 0 |

^a State R&D expenditures do not include R&D plant.

^b Intramural performers include a department's or agency's own employees who perform R&D and services performed by others in support of an internal R&D project.

^c Extramural performers are those outside the department or agency who perform R&D.

^d Companies and individuals include individuals under contract for research projects.

^e Other includes federal government; nonprofit organizations; city, county, regional, or other local governments; and other state governments.

^f U.S. total reflects all 50 states and the District of Columbia.

Source(s):

National Center for Science and Engineering Statistics, Survey of State Government Research and Development, FY 2019.