

TABLE 8

State R&D expenditures, by state and function of R&D: FY 2019

(Dollars)

| State | All R&D expenditures | Agriculture | Energy | Environment and natural resources | Health | Transportation | Other ^a |
|----------------------------|----------------------|-------------|-------------|-----------------------------------|---------------|----------------|--------------------|
| United States ^b | 2,426,882,959 | 136,395,698 | 323,154,258 | 452,269,973 | 1,082,056,223 | 260,024,511 | 172,982,296 |
| Alabama | 19,763,230 | 0 | 255,807 | 9,403,795 | 1,080,000 | 3,601,526 | 5,422,102 |
| Alaska | 12,502,109 | 0 | 1,102,206 | 8,392,100 | 320,476 | 2,687,327 | 0 |
| Arizona | 17,332,044 | 1,054,913 | 0 | 1,077,891 | 13,843,058 | 1,356,182 | 0 |
| Arkansas | 21,098,863 | 12,519,460 | 852,718 | 2,426,103 | 3,477,448 | 855,437 | 967,697 |
| California | 526,918,585 | 7,004,454 | 202,262,559 | 40,709,827 | 225,535,054 | 34,906,443 | 16,500,248 |
| Colorado | 36,586,577 | 721,768 | 3,184,039 | 10,798,678 | 10,026,796 | 3,288,163 | 8,567,133 |
| Connecticut | 57,241,037 | 3,856,987 | 0 | 10,599,160 | 29,921,946 | 3,283,420 | 9,579,524 |
| Delaware | 3,826,318 | 0 | 24,256 | 2,701,302 | 0 | 1,100,760 | 0 |
| District of Columbia | 4,222,412 | 0 | 0 | 2,000,000 | 1,716,302 | 422,412 | 83,698 |
| Florida | 170,508,724 | 11,725,430 | 557,060 | 52,486,202 | 90,372,743 | 15,367,289 | 0 |
| Georgia | 18,875,484 | 633,607 | 6,335,903 | 3,871,745 | 0 | 8,034,229 | 0 |
| Hawaii | 7,325,591 | 1,680,702 | 2,510,732 | 895,592 | 0 | 802,000 | 1,436,565 |
| Idaho | 17,828,263 | 5,349,416 | 0 | 8,364,544 | 338,288 | 3,339,242 | 436,773 |
| Illinois | 17,548,556 | 3,989,560 | 0 | 0 | 15,596 | 9,458,562 | 4,084,838 |
| Indiana | 12,357,151 | 141,876 | 268,086 | 0 | 600,000 | 8,495,933 | 2,851,256 |
| Iowa | 9,386,675 | 0 | 0 | 3,797,923 | 61,000 | 5,190,691 | 337,061 |
| Kansas | 12,355,458 | 3,998,895 | 0 | 3,645,223 | 0 | 3,714,875 | 996,465 |
| Kentucky | 26,668,173 | 627,270 | 2,020,000 | 2,531,000 | 14,469,601 | 7,020,302 | 0 |
| Louisiana | 35,142,225 | 270,090 | 2,875,376 | 11,751,729 | 1,532,501 | 10,000,000 | 8,712,529 |
| Maine | 32,592,625 | 7,182,948 | 0 | 12,055,909 | 2,467,740 | 1,136,000 | 9,750,028 |
| Maryland | 29,107,768 | 357,910 | 1,181,872 | 1,625,725 | 22,520,611 | 1,735,096 | 1,686,554 |
| Massachusetts | 28,425,439 | 50,000 | 5,049,247 | 8,938,925 | 6,632,267 | 4,425,000 | 3,330,000 |
| Michigan | 8,023,318 | 1,246,732 | 0 | 1,555,898 | 88,488 | 5,132,200 | 0 |
| Minnesota | 20,150,907 | 3,701,150 | 0 | 5,356,934 | 0 | 11,092,823 | 0 |
| Mississippi | 12,170,278 | 599,632 | 0 | 5,579,050 | 0 | 5,991,596 | 0 |
| Missouri | 15,055,845 | 1,153,575 | 0 | 11,968,316 | 103,760 | 1,830,194 | 0 |
| Montana | 8,794,140 | 3,132,570 | 0 | 4,146,533 | 311,826 | 820,527 | 382,684 |
| Nebraska | 28,167,688 | 2,851,678 | 4,000 | 4,757,681 | 18,986,705 | 1,409,861 | 157,763 |
| Nevada | 7,871,899 | 184,774 | 0 | 128,914 | 0 | 973,452 | 6,584,759 |
| New Hampshire | 8,432,696 | 114,949 | 8,938 | 101,215 | 0 | 807,378 | 7,400,216 |
| New Jersey | 23,886,758 | 0 | 0 | 2,192,254 | 15,865,431 | 2,717,094 | 3,111,979 |
| New Mexico | 3,585,944 | 0 | 82,970 | 2,108,672 | 0 | 1,377,302 | 17,000 |
| New York | 448,501,735 | 10,612,279 | 51,407,945 | 33,457,115 | 315,479,125 | 8,842,589 | 28,702,682 |
| North Carolina | 32,754,090 | 14,132,932 | 1,656,680 | 7,935,915 | 778,247 | 7,959,645 | 290,671 |
| North Dakota | 12,140,358 | 2,998,472 | 6,229,265 | 1,546,256 | 29,510 | 1,336,855 | 0 |
| Ohio | 97,758,379 | 0 | 14,557,578 | 58,098,202 | 3,200,453 | 6,886,766 | 15,015,380 |
| Oklahoma | 29,607,888 | 1,058,791 | 684,211 | 3,697,616 | 16,263,121 | 6,849,411 | 1,054,738 |
| Oregon | 44,222,659 | 1,638,762 | 4,550,000 | 19,896,508 | 6,000,000 | 5,411,595 | 6,725,794 |
| Pennsylvania | 85,050,999 | 3,187,000 | 5,323,743 | 8,385,384 | 53,335,777 | 3,913,899 | 10,905,196 |
| Rhode Island | 5,512,380 | 49,042 | 0 | 3,507,663 | 150,000 | 1,225,000 | 580,675 |
| South Carolina | 46,983,243 | 1,013,153 | 86,506 | 28,245,560 | 14,541,188 | 2,159,379 | 937,457 |
| South Dakota | 2,953,214 | 1,690,563 | 39,853 | 0 | 0 | 1,222,798 | 0 |
| Tennessee | 7,439,395 | 0 | 106,514 | 906,097 | 0 | 3,107,664 | 3,319,120 |
| Texas | 233,030,466 | 1,229,300 | 0 | 9,797,876 | 204,708,613 | 17,294,677 | 0 |
| Utah | 7,985,508 | 0 | 0 | 4,537,659 | 12,780 | 3,435,069 | 0 |
| Vermont | 2,730,591 | 0 | 0 | 308,227 | 210,747 | 2,211,617 | 0 |
| Virginia | 29,951,353 | 2,765,452 | 350,000 | 7,210,949 | 3,183,007 | 12,889,933 | 3,552,012 |
| Washington | 51,963,060 | 17,797,227 | 7,621,218 | 16,415,784 | 1,188,510 | 5,596,000 | 3,344,321 |
| West Virginia | 11,068,061 | 25,000 | 1,703,058 | 4,141,682 | 1,296,852 | 2,124,711 | 1,776,758 |

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(Dollars)

| State | All R&D expenditures | Agriculture | Energy | Environment and natural resources | Health | Transportation | Other ^a |
|-----------|----------------------|-------------|---------|-----------------------------------|-----------|----------------|--------------------|
| Wisconsin | 17,473,890 | 3,518,097 | 0 | 6,060,492 | 1,140,656 | 3,754,645 | 3,000,000 |
| Wyoming | 6,002,910 | 529,282 | 261,918 | 2,152,148 | 250,000 | 1,428,942 | 1,380,620 |

^a Other functions include, but are not limited to, corrections, criminal justice, education, forensic science, labor, public safety, and social services.

^b 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.