

TABLE 80

Higher education R&D expenditures in science and engineering fields, by state: FYs 2010–19

(Dollars in thousands)

| State | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| United States | 58,387,551 | 61,988,017 | 62,198,981 | 63,354,376 | 63,766,026 | 64,935,406 | 67,610,098 | 70,838,968 | 74,377,452 | 78,633,276 |
| Alabama | 829,363 | 878,622 | 804,713 | 807,180 | 784,855 | 868,160 | 912,302 | 942,186 | 986,864 | 1,055,431 |
| Alaska | 141,190 | 140,736 | 135,751 | 133,170 | 168,948 | 157,565 | 163,092 | 171,166 | 161,208 | 165,930 |
| Arizona | 901,697 | 951,223 | 987,123 | 1,013,898 | 987,348 | 1,031,313 | 1,072,623 | 1,139,852 | 1,284,772 | 1,346,997 |
| Arkansas | 255,537 | 270,576 | 275,503 | 278,640 | 268,551 | 278,259 | 284,160 | 288,722 | 311,100 | 331,290 |
| California | 7,579,752 | 7,927,260 | 8,102,898 | 8,056,392 | 8,121,682 | 8,330,954 | 8,558,740 | 8,886,352 | 9,771,756 | 10,117,612 |
| Colorado | 1,128,509 | 1,240,906 | 1,249,413 | 1,200,521 | 1,184,397 | 1,226,205 | 1,326,252 | 1,402,890 | 1,486,702 | 1,539,154 |
| Connecticut | 866,600 | 922,694 | 924,773 | 1,041,810 | 1,029,748 | 1,062,809 | 1,143,663 | 1,210,466 | 1,251,620 | 1,352,731 |
| Delaware | 161,927 | 178,496 | 176,743 | 187,730 | 187,295 | 183,868 | 189,768 | 195,591 | 198,476 | 223,447 |
| District of Columbia | 430,944 | 446,448 | 455,063 | 463,042 | 487,260 | 488,789 | 483,863 | 524,970 | 547,181 | 575,707 |
| Florida | 1,778,300 | 1,896,576 | 1,930,189 | 1,921,895 | 2,019,460 | 2,080,940 | 2,217,780 | 2,348,688 | 2,285,505 | 2,366,990 |
| Georgia | 1,611,447 | 1,657,919 | 1,711,596 | 1,789,112 | 1,850,346 | 1,918,019 | 2,029,544 | 2,177,129 | 2,283,980 | 2,470,705 |
| Hawaii | 314,652 | 325,915 | 328,168 | 338,992 | 330,584 | 328,698 | 314,431 | 297,425 | 294,453 | 298,641 |
| Idaho | 122,754 | 139,392 | 142,976 | 139,444 | 137,825 | 142,954 | 150,043 | 156,152 | 161,196 | 157,439 |
| Illinois | 2,146,061 | 2,264,226 | 2,269,727 | 2,407,183 | 2,238,266 | 2,284,059 | 2,265,419 | 2,369,632 | 2,438,295 | 2,577,826 |
| Indiana | 1,048,218 | 1,141,830 | 1,150,327 | 1,200,697 | 1,169,076 | 1,191,841 | 1,235,217 | 1,294,203 | 1,331,646 | 1,511,310 |
| Iowa | 689,831 | 705,684 | 695,465 | 693,052 | 743,656 | 726,233 | 774,017 | 786,287 | 838,401 | 837,341 |
| Kansas | 460,629 | 466,851 | 479,721 | 499,788 | 485,562 | 489,955 | 478,843 | 502,399 | 540,529 | 601,894 |
| Kentucky | 538,189 | 555,579 | 546,893 | 515,406 | 505,815 | 499,960 | 526,377 | 561,729 | 576,050 | 584,710 |
| Louisiana | 657,569 | 667,523 | 653,885 | 632,537 | 627,547 | 609,102 | 630,012 | 633,514 | 687,619 | 728,488 |
| Maine | 118,832 | 129,236 | 118,589 | 103,373 | 120,628 | 98,607 | 97,680 | 120,471 | 126,229 | 141,775 |
| Maryland | 3,094,055 | 3,366,663 | 3,308,014 | 3,376,440 | 3,514,719 | 3,704,962 | 3,744,025 | 3,967,074 | 4,112,572 | 4,555,760 |
| Massachusetts | 2,628,804 | 2,806,845 | 3,010,696 | 3,246,125 | 3,218,358 | 3,406,239 | 3,521,012 | 3,631,981 | 3,717,256 | 3,986,389 |
| Michigan | 1,903,476 | 2,029,656 | 2,076,947 | 2,134,096 | 2,115,363 | 2,202,000 | 2,320,601 | 2,497,196 | 2,604,342 | 2,712,101 |
| Minnesota | 802,840 | 866,304 | 840,731 | 869,824 | 885,306 | 882,516 | 912,843 | 917,633 | 951,455 | 1,011,132 |
| Mississippi | 418,235 | 431,365 | 437,775 | 385,916 | 378,750 | 381,383 | 412,153 | 437,120 | 438,422 | 493,183 |
| Missouri | 964,192 | 984,357 | 1,055,960 | 1,028,703 | 1,014,509 | 1,046,359 | 1,088,195 | 1,116,840 | 1,183,608 | 1,280,861 |
| Montana | 195,619 | 182,326 | 184,754 | 175,054 | 172,201 | 171,530 | 184,756 | 216,170 | 214,221 | 250,102 |
| Nebraska | 383,260 | 393,395 | 419,164 | 419,565 | 428,017 | 435,767 | 447,703 | 478,198 | 498,045 | 534,272 |
| Nevada | 170,989 | 160,254 | 149,323 | 147,079 | 146,056 | 148,339 | 172,933 | 185,836 | 221,608 | 241,391 |
| New Hampshire | 298,650 | 341,848 | 349,891 | 335,518 | 337,909 | 336,857 | 361,834 | 413,173 | 422,319 | 442,652 |
| New Jersey | 1,022,690 | 1,091,890 | 1,060,469 | 1,120,119 | 1,081,018 | 1,048,622 | 1,067,318 | 1,137,993 | 1,231,456 | 1,224,608 |
| New Mexico | 407,429 | 400,121 | 390,548 | 390,745 | 400,180 | 377,543 | 352,296 | 358,025 | 361,605 | 357,866 |
| New York | 4,782,174 | 5,105,083 | 5,157,872 | 5,327,470 | 5,450,410 | 5,449,862 | 5,817,824 | 6,048,744 | 6,271,932 | 6,714,861 |
| North Carolina | 2,422,947 | 2,603,702 | 2,618,572 | 2,669,329 | 2,741,270 | 2,744,906 | 2,847,296 | 2,991,666 | 3,104,305 | 3,275,092 |
| North Dakota | 202,626 | 209,430 | 213,666 | 212,705 | 215,551 | 212,524 | 221,251 | 241,188 | 240,568 | 246,564 |
| Ohio | 1,963,559 | 2,107,830 | 2,017,370 | 2,048,353 | 2,043,780 | 2,017,358 | 2,055,047 | 2,164,145 | 2,249,451 | 2,382,832 |

TABLE 80

Higher education R&D expenditures in science and engineering fields, by state: FYs 2010–19

(Dollars in thousands)

| State | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Oklahoma | 383,110 | 418,373 | 412,978 | 384,729 | 391,926 | 392,480 | 428,939 | 440,486 | 455,130 | 472,673 |
| Oregon | 663,378 | 701,228 | 680,956 | 667,974 | 670,105 | 679,739 | 701,813 | 731,137 | 771,348 | 812,056 |
| Pennsylvania | 3,026,823 | 3,201,566 | 3,125,789 | 3,237,847 | 3,210,166 | 3,249,295 | 3,710,218 | 3,948,483 | 4,162,865 | 4,395,347 |
| Rhode Island | 287,708 | 330,272 | 335,689 | 320,663 | 379,144 | 376,956 | 330,514 | 304,898 | 341,552 | 357,966 |
| South Carolina | 616,972 | 576,881 | 563,599 | 567,300 | 565,820 | 571,747 | 605,162 | 617,864 | 618,354 | 615,442 |
| South Dakota | 126,562 | 132,295 | 123,383 | 113,284 | 100,343 | 97,179 | 102,269 | 108,230 | 111,203 | 113,692 |
| Tennessee | 879,994 | 952,398 | 968,317 | 973,486 | 1,079,491 | 1,022,308 | 1,037,952 | 1,133,255 | 1,209,155 | 1,244,917 |
| Texas | 4,220,820 | 4,427,560 | 4,413,601 | 4,585,482 | 4,658,686 | 4,794,484 | 4,994,430 | 5,192,867 | 5,310,330 | 5,596,525 |
| Utah | 551,607 | 614,316 | 608,199 | 673,095 | 674,070 | 715,106 | 537,012 | 540,493 | 784,478 | 862,465 |
| Vermont | 132,519 | 136,623 | 119,802 | 120,178 | 113,711 | 118,957 | 119,665 | 121,257 | 131,483 | 138,530 |
| Virginia | 1,134,387 | 1,300,258 | 1,283,852 | 1,323,095 | 1,287,075 | 1,302,589 | 1,356,482 | 1,436,045 | 1,540,781 | 1,665,152 |
| Washington | 1,304,992 | 1,438,349 | 1,376,467 | 1,402,118 | 1,399,577 | 1,431,158 | 1,525,348 | 1,600,656 | 1,680,148 | 1,691,662 |
| West Virginia | 178,435 | 195,952 | 189,225 | 184,992 | 184,291 | 187,867 | 188,571 | 198,131 | 200,660 | 202,161 |
| Wisconsin | 1,230,932 | 1,338,580 | 1,330,338 | 1,278,050 | 1,271,859 | 1,227,545 | 1,335,963 | 1,401,567 | 1,438,790 | 1,551,478 |
| Wyoming | 53,957 | 55,320 | 63,812 | 63,149 | 48,736 | 54,928 | 108,552 | 121,927 | 112,857 | 79,928 |
| American Samoa | ne | ne | ne | ne | ne | 1,337 | 793 | ne | ne | 860 |
| Guam | 5,555 | 5,477 | 5,975 | 5,873 | 6,790 | 5,919 | 7,351 | 8,803 | 11,053 | 12,001 |
| Puerto Rico | 114,982 | 152,435 | 141,188 | 123,784 | 117,258 | 121,299 | 116,936 | 108,032 | 98,665 | 113,669 |
| Virgin Islands | 31,272 | 21,373 | 24,543 | 18,374 | 14,732 | 19,456 | 21,215 | 12,031 | 11,853 | 11,668 |

ne = not eligible; no institutions within the state met the criteria for inclusion.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.