

TABLE 66

Higher education R&D expenditures, by state: FYs 2010–20

(Dollars in thousands)

| State | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| United States | 61,286,610 | 65,274,393 | 65,729,007 | 67,013,138 | 67,199,090 | 68,549,882 | 71,767,849 | 75,147,144 | 79,026,269 | 83,534,148 | 86,296,178 |
| Alabama | 847,072 | 898,422 | 830,538 | 837,871 | 812,803 | 898,010 | 944,506 | 994,210 | 1,052,494 | 1,123,491 | 1,186,697 |
| Alaska | 180,888 | 185,942 | 181,983 | 184,472 | 174,431 | 163,012 | 167,308 | 176,424 | 165,198 | 169,296 | 177,537 |
| Arizona | 944,795 | 997,700 | 1,039,424 | 1,065,136 | 1,047,329 | 1,099,837 | 1,162,283 | 1,213,469 | 1,358,920 | 1,434,177 | 1,499,135 |
| Arkansas | 267,405 | 282,628 | 289,364 | 294,572 | 285,691 | 293,494 | 298,497 | 312,533 | 343,066 | 364,781 | 370,782 |
| California | 7,832,767 | 8,225,420 | 8,401,638 | 8,357,891 | 8,403,770 | 8,656,350 | 8,887,228 | 9,225,392 | 10,172,252 | 10,484,402 | 10,910,956 |
| Colorado | 1,180,741 | 1,292,081 | 1,338,888 | 1,253,466 | 1,232,376 | 1,273,753 | 1,378,920 | 1,461,877 | 1,552,251 | 1,622,011 | 1,665,742 |
| Connecticut | 888,949 | 945,705 | 946,289 | 1,059,367 | 1,062,741 | 1,091,381 | 1,176,170 | 1,254,440 | 1,287,024 | 1,387,319 | 1,400,865 |
| Delaware | 168,511 | 188,765 | 185,842 | 197,262 | 193,242 | 191,704 | 197,615 | 204,221 | 207,569 | 229,287 | 244,321 |
| District of Columbia | 470,217 | 493,469 | 501,534 | 524,241 | 543,149 | 559,222 | 555,721 | 601,551 | 630,161 | 664,872 | 684,793 |
| Florida | 1,994,860 | 2,125,648 | 2,179,352 | 2,171,626 | 2,272,556 | 2,354,871 | 2,483,359 | 2,584,487 | 2,529,896 | 2,685,834 | 2,722,627 |
| Georgia | 1,691,603 | 1,808,679 | 1,882,308 | 1,956,245 | 1,950,990 | 2,046,068 | 2,168,071 | 2,340,410 | 2,473,503 | 2,667,874 | 2,782,005 |
| Hawaii | 317,942 | 330,838 | 335,704 | 343,802 | 335,189 | 332,233 | 318,134 | 301,204 | 297,975 | 301,419 | 298,285 |
| Idaho | 126,433 | 142,364 | 146,326 | 143,728 | 142,772 | 146,700 | 154,989 | 163,093 | 171,053 | 167,903 | 170,595 |
| Illinois | 2,224,414 | 2,352,326 | 2,362,224 | 2,501,413 | 2,327,098 | 2,382,947 | 2,400,990 | 2,503,276 | 2,570,270 | 2,709,733 | 2,764,954 |
| Indiana | 1,186,421 | 1,271,364 | 1,306,462 | 1,336,343 | 1,308,856 | 1,323,824 | 1,408,862 | 1,461,367 | 1,505,426 | 1,661,312 | 1,733,623 |
| Iowa | 706,667 | 724,608 | 718,281 | 714,366 | 773,760 | 758,796 | 814,031 | 830,587 | 885,861 | 880,424 | 917,407 |
| Kansas | 482,901 | 511,048 | 527,122 | 545,364 | 547,813 | 562,254 | 559,279 | 577,566 | 640,735 | 703,716 | 739,872 |
| Kentucky | 575,277 | 596,081 | 586,240 | 550,941 | 533,834 | 516,754 | 546,527 | 583,143 | 596,532 | 615,383 | 641,301 |
| Louisiana | 713,675 | 727,510 | 699,228 | 671,580 | 665,754 | 662,778 | 683,125 | 690,958 | 744,283 | 778,357 | 798,373 |
| Maine | 137,516 | 139,983 | 120,072 | 104,573 | 124,688 | 103,102 | 100,351 | 122,740 | 128,500 | 151,249 | 151,263 |
| Maryland | 3,139,254 | 3,416,687 | 3,359,741 | 3,433,145 | 3,573,167 | 3,741,687 | 3,799,639 | 4,017,092 | 4,167,470 | 4,629,161 | 4,745,030 |
| Massachusetts | 2,749,926 | 2,949,264 | 3,214,549 | 3,532,767 | 3,500,516 | 3,673,620 | 3,796,798 | 3,928,192 | 4,059,931 | 4,305,676 | 4,361,466 |
| Michigan | 2,031,479 | 2,161,520 | 2,219,505 | 2,267,080 | 2,242,864 | 2,334,031 | 2,468,498 | 2,662,045 | 2,781,359 | 2,891,267 | 2,867,807 |
| Minnesota | 831,754 | 898,741 | 864,938 | 901,404 | 919,257 | 928,999 | 961,040 | 968,784 | 999,660 | 1,060,927 | 1,086,730 |
| Mississippi | 443,625 | 460,962 | 476,078 | 416,772 | 410,543 | 408,232 | 454,983 | 479,122 | 479,431 | 535,774 | 506,660 |
| Missouri | 1,087,432 | 1,121,330 | 1,098,287 | 1,074,632 | 1,050,665 | 1,074,115 | 1,151,047 | 1,188,439 | 1,260,217 | 1,368,942 | 1,444,375 |
| Montana | 207,827 | 195,267 | 196,721 | 185,996 | 181,127 | 181,680 | 195,125 | 229,206 | 230,099 | 273,459 | 290,297 |
| Nebraska | 400,660 | 412,756 | 438,303 | 444,917 | 454,744 | 464,664 | 481,383 | 513,581 | 535,911 | 572,488 | 586,777 |
| Nevada | 174,247 | 165,437 | 153,325 | 153,427 | 153,571 | 157,528 | 191,155 | 205,761 | 260,074 | 282,740 | 296,470 |
| New Hampshire | 311,455 | 359,839 | 366,337 | 354,296 | 365,537 | 357,665 | 379,991 | 455,859 | 471,347 | 492,183 | 484,313 |
| New Jersey | 1,075,872 | 1,141,570 | 1,113,109 | 1,173,474 | 1,130,474 | 1,106,186 | 1,158,998 | 1,261,174 | 1,350,470 | 1,336,562 | 1,385,864 |
| New Mexico | 422,868 | 405,339 | 400,952 | 403,776 | 412,428 | 390,913 | 367,031 | 370,329 | 369,927 | 365,769 | 376,331 |
| New York | 4,948,442 | 5,288,932 | 5,352,978 | 5,519,542 | 5,638,584 | 5,700,230 | 6,075,419 | 6,388,367 | 6,633,634 | 7,075,350 | 7,156,316 |
| North Carolina | 2,465,260 | 2,668,842 | 2,681,840 | 2,739,920 | 2,814,943 | 2,814,924 | 2,937,671 | 3,081,568 | 3,204,297 | 3,388,360 | 3,385,735 |
| North Dakota | 204,049 | 211,057 | 215,642 | 219,115 | 222,032 | 217,926 | 226,572 | 255,942 | 255,534 | 263,217 | 267,308 |

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(Dollars in thousands)

| State | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Ohio | 2,051,857 | 2,221,827 | 2,128,968 | 2,168,267 | 2,158,565 | 2,152,796 | 2,193,019 | 2,299,112 | 2,370,346 | 2,499,431 | 2,518,803 |
| Oklahoma | 400,731 | 444,722 | 437,180 | 420,067 | 419,653 | 419,602 | 488,559 | 505,940 | 517,283 | 533,785 | 604,114 |
| Oregon | 696,272 | 739,733 | 722,421 | 704,764 | 705,688 | 719,881 | 759,243 | 780,741 | 820,988 | 863,844 | 894,789 |
| Pennsylvania | 3,128,420 | 3,315,363 | 3,239,240 | 3,361,374 | 3,328,851 | 3,356,723 | 3,950,517 | 4,178,978 | 4,406,037 | 4,650,139 | 4,820,355 |
| Rhode Island | 428,738 | 459,321 | 495,366 | 479,162 | 447,469 | 453,291 | 462,777 | 332,483 | 368,079 | 390,575 | 395,730 |
| South Carolina | 660,415 | 620,533 | 636,534 | 648,137 | 655,757 | 665,319 | 687,110 | 699,199 | 736,318 | 742,924 | 742,557 |
| South Dakota | 131,165 | 136,305 | 129,200 | 117,361 | 104,962 | 103,368 | 106,941 | 112,916 | 115,860 | 118,377 | 110,619 |
| Tennessee | 938,237 | 1,016,915 | 1,025,283 | 1,032,124 | 1,133,373 | 1,077,068 | 1,091,835 | 1,183,795 | 1,293,909 | 1,337,211 | 1,398,914 |
| Texas | 4,416,323 | 4,661,517 | 4,651,322 | 4,813,050 | 4,898,443 | 5,036,366 | 5,254,298 | 5,472,126 | 5,622,830 | 5,970,929 | 6,619,640 |
| Utah | 562,349 | 627,180 | 622,244 | 688,972 | 693,796 | 733,407 | 573,106 | 611,015 | 812,458 | 924,632 | 950,562 |
| Vermont | 132,792 | 137,303 | 120,226 | 121,110 | 114,549 | 119,663 | 120,306 | 122,003 | 131,670 | 138,716 | 193,824 |
| Virginia | 1,199,244 | 1,390,412 | 1,379,440 | 1,419,504 | 1,381,078 | 1,411,176 | 1,462,939 | 1,551,003 | 1,684,274 | 1,814,048 | 1,921,215 |
| Washington | 1,358,061 | 1,502,284 | 1,475,365 | 1,561,573 | 1,537,190 | 1,548,580 | 1,645,843 | 1,715,069 | 1,779,849 | 1,805,214 | 1,827,021 |
| West Virginia | 194,834 | 210,899 | 202,118 | 196,492 | 195,675 | 199,167 | 199,164 | 210,259 | 211,695 | 212,963 | 217,788 |
| Wisconsin | 1,335,621 | 1,442,933 | 1,483,983 | 1,419,426 | 1,412,594 | 1,372,168 | 1,458,791 | 1,504,056 | 1,542,163 | 1,659,873 | 1,746,799 |
| Wyoming | 55,319 | 57,549 | 65,611 | 65,490 | 51,422 | 56,996 | 112,056 | 125,032 | 113,063 | 80,353 | 93,061 |
| American Samoa | ne | ne | ne | ne | ne | 1,337 | 793 | ne | ne | 860 | ne |
| Guam | 5,555 | 5,626 | 6,131 | 6,043 | 7,075 | 6,062 | 7,402 | 8,842 | 11,225 | 12,249 | 13,043 |
| Puerto Rico | 125,123 | 163,853 | 151,532 | 135,659 | 123,285 | 126,792 | 120,619 | 113,868 | 103,935 | 121,074 | 111,101 |
| Virgin Islands | 32,350 | 21,994 | 25,719 | 20,041 | 20,371 | 20,630 | 21,215 | 12,298 | 11,957 | 12,236 | 13,631 |

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.