

TABLE 29

Higher education R&D expenditures funded by nonprofit organizations, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| All institutions | - | 5,683,937 | 64,226 | 157,400 | 3,709,321 | 39,653 | 244,366 | 87,267 | 446,723 | 43,137 | 395,038 | 496,806 |
| U. California, San Francisco | 1 | 232,094 | 0 | 0 | 224,657 | 0 | 7,437 | 0 | 0 | 0 | 0 | 0 |
| U. California, Los Angeles | 2 | 197,337 | 1,004 | 3,833 | 149,282 | 881 | 3,108 | 2,208 | 11,622 | 1,045 | 8,437 | 15,917 |
| U. Washington, Seattle | 3 | 194,296 | 2,510 | 8,699 | 149,415 | 566 | 4,054 | 465 | 6,048 | 0 | 10,856 | 11,683 |
| Harvard U. | 4 | 166,590 | 750 | 4,640 | 75,810 | 1,327 | 12,438 | 274 | 37,058 | 503 | 4,335 | 29,455 |
| Johns Hopkins U. ^a | 5 | 166,571 | 1,008 | 1,271 | 153,343 | 293 | 3,382 | 292 | 834 | 479 | 4,614 | 1,055 |
| Stanford U. | 6 | 159,040 | 1,492 | 4,736 | 100,809 | 415 | 11,172 | 4,555 | 12,170 | 472 | 10,960 | 12,259 |
| U. California, Berkeley | 7 | 128,481 | 8,293 | 832 | 38,428 | 1,243 | 12,145 | 5,577 | 17,110 | 13,527 | 16,480 | 14,846 |
| U. Pennsylvania | 8 | 119,464 | 216 | 172 | 86,173 | 800 | 3,926 | 4,875 | 4,904 | 0 | 4,230 | 14,168 |
| Cornell U. | 9 | 118,002 | 1,101 | 93 | 105,000 | 387 | 2,292 | 963 | 1,264 | 0 | 2,166 | 4,736 |
| U. Wisconsin-Madison | 10 | 115,774 | 2,600 | 2,090 | 69,137 | 1,256 | 5,668 | 1,733 | 7,035 | 2,679 | 9,247 | 14,329 |
| Massachusetts Institute of Technology | 11 | 107,962 | 7,442 | 2,761 | 26,241 | 2,050 | 7,570 | 172 | 20,533 | 1,891 | 27,142 | 12,160 |
| Duke U. | 12 | 105,775 | 45 | 1,495 | 83,093 | 898 | 359 | 557 | 7,620 | 0 | 8,606 | 3,102 |
| Columbia U. in the City of New York | 13 | 103,544 | 621 | 8,949 | 61,898 | 994 | 3,109 | 354 | 10,690 | 0 | 2,654 | 14,275 |
| U. California, San Diego | 14 | 99,338 | 1,307 | 8,909 | 65,061 | 463 | 9,824 | 733 | 4,418 | 132 | 6,780 | 1,711 |
| Washington U., Saint Louis | 15 | 87,106 | 78 | 139 | 81,077 | 6 | 1,224 | 90 | 289 | 0 | 1,316 | 2,887 |
| Yale U. | 16 | 86,495 | 35 | 323 | 69,763 | 342 | 4,555 | 497 | 2,955 | 0 | 1,122 | 6,903 |
| Baylor C. of Medicine | 17 | 85,736 | 0 | 0 | 85,736 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New York U. | 18 | 80,137 | 2,269 | 64 | 51,850 | 1,597 | 1,045 | 2,677 | 5,894 | 0 | 2,682 | 12,059 |
| Emory U. | 19 | 72,787 | 0 | 220 | 68,373 | 189 | 642 | 121 | 97 | 0 | 438 | 2,707 |
| U. Michigan, Ann Arbor | 20 | 68,758 | 1,376 | 248 | 41,344 | 596 | 1,338 | 640 | 13,986 | 192 | 3,828 | 5,210 |
| U. North Carolina, Chapel Hill | 21 | 67,773 | 1,008 | 649 | 43,659 | 98 | 915 | 4,460 | 10,334 | 0 | 1,952 | 4,698 |
| U. Pittsburgh, Pittsburgh | 22 | 67,014 | 366 | 386 | 59,689 | 464 | 542 | 255 | 524 | 1,429 | 959 | 2,400 |
| U. Cincinnati | 23 | 65,864 | 0 | 110 | 60,051 | 54 | 385 | 89 | 3,670 | 0 | 1,012 | 493 |
| Indiana U., Bloomington | 24 | 64,916 | 644 | 35 | 56,111 | 64 | 302 | 533 | 3,086 | 1,033 | 456 | 2,652 |
| Arizona State U. | 25 | 61,749 | 1,998 | 4,823 | 11,227 | 366 | 2,370 | 3,171 | 8,244 | 6,363 | 12,166 | 11,021 |
| Texas A&M U., College Station and Health Science Center | 26 | 59,798 | 998 | 3,549 | 11,435 | 577 | 8,817 | 42 | 2,713 | 12 | 30,246 | 1,409 |
| U. Texas Southwestern Medical Center | 27 | 59,096 | 0 | 0 | 59,096 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Icahn School of Medicine at Mount Sinai | 28 | 56,296 | 0 | 0 | 56,296 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Pennsylvania State U., University Park and Hershey Medical Center | 29 | 56,184 | 2,041 | 2,002 | 29,444 | 1,790 | 5,407 | 1,662 | 1,712 | 0 | 10,830 | 1,296 |
| Princeton U. | 30 | 55,994 | 1,737 | 914 | 9,167 | 1,887 | 6,595 | 1,327 | 28,756 | 0 | 2,613 | 2,998 |
| U. Colorado Denver and Anschutz Medical Campus | 31 | 51,586 | 7 | 11 | 50,413 | 29 | 16 | 165 | 34 | 0 | 47 | 864 |
| U. Southern California | 32 | 50,917 | 397 | 1,258 | 31,127 | 22 | 343 | 687 | 9,184 | 0 | 908 | 6,991 |
| Northwestern U. | 33 | 50,647 | 0 | 93 | 38,479 | 44 | 3,359 | 80 | 2,461 | 1,362 | 1,476 | 3,293 |
| U. Maryland ^b | 34 | 50,561 | 310 | 731 | 36,036 | 120 | 364 | 159 | 8,708 | 0 | 2,237 | 1,896 |
| Rutgers, State U. New Jersey, New Brunswick | 35 | 50,510 | 332 | 1,887 | 37,731 | 529 | 1,814 | 554 | 745 | 4 | 3,821 | 3,093 |
| Ohio State U. | 36 | 49,679 | 456 | 203 | 39,115 | 99 | 1,506 | 261 | 837 | 959 | 2,444 | 3,799 |
| U. Florida | 37 | 47,629 | 150 | 306 | 42,097 | 58 | 422 | 883 | 354 | 0 | 2,086 | 1,273 |
| U. California, Davis | 38 | 47,250 | 123 | 1,988 | 35,562 | 452 | 513 | 184 | 2,795 | 0 | 3,480 | 2,153 |
| Oregon Health and Science U. | 39 | 42,653 | 0 | 0 | 41,220 | 0 | 0 | 0 | 0 | 0 | 1,433 | 0 |
| Georgetown U. | 40 | 41,846 | 40 | 0 | 12,640 | 0 | 467 | 755 | 18,565 | 223 | 0 | 9,156 |
| Boston U. | 41 | 41,622 | 172 | 805 | 30,866 | 300 | 1,314 | 977 | 1,257 | 113 | 2,810 | 3,008 |
| U. Minnesota, Twin Cities | 42 | 40,928 | 81 | 131 | 32,358 | 427 | 607 | 1,484 | 1,495 | 230 | 2,242 | 1,873 |
| Scripps Research Institute | 43 | 40,798 | 0 | 0 | 40,798 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Chicago | 44 | 40,694 | 318 | 404 | 21,335 | 239 | 3,651 | 1,374 | 8,899 | 0 | 767 | 3,707 |
| U. Texas, Austin | 45 | 40,388 | 500 | 4,132 | 6,024 | 3,748 | 4,276 | 706 | 4,614 | 379 | 8,617 | 7,392 |
| Purdue U., West Lafayette | 46 | 36,497 | 381 | 92 | 15,958 | 13 | 1,808 | 82 | 3,002 | 0 | 8,903 | 6,258 |
| U. Virginia, Charlottesville | 47 | 36,059 | 353 | 170 | 19,920 | 300 | 545 | 2,695 | 1,850 | 35 | 1,159 | 9,032 |
| George Mason U. | 48 | 35,852 | 190 | 62 | 1,640 | 59 | 100 | 175 | 28,887 | 0 | 258 | 4,481 |
| U. Miami | 49 | 35,782 | 61 | 9,259 | 22,702 | 342 | 139 | 1,590 | 195 | 3 | 1,062 | 429 |
| Vanderbilt U. and Vanderbilt U. Medical Center | 50 | 34,258 | 0 | 0 | 27,478 | 47 | 774 | 438 | 842 | 0 | 1,845 | 2,834 |
| Rockefeller U. | 51 | 34,018 | 0 | 587 | 32,414 | 216 | 801 | 0 | 0 | 0 | 0 | 0 |
| George Washington U. | 52 | 33,776 | 268 | 12 | 20,596 | 76 | 3 | 285 | 8,692 | 0 | 444 | 3,400 |
| U. Arizona | 53 | 33,423 | 297 | 779 | 11,835 | 207 | 17,991 | 121 | 589 | 46 | 1,393 | 165 |
| U. California, Santa Barbara | 54 | 32,192 | 79 | 2,418 | 9,512 | 476 | 6,858 | 608 | 1,363 | 0 | 9,617 | 1,261 |
| U. Alabama, Birmingham | 55 | 31,893 | 0 | 54 | 30,820 | 0 | 23 | 116 | 2 | 0 | 779 | 99 |
| U. Utah | 56 | 31,700 | 29 | 208 | 19,367 | 255 | 1,366 | 1,704 | 381 | 11 | 348 | 8,031 |
| California Institute of Technology | 57 | 29,267 | 1,325 | 5,226 | 10,557 | 191 | 8,386 | 0 | 0 | 0 | 1,485 | 2,097 |

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(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| U. California, Irvine | 58 | 28,066 | 383 | 342 | 17,334 | 939 | 1,995 | 982 | 1,502 | 34 | 868 | 3,687 |
| U. Texas M. D. Anderson Cancer Center | 59 | 28,010 | 0 | 0 | 26,702 | 183 | 10 | 104 | 1,011 | 0 | 0 | 0 |
| Tufts U. | 60 | 27,005 | 0 | 66 | 11,423 | 289 | 1,234 | 134 | 7,522 | 787 | 1,374 | 4,176 |
| U. Illinois, Urbana-Champaign | 61 | 24,596 | 764 | 126 | 10,688 | 228 | 3,575 | 394 | 338 | 1 | 3,911 | 4,571 |
| Uniformed Services U. of the Health Sciences | 62 | 24,430 | 0 | 0 | 24,415 | 0 | 0 | 15 | 0 | 0 | 0 | 0 |
| U. Kansas | 63 | 24,168 | 67 | 311 | 17,388 | 20 | 104 | 174 | 491 | 3 | 551 | 5,059 |
| Case Western Reserve U. | 64 | 23,865 | 0 | 0 | 18,739 | 15 | 225 | 953 | 411 | 0 | 3,336 | 186 |
| SUNY, U. Buffalo | 65 | 23,478 | 0 | 0 | 10,133 | 5 | 145 | 0 | 411 | 0 | 4,646 | 8,138 |
| Rice U. | 66 | 23,426 | 0 | 497 | 966 | 1,372 | 3,318 | 65 | 9,385 | 6 | 6,877 | 940 |
| U. Texas, Dallas | 67 | 22,831 | 683 | 130 | 6,589 | 77 | 1,446 | 28 | 873 | 0 | 8,580 | 4,425 |
| U. Texas Health Science Center, Houston | 68 | 22,721 | 0 | 0 | 22,721 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Illinois, Chicago | 69 | 22,626 | 48 | 82 | 17,981 | 201 | 169 | 346 | 467 | 299 | 562 | 2,471 |
| Wayne State U. | 70 | 22,182 | 67 | 0 | 18,597 | 0 | 501 | 106 | 113 | 1 | 1,970 | 827 |
| U. Iowa | 71 | 19,962 | 39 | 5 | 17,380 | 112 | 68 | 102 | 464 | 0 | 1,160 | 632 |
| U. Texas Health Science Center, San Antonio | 72 | 19,715 | 0 | 0 | 19,715 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Michigan State U. | 73 | 19,282 | 6 | 126 | 7,334 | 931 | 256 | 790 | 1,183 | 1,739 | 1,208 | 5,709 |
| Dartmouth C. and Dartmouth Hitchcock Medical Center | 74 | 19,236 | 247 | 124 | 15,553 | 145 | 898 | 212 | 586 | 8 | 695 | 768 |
| Medical C. Wisconsin | 75 | 18,986 | 0 | 0 | 18,817 | 0 | 0 | 0 | 0 | 0 | 169 | 0 |
| Cold Spring Harbor Laboratory | 76 | 18,417 | 0 | 0 | 18,417 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Temple U. | 77 | 18,392 | 199 | 451 | 10,915 | 36 | 434 | 932 | 818 | 1 | 1,043 | 3,563 |
| Colorado State U., Fort Collins | 78 | 17,821 | 3 | 214 | 12,281 | 25 | 775 | 30 | 1,490 | 119 | 1,037 | 1,847 |
| Tulane U. | 79 | 17,588 | 6 | 694 | 14,636 | 61 | 188 | 21 | 1,494 | 0 | 383 | 105 |
| U. Massachusetts, Medical School | 80 | 16,933 | 0 | 0 | 16,933 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Colorado Boulder | 81 | 16,767 | 191 | 446 | 3,638 | 57 | 2,162 | 1,138 | 2,314 | 36 | 2,166 | 4,619 |
| U. Connecticut | 82 | 15,753 | 26 | 257 | 9,814 | 123 | 435 | 361 | 940 | 370 | 1,062 | 2,365 |
| U. Nebraska, Medical Center | 83 | 15,706 | 0 | 0 | 15,706 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Notre Dame | 84 | 15,648 | 174 | 0 | 3,590 | 118 | 660 | 27 | 1,524 | 1,391 | 1,679 | 6,485 |
| Virginia Commonwealth U. | 85 | 15,468 | 0 | 0 | 6,608 | 41 | 412 | 281 | 96 | 0 | 6,919 | 1,111 |
| Brown U. | 86 | 15,371 | 227 | 310 | 5,218 | 666 | 529 | 135 | 4,887 | 630 | 512 | 2,257 |

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|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| U. Rochester | 87 | 15,256 | 0 | 138 | 13,943 | 16 | 751 | 49 | 12 | 70 | 44 | 233 |
| U. South Florida, Tampa | 88 | 15,108 | 35 | 6,091 | 5,245 | 34 | 230 | 306 | 879 | 188 | 1,090 | 1,010 |
| U. California, Santa Cruz | 89 | 14,838 | 915 | 3,905 | 2,085 | 23 | 1,354 | 47 | 1,447 | 0 | 4,218 | 844 |
| U. Georgia | 90 | 14,581 | 3 | 3,354 | 8,514 | 65 | 38 | 948 | 670 | 8 | 393 | 588 |
| U. Kentucky | 91 | 14,018 | 9 | 0 | 11,885 | 67 | 180 | 179 | 1 | 0 | 1,366 | 331 |
| Wake Forest U. | 92 | 14,009 | 0 | 0 | 12,330 | 6 | 8 | 739 | 189 | 0 | 46 | 691 |
| Texas Tech U. | 93 | 13,963 | 93 | 291 | 4,634 | 83 | 568 | 502 | 1,069 | 0 | 1,518 | 5,205 |
| Georgia Institute of Technology | 94 | 13,392 | 765 | 214 | 876 | 364 | 442 | 33 | 896 | 0 | 9,320 | 482 |
| Teachers C., Columbia U. | 95 | 13,167 | 158 | 0 | 2,837 | 0 | 0 | 418 | 9,332 | 0 | 0 | 422 |
| Boston C. | 96 | 13,104 | 0 | 49 | 460 | 8 | 108 | 670 | 3,094 | 0 | 0 | 8,715 |
| U. Hawaii, Manoa | 97 | 12,675 | 0 | 5,245 | 6,004 | 28 | 225 | 23 | 324 | 505 | 84 | 237 |
| Louisiana State U., Baton Rouge | 98 | 12,570 | 0 | 2,245 | 4,749 | 32 | 699 | 166 | 913 | 0 | 3,526 | 240 |
| Medical U. South Carolina | 99 | 12,380 | 0 | 0 | 12,380 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Georgia State U. | 100 | 12,367 | 5 | 85 | 2,795 | 0 | 482 | 772 | 3,339 | 0 | 0 | 4,889 |
| U. New Mexico | 101 | 12,230 | 70 | 55 | 10,435 | 35 | 39 | 65 | 1,067 | 0 | 259 | 205 |
| Albert Einstein C. of Medicine | 102 | 12,132 | 0 | 0 | 12,132 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Tennessee, Health Science Center | 103 | 12,094 | 0 | 0 | 12,094 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Louisiana, Lafayette | 104 | 11,938 | 0 | 1,499 | 3,688 | 457 | 74 | 0 | 0 | 12 | 3,827 | 2,381 |
| U. Texas Medical Branch | 105 | 11,808 | 0 | 0 | 11,804 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| Woods Hole Oceanographic Institution | 106 | 11,584 | 0 | 8,238 | 0 | 0 | 0 | 0 | 0 | 0 | 3,346 | 0 |
| U. Houston | 107 | 11,270 | 56 | 79 | 3,171 | 39 | 2,700 | 297 | 272 | 25 | 3,131 | 1,500 |
| American U. | 108 | 11,152 | 0 | 5 | 1 | 0 | 111 | 59 | 4,309 | 527 | 0 | 6,140 |
| Syracuse U. | 109 | 11,103 | 15 | 3 | 101 | 24 | 567 | 32 | 732 | 0 | 710 | 8,919 |
| Iowa State U. | 110 | 10,679 | 0 | 8 | 6,001 | 157 | 902 | 1,154 | 0 | 167 | 1,946 | 344 |
| U. South Carolina, Columbia | 111 | 9,752 | 120 | 3 | 6,682 | 69 | 221 | 468 | 624 | 0 | 247 | 1,318 |
| SUNY, Stony Brook U. | 112 | 9,305 | 234 | 1,465 | 4,510 | 68 | 811 | 231 | 167 | 673 | 797 | 349 |
| Thomas Jefferson U. | 113 | 9,041 | 0 | 0 | 9,041 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Oklahoma, Norman and Health Science Center | 113 | 9,041 | 0 | 863 | 5,389 | 42 | 155 | 3 | 746 | 0 | 953 | 890 |
| U. Massachusetts, Amherst | 115 | 8,986 | 1,660 | 0 | 2,229 | 127 | 916 | 802 | 863 | 5 | 1,358 | 1,026 |
| Drexel U. | 116 | 8,949 | 95 | 0 | 6,097 | 6 | 88 | 372 | 471 | 60 | 579 | 1,181 |
| U. Vermont | 117 | 8,841 | 194 | 0 | 8,398 | 117 | 81 | 0 | 26 | 0 | 25 | 0 |

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|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| U. California, Riverside | 118 | 8,609 | 112 | 684 | 3,787 | 142 | 386 | 664 | 863 | 0 | 984 | 987 |
| Florida International U. | 119 | 8,509 | 94 | 1,129 | 2,192 | 15 | 406 | 447 | 1,920 | 139 | 789 | 1,378 |
| Washington State U. | 120 | 8,309 | 0 | 172 | 4,791 | 31 | 1,213 | 213 | 390 | 0 | 772 | 727 |
| Mississippi State U. | 121 | 8,220 | 2 | 73 | 7,130 | 11 | 9 | 3 | 707 | 6 | 213 | 66 |
| Brandeis U. | 122 | 8,191 | 182 | 0 | 1,004 | 145 | 854 | 229 | 3,341 | 0 | 0 | 2,436 |
| Carnegie Mellon U. | 123 | 7,887 | 3,161 | 156 | 543 | 99 | 85 | 105 | 709 | 421 | 2,590 | 18 |
| U. Louisville | 124 | 7,880 | 2 | 0 | 6,874 | 0 | 13 | 295 | 6 | 0 | 460 | 230 |
| Northeastern U. | 125 | 7,788 | 295 | 243 | 2,594 | 37 | 2,094 | 166 | 1,044 | 0 | 533 | 782 |
| U. Missouri, Columbia | 126 | 7,785 | 0 | 26 | 6,589 | 46 | 29 | 251 | 415 | 0 | 65 | 364 |
| Kansas State U. | 127 | 7,783 | 41 | 5 | 6,852 | 110 | 69 | 1 | 38 | 17 | 386 | 264 |
| Florida State U. | 128 | 7,687 | 0 | 2,071 | 753 | 65 | 817 | 54 | 419 | 110 | 107 | 3,291 |
| Virginia Polytechnic Institute and State U. | 129 | 7,097 | 5 | 78 | 2,966 | 27 | 847 | 151 | 285 | 0 | 2,590 | 148 |
| U. Central Florida | 130 | 6,768 | 469 | 135 | 2,810 | 20 | 151 | 292 | 369 | 0 | 1,719 | 803 |
| Clemson U. | 131 | 6,643 | 10 | 0 | 4,347 | 131 | 157 | 44 | 87 | 0 | 1,421 | 446 |
| U. Oregon | 132 | 6,505 | 0 | 17 | 1,756 | 56 | 2,677 | 548 | 371 | 0 | 0 | 1,080 |
| U. New Hampshire | 133 | 6,422 | 34 | 2,550 | 1,926 | 9 | 31 | 4 | 1,044 | 0 | 100 | 724 |
| Saint Louis U. | 134 | 6,173 | 0 | 62 | 4,487 | 18 | 197 | 16 | 37 | 0 | 167 | 1,189 |
| U. Arkansas, Fayetteville | 135 | 6,123 | 32 | 35 | 2,014 | 17 | 16 | 17 | 283 | 0 | 1,384 | 2,325 |
| New School | 136 | 6,091 | 0 | 49 | 18 | 0 | 0 | 50 | 1,449 | 0 | 2,518 | 2,007 |
| U. Texas, Arlington | 137 | 6,057 | 265 | 122 | 703 | 17 | 579 | 23 | 3 | 0 | 2,802 | 1,543 |
| North Carolina State U. | 138 | 5,749 | 138 | 19 | 3,140 | 148 | 489 | 1 | 61 | 64 | 1,689 | 0 |
| Indiana U.-Purdue U., Indianapolis | 139 | 5,652 | 48 | 0 | 1,679 | 41 | 112 | 144 | 3,143 | 0 | 24 | 461 |
| Augusta U. | 140 | 5,525 | 0 | 0 | 5,525 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas A&M U.-Kingsville | 141 | 5,223 | 0 | 68 | 5,000 | 0 | 41 | 0 | 0 | 0 | 65 | 49 |
| U. Denver | 142 | 5,142 | 0 | 0 | 821 | 24 | 106 | 171 | 670 | 0 | 95 | 3,255 |
| New Jersey Institute of Technology | 143 | 5,099 | 462 | 0 | 113 | 11 | 636 | 0 | 0 | 7 | 1,121 | 2,749 |
| Florida Atlantic U. | 144 | 5,037 | 0 | 76 | 4,564 | 9 | 0 | 17 | 0 | 0 | 129 | 242 |
| U. Nebraska, Lincoln | 145 | 4,893 | 0 | 0 | 3,100 | 11 | 100 | 443 | 218 | 0 | 706 | 315 |
| West Virginia U. | 146 | 4,779 | 0 | 53 | 2,967 | 1 | 37 | 76 | 10 | 0 | 1,536 | 99 |
| East Carolina U. | 147 | 4,714 | 0 | 33 | 4,321 | 0 | 33 | 9 | 14 | 0 | 108 | 196 |
| Montclair State U. | 148 | 4,604 | 0 | 414 | 400 | 185 | 7 | 6 | 7 | 0 | 0 | 3,585 |

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|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| U. Texas, El Paso | 149 | 4,587 | 0 | 0 | 1,483 | 5 | 527 | 1,791 | 263 | 0 | 211 | 307 |
| U. Delaware | 150 | 4,556 | 75 | 917 | 959 | 37 | 335 | 444 | 400 | 0 | 1,242 | 147 |
| Wellesley C. | 151 | 4,508 | 155 | 0 | 154 | 109 | 283 | 0 | 652 | 0 | 0 | 3,155 |
| U. Maine | 152 | 4,452 | 1 | 1,450 | 1,703 | 2 | 5 | 19 | 439 | 183 | 515 | 135 |
| South Dakota State U. | 153 | 4,442 | 0 | 0 | 3,851 | 17 | 47 | 61 | 116 | 0 | 324 | 26 |
| Rensselaer Polytechnic Institute | 154 | 4,337 | 313 | 608 | 423 | 0 | 545 | 0 | 0 | 0 | 2,448 | 0 |
| Cleveland State U. | 155 | 4,260 | 0 | 0 | 2,020 | 24 | 0 | 0 | 691 | 0 | 1,452 | 73 |
| Montana State U., Bozeman | 156 | 4,251 | 20 | 168 | 2,918 | 4 | 694 | 21 | 9 | 0 | 209 | 208 |
| William & Mary | 157 | 4,152 | 75 | 398 | 377 | 24 | 640 | 49 | 1,654 | 0 | 0 | 935 |
| U. Massachusetts, Boston | 158 | 4,108 | 0 | 124 | 908 | 0 | 334 | 251 | 824 | 0 | 4 | 1,663 |
| Chapman U. | 159 | 3,996 | 0 | 0 | 254 | 0 | 220 | 0 | 2,325 | 0 | 0 | 1,197 |
| U. Texas Rio Grande Valley | 159 | 3,996 | 25 | 131 | 3,611 | 43 | 47 | 0 | 0 | 9 | 8 | 122 |
| Texas State U. | 161 | 3,983 | 1 | 714 | 326 | 27 | 54 | 0 | 144 | 19 | 158 | 2,540 |
| U. Mississippi | 162 | 3,712 | 0 | 0 | 2,906 | 15 | 266 | 3 | 204 | 0 | 43 | 275 |
| Rush U. | 163 | 3,586 | 0 | 0 | 3,434 | 0 | 0 | 152 | 0 | 0 | 0 | 0 |
| Louisiana State U., Health Sciences Center, Shreveport | 164 | 3,580 | 0 | 0 | 3,580 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Mexico State U. | 165 | 3,569 | 0 | 7 | 220 | 3 | 3,254 | 0 | 0 | 0 | 33 | 52 |
| U. Washington, Bothell | 166 | 3,366 | 0 | 0 | 54 | 0 | 0 | 0 | 35 | 0 | 0 | 3,277 |
| Loyola U., Chicago | 167 | 3,285 | 0 | 0 | 2,678 | 11 | 0 | 47 | 443 | 0 | 0 | 106 |
| Louisiana State U., Health Sciences Center, New Orleans | 168 | 3,227 | 0 | 0 | 3,227 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brigham Young U., Provo | 169 | 3,216 | 0 | 43 | 844 | 31 | 60 | 0 | 48 | 0 | 785 | 1,405 |
| Baylor U. | 170 | 2,955 | 56 | 112 | 198 | 0 | 384 | 189 | 995 | 0 | 118 | 903 |
| Marquette U. | 171 | 2,942 | 0 | 0 | 1,143 | 109 | 153 | 109 | 100 | 0 | 1,076 | 252 |
| East Tennessee State U. | 172 | 2,925 | 0 | 5 | 816 | 0 | 53 | 1,791 | 46 | 0 | 0 | 214 |
| Van Andel Research Institute | 173 | 2,798 | 0 | 0 | 2,798 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Arkansas for Medical Sciences | 174 | 2,756 | 0 | 0 | 2,756 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Tennessee, Knoxville | 175 | 2,731 | 146 | 1 | 463 | 25 | 18 | 35 | 474 | 59 | 908 | 602 |
| Old Dominion U. | 176 | 2,675 | 108 | 32 | 548 | 523 | 451 | 1 | 57 | 0 | 904 | 51 |
| Portland State U. | 177 | 2,620 | 0 | 0 | 256 | 0 | 347 | 13 | 376 | 0 | 522 | 1,106 |
| Desert Research Institute | 178 | 2,565 | 0 | 1,265 | 1,300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oregon State U. | 179 | 2,564 | 12 | 57 | 1,271 | 15 | 0 | 5 | 257 | 173 | 774 | 0 |

TABLE 29

Higher education R&D expenditures funded by nonprofit organizations, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Texas A&M U.-Corpus Christi | 180 | 2,548 | 0 | 2,312 | 150 | 0 | 35 | 2 | 4 | 0 | 19 | 26 |
| Claremont Graduate U. | 181 | 2,527 | 3 | 0 | 0 | 3 | 0 | 374 | 540 | 0 | 0 | 1,607 |
| Northeast Ohio Medical U. | 182 | 2,489 | 0 | 4 | 2,484 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| U. Toledo | 183 | 2,470 | 0 | 2 | 1,235 | 6 | 148 | 43 | 0 | 0 | 659 | 377 |
| Ohio U. | 184 | 2,411 | 0 | 9 | 1,843 | 0 | 88 | 10 | 240 | 0 | 86 | 135 |
| U. Texas, San Antonio | 185 | 2,408 | 470 | 9 | 806 | 0 | 308 | 1 | 293 | 0 | 263 | 258 |
| U. Texas Health Science Center, Tyler | 186 | 2,320 | 0 | 0 | 2,320 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| California Polytechnic State U., San Luis Obispo | 187 | 2,319 | 0 | 0 | 549 | 0 | 1,424 | 1 | 34 | 0 | 255 | 56 |
| U. Montana, Missoula | 188 | 2,250 | 0 | 0 | 2,141 | 0 | 2 | 0 | 30 | 0 | 0 | 77 |
| U. Nevada, Reno | 189 | 2,177 | 0 | 131 | 1,184 | 13 | 417 | 48 | 119 | 0 | 206 | 59 |
| U. North Carolina, Asheville | 190 | 2,122 | 0 | 2 | 547 | 0 | 172 | 0 | 1 | 2 | 0 | 1,398 |
| Duquesne U. | 191 | 2,118 | 0 | 59 | 537 | 0 | 3 | 31 | 18 | 0 | 11 | 1,459 |
| SUNY, Upstate Medical U. | 192 | 2,039 | 0 | 0 | 2,039 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Southern Methodist U. | 193 | 2,034 | 38 | 44 | 77 | 55 | 138 | 430 | 39 | 0 | 305 | 908 |
| SUNY, U. Albany | 194 | 1,990 | 3 | 221 | 1,578 | 19 | 13 | 3 | 41 | 0 | 18 | 94 |
| Texas Tech U., Health Sciences Center | 195 | 1,963 | 0 | 0 | 1,920 | 0 | 0 | 0 | 0 | 0 | 0 | 43 |
| U. California, Merced | 196 | 1,937 | 0 | 75 | 249 | 96 | 63 | 9 | 318 | 0 | 976 | 151 |
| Humboldt State U. | 197 | 1,899 | 0 | 149 | 638 | 0 | 22 | 2 | 27 | 0 | 967 | 94 |
| Morehouse School of Medicine | 198 | 1,816 | 0 | 0 | 1,816 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Maryland, Baltimore County | 199 | 1,770 | 140 | 135 | 107 | 20 | 349 | 73 | 51 | 0 | 463 | 432 |
| Pacific U. | 200 | 1,766 | 0 | 0 | 613 | 54 | 144 | 0 | 174 | 0 | 0 | 781 |
| U. Alaska, Fairbanks | 201 | 1,753 | 1 | 775 | 318 | 0 | 299 | 0 | 0 | 81 | 251 | 28 |
| Rutgers, State U. New Jersey, Newark | 202 | 1,739 | 2 | 0 | 382 | 0 | 122 | 212 | 220 | 0 | 0 | 801 |
| New York Medical C. | 203 | 1,699 | 0 | 0 | 1,699 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Eastern Virginia Medical School | 204 | 1,686 | 0 | 0 | 1,686 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| San Diego State U. | 205 | 1,631 | 0 | 0 | 662 | 0 | 170 | 276 | 365 | 0 | 58 | 100 |
| U. Wyoming | 206 | 1,599 | 0 | 91 | 1,481 | 19 | 0 | 7 | 0 | 0 | 1 | 0 |
| U. Memphis | 207 | 1,541 | 0 | 0 | 270 | 6 | 6 | 170 | 169 | 0 | 508 | 412 |
| Rowan U. | 208 | 1,536 | 144 | 114 | 509 | 0 | 112 | 14 | 12 | 0 | 363 | 268 |
| Loma Linda U. | 209 | 1,502 | 0 | 0 | 1,501 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

TABLE 29

Higher education R&D expenditures funded by nonprofit organizations, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Texas A&M International U. | 210 | 1,498 | 0 | 0 | 859 | 0 | 0 | 47 | 0 | 0 | 0 | 592 |
| U. North Texas, Health Science Center | 211 | 1,492 | 0 | 0 | 1,412 | 0 | 0 | 0 | 80 | 0 | 0 | 0 |
| Smith C. | 212 | 1,470 | 0 | 22 | 1,110 | 8 | 0 | 14 | 273 | 0 | 6 | 37 |
| Marshall U. | 213 | 1,460 | 0 | 0 | 1,347 | 0 | 27 | 0 | 0 | 0 | 30 | 56 |
| North Dakota State U. | 214 | 1,444 | 0 | 10 | 732 | 10 | 9 | 173 | 448 | 0 | 28 | 34 |
| Northern Arizona U. | 215 | 1,434 | 44 | 8 | 891 | 0 | 79 | 0 | 120 | 13 | 114 | 165 |
| Oakland U. | 216 | 1,419 | 67 | 0 | 335 | 0 | 330 | 5 | 4 | 0 | 674 | 4 |
| Kent State U. | 217 | 1,418 | 9 | 130 | 591 | 13 | 177 | 54 | 304 | 6 | 0 | 134 |
| Auburn U., Auburn | 218 | 1,413 | 0 | 5 | 842 | 8 | 70 | 4 | 62 | 27 | 377 | 18 |
| Albany Medical C. | 219 | 1,355 | 0 | 0 | 1,355 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Akron | 220 | 1,330 | 0 | 0 | 158 | 8 | 282 | 148 | 10 | 0 | 708 | 16 |
| SUNY, Polytechnic Institute | 221 | 1,301 | 0 | 0 | 84 | 0 | 0 | 0 | 0 | 0 | 1,139 | 78 |
| Clark U. | 222 | 1,295 | 0 | 967 | 37 | 0 | 6 | 0 | 178 | 0 | 0 | 107 |
| U. Idaho | 223 | 1,291 | 0 | 26 | 581 | 8 | 3 | 0 | 0 | 0 | 196 | 477 |
| Colorado School of Mines | 224 | 1,273 | 0 | 82 | 73 | 0 | 14 | 0 | 116 | 0 | 975 | 13 |
| U. Maryland Center for Environmental Science | 225 | 1,267 | 0 | 773 | 478 | 0 | 16 | 0 | 0 | 0 | 0 | 0 |
| Fordham U. | 226 | 1,246 | 0 | 0 | 267 | 0 | 6 | 48 | 30 | 0 | 0 | 895 |
| SUNY, Binghamton U. | 227 | 1,243 | 0 | 37 | 174 | 22 | 59 | 40 | 60 | 0 | 836 | 15 |
| Trinity U. | 228 | 1,216 | 0 | 0 | 89 | 0 | 514 | 17 | 388 | 0 | 68 | 140 |
| U. Missouri, Saint Louis | 229 | 1,213 | 3 | 0 | 44 | 1 | 35 | 0 | 827 | 0 | 0 | 303 |
| U. Tennessee, Knoxville, Institute of Agriculture | 230 | 1,193 | 0 | 0 | 1,173 | 0 | 0 | 0 | 0 | 20 | 0 | 0 |
| San Francisco State U. | 231 | 1,162 | 0 | 137 | 398 | 2 | 4 | 0 | 588 | 0 | 3 | 30 |
| U. Southern Mississippi | 232 | 1,144 | 3 | 472 | 350 | 0 | 230 | 0 | 0 | 0 | 84 | 5 |
| Florida Gulf Coast U. | 233 | 1,130 | 0 | 147 | 24 | 5 | 10 | 0 | 20 | 0 | 0 | 924 |
| Western Washington U. | 234 | 1,129 | 0 | 67 | 157 | 2 | 91 | 697 | 53 | 0 | 62 | 0 |
| San Jose State U. | 235 | 1,111 | 0 | 861 | 2 | 0 | 0 | 50 | 43 | 0 | 147 | 8 |
| Wright State U. | 236 | 1,108 | 67 | 1 | 892 | 2 | 25 | 13 | 0 | 0 | 78 | 30 |
| Hope C. | 237 | 1,103 | 0 | 0 | 3 | 0 | 855 | 236 | 0 | 0 | 9 | 0 |
| SUNY, Downstate Medical Center | 238 | 1,096 | 0 | 0 | 1,096 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Massachusetts, Lowell | 239 | 1,095 | 129 | 0 | 204 | 18 | 219 | 32 | 37 | 0 | 313 | 143 |

TABLE 29

Higher education R&D expenditures funded by nonprofit organizations, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| U. South Dakota | 240 | 1,094 | 0 | 0 | 609 | 0 | 0 | 6 | 0 | 0 | 350 | 129 |
| U. North Texas, Denton | 241 | 1,087 | 44 | 11 | 137 | 21 | 345 | 255 | 0 | 0 | 56 | 218 |
| U. Oklahoma, Tulsa | 242 | 1,084 | 0 | 0 | 133 | 0 | 0 | 0 | 36 | 0 | 24 | 891 |
| CUNY, Graduate Center | 243 | 1,077 | 0 | 2 | 0 | 0 | 0 | 268 | 235 | 0 | 0 | 572 |
| U. Wisconsin-Milwaukee | 244 | 1,071 | 0 | 75 | 248 | 31 | 278 | 166 | 57 | 0 | 137 | 79 |
| CUNY, City C. | 245 | 1,033 | 92 | 1 | 292 | 11 | 29 | 0 | 0 | 0 | 434 | 174 |
| Illinois Institute of Technology | 246 | 1,007 | 0 | 0 | 119 | 0 | 12 | 0 | 102 | 0 | 769 | 5 |
| Rochester Institute of Technology | 246 | 1,007 | 195 | 0 | 102 | 16 | 342 | 1 | 45 | 0 | 157 | 149 |
| North Carolina Central U. | 248 | 980 | 0 | 0 | 8 | 0 | 0 | 0 | 204 | 0 | 39 | 729 |
| U. Alabama, Tuscaloosa | 249 | 977 | 0 | 42 | 103 | 12 | 52 | 83 | 82 | 0 | 484 | 119 |
| Virginia State U. | 250 | 954 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 921 |
| Minnesota State U., Mankato | 251 | 951 | 0 | 0 | 78 | 0 | 12 | 0 | 0 | 0 | 858 | 3 |
| U. North Carolina, Charlotte | 252 | 941 | 0 | 61 | 314 | 12 | 206 | 30 | 8 | 0 | 271 | 39 |
| U. Baltimore | 253 | 937 | 0 | 0 | 0 | 0 | 0 | 0 | 499 | 0 | 0 | 438 |
| Rosalind Franklin U. of Medicine and Science | 254 | 922 | 0 | 0 | 922 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wheaton C., Wheaton | 255 | 920 | 0 | 0 | 20 | 0 | 0 | 307 | 586 | 0 | 0 | 7 |
| CUNY, Graduate School of Public Health and Health Policy | 256 | 913 | 0 | 0 | 913 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wesleyan U. | 257 | 903 | 0 | 0 | 27 | 1 | 112 | 0 | 425 | 0 | 0 | 338 |
| California State U., Sacramento | 258 | 888 | 0 | 34 | 5 | 0 | 3 | 0 | 21 | 29 | 526 | 270 |
| Grand Valley State U. | 259 | 877 | 0 | 176 | 132 | 0 | 0 | 2 | 515 | 0 | 0 | 52 |
| Meharry Medical C. | 260 | 872 | 0 | 0 | 872 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. New Orleans | 261 | 864 | 0 | 322 | 21 | 0 | 60 | 1 | 453 | 0 | 1 | 6 |
| Seton Hall U. | 262 | 851 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 851 |
| Clarkson U. | 263 | 845 | 0 | 0 | 109 | 6 | 118 | 0 | 0 | 0 | 587 | 25 |
| Creighton U. | 264 | 827 | 22 | 14 | 597 | 6 | 43 | 10 | 52 | 0 | 0 | 83 |
| Missouri U. of Science and Technology | 265 | 820 | 0 | 10 | 0 | 2 | 46 | 0 | 12 | 0 | 750 | 0 |
| Niagara U. | 266 | 807 | 0 | 0 | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 802 |
| Central Michigan U. | 267 | 806 | 0 | 0 | 589 | 6 | 150 | 33 | 24 | 0 | 0 | 4 |
| U. Nevada, Las Vegas | 268 | 805 | 0 | 0 | 401 | 0 | 20 | 0 | 65 | 52 | 69 | 198 |
| Villanova U. | 269 | 778 | 0 | 4 | 35 | 6 | 35 | 23 | 202 | 0 | 243 | 230 |

TABLE 29

Higher education R&D expenditures funded by nonprofit organizations, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Erikson Institute | 270 | 759 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 759 |
| Illinois State U. | 271 | 749 | 0 | 9 | 41 | 18 | 0 | 0 | 168 | 0 | 0 | 513 |
| U. Nebraska, Omaha | 272 | 738 | 304 | 3 | 62 | 3 | 21 | 26 | 76 | 0 | 0 | 243 |
| U. Missouri, Kansas City | 273 | 733 | 0 | 0 | 341 | 3 | 0 | 34 | 278 | 0 | 60 | 17 |
| Oklahoma State U., Stillwater | 274 | 698 | 0 | 0 | 583 | 26 | 0 | 0 | 17 | 0 | 32 | 40 |
| Franklin W. Olin C. of Engineering | 275 | 697 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92 | 605 |
| Mills C. | 276 | 693 | 0 | 0 | 106 | 0 | 0 | 0 | 63 | 0 | 0 | 524 |
| U. New Haven | 277 | 685 | 0 | 0 | 11 | 0 | 0 | 0 | 477 | 0 | 197 | 0 |
| Catholic U. of America | 278 | 681 | 0 | 0 | 0 | 0 | 0 | 13 | 109 | 0 | 8 | 551 |
| Worcester Polytechnic Institute | 279 | 656 | 38 | 0 | 132 | 32 | 63 | 0 | 1 | 0 | 335 | 55 |
| Stevens Institute of Technology | 280 | 654 | 97 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 219 | 337 |
| U. Dayton | 281 | 648 | 185 | 0 | 86 | 0 | 5 | 8 | 74 | 0 | 254 | 36 |
| Pomona C. | 282 | 646 | 0 | 14 | 31 | 14 | 83 | 33 | 133 | 0 | 0 | 338 |
| C. Charleston | 283 | 638 | 0 | 1 | 217 | 16 | 0 | 2 | 40 | 0 | 0 | 362 |
| Howard U. | 284 | 636 | 23 | 0 | 430 | 12 | 52 | 17 | 102 | 0 | 0 | 0 |
| Utah State U. | 285 | 630 | 0 | 0 | 510 | 10 | 42 | 7 | 0 | 0 | 46 | 15 |
| U. Alaska, Anchorage | 286 | 624 | 1 | 13 | 388 | 0 | 0 | 0 | 183 | 8 | 0 | 31 |
| Western Michigan U. and Homer Stryker M.D. School of Medicine | 287 | 623 | 0 | 25 | 239 | 10 | 15 | 11 | 0 | 0 | 260 | 63 |
| Sul Ross State U. | 288 | 622 | 0 | 0 | 247 | 0 | 0 | 0 | 375 | 0 | 0 | 0 |
| MGH Institute of Health Professions | 289 | 616 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 616 |
| Southern Illinois U., Carbondale | 290 | 612 | 0 | 0 | 495 | 4 | 0 | 0 | 73 | 1 | 39 | 0 |
| U. North Dakota | 291 | 609 | 0 | 20 | 254 | 0 | 0 | 0 | 0 | 0 | 325 | 10 |
| Texas Woman's U. | 292 | 607 | 0 | 0 | 226 | 0 | 39 | 320 | 0 | 0 | 0 | 22 |
| Kennesaw State U. | 293 | 598 | 0 | 0 | 114 | 9 | 0 | 0 | 450 | 0 | 0 | 25 |
| California State U., Northridge | 294 | 587 | 57 | 9 | 89 | 4 | 74 | 0 | 95 | 0 | 41 | 218 |
| Florida Institute of Technology | 295 | 579 | 21 | 26 | 28 | 0 | 0 | 0 | 0 | 0 | 161 | 343 |
| U. Massachusetts, central office | 296 | 578 | 0 | 0 | 116 | 0 | 0 | 0 | 146 | 0 | 0 | 316 |
| Loyola Marymount U. | 297 | 571 | 0 | 171 | 0 | 3 | 4 | 235 | 102 | 0 | 0 | 56 |
| Colorado C. | 298 | 567 | 0 | 0 | 0 | 0 | 1 | 6 | 247 | 0 | 0 | 313 |

TABLE 29

Higher education R&D expenditures funded by nonprofit organizations, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields | | | | | | | | | | | |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|---|----|---|----|---|----|---|---|---|----|---|
| SUNY, C. of Environmental Science and Forestry | 299 | 542 | 0 | 0 | 479 | 0 | 0 | 0 | 9 | 0 | 53 | 1 | | | | | | | | | | | |
| CUNY, Hunter C. | 300 | 541 | 4 | 0 | 119 | 0 | 49 | 33 | 33 | 0 | 0 | 303 | | | | | | | | | | | |
| U. North Georgia | 301 | 540 | 0 | 70 | 14 | 1 | 0 | 0 | 0 | 0 | 0 | 455 | | | | | | | | | | | |
| Willamette U. | 302 | 539 | 0 | 8 | 67 | 0 | 88 | 0 | 1 | 0 | 0 | 375 | | | | | | | | | | | |
| La Sierra U. | 303 | 538 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 536 | | | | | | | | | | | |
| Rutgers, State U. New Jersey, Camden | 304 | 537 | 62 | 0 | 0 | 0 | 0 | 0 | 85 | 0 | 0 | 390 | | | | | | | | | | | |
| CUNY, Queens C. | 305 | 535 | 0 | 48 | 177 | 28 | 0 | 50 | 223 | 0 | 0 | 9 | | | | | | | | | | | |
| U. San Francisco | 306 | 534 | 0 | 3 | 18 | 0 | 19 | 0 | 132 | 0 | 0 | 362 | | | | | | | | | | | |
| Claremont McKenna C. | 307 | 531 | 0 | 0 | 1 | 10 | 4 | 9 | 421 | 63 | 0 | 23 | | | | | | | | | | | |
| U. West Florida | 307 | 531 | 0 | 0 | 24 | 30 | 1 | 0 | 50 | 0 | 0 | 426 | | | | | | | | | | | |
| Boise State U. | 309 | 530 | 0 | 45 | 322 | 10 | 90 | 3 | 9 | 0 | 47 | 4 | | | | | | | | | | | |
| Santa Clara U. | 310 | 526 | 0 | 0 | 29 | 6 | 24 | 14 | 25 | 0 | 396 | 32 | | | | | | | | | | | |
| Fairfield U. | 311 | 521 | 0 | 0 | 68 | 0 | 0 | 0 | 0 | 13 | 60 | 380 | | | | | | | | | | | |
| Coastal Carolina U. | 312 | 517 | 0 | 513 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | |
| CUNY, John Jay C. of Criminal Justice | 313 | 512 | 0 | 0 | 6 | 0 | 0 | 2 | 106 | 0 | 0 | 398 | | | | | | | | | | | |
| Wichita State U. | 314 | 507 | 0 | 0 | 48 | 2 | 3 | 13 | 0 | 0 | 80 | 361 | | | | | | | | | | | |
| CUNY, Brooklyn C. | 315 | 501 | i | 18 | i | 109 | i | 64 | i | 4 | i | 35 | i | 50 | i | 44 | i | 87 | i | 0 | i | 90 | i |
| St. Edward's U. | 316 | 500 | 150 | 100 | 0 | 10 | 25 | 9 | 0 | 0 | 0 | 206 | | | | | | | | | | | |
| Hamilton C. | 317 | 491 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 489 | | | | | | | | | | | |
| James Madison U. | 318 | 490 | 0 | 0 | 229 | 7 | 118 | 3 | 13 | 0 | 13 | 107 | | | | | | | | | | | |
| U. of the Sciences Philadelphia | 319 | 484 | 0 | 0 | 423 | 0 | 61 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | |
| U. of the Pacific | 320 | 483 | 0 | 0 | 210 | 0 | 0 | 0 | 0 | 0 | 0 | 273 | | | | | | | | | | | |
| DePaul U. | 321 | 473 | 42 | 0 | 19 | 0 | 36 | 199 | 0 | 0 | 0 | 177 | | | | | | | | | | | |
| Rhode Island C. | 322 | 467 | 0 | 0 | 7 | 0 | 0 | 34 | 0 | 0 | 0 | 426 | | | | | | | | | | | |
| Mount Holyoke C. | 323 | 466 | 0 | 0 | 15 | 0 | 26 | 150 | 118 | 0 | 0 | 157 | | | | | | | | | | | |
| California State U., Fullerton | 324 | 465 | 2 | 47 | 150 | 0 | 60 | 0 | 65 | 0 | 22 | 119 | | | | | | | | | | | |
| California State U., Long Beach | 324 | 465 | 0 | 0 | 315 | 11 | 38 | 0 | 0 | 0 | 50 | 51 | | | | | | | | | | | |
| Indiana U. Pennsylvania | 326 | 464 | 0 | 3 | 190 | 0 | 2 | 0 | 55 | 0 | 0 | 214 | | | | | | | | | | | |
| Bowling Green State U. | 327 | 461 | 0 | 2 | 50 | 4 | 60 | 154 | 152 | 0 | 0 | 39 | | | | | | | | | | | |
| California State U., Los Angeles | 327 | 461 | 36 | 0 | 80 | 0 | 98 | 60 | 36 | 0 | 108 | 43 | | | | | | | | | | | |
| St. Cloud State U. | 329 | 460 | 0 | 0 | 146 | 0 | 0 | 0 | 36 | 0 | 0 | 278 | | | | | | | | | | | |

TABLE 29

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|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Lawrence Technological U. | 330 | 449 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 185 | 264 |
| Philadelphia C. of Osteopathic Medicine | 331 | 448 | 0 | 0 | 448 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Hawaii, Hilo | 332 | 440 | 0 | 2 | 351 | 0 | 0 | 0 | 0 | 87 | 0 | 0 |
| Miami U. | 333 | 438 | 0 | 0 | 272 | 10 | 0 | 86 | 10 | 0 | 24 | 36 |
| Lehigh U. | 334 | 435 | 0 | 0 | 23 | 28 | 150 | 0 | 8 | 0 | 190 | 36 |
| New York Institute of Technology | 335 | 432 | 0 | 0 | 316 | 0 | 0 | 0 | 0 | 0 | 100 | 16 |
| U. Rhode Island | 336 | 427 | 0 | 30 | 236 | 0 | 8 | 0 | 110 | 11 | 32 | 0 |
| Carleton C. | 337 | 423 | 0 | 69 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 323 |
| Emerson C. | 338 | 417 | 87 | 0 | 128 | 0 | 0 | 0 | 73 | 0 | 0 | 129 |
| U. Puerto Rico, Mayaguez | 338 | 417 | 0 | 0 | 92 | 39 | 20 | 0 | 42 | 0 | 155 | 69 |
| Pennsylvania State U., Harrisburg | 340 | 416 | 22 | 2 | 111 | 21 | 22 | 22 | 32 | 0 | 145 | 39 |
| U. Northern Colorado | 340 | 416 | 0 | 0 | 370 | 3 | 0 | 2 | 41 | 0 | 0 | 0 |
| Bowdoin C. | 342 | 411 | 0 | 0 | 95 | 10 | 123 | 0 | 72 | 0 | 0 | 111 |
| California State U., Monterey Bay | 343 | 410 | 0 | 41 | 100 | 0 | 0 | 210 | 0 | 0 | 0 | 59 |
| Edward Via C. of Osteopathic Medicine | 344 | 403 | 0 | 0 | 403 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nova Southeastern U. | 345 | 398 | 0 | 128 | 254 | 0 | 0 | 0 | 11 | 0 | 0 | 5 |
| U. North Carolina, Wilmington | 346 | 396 | 0 | 0 | 60 | 0 | 0 | 0 | 215 | 0 | 0 | 121 |
| Gettysburg C. | 347 | 394 | 0 | 11 | 311 | 0 | 5 | 18 | 23 | 0 | 0 | 26 |
| Occidental C. | 348 | 389 | 0 | 1 | 82 | 0 | 128 | 178 | 0 | 0 | 0 | 0 |
| U. Richmond | 349 | 382 | 0 | 2 | 68 | 21 | 191 | 60 | 8 | 0 | 0 | 32 |
| Yeshiva U. | 350 | 381 | 0 | 0 | 381 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| West Chester U. Pennsylvania | 351 | 376 | 0 | 0 | 213 | 0 | 53 | 64 | 46 | 0 | 0 | 0 |
| U. Arkansas, Little Rock | 352 | 363 | 206 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 52 | 71 |
| Seattle U. | 353 | 362 | 0 | 0 | 61 | 8 | 32 | 0 | 14 | 0 | 78 | 169 |
| Appalachian State U. | 354 | 357 | 0 | 211 | 20 | 25 | 3 | 1 | 73 | 0 | 0 | 24 |
| Bucknell U. | 355 | 355 | 107 | 0 | 15 | 3 | 4 | 2 | 0 | 110 | 114 | 0 |
| U.S. Naval Academy | 355 | 355 | 0 | 5 | 0 | 270 | 40 | 0 | 0 | 0 | 40 | 0 |
| U. Tennessee, Chattanooga | 357 | 354 | 0 | 0 | 85 | 0 | 0 | 0 | 2 | 29 | 222 | 16 |
| Barnard C. | 358 | 347 | 0 | 9 | 30 | 1 | 36 | 12 | 234 | 0 | 0 | 25 |

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|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Jackson State U. | 358 | 347 | 50 | 0 | 0 | 6 | 0 | 0 | 170 | 0 | 121 | 0 |
| Grinnell C. | 360 | 344 | 38 | 0 | 0 | 0 | 0 | 70 | 82 | 0 | 0 | 154 |
| California State U., Fresno | 361 | 341 | 0 | 31 | 184 | 0 | 41 | 0 | 54 | 0 | 11 | 20 |
| Lewis and Clark C. | 362 | 336 | 0 | 40 | 36 | 56 | 80 | 61 | 0 | 0 | 0 | 63 |
| Texas Tech U., Health Sciences Center, El Paso | 363 | 335 | 0 | 0 | 256 | 0 | 0 | 0 | 0 | 0 | 0 | 79 |
| Ball State U. | 364 | 333 | 0 | 29 | 120 | 0 | 35 | 0 | 47 | 0 | 0 | 102 |
| Lamar U. | 364 | 333 | 0 | 0 | 0 | 46 | 23 | 0 | 0 | 0 | 0 | 264 |
| CUNY, Baruch C. | 366 | 330 | 0 | 55 | 62 | 6 | 0 | 1 | 113 | 0 | 0 | 93 |
| Monmouth U. | 367 | 321 | 0 | 289 | 31 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Swarthmore C. | 368 | 320 | 0 | 0 | 111 | 3 | 50 | 0 | 125 | 3 | 0 | 28 |
| Bryn Mawr C. | 369 | 319 | 0 | 0 | 0 | 10 | 1 | 0 | 49 | 0 | 0 | 259 |
| U. Houston-Downtown | 370 | 312 | 0 | 0 | 1 | 0 | 76 | 0 | 73 | 0 | 35 | 127 |
| Pennsylvania State U., Behrend | 371 | 305 | 4 | 148 | 24 | 24 | 48 | 4 | 5 | 0 | 34 | 14 |
| Towson U. | 372 | 303 | 51 | 86 | 19 | 0 | 55 | 92 | 0 | 0 | 0 | 0 |
| U. Alabama, Huntsville | 373 | 301 | 1 | 60 | 119 | 0 | 94 | 0 | 0 | 0 | 27 | 0 |
| C. Wooster | 374 | 297 | 0 | 9 | 1 | 0 | 26 | 0 | 173 | 14 | 0 | 74 |
| U. Massachusetts, Dartmouth | 375 | 287 | 0 | 145 | 16 | 0 | 0 | 0 | 97 | 0 | 29 | 0 |
| Skidmore C. | 376 | 286 | 0 | 0 | 21 | 0 | 53 | 88 | 124 | 0 | 0 | 0 |
| U. San Diego | 377 | 273 | 0 | 0 | 5 | 0 | 124 | 0 | 55 | 0 | 0 | 89 |
| U. South Florida, Saint Petersburg | 377 | 273 | 0 | 0 | 91 | 0 | 0 | 0 | 0 | 0 | 0 | 182 |
| Midwestern U. | 379 | 270 | 0 | 0 | 270 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Florida A&M U. | 380 | 267 | 0 | 5 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 229 |
| Franklin and Marshall C. | 381 | 265 | 0 | 18 | 3 | 92 | 78 | 0 | 0 | 0 | 0 | 74 |
| Southern Illinois U., Edwardsville | 382 | 260 | 0 | 0 | 8 | 7 | 21 | 14 | 0 | 0 | 94 | 116 |
| Northern Illinois U. | 383 | 255 | 0 | 2 | 42 | 39 | 27 | 3 | 43 | 0 | 17 | 82 |
| Liberty U. | 384 | 254 | 0 | 0 | 146 | 0 | 0 | 0 | 0 | 0 | 0 | 108 |
| U. of St. Thomas (MN) | 385 | 249 | 0 | 3 | 0 | 14 | 6 | 44 | 3 | 0 | 0 | 179 |
| Michigan Technological U. | 386 | 247 | 0 | 35 | 34 | 5 | 75 | 0 | 13 | 0 | 85 | 0 |
| Eastern Michigan U. | 387 | 245 | 0 | 0 | 79 | 0 | 0 | 0 | 97 | 0 | 0 | 69 |
| Saint Joseph's U. | 387 | 245 | 0 | 0 | 45 | 0 | 67 | 97 | 36 | 0 | 0 | 0 |
| Mercer U. | 389 | 242 | 0 | 0 | 149 | 0 | 0 | 0 | 8 | 85 | 0 | 0 |

TABLE 29

Higher education R&D expenditures funded by nonprofit organizations, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Colgate U. | 390 | 241 | 0 | 0 | 5 | 21 | 80 | 81 | 22 | 0 | 0 | 32 |
| U. Portland | 390 | 241 | 0 | 0 | 70 | 0 | 110 | 5 | 16 | 0 | 34 | 6 |
| Texas Christian U. | 392 | 240 | 0 | 0 | 67 | 12 | 127 | 0 | 16 | 0 | 0 | 18 |
| Reed C. | 393 | 236 | 0 | 0 | 66 | 7 | 33 | 75 | 55 | 0 | 0 | 0 |
| Charles R. Drew U. of Medicine and Science | 394 | 235 | 0 | 0 | 235 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Andrews U. | 395 | 233 | 0 | 3 | 0 | 0 | 0 | 0 | 178 | 0 | 1 | 51 |
| South Dakota School of Mines and Technology | 396 | 229 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 229 | 0 |
| Haverford C. | 397 | 219 | 5 i | 11 i | 71 i | 5 i | 27 i | 7 i | 27 i | 0 i | 0 i | 66 i |
| New Mexico Institute of Mining and Technology | 398 | 215 | 0 | 215 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dickinson C. | 399 | 209 | 0 | 25 | 2 | 0 | 0 | 13 | 0 | 0 | 0 | 169 |
| SUNY, Buffalo State | 399 | 209 | 0 | 171 | 0 | 0 | 0 | 2 | 36 | 0 | 0 | 0 |
| North Carolina Agricultural and Technical State U. | 401 | 208 | 55 | 0 | 1 | 0 | 30 | 19 | 0 | 0 | 0 | 103 |
| U. of the Incarnate Word | 401 | 208 | 0 | 0 | 162 | 0 | 46 | 0 | 0 | 0 | 0 | 0 |
| U. South Alabama | 403 | 206 | 0 | 0 | 149 | 11 | 0 | 2 | 0 | 0 | 44 | 0 |
| Idaho State U. | 404 | 200 | 0 | 0 | 195 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Southwest C. of Naturopathic Medicine and Health Sciences | 404 | 200 | 0 | 0 | 200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Wisconsin-La Crosse | 406 | 199 | 0 | 0 | 25 | 0 | 2 | 0 | 172 | 0 | 0 | 0 |
| Babson C. | 407 | 198 | 0 i | 0 i | 0 i | 0 i | 0 i | 0 i | 0 i | 0 i | 0 i | 198 i |
| Trinity C., Hartford | 408 | 195 | 0 | 0 | 0 | 0 | 13 | 0 | 51 | 0 | 0 | 131 |
| Western U. of Health Sciences | 409 | 194 | 0 | 0 | 186 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Harvey Mudd C. | 410 | 191 | 52 | 0 | 13 | 22 | 55 | 0 | 0 | 27 | 21 | 1 |
| Calvin U. | 411 | 188 | 0 | 28 | 36 | 0 | 27 | 0 | 58 | 0 | 8 | 31 |
| U. Puerto Rico, Cayey | 412 | 185 | 0 | 0 | 120 i | 0 | 0 | 0 | 65 i | 0 | 0 | 0 |
| Stephen F. Austin State U. | 413 | 184 | 0 | 0 | 67 | 0 | 41 | 0 | 0 | 0 | 0 | 76 |
| Texas A&M U.-Commerce | 413 | 184 | 0 | 0 | 98 | 10 | 45 | 31 | 0 | 0 | 0 | 0 |
| Heidelberg U. | 415 | 182 | 0 | 182 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Michigan, Dearborn | 416 | 179 | 0 | 0 | 58 | 3 | 4 | 39 | 13 | 0 | 62 | 0 |
| Pittsburg State U. | 417 | 173 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 173 | 0 |
| Whitman C. | 418 | 172 | 5 | 33 | 62 | 0 | 72 | 0 | 0 | 0 | 0 | 0 |

TABLE 29

Higher education R&D expenditures funded by nonprofit organizations, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| Tennessee Technological U. | 419 | 170 | 0 | 17 | 15 | 0 | 0 | 0 | 0 | 0 | 108 | 30 |
| Southeastern Louisiana U. | 420 | 168 | 0 | 0 | 168 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Winthrop U. | 420 | 168 | 0 | 0 | 1 | 0 | 19 | 0 | 146 | 0 | 0 | 2 |
| Allegheny C. | 422 | 160 | 0 | 17 | 13 | 0 | 27 | 0 | 3 | 47 | 0 | 53 |
| Saginaw Valley State U. | 423 | 159 | 0 | 0 | 43 | 9 | 4 | 0 | 35 | 53 | 15 | 0 |
| Davidson C. | 424 | 158 | 0 | 0 | 10 | 6 | 0 | 33 | 58 | 0 | 0 | 51 |
| Oregon Institute of Technology | 425 | 157 | 1 i | 10 i | 67 i | 3 i | 0 i | 5 i | 0 i | 0 i | 18 i | 53 i |
| Long Island U. | 426 | 155 | 0 | 0 | 126 | 0 | 14 | 4 | 2 | 0 | 0 | 9 |
| Amherst C. | 427 | 154 | 0 | 17 | 0 | 0 | 53 | 0 | 84 | 0 | 0 | 0 |
| U. Tulsa | 427 | 154 | 25 | 0 | 62 | 0 | 0 | 65 | 2 | 0 | 0 | 0 |
| Gallaudet U. | 429 | 153 | 37 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 111 |
| U. Wisconsin-Stevens Point | 429 | 153 i | 3 i | 5 i | 90 i | 1 i | 7 i | 2 i | 6 i | 0 i | 25 i | 14 i |
| Western Carolina U. | 429 | 153 | 0 | 0 | 71 | 5 | 42 | 0 | 0 | 0 | 23 | 12 |
| U. North Carolina, Greensboro | 432 | 149 | 0 | 0 | 15 | 15 | 0 | 1 | 0 | 0 | 0 | 118 |
| Drake U. | 433 | 146 | 0 | 0 | 99 | 0 | 0 | 0 | 11 | 0 | 0 | 36 |
| Williams C. | 434 | 145 | 0 | 0 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 97 |
| Purdue U., Fort Wayne | 435 | 144 | 0 | 0 | 68 | 3 | 0 | 0 | 0 | 4 | 1 | 68 |
| Pepperdine U. | 436 | 143 | 0 | 0 | 0 | 0 | 17 | 39 | 0 | 0 | 0 | 87 |
| U. Central Arkansas | 437 | 142 | 27 | 0 | 50 | 0 | 3 | 27 | 2 | 33 | 0 | 0 |
| CUNY, Advanced Science Research Center | 438 | 141 | 0 | 0 | 109 | 0 | 32 | 0 | 0 | 0 | 0 | 0 |
| U. Detroit Mercy | 438 | 141 | 0 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 132 | 0 |
| Kenyon C. | 440 | 140 | 0 | 0 | 44 | 9 | 70 | 0 | 6 | 0 | 0 | 11 |
| New Jersey City U. | 440 | 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140 |
| Northern Kentucky U. | 440 | 140 | 0 | 0 | 17 | 0 | 80 | 0 | 0 | 0 | 0 | 43 |
| U. Louisiana, Monroe | 440 | 140 | 0 | 0 | 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Johnson C. Smith U. | 444 | 139 | 0 | 0 | 121 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| U. New England | 444 | 139 | 0 | 2 | 137 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Purdue U., Northwest | 446 | 137 | 0 | 0 | 6 | 0 | 2 | 2 | 0 | 30 | 25 | 72 |
| Embry-Riddle Aeronautical U. | 447 | 132 | 0 | 6 | 0 | 0 | 78 | 0 | 13 | 0 | 24 | 11 |
| CUNY, system office | 448 | 131 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 131 | 0 | 0 |
| U. Houston-Clear Lake | 448 | 131 | 0 | 0 | 59 | 0 | 34 | 29 | 5 | 0 | 0 | 4 |
| Clark Atlanta U. | 450 | 130 | 0 | 0 | 0 | 0 | 0 | 0 | 130 | 0 | 0 | 0 |
| A. T. Still U. | 451 | 122 | 0 | 0 | 122 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TABLE 29

Higher education R&D expenditures funded by nonprofit organizations, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| U. Michigan, Flint | 452 | 121 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 84 |
| Furman U. | 453 | 119 | 0 | 0 | 47 | 0 | 72 | 0 | 0 | 0 | 0 | 0 |
| Salisbury U. | 453 | 119 | 0 | 0 | 6 | 0 | 0 | 0 | 21 | 0 | 0 | 92 |
| Toyota Technological Institute, Chicago | 455 | 117 | 117 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Washington U. | 456 | 115 | 0 | 42 | 0 | 27 | 18 | 1 | 12 | 0 | 15 | 0 |
| Northwest Indian C. | 456 | 115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 115 |
| Sam Houston State U. | 456 | 115 | 0 | 0 | 30 | 0 | 57 | 0 | 6 | 0 | 0 | 22 |
| U. Wisconsin-Eau Claire | 459 | 114 | 0 | 0 | 8 | 0 | 43 | 36 | 27 | 0 | 0 | 0 |
| Middle Tennessee State U. | 460 | 113 | 0 | 0 | 49 | 10 | 11 | 0 | 43 | 0 | 0 | 0 |
| Macalester C. | 461 | 111 | 0 | 73 | 2 | 8 | 24 | 0 | 0 | 0 | 0 | 4 |
| Prairie View A&M U. | 461 | 111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 94 | 17 |
| U. Puerto Rico, Rio Piedras | 463 | 110 | 0 | 0 | 1 | 0 | 51 | 0 | 0 | 0 | 0 | 58 |
| Southern Connecticut State U. | 464 | 108 | 0 | 0 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| St. Olaf C. | 465 | 107 | 0 | 0 | 0 | 0 | 19 | 0 | 49 | 0 | 0 | 39 |
| St. John's U., New York | 466 | 105 | 0 | 0 | 86 | 6 | 0 | 11 | 0 | 0 | 0 | 2 |
| Bates C. | 467 | 101 | 0 | 1 | 53 | 7 | 4 | 0 | 2 | 34 | 0 | 0 |
| California State U., Chico | 468 | 100 | 0 | 0 | 31 | 0 | 0 | 40 | 3 | 0 | 26 | 0 |
| Hofstra U. | 469 | 99 | 0 | 0 | 25 | 7 | 0 | 3 | 51 | 0 | 7 | 6 |
| Dillard U. | 470 | 98 | 0 | 0 | 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Biola U. | 471 | 95 i | 2 i | 0 i | 64 i | 1 i | 4 i | 1 i | 5 i | 0 i | 10 i | 8 i |
| Indiana State U. | 472 | 94 | 0 | 2 | 82 | 0 | 0 | 10 | 0 | 0 | 0 | 0 |
| U. of Mary Washington | 472 | 94 | 0 | 0 | 2 | 0 | 0 | 0 | 28 | 0 | 0 | 64 |
| Christopher Newport U. | 474 | 90 | 0 | 0 | 59 | 0 | 31 | 0 | 0 | 0 | 0 | 0 |
| Fayetteville State U. | 474 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 |
| Hobart and William Smith Colleges | 474 | 90 | 0 | 0 | 56 | 0 | 23 | 0 | 0 | 0 | 0 | 11 |
| Roseman U. of Health Sciences | 477 | 89 i | 0 i | 0 i | 89 i | 0 i | 0 i | 0 i | 0 i | 0 i | 0 i | 0 i |
| Des Moines U. | 478 | 88 | 0 | 0 | 66 | 0 | 0 | 0 | 4 | 0 | 0 | 18 |
| U. Southern Maine | 478 | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 0 | 0 | 0 |
| Fisk U. | 480 | 86 | 86 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. North Florida | 480 | 86 | 0 | 0 | 19 | 0 | 4 | 1 | 61 | 0 | 0 | 1 |
| Western Kentucky U. | 482 | 85 | 0 | 2 | 37 | 0 | 10 | 0 | 26 | 0 | 0 | 10 |
| Eastern Washington U. | 483 | 84 | 0 | 0 | 27 | 0 | 0 | 0 | 57 | 0 | 0 | 0 |

TABLE 29

Higher education R&D expenditures funded by nonprofit organizations, ranked by all R&D expenditures, by R&D field: FY 2019

(Dollars in thousands)

| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields |
|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| SUNY, C. of Optometry | 483 | 84 | 0 | 0 | 84 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. California, Office of the President | 485 | 80 | 0 | 0 | 75 | 0 | 0 | 0 | 0 | 5 | 0 | 0 |
| Tarleton State U. | 486 | 79 | 0 | 21 | 18 | 0 | 37 | 0 | 3 | 0 | 0 | 0 |
| New England C. of Optometry | 487 | 77 | 0 | 0 | 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Minnesota, Duluth | 487 | 77 | 15 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 13 | 30 |
| U. Wisconsin-Green Bay | 487 | 77 | 2 i | 3 i | 42 i | 1 i | 4 i | 1 i | 4 i | 0 i | 14 i | 6 i |
| U. Illinois, Springfield | 490 | 74 | 0 | 0 | 3 | 0 | 0 | 0 | 71 | 0 | 0 | 0 |
| U. Texas, Tyler | 491 | 73 | 0 | 0 | 22 | 4 | 44 | 2 | 0 | 0 | 1 | 0 |
| U. Colorado Colorado Springs | 492 | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 59 |
| Youngstown State U. | 492 | 71 | 0 | 0 | 8 | 0 | 22 | 0 | 0 | 0 | 0 | 41 |
| CUNY, C. Staten Island | 494 | 64 | 0 | 0 | 0 | 0 | 46 | 18 | 0 | 0 | 0 | 0 |
| Pace U. | 494 | 64 | 0 | 0 | 1 | 0 | 45 | 1 | 11 | 0 | 0 | 6 |
| California State U., Stanislaus | 496 | 62 | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Texas A&M U.-Central Texas | 496 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 |
| West Texas A&M U. | 496 | 62 | 0 | 0 | 27 | 0 | 32 | 0 | 0 | 0 | 0 | 3 |
| Union C., Schenectady | 499 | 61 | 0 | 7 | 15 | 4 | 1 | 19 | 0 | 0 | 0 | 15 |
| CUNY, Medgar Evers C. | 500 | 60 | 0 | 0 | 0 | 7 | 0 | 0 | 53 | 0 | 0 | 0 |
| U. Arkansas, Pine Bluff | 500 | 60 | 0 | 0 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Morgan State U. | 502 | 58 | 0 | 0 | 0 | 36 | 0 | 1 | 3 | 0 | 18 | 0 |
| Connecticut C. | 503 | 53 | 0 | 0 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Middlebury C. | 503 | 53 | 0 | 14 | 0 | 0 | 24 | 0 | 15 | 0 | 0 | 0 |
| Rhode Island School of Design | 503 | 53 i | 3 i | 0 i | 21 i | 0 i | 0 i | 0 i | 9 i | 0 i | 0 i | 20 i |
| William Paterson U. | 503 | 53 | 0 | 5 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 2 |
| Air Force Institute of Technology | 507 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 |
| Naval Postgraduate School | 508 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 0 |
| SUNY, Oswego | 508 | 48 | 0 | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 15 | 25 |
| U.S. Army War C. | 510 | 46 i | 0 i | 0 i | 0 i | 0 i | 0 i | 0 i | 0 i | 0 i | 0 i | 46 i |
| Touro U. | 511 | 45 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Roger Williams U. | 512 | 44 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Elon U. | 513 | 42 | 0 | 0 | 24 | 0 | 17 | 0 | 0 | 0 | 1 | 0 |
| Kettering U. | 514 | 41 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 11 | 0 |
| U. Northern Iowa | 514 | 41 | 0 | 0 | 0 | 0 | 22 | 0 | 17 | 0 | 0 | 2 |

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| Institution | Rank | All R&D expenditures | Computer and information sciences | Geosciences, atmospheric sciences, and ocean sciences | Life sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Sciences nec | Engineering | All non-S&E fields | | | | | | |
|---|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|---|---|---|---|---|---|
| Albany C. of Pharmacy and Health Sciences | 516 | 40 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Central Connecticut State U. | 517 | 39 | 0 | 0 | 9 | 0 | 0 | 0 | 26 | 0 | 0 | 4 | | | | | | |
| Northern Michigan U. | 518 | 38 | 0 | 0 | 3 | 0 | 9 | 16 | 0 | 0 | 0 | 10 | | | | | | |
| Missouri State U. | 519 | 37 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Hawaii Pacific U. | 520 | 35 | 0 | 5 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Texas Southern U. | 520 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 0 | 0 | | | | | | |
| Keck Graduate Institute | 522 | 34 | i | i | 0 | i | 1 | i | 0 | i | 0 | i | 4 | i | 4 | i | | |
| Kentucky State U. | 523 | 33 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Providence C. | 523 | 33 | 0 | 0 | 19 | 0 | 6 | 8 | 0 | 0 | 0 | 0 | | | | | | |
| Benedict C. | 525 | 29 | 0 | 0 | 19 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Rider U. | 525 | 29 | 0 | 1 | 11 | 6 | 4 | 0 | 7 | 0 | 0 | 0 | | | | | | |
| U. Wisconsin-Platteville | 525 | 29 | i | i | 2 | i | 11 | i | 1 | i | 1 | i | 0 | i | 3 | i | 8 | i |
| Oberlin C. | 528 | 28 | 0 | 0 | 0 | 9 | 19 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Xavier U. Louisiana | 529 | 27 | 0 | 0 | 19 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| U. Washington, Tacoma | 530 | 26 | 0 | 2 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | | | | | | |
| Fort Lewis C. | 531 | 23 | 0 | 0 | 22 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| California State U., San Bernardino | 532 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | | | | | | |
| California State U., San Marcos | 533 | 19 | 0 | 0 | 1 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | | | | | | |
| U. Guam | 533 | 19 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Vassar C. | 533 | 19 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | | | | | | |
| Doane U. | 536 | 17 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| SUNY, Geneseo | 537 | 15 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| U. Alaska, Southeast | 537 | 15 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Milwaukee School of Engineering | 539 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | | | | | | |
| U. Nebraska, Kearney | 539 | 14 | 0 | 0 | 0 | 0 | 6 | 1 | 0 | 3 | 0 | 4 | | | | | | |
| Eastern Kentucky U. | 541 | 13 | 0 | 0 | 5 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | | | | | | |
| Tennessee State U. | 541 | 13 | 0 | 0 | 12 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | | | | | |
| U. South Florida, Sarasota-Manatee | 543 | 12 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 9 | | | | | | |
| Clafflin U. | 544 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 10 | | | | | | |
| Morehead State U. | 545 | 10 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | |

TABLE 29

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|--|------|----------------------|-----------------------------------|---|---------------|----------------------------|-------------------|------------|-----------------|--------------|-------------|--------------------|
| U. Minnesota, Morris | 545 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 |
| California State Polytechnic U., Pomona | 547 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 |
| Salus U. | 548 | 8 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canisius C. | 549 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| SUNY, C. Brockport | 549 | 7 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 3 |
| Arkansas State U., Jonesboro | 551 | 6 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CUNY, New York City C. of Technology | 552 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stockton U. | 552 | 5 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| U. Central Oklahoma | 554 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| U. South Carolina, Aiken | 554 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| California Lutheran U. | 556 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dakota State U. | 556 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Memorial Sloan Kettering Cancer Center, Louis V. Gerstner Jr. Graduate S. of Biomedical Sciences | 556 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| U. Wisconsin-Superior | 556 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Florida Polytechnic U. | 560 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Salish Kootenai C. | 560 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| SUNY, C. Plattsburgh | 560 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

i = imputed.

nec = not elsewhere classified; S&E = science and engineering.

^a Johns Hopkins University includes the Applied Physics Laboratory, with zero in nonprofit-financed R&D expenditures in FY 2019.^b The University of Maryland includes expenditures from the University of Maryland, Baltimore and University of Maryland, College Park campuses. In FY 2019, the two campuses began reporting as one research unit to reflect their new strategic partnership. This relationship was codified through the University of Maryland Strategic Partnership Act passed by the Maryland General Assembly in 2016. Prior to FY 2019, both campuses reported to the survey as separate institutions.**Note(s):**

Institutions reporting zero expenditures in ranked total for FY 2019 are not listed in this table. Tied institutions are ranked alphabetically. Ranked institutions are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large, multi-campus universities; some are part of state university systems. For a complete list of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table 6.

Source(s):

National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2019.