

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| All institutions | - | 37,477,582 | 40,768,251 | 40,142,223 | 39,445,931 | 37,961,118 | 37,846,802 | 38,787,982 | 40,248,055 | 41,860,383 | 44,460,361 | 46,106,870 | 49,117,850 | 53,974,897 | 59,603,993 |
| Johns Hopkins U. ^a | 1 | 1,737,261 | 1,884,025 | 1,857,580 | 1,898,927 | 1,950,016 | 1,992,837 | 2,104,653 | 2,178,605 | 2,251,097 | 2,482,130 | 2,682,410 | 2,774,643 | 2,971,816 | 3,324,551 |
| U. Washington, Seattle | 2 | 829,885 | 948,976 | 909,652 | 928,193 | 909,034 | 906,768 | 946,787 | 952,738 | 989,221 | 992,643 | 1,024,195 | 1,046,377 | 1,083,090 | 1,188,836 |
| Georgia Institute of Technology | 3 | 372,122 | 427,867 | 484,212 | 522,134 | 512,015 | 551,084 | 568,430 | 584,891 | 654,877 | 716,207 | 790,518 | 852,319 | 940,488 | 1,083,903 |
| U. California, San Diego | 4 | 580,279 | 636,879 | 656,891 | 632,593 | 599,095 | 603,343 | 604,298 | 641,469 | 635,888 | 698,925 | 727,289 | 801,117 | 970,696 | 1,083,790 |
| U. Michigan, Ann Arbor | 5 | 747,778 | 820,125 | 791,729 | 814,167 | 742,160 | 735,447 | 786,749 | 829,695 | 849,123 | 886,851 | 884,880 | 891,125 | 970,636 | 1,041,430 |
| Columbia U. in the City of New York | 6 | 572,213 | 645,233 | 645,573 | 635,987 | 608,588 | 592,545 | 600,457 | 647,840 | 686,338 | 736,536 | 762,289 | 831,648 | 904,346 | 988,670 |
| Duke U. | 7 | 514,084 | 585,262 | 587,268 | 581,695 | 557,969 | 559,217 | 575,521 | 623,573 | 645,259 | 709,705 | 707,746 | 776,632 | 901,807 | 974,202 |
| Stanford U. | 8 | 593,016 | 656,114 | 636,348 | 652,472 | 637,730 | 675,930 | 694,693 | 710,698 | 711,443 | 738,957 | 751,414 | 811,183 | 860,125 | 943,669 |
| U. Pennsylvania | 9 | 642,180 | 707,051 | 669,970 | 636,589 | 620,396 | 611,620 | 655,791 | 669,911 | 688,313 | 717,359 | 721,308 | 792,089 | 873,318 | 936,469 |
| U. Pittsburgh, Pittsburgh | 10 | 594,675 | 662,471 | 637,857 | 622,232 | 582,136 | 561,210 | 580,650 | 617,884 | 649,166 | 677,559 | 689,273 | 724,993 | 814,647 | 916,735 |
| U. North Carolina, Chapel Hill | 11 | 545,993 | 600,843 | 606,348 | 623,237 | 610,664 | 585,758 | 632,426 | 676,282 | 701,169 | 720,613 | 706,145 | 747,895 | 827,158 | 907,710 |
| U. California, Los Angeles | 12 | 538,521 | 563,560 | 539,054 | 501,368 | 465,170 | 489,404 | 487,869 | 487,846 | 576,076 | 600,714 | 655,030 | 721,043 | 848,138 | 878,571 |
| U. California, San Francisco | 13 | 514,693 | 570,116 | 559,329 | 566,117 | 544,697 | 535,457 | 602,705 | 606,768 | 669,470 | 671,047 | 676,331 | 683,179 | 780,318 | 858,066 |
| U. Maryland ^b | 14 | na | na | na | na | na | na | na | na | na | 696,880 | 689,125 | 713,283 | 750,447 | 825,546 |
| U. Wisconsin-Madison | 15 | 545,189 | 593,633 | 580,661 | 555,875 | 548,388 | 533,286 | 567,132 | 570,796 | 574,048 | 608,925 | 632,558 | 646,764 | 740,854 | 816,814 |
| New York U. | 16 | 260,463 | 302,221 | 316,208 | 300,730 | 330,484 | 344,570 | 350,355 | 391,144 | 416,143 | 436,850 | 448,850 | 547,027 | 668,381 | 787,204 |
| Pennsylvania State U., University Park and Hershey Medical Center | 17 | 464,750 | 468,705 | 531,421 | 558,871 | 520,574 | 513,410 | 538,938 | 538,164 | 565,348 | 600,489 | 638,930 | 622,532 | 681,159 | 781,303 |
| Washington U., Saint Louis | 18 | 468,642 | 469,490 | 441,406 | 411,299 | 419,122 | 432,228 | 442,335 | 474,446 | 506,006 | 543,508 | 559,882 | 606,127 | 681,353 | 758,464 |
| Vanderbilt U. and Vanderbilt U. Medical Center | 19 | 397,656 | 458,173 | 448,948 | 445,044 | 422,448 | 401,738 | 405,589 | 452,885 | 471,625 | 492,808 | 514,299 | 586,880 | 666,282 | 751,019 |
| Yale U. | 20 | 475,794 | 519,844 | 518,184 | 503,227 | 480,384 | 477,143 | 503,221 | 541,608 | 552,242 | 576,776 | 585,170 | 647,656 | 689,270 | 741,198 |
| Cornell U. | 21 | 448,085 | 476,583 | 472,673 | 445,116 | 439,770 | 446,360 | 430,987 | 438,182 | 470,020 | 525,182 | 562,021 | 592,359 | 636,481 | 705,132 |
| U. Minnesota, Twin Cities | 22 | 426,359 | 489,480 | 485,462 | 494,206 | 489,767 | 476,029 | 469,260 | 456,443 | 464,300 | 494,549 | 514,092 | 570,946 | 652,384 | 702,483 |
| Ohio State U. | 23 | 399,942 | 493,130 | 445,635 | 456,590 | 454,484 | 446,048 | 454,834 | 464,311 | 474,994 | 497,651 | 539,359 | 559,797 | 636,902 | 694,647 |
| U. Southern California | 24 | 408,564 | 453,283 | 443,842 | 437,813 | 431,430 | 421,227 | 409,516 | 450,204 | 501,893 | 543,607 | 562,120 | 574,185 | 601,747 | 683,819 |
| Northwestern U. | 25 | 360,980 | 399,719 | 393,074 | 396,138 | 391,946 | 393,186 | 432,413 | 446,609 | 469,525 | 502,300 | 531,654 | 572,975 | 618,771 | 678,062 |
| Emory U. | 26 | 336,986 | 369,982 | 361,165 | 365,121 | 330,378 | 348,071 | 361,288 | 382,177 | 393,647 | 424,461 | 452,636 | 515,940 | 568,149 | 664,370 |
| Icahn School of Medicine at Mount Sinai | 27 | 302,770 | 296,835 | 271,722 | 277,517 | 300,667 | 329,641 | 342,104 | 367,522 | 398,656 | 443,745 | 480,452 | 554,582 | 610,646 | 658,916 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Harvard U. | 28 | 474,899 | 543,097 | 589,860 | 594,392 | 572,918 | 545,202 | 558,611 | 573,157 | 587,584 | 618,405 | 605,603 | 616,589 | 628,683 | 639,953 |
| U. Texas, Austin | 29 | 350,308 | 355,437 | 354,873 | 372,633 | 332,758 | 346,215 | 357,309 | 396,447 | 405,131 | 407,981 | 500,409 | 489,827 | 536,296 | 621,223 |
| Massachusetts Institute of Technology | 30 | 457,575 | 489,080 | 496,132 | 490,809 | 483,891 | 488,421 | 503,858 | 487,434 | 479,654 | 489,345 | 488,741 | 483,526 | 531,056 | 559,766 |
| Texas A&M U., College Station and Health Science Center | 31 | 288,173 | 291,812 | 269,460 | 314,104 | 311,920 | 304,437 | 293,551 | 307,656 | 333,768 | 359,609 | 517,489 | 528,057 | 505,355 | 546,481 |
| U. Colorado Boulder | 32 | 292,030 | 323,078 | 330,089 | 319,869 | 314,890 | 353,341 | 371,995 | 374,209 | 391,817 | 412,691 | 427,869 | 459,816 | 507,892 | 538,715 |
| U. Florida | 33 | 279,649 | 306,349 | 305,067 | 296,199 | 289,327 | 287,230 | 307,140 | 327,288 | 355,517 | 387,906 | 397,202 | 423,154 | 467,739 | 529,391 |
| U. California, Berkeley | 34 | 312,789 | 336,191 | 338,759 | 311,809 | 313,390 | 346,262 | 341,807 | 330,339 | 329,464 | 347,601 | 349,989 | 354,478 | 468,542 | 496,298 |
| U. California, Davis | 35 | 332,325 | 362,976 | 358,577 | 347,038 | 330,367 | 326,039 | 339,209 | 342,407 | 360,018 | 374,707 | 380,965 | 373,719 | 468,468 | 494,847 |
| U. Chicago | 36 | 352,728 | 372,288 | 336,125 | 300,718 | 281,464 | 294,437 | 297,953 | 308,002 | 303,175 | 332,776 | 352,447 | 394,275 | 456,806 | 476,689 |
| U. Colorado Anschutz Medical Campus ^c | 37 | na | na | na | na | na | na | na | na | na | na | na | 363,999 | 429,949 | 474,523 |
| U. Illinois, Urbana-Champaign | 38 | 303,852 | 323,454 | 359,989 | 468,798 | 343,275 | 338,178 | 335,056 | 358,905 | 353,710 | 382,206 | 387,853 | 406,612 | 420,953 | 460,491 |
| U. Alabama, Birmingham | 39 | 325,103 | 344,164 | 306,210 | 290,082 | 280,333 | 328,531 | 348,632 | 358,916 | 373,360 | 398,403 | 400,110 | 423,290 | 421,223 | 451,880 |
| Baylor C. of Medicine | 40 | 284,072 | 295,529 | 268,753 | 285,230 | 264,641 | 256,895 | 267,849 | 292,806 | 300,098 | 309,354 | 315,101 | 365,472 | 420,054 | 440,345 |
| Michigan State U. | 41 | 214,134 | 240,837 | 268,952 | 260,610 | 261,826 | 272,838 | 310,225 | 343,751 | 328,618 | 331,148 | 329,748 | 349,889 | 381,504 | 435,564 |
| U. Arizona | 42 | 308,157 | 327,565 | 331,578 | 338,790 | 290,370 | 269,959 | 262,989 | 273,567 | 291,767 | 327,025 | 328,807 | 353,117 | 374,936 | 434,700 |
| Indiana U., Bloomington | 43 | 71,208 | 74,143 | 79,727 | 85,852 | 84,592 | 210,899 | 221,801 | 245,155 | 249,243 | 308,586 | 319,039 | 326,326 | 360,300 | 432,223 |
| Case Western Reserve U. | 44 | 333,689 | 353,470 | 359,000 | 349,487 | 329,320 | 308,434 | 321,214 | 326,643 | 349,177 | 357,549 | 357,589 | 340,438 | 380,423 | 431,736 |
| U. Utah | 45 | 227,021 | 264,234 | 273,150 | 301,045 | 288,514 | 274,375 | 233,652 | 248,908 | 307,844 | 302,585 | 314,023 | 340,434 | 367,040 | 416,079 |
| Boston U. | 46 | 302,411 | 305,476 | 275,319 | 267,194 | 257,017 | 259,736 | 253,475 | 259,832 | 284,888 | 318,511 | 339,172 | 402,443 | 413,102 | 409,551 |
| Uniformed Services U. of the Health Sciences | 47 | 72,125 | 117,781 | 102,134 | 119,647 | 213,389 | 299,007 | 175,007 | 204,241 | 218,702 | 297,808 | 235,202 | 275,573 | 194,187 | 403,671 |
| Rutgers, State U. New Jersey, New Brunswick | 48 | 224,894 | 239,908 | 279,161 | 295,028 | 360,157 | 323,675 | 321,432 | 340,801 | 350,912 | 297,609 | 311,743 | 339,015 | 351,660 | 400,930 |
| U. Cincinnati | 49 | 262,513 | 287,182 | 267,691 | 258,460 | 245,086 | 251,717 | 231,817 | 242,237 | 250,202 | 252,892 | 285,899 | 309,097 | 350,392 | 391,943 |
| Purdue U., West Lafayette | 50 | 232,564 | 259,948 | 270,655 | 271,504 | 236,860 | 217,330 | 229,093 | 245,110 | 251,517 | 249,831 | 270,605 | 295,278 | 352,890 | 385,738 |
| Oregon Health and Science U. | 51 | 247,054 | 268,777 | 242,337 | 246,491 | 247,740 | 245,509 | 232,688 | 245,199 | 264,492 | 298,227 | 321,572 | 329,016 | 346,724 | 374,043 |
| U. Rochester | 52 | 322,048 | 337,907 | 308,115 | 299,553 | 266,767 | 262,681 | 266,322 | 267,860 | 285,330 | 306,551 | 296,241 | 309,647 | 334,503 | 368,190 |
| U. Virginia, Charlottesville | 53 | 228,917 | 252,928 | 240,254 | 225,567 | 205,865 | 203,401 | 210,980 | 228,910 | 250,168 | 276,335 | 300,348 | 297,273 | 332,993 | 354,748 |
| Colorado State U., Fort Collins | 54 | 211,297 | 236,566 | 252,286 | 219,856 | 212,054 | 219,321 | 232,108 | 239,165 | 268,747 | 284,482 | 287,100 | 303,901 | 316,727 | 354,401 |
| Arizona State U. | 55 | 172,202 | 185,766 | 194,376 | 201,363 | 196,270 | 196,528 | 212,396 | 227,621 | 254,384 | 267,087 | 278,150 | 274,541 | 309,094 | 340,880 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| U. Texas Southwestern Medical Center | 56 | 232,027 | 231,639 | 207,513 | 198,114 | 185,137 | 183,787 | 185,263 | 200,085 | 197,910 | 203,544 | 242,679 | 257,611 | 298,154 | 336,126 |
| U. California, Irvine | 57 | 194,559 | 209,117 | 206,985 | 198,730 | 182,585 | 174,875 | 177,779 | 187,535 | 201,173 | 217,094 | 241,734 | 255,010 | 291,393 | 335,393 |
| U. Iowa | 58 | 282,465 | 283,627 | 269,734 | 255,329 | 235,527 | 225,587 | 237,743 | 238,842 | 246,117 | 252,563 | 259,639 | 283,763 | 314,346 | 331,824 |
| Utah State U. | 59 | 90,581 | 113,871 | 108,501 | 106,985 | 114,959 | 120,369 | 125,661 | 138,518 | 159,447 | 220,504 | 242,156 | 264,575 | 280,866 | 322,336 |
| California Institute of Technology | 60 | 328,522 | 342,945 | 326,701 | 282,823 | 279,515 | 272,673 | 265,206 | 277,358 | 280,451 | 287,198 | 316,519 | 293,197 | 326,401 | 310,519 |
| U. Miami | 61 | 197,824 | 225,352 | 224,172 | 205,870 | 203,751 | 193,606 | 195,328 | 194,385 | 192,598 | 212,023 | 224,184 | 231,001 | 265,212 | 291,783 |
| Virginia Polytechnic Institute and State U. | 62 | 162,566 | 189,198 | 184,175 | 201,646 | 204,308 | 196,096 | 195,859 | 186,054 | 199,897 | 209,607 | 210,792 | 216,733 | 240,305 | 282,152 |
| U. Nebraska, Lincoln and Medical Center ^d | 63 | na | na | na | na | na | na | na | na | na | na | na | na | na | 280,120 |
| Carnegie Mellon U. | 64 | 179,386 | 200,967 | 209,522 | 215,560 | 198,247 | 187,259 | 190,620 | 189,974 | 181,958 | 197,978 | 217,625 | 234,993 | 259,160 | 279,954 |
| North Carolina State U. | 65 | 139,096 | 155,293 | 174,758 | 177,118 | 181,449 | 199,862 | 202,336 | 218,274 | 219,258 | 228,945 | 232,110 | 239,115 | 250,582 | 279,179 |
| Scripps Research Institute | 66 | 313,746 | 317,201 | 309,471 | 308,628 | 292,268 | 274,097 | 242,489 | 250,090 | 267,088 | 267,122 | 243,502 | 272,181 | 242,135 | 278,099 |
| U. Illinois, Chicago | 67 | 232,380 | 248,936 | 246,128 | 222,566 | 203,733 | 196,010 | 187,990 | 198,049 | 196,840 | 208,603 | 223,030 | 237,949 | 251,328 | 274,424 |
| U. Kentucky | 68 | 171,528 | 179,161 | 159,678 | 150,468 | 142,312 | 146,548 | 154,559 | 171,323 | 171,672 | 192,945 | 200,664 | 220,703 | 253,852 | 265,543 |
| U. Texas M. D. Anderson Cancer Center | 69 | 206,664 | 236,400 | 196,753 | 182,971 | 158,986 | 161,171 | 155,044 | 166,552 | 173,206 | 176,156 | 186,488 | 217,073 | 225,659 | 259,285 |
| SUNY, U. Buffalo | 70 | 167,099 | 182,585 | 193,613 | 204,995 | 189,209 | 177,441 | 182,883 | 186,836 | 186,494 | 182,983 | 200,155 | 210,257 | 218,231 | 257,857 |
| U. South Florida ^e | 71 | 243,017 | 243,030 | 236,148 | 225,414 | 222,790 | 218,338 | 228,365 | 250,384 | 179,024 | 181,882 | 158,958 | 185,364 | 206,552 | 242,224 |
| Brown U. | 72 | 127,087 | 128,628 | 131,994 | 126,559 | 129,248 | 132,142 | 136,931 | 145,556 | 164,452 | 178,460 | 185,676 | 198,574 | 215,067 | 239,744 |
| U. Connecticut | 73 | 132,169 | 144,280 | 153,264 | 148,651 | 144,104 | 137,980 | 146,390 | 145,637 | 144,048 | 159,220 | 164,848 | 183,362 | 230,752 | 238,701 |
| Woods Hole Oceanographic Institution | 74 | 153,066 | 165,819 | 161,115 | 158,672 | 177,616 | 172,995 | 166,010 | 148,491 | 163,003 | 184,995 | 191,186 | 222,351 | 211,550 | 238,554 |
| Albert Einstein C. of Medicine | 75 | na | na | na | na | na | na | 188,521 | 188,259 | 196,457 | 202,513 | 204,635 | 214,619 | 220,780 | 230,151 |
| U. Massachusetts, Medical School | 76 | 178,293 | 208,244 | 202,149 | 189,159 | 183,582 | 183,588 | 181,446 | 200,232 | 194,953 | 197,388 | 192,938 | 248,873 | 258,147 | 223,490 |
| Oregon State U. | 77 | 135,886 | 146,882 | 156,446 | 149,396 | 145,247 | 153,017 | 158,142 | 163,479 | 171,805 | 168,571 | 167,494 | 179,180 | 192,621 | 222,169 |
| U. Georgia | 78 | 119,486 | 137,255 | 137,710 | 131,824 | 126,164 | 132,118 | 143,886 | 158,229 | 148,543 | 159,948 | 171,351 | 188,451 | 220,343 | 221,804 |
| U. Oklahoma, Norman and Health Science Center | 79 | 105,366 | 118,970 | 133,841 | 132,456 | 118,925 | 127,709 | 134,772 | 133,177 | 149,317 | 164,855 | 183,728 | 193,639 | 210,994 | 219,964 |
| Princeton U. | 80 | 150,261 | 163,438 | 161,591 | 156,541 | 164,277 | 158,313 | 162,003 | 176,029 | 180,305 | 193,453 | 203,259 | 205,000 | 218,390 | 219,600 |
| U. Missouri, Columbia | 81 | 116,965 | 116,403 | 114,345 | 111,510 | 104,910 | 105,015 | 126,071 | 134,525 | 138,029 | 139,781 | 156,190 | 163,576 | 182,432 | 217,091 |
| U. Dayton | 82 | 73,540 | 70,996 | 65,169 | 67,698 | 66,318 | 77,973 | 100,955 | 118,452 | 132,358 | 153,328 | 154,101 | 181,445 | 203,206 | 216,729 |
| U. Kansas | 83 | 147,598 | 162,721 | 171,043 | 174,021 | 165,442 | 155,835 | 140,002 | 148,178 | 155,147 | 169,694 | 185,007 | 187,249 | 200,117 | 211,111 |
| Washington State U. | 84 | 113,452 | 123,502 | 129,255 | 134,329 | 126,955 | 134,889 | 136,646 | 152,843 | 151,133 | 158,982 | 154,623 | 179,536 | 187,580 | 207,086 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| U. New Mexico | 85 | 148,216 | 162,854 | 160,895 | 158,057 | 153,889 | 154,794 | 159,280 | 165,128 | 169,952 | 159,940 | 161,627 | 242,212 | 232,774 | 205,351 |
| Wake Forest U. | 86 | 159,084 | 173,130 | 172,779 | 156,506 | 153,069 | 148,451 | 141,052 | 148,001 | 154,363 | 165,702 | 166,596 | 188,887 | 180,754 | 204,713 |
| U. Delaware | 87 | 105,454 | 118,673 | 117,072 | 119,756 | 116,340 | 114,245 | 113,217 | 117,813 | 118,573 | 133,020 | 144,142 | 157,725 | 194,775 | 202,469 |
| U. Texas Health Science Center, Houston | 88 | 150,324 | 156,790 | 146,424 | 144,235 | 136,145 | 125,890 | 121,098 | 124,461 | 128,232 | 132,647 | 133,624 | 165,139 | 184,205 | 197,759 |
| Iowa State U. | 89 | 109,461 | 117,522 | 118,242 | 121,993 | 116,273 | 114,518 | 125,397 | 128,221 | 147,679 | 147,866 | 165,912 | 169,177 | 187,156 | 195,394 |
| Florida State U. | 90 | 134,794 | 140,850 | 140,419 | 148,413 | 151,701 | 139,597 | 126,289 | 134,278 | 147,184 | 149,784 | 162,296 | 150,108 | 163,744 | 195,323 |
| SUNY, Stony Brook U. | 91 | 120,146 | 125,102 | 123,383 | 118,513 | 111,683 | 115,150 | 118,549 | 125,688 | 136,241 | 144,618 | 146,478 | 162,972 | 184,154 | 192,448 |
| U. Hawaii, Manoa | 92 | 196,275 | 201,700 | 193,722 | 225,359 | 206,810 | 200,202 | 190,336 | 182,337 | 167,030 | 167,816 | 163,694 | 157,772 | 169,762 | 192,205 |
| Northeastern U. | 93 | 59,074 | 67,938 | 77,667 | 85,170 | 79,666 | 80,576 | 81,124 | 93,572 | 114,711 | 126,762 | 136,273 | 143,421 | 150,093 | 186,013 |
| Virginia Commonwealth U. | 94 | 144,138 | 153,228 | 142,053 | 135,804 | 138,559 | 142,447 | 143,701 | 147,585 | 140,363 | 142,293 | 152,751 | 160,995 | 169,450 | 184,852 |
| U. California, Santa Barbara | 95 | 129,457 | 136,244 | 136,352 | 132,960 | 121,045 | 116,232 | 116,775 | 117,457 | 113,388 | 118,517 | 123,198 | 122,168 | 161,241 | 179,896 |
| Medical U. South Carolina | 96 | 131,650 | 143,464 | 136,907 | 127,472 | 118,649 | 117,255 | 124,212 | 134,072 | 142,639 | 153,226 | 153,802 | 162,394 | 163,395 | 168,957 |
| Dartmouth C. and Dartmouth Hitchcock Medical Center | 97 | 118,271 | 131,583 | 147,421 | 155,209 | 145,498 | 146,233 | 139,090 | 137,448 | 140,399 | 137,965 | 142,219 | 152,335 | 155,445 | 168,740 |
| George Washington U. | 98 | 122,357 | 116,611 | 112,110 | 120,857 | 141,552 | 139,016 | 142,889 | 148,369 | 156,768 | 155,697 | 157,533 | 161,349 | 161,867 | 162,892 |
| U. Alaska, Fairbanks | 99 | 99,657 | 105,469 | 99,674 | 94,953 | 85,904 | 81,586 | 89,940 | 97,314 | 94,998 | 92,964 | 101,414 | 128,229 | 154,742 | 156,702 |
| Florida International U. | 100 | 62,580 | 65,446 | 69,402 | 72,357 | 78,961 | 76,528 | 76,127 | 71,579 | 85,541 | 96,912 | 103,366 | 105,309 | 129,683 | 156,381 |
| Medical C. Wisconsin | 101 | 121,750 | 133,929 | 125,325 | 116,765 | 111,241 | 109,542 | 108,529 | 108,276 | 111,273 | 119,036 | 128,783 | 136,385 | 152,301 | 155,403 |
| Temple U. | 102 | 79,939 | 89,719 | 90,243 | 131,872 | 126,803 | 129,499 | 140,775 | 153,404 | 155,312 | 161,673 | 154,600 | 153,316 | 143,580 | 154,516 |
| Tufts U. | 103 | 116,699 | 122,208 | 121,512 | 113,450 | 116,204 | 121,428 | 126,109 | 139,532 | 139,334 | 146,630 | 148,320 | 166,809 | 150,081 | 154,458 |
| U. Tennessee, Knoxville ^f | 104 | 96,972 | 111,942 | 112,471 | 117,836 | 112,201 | 105,417 | 109,722 | 117,097 | 117,776 | 123,434 | 138,402 | 135,202 | 149,260 | 153,637 |
| Tulane U. | 105 | 106,872 | 111,007 | 101,360 | 97,994 | 94,486 | 84,166 | 89,087 | 93,970 | 102,201 | 104,219 | 107,290 | 113,819 | 127,544 | 152,468 |
| U. New Hampshire | 106 | 84,553 | 106,806 | 119,451 | 102,053 | 101,125 | 92,040 | 93,599 | 92,338 | 95,807 | 90,241 | 100,373 | 99,323 | 129,721 | 152,377 |
| Mississippi State U. | 107 | 106,324 | 98,998 | 96,689 | 74,075 | 71,715 | 80,097 | 87,277 | 87,928 | 89,012 | 104,738 | 120,616 | 116,713 | 138,207 | 150,804 |
| U. Texas Medical Branch | 108 | 128,840 | 128,098 | 109,867 | 108,287 | 101,761 | 98,050 | 100,464 | 104,458 | 104,356 | 107,806 | 114,103 | 117,915 | 123,467 | 150,272 |
| U. Notre Dame | 109 | 62,152 | 79,716 | 83,295 | 79,564 | 79,690 | 83,710 | 87,129 | 91,787 | 96,182 | 106,411 | 104,030 | 109,891 | 124,411 | 147,985 |
| U. Texas Health Science Center, San Antonio | 110 | 121,723 | 121,200 | 106,177 | 99,198 | 89,303 | 85,940 | 89,742 | 85,455 | 86,956 | 96,502 | 102,959 | 106,824 | 119,071 | 143,730 |
| Montana State U., Bozeman | 111 | 93,100 | 87,528 | 86,511 | 73,619 | 72,777 | 69,136 | 68,471 | 74,788 | 75,524 | 88,955 | 93,759 | 113,257 | 118,974 | 142,965 |
| Wichita State U. | 112 | 13,751 | 20,569 | 19,078 | 13,434 | 10,424 | 7,728 | 10,442 | 21,685 | 18,706 | 29,634 | 53,540 | 77,427 | 93,367 | 142,371 |
| U. Massachusetts, Amherst | 113 | 97,937 | 107,683 | 115,280 | 111,448 | 110,189 | 103,417 | 106,269 | 108,871 | 110,654 | 117,359 | 116,170 | 116,349 | 129,044 | 138,849 |
| Clemson U. | 114 | 62,934 | 52,919 | 51,764 | 52,002 | 49,887 | 53,136 | 60,165 | 70,256 | 73,735 | 81,080 | 82,203 | 89,883 | 119,512 | 129,955 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| U. Vermont | 115 | 98,635 | 101,471 | 87,843 | 85,118 | 79,743 | 83,733 | 83,124 | 78,394 | 86,940 | 90,405 | 97,981 | 103,554 | 117,163 | 128,645 |
| Wayne State U. | 116 | 132,166 | 134,735 | 126,915 | 119,520 | 113,618 | 109,586 | 111,532 | 109,421 | 111,018 | 118,043 | 113,137 | 117,976 | 126,814 | 128,521 |
| Georgetown U. | 117 | 120,589 | 123,540 | 115,197 | 114,760 | 100,475 | 88,015 | 83,827 | 94,435 | 89,977 | 94,050 | 98,682 | 130,419 | 127,213 | 127,370 |
| Louisiana State U., Baton Rouge | 118 | 97,407 | 97,517 | 92,551 | 94,563 | 94,701 | 83,644 | 86,754 | 81,644 | 84,309 | 88,721 | 87,895 | 103,178 | 111,886 | 127,243 |
| U. Alabama, Huntsville | 119 | 73,075 | 72,665 | 78,528 | 85,738 | 75,343 | 67,451 | 69,824 | 68,609 | 74,650 | 85,211 | 104,288 | 116,971 | 132,060 | 126,040 |
| Auburn U., Auburn | 120 | 53,971 | 59,559 | 55,557 | 57,253 | 50,088 | 48,352 | 54,751 | 55,700 | 58,488 | 64,333 | 73,468 | 91,157 | 104,883 | 125,783 |
| George Mason U. | 121 | 63,011 | 65,301 | 63,786 | 65,096 | 61,877 | 63,600 | 58,864 | 57,345 | 69,481 | 96,307 | 104,070 | 103,712 | 119,406 | 125,437 |
| U. South Carolina, Columbia | 122 | 125,501 | 103,296 | 98,836 | 91,612 | 91,890 | 90,453 | 93,885 | 96,048 | 88,602 | 102,992 | 90,243 | 88,529 | 106,752 | 124,330 |
| U. Central Florida | 123 | 69,331 | 69,098 | 78,411 | 76,533 | 70,716 | 88,814 | 87,417 | 89,904 | 97,539 | 99,310 | 101,332 | 109,310 | 110,131 | 124,256 |
| U. California, Riverside | 124 | 63,127 | 62,312 | 63,821 | 59,065 | 57,397 | 63,515 | 70,489 | 76,795 | 77,314 | 81,151 | 92,503 | 97,182 | 114,257 | 120,524 |
| Rice U. | 125 | 69,395 | 78,730 | 76,964 | 80,075 | 73,965 | 74,266 | 83,273 | 84,469 | 78,175 | 83,584 | 88,768 | 95,648 | 105,345 | 119,853 |
| West Virginia U. | 126 | 79,415 | 88,419 | 82,149 | 74,704 | 69,165 | 68,731 | 72,751 | 72,767 | 76,527 | 82,353 | 79,657 | 89,802 | 97,327 | 114,708 |
| U. California, Santa Cruz | 127 | 84,518 | 97,817 | 94,222 | 91,002 | 90,858 | 92,870 | 95,294 | 66,563 | 63,197 | 74,669 | 76,468 | 86,263 | 107,082 | 112,847 |
| Thomas Jefferson U. | 128 | 77,817 | 80,027 | 68,976 | 56,247 | 54,676 | 58,536 | 58,866 | 62,029 | 64,869 | 74,816 | 74,676 | 109,448 | 114,452 | 110,366 |
| Drexel U. | 129 | 77,438 | 83,702 | 87,860 | 76,343 | 77,684 | 69,462 | 67,020 | 70,921 | 82,777 | 85,278 | 82,576 | 93,517 | 99,399 | 108,724 |
| U. Rhode Island | 130 | 62,981 | 78,303 | 83,754 | 74,870 | 65,715 | 64,711 | 61,641 | 62,785 | 64,026 | 73,080 | 67,242 | 78,923 | 93,190 | 102,056 |
| Rockefeller U. | 131 | 88,705 | 97,710 | 84,616 | 80,384 | 81,820 | 81,949 | 80,667 | 86,763 | 87,231 | 84,566 | 86,280 | 96,318 | 94,693 | 101,422 |
| U. Louisville | 132 | 93,260 | 96,010 | 89,976 | 78,144 | 65,849 | 68,345 | 72,644 | 72,119 | 80,511 | 87,563 | 88,251 | 97,179 | 117,363 | 100,890 |
| New Mexico Institute of Mining and Technology | 133 | 42,243 | 37,316 | 29,894 | 23,581 | 33,245 | 20,018 | 17,017 | 18,358 | 19,560 | 22,864 | 22,922 | 24,900 | 72,594 | 100,873 |
| U. Oregon | 134 | 76,378 | 84,997 | 86,316 | 75,423 | 74,603 | 69,723 | 66,850 | 69,598 | 71,568 | 80,083 | 81,278 | 82,242 | 97,238 | 100,265 |
| U. Houston | 135 | 52,920 | 59,580 | 55,812 | 61,038 | 58,954 | 58,458 | 62,703 | 60,033 | 63,801 | 68,523 | 71,779 | 77,489 | 84,295 | 99,450 |
| U. Arkansas for Medical Sciences | 136 | 72,217 | 75,924 | 69,883 | 64,856 | 55,556 | 50,603 | 48,999 | 51,298 | 57,523 | 63,498 | 70,508 | 83,387 | 95,080 | 94,483 |
| Rush U. | 137 | 51,304 | 57,978 | 57,512 | 57,063 | 53,501 | 52,193 | 50,332 | 51,532 | 64,178 | 68,941 | 65,343 | 73,279 | 79,647 | 93,180 |
| U. Maine | 138 | 50,163 | 59,800 | 39,661 | 34,252 | 50,589 | 35,369 | 34,277 | 37,321 | 45,348 | 51,049 | 54,376 | 65,249 | 84,072 | 92,870 |
| Georgia State U. | 139 | 27,073 | 28,210 | 34,075 | 37,521 | 42,259 | 50,122 | 52,351 | 71,248 | 71,650 | 70,185 | 78,199 | 79,834 | 81,641 | 91,331 |
| U. Maryland, Baltimore County | 140 | 59,448 | 61,172 | 45,014 | 44,662 | 47,538 | 47,954 | 50,984 | 52,014 | 53,522 | 56,993 | 59,391 | 59,882 | 65,368 | 86,573 |
| U. Alabama, Tuscaloosa | 141 | 26,364 | 32,999 | 33,023 | 28,375 | 26,161 | 28,988 | 28,425 | 27,692 | 30,447 | 37,916 | 43,017 | 53,880 | 67,986 | 86,244 |
| U. Mississippi | 142 | 71,475 | 74,918 | 74,955 | 64,590 | 64,218 | 59,978 | 64,510 | 62,483 | 63,736 | 73,865 | 82,361 | 76,886 | 84,270 | 85,186 |
| U. Louisiana, Lafayette | 143 | 12,881 | 14,659 | 13,848 | 11,090 | 10,666 | 15,799 | 16,893 | 23,895 | 28,874 | 34,400 | 40,044 | 65,436 | 77,110 | 84,898 |
| U. Nevada, Reno | 144 | 58,115 | 57,220 | 55,437 | 56,900 | 53,363 | 51,724 | 53,371 | 54,782 | 62,635 | 62,903 | 64,793 | 77,246 | 83,631 | 83,603 |
| Kansas State U. | 145 | 68,560 | 76,953 | 77,689 | 70,167 | 67,438 | 69,918 | 71,224 | 75,468 | 80,436 | 81,269 | 79,100 | 77,779 | 81,820 | 82,610 |
| U. Arkansas, Fayetteville | 146 | 33,674 | 37,587 | 34,189 | 30,625 | 26,111 | 34,288 | 40,642 | 46,490 | 52,937 | 50,875 | 47,454 | 48,534 | 64,252 | 82,164 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------------------------------------|------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| U. North Texas, Health Science Center | 147 | 25,847 | 26,132 | 26,627 | 24,187 | 21,943 | 22,422 | 27,163 | 26,368 | 27,579 | 27,260 | 25,917 | 32,464 | 55,062 | 77,660 |
| U. Montana, Missoula | 148 | 40,760 | 38,565 | 35,984 | 34,021 | 30,319 | 33,718 | 38,753 | 44,534 | 54,708 | 55,566 | 62,067 | 70,686 | 73,507 | 75,490 |
| New Mexico State U. | 149 | 98,399 | 90,598 | 90,722 | 86,806 | 80,599 | 78,903 | 62,292 | 59,885 | 54,009 | 58,022 | 60,971 | 64,699 | 71,718 | 71,764 |
| U. Texas, El Paso | 150 | 34,617 | 35,399 | 40,024 | 38,253 | 35,304 | 41,897 | 42,423 | 44,811 | 44,352 | 41,261 | 39,126 | 43,930 | 60,387 | 70,873 |
| U. Tennessee, Health Science Center | 151 | 52,652 | 51,842 | 48,473 | 42,269 | 41,830 | 39,356 | 38,374 | 39,138 | 39,421 | 42,396 | 48,264 | 56,021 | 60,221 | 70,676 |
| New Jersey Institute of Technology | 152 | 50,051 | 54,250 | 59,398 | 57,466 | 54,655 | 55,094 | 67,490 | 79,397 | 91,999 | 89,846 | 85,746 | 77,057 | 71,326 | 70,080 |
| Colorado School of Mines | 153 | 29,892 | 33,789 | 33,481 | 32,399 | 34,781 | 34,266 | 35,677 | 37,505 | 40,161 | 49,603 | 55,560 | 61,421 | 66,200 | 68,795 |
| U. Wyoming | 154 | 45,323 | 48,932 | 57,441 | 53,971 | 42,280 | 48,970 | 63,951 | 56,410 | 42,595 | 52,082 | 57,353 | 54,444 | 68,772 | 68,467 |
| San Diego State U. | 155 | 56,504 | 64,056 | 56,797 | 51,274 | 50,542 | 46,870 | 44,495 | 39,417 | 39,453 | 39,515 | 41,117 | 43,473 | 55,671 | 68,045 |
| U. Texas, Dallas | 156 | 30,754 | 33,216 | 35,297 | 33,920 | 32,699 | 31,068 | 35,451 | 36,097 | 40,046 | 48,466 | 55,983 | 58,249 | 60,706 | 66,127 |
| U. North Dakota | 157 | 52,504 | 54,058 | 54,476 | 46,491 | 40,340 | 37,697 | 42,425 | 43,262 | 51,050 | 49,700 | 44,153 | 58,463 | 62,737 | 65,890 |
| Augusta U. | 158 | na | na | na | 47,913 | 47,771 | 50,585 | 50,294 | 48,921 | 48,800 | 47,031 | 55,797 | 61,943 | 64,609 | 64,410 |
| Oklahoma State U., Stillwater | 159 | 56,998 | 81,855 | 85,876 | 44,200 | 36,687 | 38,585 | 42,976 | 44,977 | 43,421 | 39,880 | 39,873 | 47,428 | 53,885 | 64,098 |
| SUNY, U. Albany | 160 | 124,324 | 125,189 | 112,989 | 114,158 | 105,333 | 79,681 | 77,734 | 85,469 | 87,451 | 92,709 | 67,039 | 56,425 | 51,492 | 62,935 |
| Naval Postgraduate School | 161 | 93,605 | 94,278 | 127,049 | 91,134 | 96,573 | 78,780 | 56,045 | 47,082 | 44,140 | 54,358 | 51,870 | 54,855 | 44,852 | 62,715 |
| U. Idaho | 162 | 46,303 | 54,243 | 55,115 | 53,986 | 50,638 | 50,559 | 51,295 | 50,935 | 51,172 | 51,529 | 51,450 | 51,021 | 56,160 | 61,531 |
| U. Massachusetts, Lowell | 163 | 25,550 | 27,960 | 26,786 | 27,360 | 28,654 | 31,059 | 27,694 | 29,471 | 30,086 | 35,309 | 41,304 | 48,179 | 62,195 | 61,413 |
| Texas Tech U. | 164 | 35,970 | 35,191 | 29,969 | 28,827 | 33,137 | 32,987 | 32,405 | 31,347 | 31,357 | 35,136 | 31,475 | 33,938 | 45,136 | 58,922 |
| U. Texas, San Antonio | 165 | 28,717 | 31,972 | 32,672 | 29,078 | 23,066 | 23,511 | 25,813 | 29,947 | 29,824 | 34,588 | 34,334 | 42,952 | 54,384 | 58,171 |
| Cleveland State U. | 166 | 25,024 | 42,575 | 46,645 | 50,243 | 44,233 | 41,851 | 49,925 | 52,541 | 55,468 | 51,475 | 53,756 | 47,402 | 53,395 | 56,550 |
| Rensselaer Polytechnic Institute | 167 | 54,847 | 59,284 | 62,341 | 60,870 | 59,070 | 59,528 | 52,163 | 51,130 | 50,120 | 50,448 | 52,150 | 52,465 | 50,605 | 56,445 |
| U. Texas, Arlington | 168 | 31,628 | 30,659 | 33,150 | 30,815 | 24,857 | 27,712 | 26,664 | 33,111 | 36,027 | 41,764 | 44,950 | 46,946 | 56,025 | 56,337 |
| Florida A&M U. | 169 | 45,856 | 44,905 | 42,937 | 39,675 | 36,570 | 36,975 | 37,363 | 30,383 | 32,422 | 35,362 | 33,136 | 36,761 | 41,943 | 54,363 |
| Cold Spring Harbor Laboratory | 170 | ne | 51,529 | 43,874 | 41,002 | 41,845 | 49,063 | 50,478 | 54,260 | 67,139 | 73,854 | 62,215 | 56,907 | 59,163 | 54,123 |
| North Dakota State U. | 171 | 51,883 | 53,451 | 46,490 | 38,453 | 36,277 | 35,482 | 35,590 | 34,923 | 35,122 | 35,322 | 31,614 | 42,824 | 45,343 | 53,339 |
| Michigan Technological U. | 172 | 27,676 | 32,724 | 33,189 | 32,086 | 30,588 | 28,692 | 29,774 | 28,483 | 32,606 | 34,709 | 36,172 | 41,505 | 48,766 | 52,102 |
| Northern Arizona U. | 173 | 15,070 | 17,765 | 16,015 | 15,638 | 18,209 | 20,285 | 23,442 | 26,035 | 29,648 | 35,980 | 39,387 | 41,744 | 43,453 | 50,491 |
| U. Southern Mississippi | 174 | 37,054 | 40,984 | 37,524 | 28,694 | 26,163 | 25,005 | 25,482 | 27,661 | 31,815 | 46,924 | 42,870 | 44,401 | 48,368 | 48,374 |
| Howard U. | 175 | 33,017 | 36,060 | 37,690 | 33,966 | 32,663 | 38,820 | 33,441 | 34,762 | 33,602 | 29,978 | 29,256 | 35,443 | 37,331 | 47,662 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| U. Puerto Rico, Medical Sciences Campus | 176 | 29,813 | 54,381 | 35,173 | 31,037 | 30,197 | 31,889 | 33,348 | 29,869 | 30,597 | 34,570 | 27,033 | 33,262 | 35,050 | 46,789 |
| Brandeis U. | 177 | 43,669 | 48,235 | 44,532 | 45,337 | 47,532 | 47,841 | 48,273 | 46,108 | 38,632 | 41,475 | 41,440 | 43,471 | 44,205 | 46,654 |
| Syracuse U. | 178 | 33,796 | 33,850 | 33,156 | 27,729 | 29,404 | 32,378 | 36,106 | 39,781 | 39,538 | 37,803 | 31,861 | 34,200 | 33,976 | 46,595 |
| Air Force Institute of Technology | 179 | 15,474 | 20,196 | 19,579 | 18,739 | 16,782 | 16,727 | 19,796 | 25,588 | 23,393 | 21,856 | 22,854 | 27,025 | 32,479 | 45,087 |
| Texas State U. | 180 | 8,904 | 10,319 | 11,950 | 14,908 | 14,243 | 18,289 | 21,049 | 25,132 | 30,314 | 29,614 | 26,950 | 31,116 | 38,936 | 44,297 |
| Saint Louis U. | 181 | 33,728 | 38,323 | 35,873 | 31,645 | 30,071 | 27,580 | 26,813 | 27,436 | 28,121 | 34,275 | 34,419 | 41,411 | 42,170 | 44,157 |
| U.S. Air Force Academy | 182 | 49,711 | 62,118 | 43,431 | 45,169 | 34,669 | 30,637 | 46,958 | 40,062 | 27,973 | 35,294 | 33,554 | 31,818 | 35,826 | 44,056 |
| Stevens Institute of Technology | 183 | 29,370 | 32,570 | 27,420 | 24,812 | 23,656 | 25,980 | 28,999 | 26,855 | 26,281 | 28,342 | 33,461 | 33,998 | 41,836 | 44,036 |
| Morehouse School of Medicine | 184 | 25,855 | 28,128 | 31,786 | 34,511 | 33,020 | 30,012 | 28,678 | 28,792 | 24,326 | 22,461 | 22,500 | 25,181 | 31,339 | 41,069 |
| Touro U., New York ^g | 185 | ne | 0 | 53 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 40,008 |
| Lehigh U. | 186 | 23,721 | 22,390 | 23,312 | 24,831 | 24,271 | 22,910 | 21,429 | 25,228 | 25,834 | 26,554 | 26,816 | 29,051 | 36,535 | 39,909 |
| Indiana U.-Purdue U., Indianapolis | 187 | 148,672 | 156,607 | 166,825 | 152,578 | 143,386 | 18,479 | 19,954 | 20,035 | 22,834 | 27,349 | 31,862 | 30,290 | 29,353 | 39,869 |
| Boston C. | 188 | 33,290 | 31,953 | 30,855 | 27,975 | 25,115 | 23,352 | 27,033 | 30,448 | 30,541 | 32,475 | 31,038 | 34,257 | 36,560 | 39,356 |
| U. Nevada, Las Vegas | 189 | 32,441 | 30,457 | 25,068 | 24,502 | 26,950 | 27,493 | 25,613 | 29,172 | 33,727 | 28,381 | 29,252 | 27,178 | 28,867 | 38,815 |
| CUNY, City C. | 190 | 32,900 | 40,595 | 39,572 | 40,094 | 40,095 | 38,434 | 37,525 | 35,429 | 36,866 | 33,065 | 30,106 | 34,218 | 38,596 | 38,669 |
| U. Toledo | 191 | 38,389 | 44,881 | 41,072 | 40,497 | 34,684 | 27,085 | 27,802 | 24,167 | 25,323 | 28,273 | 27,770 | 32,601 | 36,694 | 37,872 |
| Worcester Polytechnic Institute | 192 | 13,582 | 15,714 | 12,968 | 17,003 | 19,643 | 26,327 | 25,976 | 19,566 | 18,635 | 22,964 | 26,074 | 30,166 | 34,004 | 37,736 |
| Rochester Institute of Technology | 193 | 23,254 | 20,396 | 19,394 | 18,379 | 19,465 | 20,147 | 26,149 | 27,311 | 25,990 | 26,359 | 28,092 | 31,187 | 33,373 | 37,334 |
| North Carolina A&T State U. | 194 | 23,883 | 22,652 | 22,477 | 21,663 | 23,373 | 22,413 | 21,112 | 24,496 | 24,874 | 23,863 | 22,338 | 25,755 | 29,094 | 37,152 |
| Louisiana State U., Health Sciences Center, New Orleans | 195 | 46,142 | 45,581 | 40,637 | 36,886 | 34,637 | 36,027 | 31,526 | 28,018 | 26,988 | 31,290 | 31,381 | 34,272 | 33,087 | 35,933 |
| Boise State U. | 196 | 14,614 | 18,811 | 20,070 | 16,117 | 15,746 | 18,296 | 16,953 | 19,806 | 24,918 | 24,493 | 26,914 | 31,357 | 32,015 | 35,801 |
| Catholic U. of America | 197 | 15,878 | 19,890 | 17,608 | 17,310 | 17,205 | 19,900 | 19,928 | 19,857 | 20,749 | 21,642 | 22,503 | 23,128 | 26,285 | 35,502 |
| Florida Atlantic U. | 198 | 17,268 | 15,579 | 17,226 | 13,555 | 13,234 | 11,574 | 15,356 | 17,172 | 18,771 | 21,667 | 23,695 | 28,510 | 28,641 | 35,108 |
| SUNY, Polytechnic Institute | 199 | na | na | na | na | 21,208 | 14,641 | 21,380 | 41,252 | 41,795 | 38,245 | 27,998 | 25,427 | 32,396 | 34,393 |
| U. North Carolina, Charlotte | 200 | 17,284 | 15,930 | 19,230 | 20,994 | 19,069 | 19,132 | 20,269 | 20,462 | 22,386 | 26,199 | 27,618 | 27,145 | 26,871 | 33,784 |
| U. Denver | 201 | 13,364 | 14,042 | 11,779 | 15,089 | 14,202 | 12,048 | 11,029 | 11,648 | 15,713 | 22,012 | 24,753 | 23,415 | 26,040 | 33,148 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| William & Mary | 202 | 27,685 | 30,361 | 32,526 | 31,628 | 33,320 | 33,129 | 34,133 | 32,760 | 33,503 | 31,983 | 30,436 | 29,928 | 33,730 | 32,631 |
| Missouri U. of Science and Technology | 203 | 28,239 | 27,961 | 23,731 | 25,571 | 21,811 | 17,632 | 18,833 | 19,567 | 21,835 | 22,426 | 22,860 | 26,164 | 28,792 | 32,457 |
| San Jose State U. | 204 | 24,292 | 26,389 | 24,153 | 27,780 | 32,901 | 33,782 | 31,318 | 31,396 | 33,886 | 35,143 | 34,102 | 30,877 | 30,984 | 31,780 |
| Portland State U. | 205 | 36,996 | 41,580 | 42,662 | 40,377 | 33,523 | 29,987 | 32,021 | 32,727 | 31,234 | 33,055 | 31,315 | 29,842 | 30,922 | 31,731 |
| SUNY, Binghamton U. | 206 | 20,979 | 21,244 | 21,162 | 17,715 | 14,843 | 16,171 | 18,562 | 20,639 | 23,392 | 24,213 | 24,564 | 23,225 | 24,888 | 31,601 |
| U. North Carolina, Greensboro | 207 | 19,477 | 20,868 | 16,530 | 13,658 | 13,489 | 14,978 | 17,902 | 17,354 | 17,016 | 18,923 | 20,447 | 24,423 | 29,822 | 31,581 |
| Brigham Young U., Provo | 208 | 22,115 | 24,273 | 22,069 | 23,639 | 24,490 | 24,250 | 28,453 | 26,441 | 23,892 | 23,901 | 24,632 | 30,439 | 31,636 | 31,216 |
| Old Dominion U. | 209 | 34,687 | 39,534 | 38,555 | 39,963 | 41,270 | 40,002 | 39,743 | 42,412 | 32,584 | 31,355 | 30,330 | 25,514 | 27,804 | 31,104 |
| Van Andel Research Institute | 210 | ne | ne | ne | ne | ne | 8,138 | 11,970 | 13,108 | 14,285 | 18,259 | 18,538 | 22,231 | 29,424 | 30,934 |
| East Carolina U. | 211 | 16,113 | 19,675 | 17,838 | 18,227 | 17,409 | 15,079 | 13,073 | 11,526 | 12,611 | 17,428 | 20,168 | 22,813 | 29,648 | 30,851 |
| Morgan State U. | 212 | 10,039 | 9,884 | 15,408 | 13,357 | 14,144 | 12,805 | 14,343 | 13,328 | 11,603 | 11,952 | 14,101 | 16,319 | 24,670 | 30,451 |
| SUNY, Upstate Medical U. | 213 | 27,959 | 28,663 | 27,013 | 23,730 | 21,334 | 19,213 | 18,942 | 19,991 | 20,391 | 22,028 | 23,940 | 24,974 | 27,737 | 30,069 |
| U. North Texas, Denton | 214 | 14,444 | 14,754 | 18,043 | 16,515 | 16,318 | 15,470 | 12,621 | 15,668 | 19,026 | 17,345 | 13,653 | 18,702 | 23,056 | 30,017 |
| Mercer U. | 215 | 18,778 | 17,904 | 19,963 | 19,411 | 19,666 | 21,563 | 21,120 | 19,772 | 18,999 | 27,035 | 31,572 | 34,413 | 32,504 | 29,944 |
| Loyola U., Chicago | 216 | 28,995 | 28,633 | 28,530 | 33,074 | 31,189 | 28,200 | 25,363 | 23,324 | 21,994 | 23,562 | 24,018 | 26,793 | 26,972 | 29,712 |
| South Dakota State U. | 217 | 38,368 | 41,904 | 41,975 | 33,231 | 29,524 | 28,670 | 29,633 | 28,003 | 27,129 | 29,683 | 22,531 | 18,607 | 22,991 | 28,897 |
| U. South Alabama | 218 | 14,730 | 16,758 | 13,816 | 13,743 | 14,353 | 15,106 | 17,628 | 16,627 | 15,098 | 19,947 | 21,825 | 23,758 | 23,762 | 28,637 |
| U. California, Merced | 219 | 9,392 | 10,140 | 11,052 | 10,983 | 10,509 | 12,648 | 12,206 | 14,923 | 14,385 | 16,850 | 20,000 | 18,621 | 23,421 | 28,576 |
| SUNY, Downstate Health Sciences U. | 220 | 25,023 | 33,964 | 34,884 | 31,972 | 25,802 | 20,779 | 25,941 | 22,496 | 26,302 | 26,914 | 26,454 | 27,620 | 25,081 | 28,543 |
| U. Missouri, Kansas City | 221 | 16,391 | 18,988 | 17,522 | 15,774 | 15,178 | 13,327 | 13,081 | 11,296 | 10,596 | 18,624 | 22,320 | 21,203 | 31,134 | 28,115 |
| Illinois Institute of Technology | 222 | 28,349 | 34,858 | 27,767 | 28,319 | 25,679 | 25,826 | 23,821 | 26,330 | 28,265 | 28,827 | 24,244 | 24,762 | 25,963 | 28,027 |
| U. Massachusetts, Boston | 223 | 24,527 | 26,958 | 33,275 | 24,924 | 27,715 | 28,653 | 30,608 | 29,934 | 30,412 | 25,083 | 27,575 | 23,673 | 23,131 | 27,098 |
| U. Memphis | 224 | 20,654 | 20,348 | 22,142 | 18,619 | 21,898 | 18,825 | 18,098 | 18,185 | 25,166 | 18,370 | 18,063 | 21,578 | 24,686 | 26,913 |
| U. Wisconsin-Milwaukee | 225 | 29,042 | 30,479 | 28,862 | 26,450 | 25,377 | 25,587 | 25,651 | 23,916 | 24,612 | 23,342 | 25,354 | 24,397 | 24,036 | 25,612 |
| U. Texas Rio Grande Valley | 226 | na | na | na | na | na | na | 16,892 | 14,808 | 13,330 | 13,629 | 13,093 | 13,018 | 18,317 | 25,068 |
| Delaware State U. | 227 | 10,154 | 12,822 | 11,305 | 11,837 | 12,464 | 12,091 | 15,260 | 14,693 | 13,007 | 12,179 | 14,319 | 16,460 | 24,361 | 24,167 |
| Embry-Riddle Aeronautical U. | 228 | 8,241 | 11,444 | 14,048 | 11,456 | 13,030 | 10,049 | 14,135 | 10,525 | 12,661 | 8,970 | 11,542 | 14,859 | 23,863 | 23,733 |
| CUNY, Hunter C. | 229 | 18,498 | 22,901 | 24,265 | 22,512 | 19,268 | 19,193 | 20,037 | 18,705 | 21,766 | 23,485 | 26,025 | 23,166 | 21,142 | 22,124 |
| U. Nebraska, Omaha | 230 | 6,014 | 6,333 | 5,980 | 5,693 | 5,687 | 6,066 | 7,180 | 7,486 | 7,939 | 8,807 | 9,996 | 13,503 | 17,301 | 22,096 |
| Ohio U. | 231 | 18,466 | 23,051 | 20,780 | 20,203 | 16,597 | 17,303 | 14,678 | 16,393 | 13,961 | 14,802 | 15,543 | 19,164 | 20,587 | 21,919 |
| Desert Research Institute | 232 | 28,307 | 28,489 | 27,294 | 22,814 | 19,932 | 16,511 | 18,883 | 18,839 | 17,911 | 16,745 | 15,791 | 16,641 | 17,341 | 20,061 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Marquette U. | 233 | 9,381 | 11,291 | 9,968 | 8,756 | 8,191 | 9,320 | 10,298 | 10,111 | 10,672 | 12,792 | 13,187 | 13,918 | 15,316 | 20,055 |
| Southern Methodist U. | 234 | 13,312 | 18,502 | 16,640 | 14,274 | 20,611 | 14,324 | 15,587 | 14,464 | 13,439 | 17,869 | 17,752 | 17,886 | 17,680 | 19,986 |
| Marshall U. | 235 | 18,218 | 21,852 | 13,154 | 13,472 | 12,712 | 11,154 | 9,158 | 9,064 | 8,584 | 9,617 | 11,078 | 12,854 | 16,369 | 19,797 |
| U.S. Military Academy | 236 | 22,146 | 13,799 | 12,227 | 11,630 | 14,819 | 15,312 | 13,500 | 13,430 | 13,393 | 10,528 | 8,406 | 13,708 | 19,708 | 19,390 |
| California State U., Northridge | 237 | 17,213 | 19,769 | 24,837 | 7,906 | 11,309 | 12,060 | 13,442 | 14,756 | 15,892 | 16,939 | 17,261 | 13,989 | 15,546 | 19,169 |
| U. of the Virgin Islands | 238 | 28,369 | 16,338 | 22,605 | 15,627 | 14,992 | 19,456 | 20,951 | 10,968 | 10,852 | 10,445 | 11,787 | 13,099 | 19,127 | 19,127 |
| Wright State U. | 239 | 24,785 | 27,422 | 25,552 | 26,888 | 27,838 | 26,931 | 30,162 | 35,533 | 43,644 | 41,428 | 35,321 | 19,617 | 20,529 | 19,081 |
| U. Guam | 240 | 4,962 | 5,391 | 5,448 | 5,554 | 6,599 | 5,586 | 6,621 | 8,067 | 8,597 | 9,339 | 9,722 | 14,316 | 17,066 | 18,992 |
| Louisiana State U., Health Sciences Center, Shreveport | 241 | 13,890 | 15,316 | 13,504 | 11,753 | 8,490 | 6,321 | 6,478 | 7,055 | 9,235 | 12,185 | 11,452 | 12,359 | 15,503 | 18,742 |
| Rowan U. | 242 | 2,062 | 2,108 | 2,349 | 1,926 | 4,591 | 4,674 | 5,252 | 7,110 | 9,602 | 12,064 | 15,551 | 17,400 | 18,613 | 18,454 |
| Meharry Medical C. | 243 | 24,302 | 26,779 | 23,467 | 21,135 | 17,754 | 13,068 | 13,528 | 15,613 | 14,515 | 16,443 | 12,573 | 13,784 | 15,048 | 18,398 |
| Kent State U. | 244 | 14,586 | 15,085 | 14,882 | 11,506 | 11,181 | 11,158 | 10,013 | 10,524 | 11,118 | 13,350 | 15,004 | 15,179 | 16,195 | 17,959 |
| U. West Florida | 245 | 11,038 | 13,156 | 12,858 | 12,927 | 11,593 | 10,935 | 9,841 | 10,127 | 8,634 | 11,506 | 12,369 | 13,313 | 17,114 | 17,954 |
| Eastern Virginia Medical School | 246 | 29,291 | 25,319 | 24,694 | 28,728 | 28,532 | 28,637 | 21,459 | 21,209 | 21,356 | 19,408 | 15,748 | 14,774 | 17,616 | 17,947 |
| CUNY, Queens C. | 247 | 13,642 | 15,573 | 14,897 | 15,443 | 16,460 | 14,080 | 14,275 | 11,884 | 12,390 | 13,457 | 12,726 | 12,386 | 14,756 | 17,811 |
| Texas A&M U.-Corpus Christi | 248 | 7,869 | 7,506 | 5,446 | 6,129 | 7,176 | 9,491 | 8,669 | 10,259 | 12,815 | 14,451 | 13,349 | 10,967 | 15,229 | 17,742 |
| American U. | 249 | 8,841 | 9,208 | 7,515 | 10,421 | 9,427 | 9,449 | 9,554 | 8,800 | 13,013 | 15,229 | 16,123 | 12,076 | 14,752 | 17,462 |
| Southern Illinois U., Carbondale | 250 | 22,209 | 23,696 | 22,055 | 18,398 | 16,288 | 14,895 | 14,574 | 13,421 | 12,733 | 12,625 | 12,735 | 12,655 | 13,582 | 17,209 |
| U. Colorado Denver ^c | 251 | na | na | na | na | na | na | na | na | na | na | na | 11,866 | 12,668 | 17,181 |
| Baylor U. | 252 | 2,947 | 3,704 | 3,513 | 3,510 | 4,062 | 3,878 | 4,244 | 5,265 | 5,782 | 6,955 | 8,851 | 11,025 | 15,856 | 17,147 |
| San Francisco State U. | 253 | 15,601 | 17,337 | 17,075 | 19,024 | 17,129 | 14,336 | 12,804 | 14,817 | 14,388 | 15,675 | 15,834 | 15,993 | 15,276 | 16,507 |
| Jackson State U. | 254 | 39,457 | 43,001 | 39,511 | 29,700 | 21,677 | 19,656 | 20,854 | 20,136 | 17,385 | 16,259 | 13,662 | 14,038 | 15,045 | 16,443 |
| Rutgers, State U. New Jersey, Newark | 255 | 12,631 | 18,226 | 20,588 | 16,295 | 12,520 | 12,611 | 13,737 | 16,617 | 17,516 | 15,397 | 16,196 | 16,281 | 16,099 | 16,315 |
| U. Puerto Rico, Rio Piedras | 256 | 21,717 | 24,887 | 25,407 | 17,946 | 18,262 | 18,922 | 15,892 | 11,512 | 10,028 | 13,943 | 14,071 | 15,108 | 16,905 | 16,053 |
| Tuskegee U. | 257 | 12,309 | 12,397 | 12,633 | 16,789 | 14,145 | 12,267 | 10,388 | 10,388 | 10,388 | 14,825 | 15,122 | 15,424 | 14,911 | 16,023 |
| Tennessee State U. | 258 | 7,414 | 8,369 | 10,240 | 9,872 | 12,016 | 11,145 | 12,291 | 10,557 | 10,291 | 8,962 | 19,272 | 15,066 | 10,859 | 15,983 |
| U. Maryland Center for Environmental Science | 259 | 12,123 | 18,007 | 16,081 | 16,852 | 13,202 | 14,096 | 13,957 | 15,069 | 15,008 | 17,476 | 15,498 | 14,072 | 15,109 | 15,378 |
| North Carolina Central U. | 260 | 6,870 | 9,496 | 11,076 | 8,253 | 9,757 | 10,874 | 10,455 | 11,977 | 12,947 | 13,503 | 12,787 | 10,676 | 13,709 | 15,188 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|------|--------|--------|----------|----------|----------|----------|--------|----------|----------|----------|----------|----------|---------|--------|
| California Polytechnic State U., San Luis Obispo | 261 | 11,637 | 8,658 | 10,125 | 10,280 | 9,087 | 9,796 | 11,276 | 10,535 | 9,613 | 9,720 | 10,178 | 11,163 | 15,084 | 14,810 |
| Texas Tech U., Health Sciences Center | 262 | 12,950 | 14,790 | 13,944 | 14,820 | 9,853 | 10,251 | 10,384 | 9,143 | 7,546 | 11,345 | 13,043 | 12,148 | 14,620 | 14,732 |
| South Dakota School of Mines and Technology | 263 | 25,172 | 28,105 | 14,480 | 7,853 | 7,078 | 9,286 | 10,370 | 10,639 | 10,240 | 9,283 | 10,659 | 11,587 | 15,100 | 14,640 |
| Albany Medical C. | 264 | 15,758 | 13,884 | 11,845 | 10,278 | 9,716 | 9,481 | 10,714 | 11,040 | 10,243 | 11,827 | 12,940 | 13,166 | 13,384 | 14,193 |
| U. Hawaii, system office | 265 | ne | ne | ne | ne | ne | ne | ne | ne | 12,328 | 12,052 | 13,367 | 12,688 | 12,511 | 14,150 |
| U. South Dakota | 266 | 16,467 | 14,490 | 14,088 | 15,274 | 12,162 | 9,214 | 8,832 | 11,134 | 12,523 | 13,367 | 13,034 | 11,664 | 13,702 | 14,101 |
| California State U., Long Beach | 267 | 12,731 | 12,055 | i 11,379 | i 10,701 | 7,879 | 6,198 | 11,176 | 13,085 | 14,021 | 13,579 | 12,014 | 11,178 | 11,739 | 13,758 |
| U. Massachusetts, Dartmouth | 268 | 12,236 | 13,657 | 10,979 | 8,860 | 8,549 | 7,321 | 6,548 | 7,370 | 7,156 | 7,353 | 6,506 | 8,223 | 11,162 | 13,742 |
| Illinois State U. | 269 | 5,442 | 4,586 | 3,833 | 3,902 | 5,213 | 4,424 | 5,630 | 5,355 | 6,312 | 9,827 | 8,719 | 9,787 | 8,673 | 13,612 |
| CUNY, Graduate School of Public Health and Health Policy | 270 | na | na | na | na | na | na | na | na | 5,080 | 5,572 | 8,722 | 12,254 | 11,880 | 13,413 |
| Charles R. Drew U. of Medicine and Science | 271 | 20,430 | 20,679 | 19,733 | 17,144 | 19,412 | 12,992 | 12,089 | 14,461 | 10,198 | 10,427 | 9,863 | 9,945 | 10,656 | 13,297 |
| Missouri State U. | 272 | 6,071 | 4,764 | 3,697 | 3,132 | 3,132 | 3,165 | 2,675 | 2,770 | 3,995 | 5,076 | 12,310 | 8,931 | 10,084 | 12,973 |
| Xavier U. Louisiana | 273 | 5,669 | 6,673 | 7,177 | 5,856 | 7,078 | 7,735 | 10,503 | 10,939 | 10,165 | 8,679 | 9,680 | 11,213 | 11,733 | 12,833 |
| Creighton U. | 274 | 11,850 | 14,140 | 14,270 | 13,569 | 11,690 | 9,359 | 10,619 | 7,946 | 5,721 | 8,265 | 7,583 | 8,585 | 12,022 | 12,681 |
| U. Alaska, Anchorage | 275 | 9,368 | 9,858 | 10,760 | 9,686 | 7,824 | 8,575 | 11,867 | 12,681 | 13,597 | 14,219 | 15,290 | 15,079 | 15,249 | 12,646 |
| Western Michigan U. and Homer Stryker M.D. School of Medicine | 276 | 19,738 | 18,736 | 14,378 | 12,322 | 11,334 | 11,869 | 12,287 | 10,565 | 10,828 | 14,399 | 13,187 | 13,944 | 12,895 | 12,631 |
| U. Texas Health Science Center, Tyler | 277 | ne | ne | ne | ne | ne | 3,713 | 3,757 | 5,792 | 6,438 | i 7,084 | i 7,732 | 12,007 | 14,362 | 12,555 |
| Loma Linda U. | 278 | 29,284 | 32,187 | 24,884 | 26,253 | 19,088 | 21,082 | 16,118 | 15,192 | 13,923 | i 12,654 | i 11,385 | i 10,116 | 9,134 | 12,485 |
| Prairie View A&M U. | 279 | 8,623 | 11,058 | 10,569 | 9,077 | 8,278 | 7,994 | 7,952 | 8,722 | 8,421 | 9,346 | 9,249 | 9,566 | 11,665 | 12,354 |
| U. Puerto Rico, Mayaguez | 280 | 12,735 | 18,568 | 19,949 | 14,414 | 14,162 | 15,700 | 14,446 | 13,604 | 14,111 | 15,653 | 15,842 | 13,073 | 16,223 | 12,260 |
| Alabama A&M U. | 281 | 22,154 | 22,120 | i 22,086 | i 22,052 | i 22,018 | i 21,982 | 18,556 | i 15,130 | i 11,704 | i 8,277 | 5,643 | 7,432 | i 9,221 | 12,197 |
| CUNY, Advanced Science Research Center | 282 | na | na | na | na | na | 257 | ne | 2,355 | 4,027 | 6,859 | 9,208 | 11,840 | 12,580 | 11,916 |
| Teachers C., Columbia U. | 283 | 6,533 | 8,526 | 10,173 | 8,494 | 8,909 | 12,775 | 11,635 | 10,194 | 8,925 | 8,054 | 7,614 | 8,521 | 10,177 | 11,871 |
| Nova Southeastern U. | 284 | 5,718 | 6,904 | 6,653 | 5,379 | 5,992 | 5,896 | 7,381 | 7,979 | 7,853 | 8,965 | 10,452 | 10,386 | 9,314 | 11,637 |
| Florida Institute of Technology | 285 | 9,175 | 7,637 | 7,500 | 7,543 | 8,581 | 8,315 | 9,500 | 8,465 | 8,511 | 10,352 | 10,999 | 13,049 | 10,970 | 11,520 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| California State U., Sacramento | 286 | 5,829 | 6,965 | 5,663 | 7,546 | 5,241 | 5,697 | 5,619 | 6,894 | 6,392 | 5,801 | 5,693 | 5,582 | 6,646 | 11,284 |
| Alcorn State U. | 287 | 9,256 | 8,655 | 8,598 | 8,321 | 7,447 | 6,784 | 6,387 | 8,634 | 7,372 | 7,540 | 7,023 | 7,593 | 9,294 | 10,996 |
| Texas Southern U. | 288 | 5,240 | 4,899 | 4,924 | 4,741 | 3,512 | 3,458 | 3,269 | 3,674 | 2,839 | 3,238 | 6,249 | 5,562 | 7,550 | 10,969 |
| Northern Illinois U. | 289 | 17,334 | 11,807 | 12,861 | 12,415 | 9,174 | 9,158 | 9,957 | 7,947 | 8,903 | 8,610 | 8,030 | 9,080 | 9,840 | 10,849 |
| East Tennessee State U. | 290 | 6,272 | 7,705 | 8,052 | 6,909 | 5,484 | 5,135 | 5,658 | 5,933 | 7,168 | 7,688 | 7,329 | 8,358 | 9,715 | 10,776 |
| Miami U. | 291 | 13,591 | 13,210 | 13,418 | 12,676 | 12,048 | 10,008 | 9,189 | 9,093 | 9,627 | 9,755 | 10,473 | 9,412 | 10,277 | 10,724 |
| U. Akron | 292 | 12,107 | 12,962 | 16,768 | 19,658 | 20,263 | 14,676 | 25,433 | 16,395 | 12,470 | 11,796 | 10,574 | 9,024 | 11,036 | 10,709 |
| Clarkson U. | 293 | 9,573 | 9,531 | 7,061 | 5,283 | 5,476 | 5,440 | 6,183 | 6,819 | 8,203 | 8,551 | 7,095 | 7,246 | 8,834 | 10,611 |
| U.S. Naval Academy | 294 | 10,750 | 10,243 | 9,322 | 10,482 | 10,416 | 8,978 | 11,016 | 12,963 | 13,331 | 12,991 | 12,577 | 10,247 | 10,147 | 10,260 |
| U. Maryland, Eastern Shore | 295 | 8,583 | 8,587 | 6,965 | 8,511 | 8,902 | 9,284 | 7,853 | 7,265 | 4,890 | 6,983 | 8,084 | 8,346 | 9,062 | 10,201 |
| Chapman U. | 296 | 1,871 | 1,576 | 1,733 | 2,379 | 2,373 | 2,790 | 3,357 | 3,598 | 4,057 | 5,738 | 7,850 | 8,574 | 11,098 | 10,015 |
| Tennessee Technological U. | 297 | 7,490 | 6,397 | 4,674 | 3,999 | 3,725 | 3,578 | 4,076 | 4,969 | 5,390 | 6,153 | 6,471 | 7,625 | 8,156 | 9,975 |
| Florida Gulf Coast U. | 298 | 9,542 | 10,328 | 5,146 | 4,800 | 4,609 | 4,501 | 4,442 | 3,746 | 3,164 | 3,773 | 5,304 | 4,467 | 6,482 | 9,858 |
| California State U., San Marcos | 299 | 4,106 | 4,827 | 5,548 | 6,271 | 6,091 | 4,573 | 5,273 | 5,594 | 7,497 | 9,134 | 11,547 | 8,831 | 7,986 | 9,845 |
| Oakland U. | 300 | 7,130 | 9,178 | 9,185 | 7,605 | 6,885 | 6,161 | 6,198 | 6,418 | 5,777 | 6,690 | 5,068 | 7,426 | 9,533 | 9,600 |
| Central Michigan U. | 301 | 2,536 | 4,841 | 5,055 | 5,464 | 6,187 | 5,464 | 5,387 | 5,557 | 7,130 | 8,100 | 7,450 | 6,919 | 9,773 | 9,591 |
| Montana Technological U. | 302 | 5,321 | 4,999 | 3,293 | 3,507 | 3,202 | 3,420 | 3,916 | 5,019 | 4,691 | 4,926 | 4,322 | 6,133 | 5,600 | 9,585 |
| Texas A&M U.-Kingsville | 303 | 7,088 | 6,280 | 6,480 | 7,002 | 8,678 | 7,080 | 7,475 | 7,869 | 7,459 | 8,419 | 9,610 | 9,265 | 8,225 | 9,584 |
| Hampton U. | 304 | 14,455 | 12,292 | 15,356 | 12,620 | 11,153 | 14,735 | 14,201 | 16,249 | 14,170 | 13,390 | 11,278 | 11,517 | 11,274 | 9,445 |
| SUNY, C. of Environmental Science and Forestry | 305 | 8,907 | 8,732 | 8,557 | 8,382 | 5,564 | 7,784 | 8,313 | 7,730 | 6,873 | 7,743 | 7,809 | 6,979 | 7,766 | 9,231 |
| Idaho State U. | 306 | 14,645 | 17,149 | 16,095 | 13,206 | 11,091 | 11,738 | 11,926 | 11,184 | 10,081 | 7,547 | 7,849 | 7,216 | 9,080 | 9,230 |
| California State U., Los Angeles | 307 | 7,234 | 8,426 | 6,847 | 7,065 | 4,923 | 4,291 | 3,804 | 6,612 | 8,586 | 9,288 | 8,380 | 7,342 | 8,605 | 8,973 |
| Northeast Ohio Medical U. | 308 | 4,009 | 4,081 | 3,816 | 5,244 | 6,582 | 7,607 | 9,181 | 10,043 | 9,743 | 10,107 | 10,684 | 9,999 | 9,400 | 8,873 |
| Villanova U. | 309 | 6,367 | 6,817 | 5,518 | 4,218 | 5,008 | 4,572 | 4,334 | 4,048 | 3,968 | 4,085 | 4,921 | 5,826 | 6,476 | 8,741 |
| U. Tulsa | 310 | 7,126 | 7,970 | 6,782 | 6,279 | 5,773 | 6,384 | 6,426 | 5,905 | 4,615 | 4,142 | 4,697 | 5,876 | 5,893 | 8,545 |
| California State U., East Bay | 311 | 643 | 921 | 536 | 310 | ne | ne | 479 | ne | ne | ne | 2,348 | 3,289 | 8,997 | 8,508 |
| New York Medical C. | 312 | 21,095 | 21,013 | 16,471 | 13,806 | 11,421 | 11,326 | 10,772 | 9,000 | 8,141 | 11,061 | 12,106 | 10,739 | 9,070 | 8,226 |
| Bowling Green State U. | 313 | 4,963 | 6,164 | 7,005 | 9,323 | 6,576 | 5,544 | 6,229 | 6,395 | 6,056 | 5,852 | 6,397 | 7,263 | 7,918 | 8,208 |
| California State Polytechnic U., Pomona | 314 | 2,563 | 2,978 | 2,635 | 2,996 | 2,165 | 1,881 | 2,199 | 3,231 | 4,297 | 3,555 | 5,514 | 4,396 | 5,407 | 8,162 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|--------|--------|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Louisiana Tech U. | 315 | 10,806 | 11,952 | 9,835 | 8,881 | 7,742 | 5,776 | 5,455 | 5,608 | 5,801 | 6,564 | 7,167 | 6,428 | 5,734 | 8,118 |
| U. North Carolina, Wilmington | 316 | 14,364 | 14,218 | 11,571 | 9,133 | 6,063 | 5,819 | 5,966 | 5,990 | 5,732 | 7,174 | 6,783 | 6,852 | 7,178 | 8,116 |
| U. North Florida | 317 | 4,636 | 5,082 | 3,760 | 1,424 | 1,177 | 1,198 | 1,356 | 1,435 | 3,818 | 4,017 | 4,568 | 7,267 | 7,758 | 8,113 |
| Winston-Salem State U. | 318 | ne | 1,179 | 1,977 | 841 | ne | ne | 1,356 | 1,575 | 1,629 | 2,011 | 4,498 | 4,841 | 8,903 | 7,901 |
| Clark Atlanta U. | 319 | 7,229 | 7,040 | 8,447 | 7,576 | 7,241 | 7,455 | 6,048 | 5,811 | 5,634 | 5,689 | 5,324 | 5,355 | 5,895 | 7,687 |
| Texas Christian U. | 320 | 3,373 | 3,924 | 4,998 | 5,870 | 5,779 | 4,732 | 3,617 | 4,035 | 3,198 | 2,866 | 3,168 | 4,448 | 5,670 | 7,627 |
| California State U., San Bernardino | 321 | 3,394 | 9,953 | 7,251 | 6,190 | 6,414 | 5,959 | 6,348 | 6,565 | 7,920 | 8,651 | 5,886 | 5,867 | 6,693 | 7,606 |
| Kentucky State U. | 322 | 3,501 | 3,146 | 4,924 | 3,906 | 4,335 | 4,590 | 5,146 | 5,382 | 5,618 | 4,692 | 4,456 | 3,716 | 4,743 | 7,605 |
| U. Arkansas, Little Rock | 323 | 7,571 | 8,615 | 8,104 | 6,848 | 5,188 | 4,259 | 4,934 | 4,756 | 5,764 | 6,688 | 7,289 | 6,939 | 6,675 | 7,544 |
| U. Minnesota, Duluth | 324 | 6,441 | 8,564 | 7,597 | 7,264 | 5,940 | 10,025 | 8,055 | 6,033 | 5,520 | 7,143 | 6,454 | 5,325 | 6,122 | 7,533 |
| Fort Valley State U. | 325 | 4,586 | 3,452 | 3,334 | 3,329 | 4,249 | 4,079 | 4,844 | 5,068 | 3,700 | 4,434 | 4,806 | 4,429 | 7,265 | 7,505 |
| CUNY, John Jay C. of Criminal Justice | 326 | 3,418 | 4,086 | 3,921 | 3,546 | 3,214 | 3,392 | 4,625 | 4,826 | 5,896 | 4,971 | 5,297 | 3,519 | 5,777 | 7,452 |
| U. of the District of Columbia | 327 | 1,946 | 2,313 | 2,430 | 2,168 | 1,627 | 1,434 | 2,451 | 2,659 | 2,021 | 3,283 | 2,664 | 6,851 | 9,859 | 7,367 |
| Virginia State U. | 328 | 5,552 | 6,035 | 6,999 | 6,212 | 5,424 | 4,951 | 5,204 | 4,779 | 5,655 | 6,636 | 5,642 | 4,846 | 7,115 | 7,166 |
| Pacific U. | 329 | 845 | 242 | 1,767 | 1,674 | 1,137 | 962 | 1,419 | 4,058 | 2,637 | 3,917 | 2,596 | 2,072 | 2,672 | 7,133 |
| Rosalind Franklin U. of Medicine and Science | 330 | 8,350 | 9,317 | 10,084 | 11,202 | 9,754 | 9,368 | 8,478 | 8,828 | 9,249 | 8,865 | 8,504 | 9,357 | 7,292 | 7,124 |
| Western Washington U. | 331 | 4,594 | 4,661 | 3,891 | 3,789 | 4,039 | 4,546 | 4,701 | 5,271 | 4,393 | 3,978 | 3,966 | 4,290 | 6,347 | 6,598 |
| Duquesne U. | 332 | 5,904 | 5,991 | 5,723 | 4,343 | 4,670 | 5,004 | 5,809 | 5,759 | 5,762 | 4,552 | 4,981 | 5,020 | 6,309 | 6,555 |
| Ball State U. | 333 | 3,988 | 3,064 | 3,320 | 2,440 | 1,971 | 2,291 | 3,253 | 2,531 | 3,028 | 2,929 | 2,397 | 2,469 | 5,302 | 6,355 |
| MGH Institute of Health Professions | 334 | ne | 408 | ne | ne | ne | 3,766 | 2,228 | 1,839 | 2,957 | 3,494 | 3,014 | 2,500 | 4,628 | 6,200 |
| Western U. of Health Sciences | 335 | 885 | 914 | 1,300 | 1,163 | 1,545 | 1,206 | 2,391 | 2,725 | 2,755 | 3,035 | 4,486 | 5,620 | 7,131 | 6,099 |
| U. Hawaii, Hilo | 336 | 12,265 | 7,150 | 20,726 | 15,391 | 8,603 | 12,772 | 9,402 | 5,461 | 5,264 | 4,924 | 5,274 | 5,510 | 5,292 | 6,068 |
| California State U., Fullerton | 337 | 13,651 | 16,159 | 12,440 | 11,716 | 6,932 | 4,784 | 3,815 | 4,237 | 4,981 | 4,340 | 4,121 | 4,551 | 6,136 | 6,049 |
| U.S. Army War C. | 338 | ne | ne | ne | ne | ne | ne | ne | ne | ne | 4,418 | ne | 4,662 | 5,496 | 6,035 |
| U. Tennessee, Chattanooga | 339 | 4,866 | 2,932 | 3,202 | 2,056 | 1,501 | 1,949 | 1,092 | 1,144 | 1,490 | 2,393 | 3,915 | 4,507 | 5,214 | 6,003 |
| Wesleyan U. | 340 | 4,496 | 5,525 | 4,726 | 3,930 | 3,363 | 3,612 | 3,493 | 3,902 | 4,353 | 4,793 | 4,305 | 4,032 | 5,267 | 5,955 |
| Montclair State U. | 341 | 1,876 | 2,629 | 3,593 | 3,410 | 2,533 | 2,716 | 2,649 | 2,163 | 3,505 | 4,164 | 3,782 | 4,146 | 5,189 | 5,916 |
| Kennesaw State U. | 342 | 1,246 | 1,054 | 2,214 | 3,374 | 1,413 | 2,329 | 1,925 | 2,085 | 2,343 | 2,499 | 1,983 | 3,104 | 3,290 | 5,908 |
| Naval War C. | 343 | ne | ne | 2,938 | 2,700 | 2,736 | 2,653 | 3,210 | 3,797 | 4,384 | 5,060 | 5,944 | 5,542 | 5,529 | 5,819 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|--------|---------|----------|--------|---------|---------|-------|----------|----------|---------|---------|---------|---------|---------|
| Morehouse C. | 344 | 7,857 | 8,460 | i 9,063 | 9,226 | 6,919 | 5,944 | 4,301 | 3,667 | 4,531 | 4,494 | 4,825 | 4,533 | 5,664 | 5,750 |
| California State U., Monterey Bay | 345 | 3,167 | 4,713 | 4,341 | 4,961 | 3,862 | 3,459 | 3,654 | 3,574 | 3,607 | 3,746 | 3,889 | 3,813 | 5,051 | 5,639 |
| DePaul U. | 346 | 3,896 | 4,629 | 4,827 | 4,260 | 5,023 | 4,622 | 4,623 | 5,424 | 4,532 | 4,464 | 5,156 | 4,518 | 3,757 | 5,592 |
| Central State U. | 347 | 2,544 | 3,528 | 3,390 | 2,688 | 2,000 | 1,508 | 1,546 | 1,491 | 2,299 | 2,517 | 3,097 | 4,165 | 5,576 | 5,523 |
| Gallaudet U. | 347 | 5,522 | 4,633 | 4,335 | 4,500 | 3,012 | 2,340 | 2,135 | 2,380 | 2,259 | 2,190 | 1,841 | 2,140 | 3,287 | 5,523 |
| CUNY, Brooklyn C. | 349 | 5,358 | 7,098 | 6,578 | 5,999 | 6,548 | 5,771 | 5,995 | 5,244 | 4,280 | 4,465 | i 4,651 | 4,505 | 4,623 | 5,518 |
| Tarleton State U. | 350 | 6,379 | 6,036 | 5,086 | 3,525 | 3,683 | 3,927 | 4,495 | 4,602 | 4,288 | 4,632 | 4,139 | 4,620 | 5,055 | 5,478 |
| Langston U. | 351 | 3,313 | 3,778 | 3,957 | 4,153 | 5,816 | 5,621 | 9,178 | 8,326 | i 7,474 | i 6,622 | 9,004 | 3,089 | 3,616 | 5,473 |
| South Carolina State U. | 352 | 6,334 | 8,630 | i 10,926 | 8,770 | i 6,614 | i 4,456 | 4,556 | i 14,300 | i 14,938 | i 3,659 | 4,076 | i 4,493 | i 4,910 | i 5,330 |
| U. New Orleans | 353 | 19,244 | 19,000 | 14,521 | 11,051 | 9,490 | 7,492 | 6,826 | 5,568 | 5,258 | 4,353 | 3,868 | 3,674 | 8,270 | 5,283 |
| U. Colorado Colorado Springs | 354 | 6,699 | 5,805 | 3,540 | 3,407 | 4,018 | 4,244 | 3,976 | 4,525 | 4,094 | 3,072 | 3,508 | 3,942 | 5,345 | 5,205 |
| Salisbury U. | 355 | 1,823 | 586 | 1,256 | 2,342 | 3,131 | 2,727 | 2,414 | 2,203 | 1,805 | 2,290 | 2,413 | 3,271 | 3,734 | 5,049 |
| C. Charleston | 356 | 11,610 | 5,056 | 6,277 | 6,385 | 5,051 | 6,200 | 6,269 | 5,870 | 4,376 | 4,395 | 3,087 | 4,126 | 4,485 | 5,036 |
| California State U., Fresno | 357 | 3,424 | 3,795 | 3,532 | 2,682 | 2,921 | 3,573 | 3,539 | 3,511 | 3,969 | 2,900 | 3,117 | 4,101 | 5,928 | 4,864 |
| U. New England | 358 | 2,829 | 3,242 | 3,359 | 4,271 | 4,789 | 4,862 | 5,298 | 5,918 | 4,976 | 5,269 | 5,064 | 3,864 | 3,660 | 4,777 |
| Oklahoma State U., Center for Health Sciences | 359 | 817 | 377 | 83 | 61 | 31 | 321 | 748 | 1,055 | 1,021 | 985 | 2,618 | 2,304 | 3,366 | 4,773 |
| Southern U. and A&M C., Agricultural Research and Extension Center | 360 | ne | 4,049 | 5,926 | 3,481 | 3,363 | 2,514 | 2,415 | 2,736 | i 3,057 | 3,057 | 2,085 | 3,588 | 4,261 | 4,688 |
| Fordham U. | 361 | 4,132 | 3,925 | 4,187 | 4,874 | 4,258 | 3,969 | 5,979 | 5,761 | 4,973 | 4,218 | 3,831 | 4,076 | 4,856 | 4,687 |
| Providence C. | 362 | 857 | 726 | ne | 827 | ne | 1,162 | 981 | 783 | 960 | 857 | 913 | 574 | ne | 4,648 |
| Lincoln U., Jefferson City | 363 | 5,984 | 7,084 | 6,306 | 4,989 | 5,460 | 5,492 | 4,953 | 4,148 | 2,498 | 2,700 | 3,636 | 5,621 | 8,988 | 4,610 |
| Northwest Indian C. | 364 | 1,943 | 1,993 | i 2,044 | 2,216 | 1,705 | 1,154 | i ne | ne | 2,037 | 2,520 | 3,112 | i 3,704 | i 4,298 | 4,595 |
| U. Missouri, Saint Louis | 365 | 7,151 | 10,157 | 9,650 | 7,868 | 5,844 | 4,369 | 4,959 | 5,240 | 6,364 | 7,059 | 6,146 | 5,812 | 4,573 | 4,569 |
| Spelman C. | 366 | 2,740 | 1,833 | 1,874 | 1,366 | 1,185 | 1,035 | 1,291 | 1,227 | 1,673 | 2,004 | 2,136 | 1,886 | 2,539 | 4,567 |
| CUNY, Lehman C. | 367 | 2,560 | i 2,700 | 2,215 | 1,874 | 2,249 | 2,394 | 3,625 | 3,734 | 4,478 | 3,342 | 3,197 | 3,382 | 3,652 | 4,487 |
| Southern U. and A&M C., Baton Rouge | 368 | 5,920 | 6,057 | i 6,194 | 4,191 | 3,850 | 3,258 | 2,778 | 2,866 | 3,431 | 3,243 | 2,996 | 3,770 | 3,595 | 4,444 |
| U. Detroit Mercy | 369 | 633 | 856 | 508 | ne | 317 | 890 | 2,565 | 2,296 | 4,385 | 4,936 | 4,226 | 3,917 | 4,663 | 4,434 |
| Norfolk State U. | 370 | 5,413 | 6,462 | 7,739 | 5,523 | 6,492 | 5,104 | 7,230 | 7,101 | 6,912 | 8,046 | 7,148 | 3,976 | 3,398 | 4,381 |
| Pennsylvania State U., Behrend | 371 | 887 | 1,029 | 1,232 | 1,353 | 1,610 | 1,510 | 2,445 | 1,670 | 1,025 | 1,427 | 543 | 2,286 | 3,262 | 4,378 |
| U. Baltimore | 372 | 1,812 | 3,288 | 3,386 | 2,906 | 2,947 | 2,998 | 3,769 | 4,289 | 7,431 | 9,103 | 11,748 | 11,692 | 4,853 | 4,250 |
| Barnard C. | 373 | 2,754 | 3,325 | 3,194 | 2,568 | 2,373 | 2,384 | 3,082 | 2,777 | 2,491 | 2,871 | 2,800 | 3,527 | 3,758 | 4,235 |
| U. Arkansas, Pine Bluff | 374 | 3,947 | 4,696 | 4,540 | 4,550 | 3,875 | 3,912 | 4,233 | 3,747 | 3,683 | 4,299 | 4,393 | 3,960 | 3,306 | 4,204 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| U. Washington, Tacoma | 375 | 573 | 406 | 1,098 | 1,104 | 1,577 | 2,515 | 2,682 | 2,042 | 2,230 | 2,808 | 3,075 | 3,459 | 4,553 | 3,875 |
| Middle Tennessee State U. | 376 | 2,651 | 2,669 | 4,553 | 2,585 | 1,564 | 2,302 | 3,535 | 2,513 | 2,391 | 2,473 | 3,062 | 4,150 | 4,347 | 3,822 |
| Fisk U. | 377 | 7,686 | 4,631 | 4,058 | 6,307 | 8,557 | 9,050 | 9,544 | 4,327 | 2,781 | 4,615 | 3,811 | 3,940 | 3,486 | 3,819 |
| U. Washington, Bothell | 378 | 446 | 911 | 701 | 825 | 2,005 | 2,236 | 2,863 | 3,169 | 2,920 | 3,353 | 2,815 | 2,956 | 4,009 | 3,787 |
| Chicago State U. | 379 | 1,598 | 2,014 | 565 | ne | ne | ne | 910 | ne | 1,154 | 898 | ne | ne | 3,699 | 3,756 |
| Towson U. | 380 | 1,806 | 2,630 | 1,771 | 2,015 | 2,268 | 2,020 | 1,616 | 1,599 | 2,133 | 2,144 | 2,010 | 1,758 | 2,844 | 3,653 |
| Hope C. | 381 | 2,523 | 2,414 | 1,912 | 1,993 | 2,000 | 1,436 | 1,251 | 1,169 | 1,100 | 1,361 | 1,155 | 1,992 | 3,691 | 3,639 |
| Southern Illinois U., Edwardsville | 382 | 4,192 | 4,056 | 3,172 | 3,209 | 2,249 | 2,175 | 3,422 | 3,805 | 3,209 | 3,561 | 3,467 | 3,844 | 3,250 | 3,621 |
| Georgia Southern U. | 383 | 2,077 | 1,530 | 1,359 | 2,092 | 3,247 | 3,004 | 2,695 | 2,978 | 1,805 | 1,780 | 1,790 | 3,373 | 2,605 | 3,562 |
| U. Wisconsin-Superior | 384 | 5,197 | 5,638 | 5,302 | ne | 1,949 | ne | ne | ne | 1,924 | 1,527 | 1,382 | 1,843 | 3,635 | 3,559 |
| California State U., Bakersfield | 385 | 637 | 727 | 641 | 1,721 | 1,140 | 1,875 | 1,689 | 2,466 | 3,243 | 4,376 | 4,486 | 3,827 | 2,665 | 3,525 |
| U. San Diego | 386 | 1,352 | 1,184 | 1,903 | 2,066 | 2,451 | 1,836 | 2,152 | 2,299 | 2,397 | 2,511 | 2,398 | 2,554 | 2,911 | 3,501 |
| Appalachian State U. | 387 | 1,813 | 2,586 | 2,287 | 1,731 | 2,198 | 1,796 | 1,896 | 2,630 | 1,922 | 1,332 | 1,469 | 1,694 | 2,567 | 3,497 |
| Sonoma State U. | 388 | 690 | 559 | ne | 1,800 | 1,581 | 964 | 630 | ne | ne | ne | 936 | 2,212 | 2,889 | 3,483 |
| James Madison U. | 389 | 5,563 | 5,218 | 6,476 | 4,617 | 3,017 | 2,418 | 2,203 | 2,273 | 1,879 | 2,717 | 2,609 | 2,379 | 2,884 | 3,475 |
| U. Michigan, Dearborn | 390 | 2,932 | 4,305 | 2,992 | 3,300 | 2,901 | 1,844 | 2,172 | 1,930 | 1,448 | 1,850 | 2,264 | 2,366 | 2,537 | 3,464 |
| Santa Clara U. | 391 | 3,494 | 2,019 | 2,074 | 1,668 | 2,039 | 1,226 | 1,634 | 1,468 | 1,592 | 1,333 | 1,522 | 1,930 | 2,660 | 3,448 |
| New Mexico Highlands U. | 392 | 970 | 989 | 735 | 741 | 969 | ne | 1,086 | 1,015 | 741 | ne | 1,034 | 1,828 | 2,622 | 3,416 |
| Purdue U., Northwest | 393 | na | na | na | na | na | na | na | 4,024 | 3,205 | 2,493 | 1,996 | 2,280 | 3,171 | 3,409 |
| Western Kentucky U. | 394 | 6,866 | 6,210 | 5,712 | 4,279 | 3,383 | 3,450 | 4,018 | 3,808 | 3,162 | 3,391 | 3,265 | 2,348 | 3,127 | 3,401 |
| U. North Carolina, Asheville | 395 | 1,367 | 1,770 | 1,789 | 1,608 | 1,176 | 1,531 | 2,312 | 1,851 | 1,442 | 1,846 | 2,405 | 2,322 | 2,600 | 3,323 |
| Sam Houston State U. | 396 | 5,066 | 3,855 | 2,717 | 2,360 | 2,209 | 1,491 | 1,830 | 1,872 | 2,200 | 3,723 | 4,764 | 5,632 | 4,936 | 3,307 |
| CUNY, C. Staten Island | 397 | 952 | 1,583 | 1,470 | 1,311 | 1,400 | 1,222 | 1,700 | 1,543 | 1,982 | 2,421 | 2,295 | 2,234 | 2,916 | 3,296 |
| Citadel Military C. South Carolina | 398 | ne | 157 | ne | ne | ne | ne | ne | ne | ne | ne | 736 | 1,714 | 4,360 | 3,287 |
| Western Illinois U. | 399 | 658 | 746 | 3,855 | 1,183 | 735 | 373 | ne | 1,198 | 1,551 | 1,495 | 1,801 | 3,163 | 4,032 | 3,283 |
| California State Polytechnic U., Humboldt | 400 | 3,024 | 3,292 | 3,588 | 2,829 | 2,504 | 3,280 | 4,455 | 3,796 | 3,024 | 2,103 | 2,399 | 1,975 | 2,421 | 3,280 |
| New York Institute of Technology | 401 | 250 | 494 | 1,339 | 2,527 | 3,504 | 2,375 | 1,607 | 984 | 1,501 | 3,135 | 1,542 | 1,988 | 2,988 | 3,252 |
| California State U., Chico | 402 | 1,502 | 1,317 | 1,345 | 1,682 | 1,169 | 854 | 933 | 581 | 1,060 | 1,864 | 2,520 | 2,258 | 2,312 | 3,152 |
| U. of Health Sciences and Pharmacy in St. Louis | 403 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 3,767 | 4,063 | 2,523 | 3,110 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--------------------------------------|------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Arkansas State U., Jonesboro | 404 | 6,194 | 8,644 | 9,645 | 6,360 | 3,958 | 4,347 | 4,826 | 4,396 | 4,371 | 4,876 | 4,712 | 4,249 | 3,932 | 3,083 |
| Troy U. | 405 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 1,591 | 1,488 | 2,296 | 3,069 |
| Pennsylvania State U., Harrisburg | 406 | 963 | 1,302 | 1,290 | 701 | 269 | 565 | 270 | 215 | 292 | 80 | 451 | 1,616 | 1,911 | 3,045 |
| Rutgers, State U. New Jersey, Camden | 407 | 2,001 | 1,555 | 1,545 | 1,750 | 1,766 | 2,215 | 2,653 | 2,412 | 1,567 | 1,096 | 1,952 | 2,905 | 3,349 | 3,042 |
| Smith C. | 408 | 2,843 | 3,159 | 2,690 | 2,853 | 3,042 | 3,575 | 2,634 | 3,449 | 3,305 | 2,892 | 2,650 | 2,433 | 2,403 | 3,013 |
| Colby C. | 409 | 1,105 | 1,028 | 1,197 | 1,046 | 943 | 1,038 | 1,137 | 1,048 | 1,213 | 1,093 | 809 | 750 | 1,466 | 3,011 |
| U. Northern Iowa | 410 | 1,460 | 2,294 | 2,182 | 2,347 | 2,094 | 1,961 | 2,297 | 2,154 | 1,697 | 2,343 | 1,881 | 1,995 | 2,132 | 2,975 |
| Occidental C. | 411 | 665 | 904 | 1,079 | 1,105 | 1,365 | 853 | 1,260 | 701 | 901 | 1,614 | 1,567 | 2,348 | 2,622 | 2,967 |
| U. Central del Caribe | 412 | 6,504 | 6,613 | 6,304 | 5,946 | 6,407 | 6,147 | 6,290 | 4,866 | 2,937 | 2,705 | 2,743 | 2,492 | 2,807 | 2,929 |
| Loyola Marymount U. | 413 | 1,731 | 2,815 | 1,222 | 1,357 | 1,142 | 819 | 707 | 883 | 1,040 | 1,185 | 1,105 | 2,170 | 2,824 | 2,921 |
| Wellesley C. | 413 | 3,677 | 2,496 | 2,902 | 3,135 | 3,579 | 2,980 | 5,197 | 3,815 | 3,947 | 3,602 | 4,441 | 3,469 | 2,915 | 2,921 |
| CUNY, system office | 415 | ne | ne | 1,398 | 1,001 | 362 | 828 | 832 | 527 | 1,977 | 2,241 | 884 | 768 | 798 | 2,901 |
| Amherst C. | 416 | 1,102 | 1,992 | 1,988 | 1,985 | 1,543 | 1,835 | 1,207 | 1,228 | 1,630 | 2,118 | 1,775 | 1,375 | 2,862 | 2,869 |
| Midwestern U. | 417 | 315 | 438 | 427 | 369 | 517 | 654 | 1,060 | 1,184 | 1,278 | 1,045 | 936 | 1,506 | 1,609 | 2,862 |
| Alabama State U. | 418 | 13,340 | 12,340 | 13,607 | 1,927 | 2,236 | 2,303 | 2,372 | 2,253 | 2,434 | 2,577 | 2,582 | 2,338 | 2,930 | 2,848 |
| Fort Lewis C. | 419 | 340 | 511 | ne | ne | ne | ne | ne | ne | ne | 1,284 | 1,228 | 1,746 | 2,590 | 2,816 |
| Carleton C. | 420 | 1,803 | 2,332 | 2,212 | 3,347 | 3,157 | 3,813 | 3,508 | 3,366 | 2,542 | 1,891 | 1,236 | 1,499 | 1,914 | 2,800 |
| West Virginia State U. | 420 | 2,759 | 3,193 | 3,945 | 3,316 | 6,006 | 5,562 | 4,126 | 5,072 | 5,361 | 4,592 | 3,993 | 4,119 | 4,278 | 2,800 |
| CUNY, Graduate Center | 422 | 4,901 | 3,462 | 3,191 | 2,827 | 2,310 | 2,106 | 1,796 | 1,485 | 2,592 | 3,009 | 2,561 | 2,496 | 2,535 | 2,792 |
| St. John's U., New York | 422 | 1,274 | 1,263 | 1,185 | 872 | 883 | 992 | 940 | 1,020 | 1,612 | 1,666 | 1,805 | 1,950 | 2,456 | 2,792 |
| Seton Hall U. | 424 | 2,206 | 2,681 | 1,667 | 1,694 | 1,801 | 1,919 | 1,975 | 1,982 | 3,551 | 3,982 | 2,725 | 2,137 | 2,092 | 2,778 |
| Pace U. | 425 | 627 | 952 | 1,476 | 1,054 | 1,212 | 1,681 | 2,845 | 2,423 | 2,117 | 2,579 | 2,997 | 2,536 | 2,534 | 2,698 |
| Youngstown State U. | 426 | 2,067 | 3,304 | 2,159 | 1,834 | 1,876 | 2,346 | 1,083 | 3,257 | 3,634 | 2,878 | 3,308 | 2,198 | 3,533 | 2,691 |
| Saint Joseph's U. | 427 | 1,368 | 1,087 | 835 | 700 | 468 | 526 | 476 | 239 | 252 | 373 | 1,047 | 1,158 | 2,520 | 2,680 |
| Tougaloo C. | 428 | 2,978 | 2,753 | 2,613 | 2,639 | 2,285 | 2,689 | 2,473 | 3,030 | 3,173 | 3,380 | 2,102 | 2,092 | 2,336 | 2,643 |
| U. Southern Maine | 429 | 9,137 | 7,752 | 5,490 | 4,582 | 3,821 | 3,060 | 2,299 | 2,252 | 2,362 | 2,551 | 2,231 | 2,020 | 2,201 | 2,598 |
| Middlebury C. | 430 | 2,245 | 2,289 | 2,513 | 1,856 | 1,351 | 1,535 | 1,736 | 2,002 | 1,774 | 1,558 | 1,546 | 2,639 | 2,281 | 2,564 |
| Eastern Michigan U. | 431 | 9,088 | 7,916 | 7,374 | 2,428 | 1,031 | 1,482 | 1,627 | 1,474 | 1,522 | 2,135 | 2,598 | 2,237 | 2,346 | 2,521 |
| Saginaw Valley State U. | 432 | 77 | 525 | 334 | 203 | ne | 223 | 237 | 621 | 1,227 | 2,339 | 1,809 | 1,899 | 2,341 | 2,503 |
| Central Washington U. | 433 | 4,038 | 2,242 | 1,840 | 1,263 | 1,113 | 1,575 | 1,580 | 2,297 | 1,840 | 2,159 | 1,701 | 1,778 | 2,429 | 2,499 |
| CUNY, New York City C. of Technology | 434 | 81 | 145 | ne | ne | ne | ne | ne | ne | 1,978 | 1,891 | 1,585 | 1,197 | 1,769 | 2,498 |
| National Defense U. | 435 | ne | ne | ne | 5,865 | 7,682 | 5,542 | 6,447 | 6,293 | 4,276 | 4,231 | 4,583 | 3,786 | 3,920 | 2,494 |
| Bowie State U. | 436 | ne | 1,910 | 1,739 | 1,422 | 1,761 | 1,497 | 1,927 | 1,813 | 1,839 | 1,911 | 1,967 | 1,398 | 3,351 | 2,469 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|-------|-------|---------|-------|-------|---------|-------|---------|---------|---------|---------|---------|---------|---------|
| SUNY, C. of Optometry | 436 | 2,829 | 3,336 | 3,162 | 2,757 | 2,567 | 2,490 | 2,487 | 2,073 | 1,944 | 1,823 | 1,688 | 2,105 | 2,080 | 2,469 |
| California State U., Dominguez Hills | 438 | 2,658 | 2,671 | 2,689 | 4,235 | 3,381 | i 2,527 | 2,215 | 1,238 | 1,354 | 1,261 | 1,433 | 2,001 | 3,156 | 2,457 |
| Texas Woman's U. | 439 | 822 | 1,173 | 1,908 | 1,136 | 961 | 722 | 573 | 945 | 1,422 | 1,864 | 1,700 | 1,514 | 2,091 | 2,439 |
| Dakota State U. | 440 | ne | 402 | 3,555 | 831 | 908 | 765 | 1,593 | 1,989 | 3,273 | 3,008 | 3,957 | 2,603 | 3,976 | 2,437 |
| Reed C. | 441 | 796 | 772 | 678 | 897 | 1,125 | 1,638 | 1,690 | 415 | 1,065 | 1,423 | 1,806 | 1,916 | i 2,139 | i 2,420 |
| Texas Tech U., Health Sciences Center, El Paso | 442 | ne | ne | ne | ne | 5,352 | 2,893 | 3,064 | 2,410 | 2,532 | 2,279 | 1,703 | 1,831 | 2,339 | 2,415 |
| Northern Kentucky U. | 443 | 1,476 | 1,595 | 1,483 | 1,240 | 1,418 | 1,342 | 1,133 | 1,109 | 890 | 1,316 | 1,462 | 2,156 | 2,596 | 2,413 |
| Bucknell U. | 444 | 2,745 | 2,747 | 1,540 | 1,590 | 1,725 | 1,489 | 1,436 | i 1,383 | i 1,329 | 1,764 | 1,730 | i 1,696 | 2,539 | 2,359 |
| Winthrop U. | 445 | ne | 3,440 | 5,243 | 7,451 | 7,955 | 5,802 | 1,178 | 1,189 | 1,419 | 1,438 | 1,563 | 1,495 | 2,542 | 2,358 |
| Haverford C. | 446 | 2,715 | 1,851 | 1,478 | 1,547 | 1,309 | 1,476 | 972 | 1,031 | 1,665 | 2,343 | 2,680 | 2,455 | 2,722 | 2,344 |
| Keck Graduate Institute | 447 | ne | 1,744 | 1,671 | 1,227 | 1,302 | 937 | 895 | i 853 | i 811 | i 769 | i 727 | i 685 | i 643 | 2,338 |
| Swarthmore C. | 448 | 913 | 1,029 | 1,135 | 1,239 | 1,292 | 1,379 | 1,458 | 1,451 | 1,586 | 1,539 | 1,041 | 1,414 | 1,733 | 2,315 |
| Northeastern Illinois U. | 449 | 448 | 311 | ne | ne | 588 | ne | ne | 1,403 | 2,442 | 2,478 | 2,018 | 1,913 | 2,224 | 2,262 |
| Lamar U. | 450 | 4,377 | 4,036 | 3,072 | 1,616 | 1,118 | 352 | 611 | 949 | 1,380 | 2,641 | 2,146 | 1,873 | 1,180 | 2,259 |
| Dine C. | 451 | ne | 959 | i ne | ne | ne | ne | ne | ne | 1,238 | 1,126 | 347 | ne | 2,091 | 2,255 |
| Clark U. | 452 | 3,243 | 3,801 | 3,141 | 2,848 | 2,751 | 2,515 | 2,002 | 2,513 | 2,962 | 3,495 | 3,350 | 2,754 | 2,500 | 2,235 |
| U. New Haven | 453 | ne | 1,592 | 2,471 | 1,400 | 954 | i 507 | 2,157 | 548 | 3,853 | 2,786 | 1,440 | 2,069 | 2,447 | 2,227 |
| Trinity U. | 454 | 1,023 | 1,046 | 1,222 | 2,034 | 1,544 | 1,183 | 973 | 986 | 1,187 | 924 | 1,207 | 1,078 | 1,345 | 2,203 |
| Bowdoin C. | 455 | 1,815 | 1,942 | 3,317 | 3,244 | 2,330 | 2,156 | 2,457 | 1,812 | 2,065 | 1,790 | 1,862 | 1,836 | 1,867 | 2,186 |
| U. Ana G. Mendez, Gurabo | 456 | 691 | 1,054 | 1,034 | 747 | 1,111 | 447 | 437 | 428 | 471 | 951 | 946 | 926 | 1,407 | 2,132 |
| Toyota Technological Institute, Chicago | 457 | ne | 496 | ne | ne | ne | 1,392 | 1,410 | 1,581 | 1,759 | 1,934 | 3,038 | 3,090 | 2,199 | 2,127 |
| West Texas A&M U. | 458 | 2,100 | 1,347 | 1,802 | 1,315 | 1,551 | 1,860 | 1,735 | 1,338 | 1,329 | 1,565 | 1,542 | 2,195 | 2,123 | 2,118 |
| U. Wisconsin-Stevens Point | 459 | 4,456 | 3,754 | i 3,052 | 2,131 | 1,740 | i 1,349 | i 957 | 1,266 | i 1,575 | i 1,884 | i 2,193 | 1,776 | 1,235 | 2,079 |
| U. Central Oklahoma | 460 | 1,059 | 1,146 | 750 | 765 | 1,042 | 3,193 | 1,409 | 1,168 | 1,127 | 1,457 | 1,444 | i 1,516 | i 1,869 | i 2,071 |
| Murray State U. | 461 | 2,074 | 2,471 | 1,904 | 816 | 612 | 798 | 564 | 1,200 | 1,587 | 2,639 | 1,929 | 2,721 | 2,176 | 2,058 |
| Christopher Newport U. | 462 | 1,049 | 1,587 | 1,230 | 1,083 | 1,302 | 1,041 | 858 | 957 | 1,069 | 1,285 | 1,365 | 1,497 | 1,701 | 2,055 |
| Hofstra U. | 463 | 2,206 | 2,182 | 2,660 | 1,967 | 2,577 | 2,119 | 2,149 | 1,471 | 1,275 | 1,296 | 997 | 1,266 | 2,118 | 1,995 |
| Long Island U. | 464 | 630 | i 681 | i 666 | i 655 | ne | ne | 852 | 1,615 | 1,929 | 1,839 | 1,349 | 2,686 | 2,652 | 1,993 |
| Roger Williams U. | 465 | 1,574 | 2,132 | 2,166 | 1,877 | 2,038 | 1,696 | 1,736 | 2,024 | 1,052 | 1,135 | 1,045 | 1,202 | 1,351 | 1,973 |
| Harvey Mudd C. | 466 | 2,049 | 2,594 | 2,038 | 2,004 | 1,457 | 1,633 | 2,320 | 1,521 | 1,762 | 1,619 | 1,748 | 1,443 | 1,956 | 1,968 |
| Texas A&M International U. | 467 | 1,623 | 1,195 | 989 | 868 | 977 | 658 | 924 | 1,730 | 2,008 | 1,847 | 986 | 1,243 | 1,624 | 1,966 |
| Alfred U. | 468 | 1,687 | 2,004 | 1,648 | 1,468 | 1,351 | 1,434 | 1,558 | 917 | 1,416 | 1,580 | 947 | 939 | 1,008 | 1,958 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--------------------------------------|------|--------|---------|---------|---------|--------|-------|--------|-------|-------|-------|-------|-------|---------|---------|
| New England C. of Optometry | 469 | 726 | 1,236 | 1,685 | 1,588 | 533 | 419 | 618 | ne | 837 | 928 | 785 | 1,623 | 1,609 | 1,946 |
| Hawaii Pacific U. | 470 | ne | 1,261 | 1,145 | 850 | 1,116 | 789 | 2,071 | 1,921 | 1,905 | 1,809 | 1,699 | 1,741 | 2,667 | 1,942 |
| Texas A&M U.-Commerce | 471 | 1,362 | 1,557 | 1,600 | 1,349 | 1,234 | 1,121 | 876 | 823 | 1,159 | 836 | 1,226 | 1,283 | 1,776 | 1,936 |
| Black Hills State U. | 472 | 2,434 | 1,172 | 1,675 | 2,163 | 1,720 | 1,674 | 2,056 | 1,448 | 1,437 | 1,535 | 1,287 | 1,124 | 1,676 | 1,918 |
| CUNY, Baruch C. | 473 | 1,010 | 1,150 | 1,209 | 735 | 695 | 845 | 1,325 | 1,027 | 1,412 | 1,359 | 1,470 | 1,691 | 1,894 | 1,879 |
| Kean U. | 474 | ne | 550 | 1,191 | 347 | ne | 244 | 323 | ne | ne | ne | 775 | 362 | 715 | 1,870 |
| Coastal Carolina U. | 475 | 1,533 | 1,487 | 1,598 | 1,714 | 1,281 | 1,041 | 1,052 | 1,028 | 1,031 | 1,294 | 1,211 | 948 | 1,130 | 1,847 |
| Fayetteville State U. | 475 | 10,844 | 10,029 | 11,187 | 11,906 | 10,186 | 9,243 | 11,207 | 2,322 | 2,445 | 2,168 | 1,008 | 1,988 | 1,667 | 1,847 |
| U. Central Arkansas | 477 | 1,658 | 1,732 | 1,989 | 1,898 | 1,297 | 1,300 | 1,138 | 1,236 | 1,262 | 1,462 | 1,421 | 1,640 | 1,731 | 1,824 |
| U. Puerto Rico, Humacao | 478 | 1,950 | i 1,976 | 1,949 | 1,452 | 1,102 | 669 | ne | ne | 882 | 828 | 1,279 | 1,137 | 1,160 | 1,822 |
| Grand Valley State U. | 479 | 1,134 | i 1,648 | i 2,162 | i 2,675 | 2,151 | 2,033 | 1,479 | 1,543 | 1,719 | 1,663 | 1,831 | 1,415 | 1,819 | 1,808 |
| Lawrence Technological U. | 480 | 3,144 | 2,615 | 1,108 | 988 | 739 | 976 | 658 | 767 | 479 | 304 | 405 | 284 | 1,109 | 1,786 |
| California State U., Channel Islands | 481 | ne | 451 | ne | 425 | 528 | 825 | 249 | 142 | 284 | 500 | 553 | 993 | 1,638 | 1,773 |
| C. New Jersey | 482 | 461 | 254 | ne | ne | ne | ne | ne | 929 | 829 | ne | 951 | 1,079 | 1,984 | 1,755 |
| U. Nebraska, Kearney | 483 | 289 | 1,018 | 716 | 840 | 656 | 515 | 891 | 1,047 | 1,075 | 1,240 | 1,259 | 1,327 | 1,900 | 1,739 |
| Morehead State U. | 484 | 1,528 | 1,656 | 1,597 | 1,816 | 1,069 | 1,217 | 1,797 | 2,162 | 1,839 | 1,651 | 1,674 | 1,727 | 2,086 | 1,718 |
| Nevada State C. | 485 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 1,167 | 1,711 |
| U. Northern Colorado | 486 | 2,082 | 1,681 | 1,373 | 1,024 | 1,965 | 1,359 | 1,962 | 2,349 | 2,271 | 1,966 | 1,853 | 1,942 | 1,692 | 1,705 |
| Indiana U. Pennsylvania | 487 | 660 | 833 | 672 | 101 | 169 | ne | 373 | 1,309 | 891 | 1,810 | 1,309 | 1,503 | 1,797 | 1,702 |
| Albany State U. | 488 | 396 | 893 | 2,000 | 1,532 | 1,271 | 1,128 | 1,137 | 1,026 | 839 | 1,065 | 836 | 552 | ne | 1,681 |
| Savannah State U. | 489 | 1,774 | 2,518 | 1,874 | 2,514 | 2,127 | 1,796 | 2,251 | 1,390 | 1,778 | 1,709 | 1,804 | 1,804 | 1,881 | 1,675 |
| Utah Valley U. | 490 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 1,280 | 1,671 |
| Benedict C. | 491 | 1,473 | 2,925 | 2,713 | 2,625 | 2,443 | 1,373 | 1,621 | 1,634 | 1,889 | 1,226 | 635 | ne | ne | 1,665 |
| U. Louisiana, Monroe | 492 | 1,470 | 1,971 | 1,752 | 976 | 1,705 | 1,479 | 2,016 | 1,838 | 1,789 | 1,949 | 2,025 | 1,465 | 1,993 | 1,655 |
| U. Texas, Tyler | 493 | 3,378 | 1,277 | 6,535 | 4,123 | 4,601 | 2,570 | 1,936 | 708 | 719 | 813 | 774 | 929 | 1,585 | 1,652 |
| SUNY, Buffalo State U. | 494 | 1,293 | 1,965 | 2,348 | 1,336 | 1,076 | 846 | 859 | 877 | 1,057 | 1,225 | 1,241 | 977 | 1,299 | 1,615 |
| Mount Holyoke C. | 495 | 1,362 | 2,010 | 1,827 | 1,863 | 2,435 | 2,327 | 2,848 | 3,168 | 2,210 | 2,074 | 1,442 | 1,539 | 1,511 | 1,612 |
| Western Carolina U. | 496 | 1,296 | 721 | 974 | 664 | 669 | 740 | 873 | 971 | 1,038 | 1,736 | 1,707 | 1,697 | 1,727 | 1,600 |
| Pittsburg State U. | 497 | 999 | 1,280 | 989 | 791 | 1,023 | 453 | 270 | 316 | 195 | 339 | 477 | 759 | 1,167 | 1,591 |
| Sul Ross State U. | 498 | 1,595 | 1,672 | 1,073 | 735 | 546 | 333 | 272 | 440 | 553 | 339 | 481 | 843 | i 1,205 | i 1,568 |
| Johnson C. Smith U. | 499 | ne | ne | ne | ne | ne | ne | 1,279 | 1,469 | 2,003 | 1,909 | 2,230 | 2,049 | i 1,868 | 1,554 |
| Virginia Military Institute | 500 | 451 | 133 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 1,137 | 1,534 |
| Colgate U. | 501 | 1,519 | 1,058 | 1,497 | 1,320 | 1,153 | 1,109 | 1,217 | 1,096 | 1,389 | 1,202 | 918 | 1,440 | 1,570 | 1,521 |
| CUNY, York C. | 502 | ne | 1,507 | 861 | 693 | ne | 534 | ne | ne | ne | 1,511 | 1,513 | 922 | 1,659 | 1,504 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | | | | | | |
|---|------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Palmer C. of Chiropractic, Davenport | 503 | 3,009 | 3,344 | 2,906 | 1,991 | 1,775 | i | 1,558 | 1,485 | 1,189 | 1,100 | 1,100 | 1,400 | 1,733 | 1,550 | 1,500 | | | | | |
| U. Houston-Downtown | 504 | 908 | 1,186 | 1,828 | 1,183 | 1,800 | | 1,571 | 1,165 | 1,710 | 1,836 | 1,437 | 1,392 | 1,169 | 903 | 1,495 | | | | | |
| Lake Superior State U. | 505 | ne | 133 | ne | ne | ne | | 327 | 272 | 726 | 237 | ne | ne | ne | 1,184 | 1,475 | | | | | |
| Franklin and Marshall C. | 506 | 1,857 | 1,397 | 1,116 | 879 | 889 | | 1,017 | 955 | 1,732 | 1,760 | 1,582 | 1,202 | 1,363 | 1,680 | 1,469 | | | | | |
| U. Alaska, Southeast | 507 | 1,222 | 941 | 1,003 | 1,113 | 1,183 | | 1,341 | 1,502 | 1,480 | 1,636 | 1,235 | 1,098 | 1,046 | 1,392 | 1,463 | | | | | |
| Bates C. | 508 | 971 | 1,485 | 1,555 | 1,390 | 1,114 | | 2,004 | 1,156 | 1,053 | 1,121 | 1,607 | 1,885 | 2,079 | 1,785 | 1,455 | | | | | |
| Williams C. | 508 | 2,330 | 2,117 | 2,029 | 1,498 | 1,029 | | 1,700 | 1,614 | 1,703 | 1,458 | 1,131 | 1,086 | i | 1,152 | i | 1,286 | i | 1,455 | i | |
| Southern Connecticut State U. | 510 | 1,459 | 1,199 | 1,595 | 1,176 | 1,620 | | 1,626 | 1,324 | 1,274 | 823 | 803 | 1,026 | 713 | 848 | 1,433 | | | | | |
| Ferris State U. | 511 | ne | ne | ne | ne | ne | | ne | ne | ne | ne | ne | ne | ne | ne | 1,430 | | | | | |
| Claremont Graduate U. | 512 | 5,888 | 5,215 | 8,875 | 8,452 | 7,358 | i | 6,264 | i | 5,170 | i | 4,076 | i | 2,982 | i | 1,886 | 809 | 1,152 | 1,610 | 1,422 | |
| Claflin U. | 513 | 3,226 | 5,103 | 5,090 | 2,643 | 1,711 | | 1,158 | 1,743 | 1,344 | 1,491 | 1,735 | 1,907 | 1,005 | 1,179 | 1,418 | | | | | |
| Austin Peay State U. | 514 | ne | 729 | 484 | 364 | 189 | | 334 | 325 | 347 | 599 | 295 | 475 | 597 | 870 | 1,401 | | | | | |
| West Chester U. Pennsylvania | 515 | 3,614 | i | 5,845 | 1,457 | 561 | | 404 | 511 | 454 | 624 | 671 | 715 | 724 | 608 | 854 | 1,386 | | | | |
| U. Richmond | 516 | 2,138 | 1,831 | 2,376 | 1,979 | 2,134 | | 2,013 | 1,924 | 1,870 | 1,628 | 1,575 | 1,628 | 1,534 | 1,624 | 1,379 | | | | | |
| Oregon Institute of Technology | 517 | ne | 193 | ne | ne | ne | | 270 | 1,268 | 752 | i | 235 | 437 | 326 | 252 | 340 | 1,375 | | | | |
| Norwich U. | 518 | ne | 1,064 | 733 | 878 | 831 | | 1,121 | 461 | 480 | ne | ne | ne | ne | ne | 1,366 | | | | | |
| Southeastern Louisiana U. | 518 | 1,161 | 911 | 985 | 1,039 | 692 | | 1,429 | 975 | 1,215 | 1,046 | 803 | 884 | 795 | 1,285 | 1,366 | | | | | |
| Davidson C. | 520 | 1,153 | 1,053 | 651 | 1,619 | 1,170 | | 1,703 | 813 | 1,105 | 813 | 973 | 1,411 | 1,151 | 1,370 | 1,340 | | | | | |
| New School | 521 | 1,670 | 2,042 | 2,385 | 2,669 | 1,972 | | 2,300 | 2,428 | 2,345 | 1,857 | 1,819 | 1,050 | 1,324 | 1,261 | 1,337 | | | | | |
| United Tribes Technical C. | 521 | ne | ne | ne | ne | ne | | ne | ne | ne | ne | ne | ne | ne | ne | 1,337 | | | | | |
| U. Oklahoma, Tulsa | 523 | ne | ne | ne | ne | ne | | 895 | 1,104 | 976 | 1,605 | 1,803 | 1,953 | 1,267 | 1,804 | 1,328 | | | | | |
| Furman U. | 524 | 1,332 | 1,111 | 1,164 | 1,217 | 891 | | 1,136 | 1,068 | 1,292 | 1,110 | 1,106 | 847 | 1,028 | 1,280 | 1,300 | | | | | |
| U. of the Pacific | 524 | 3,135 | 2,678 | 2,090 | 1,676 | 2,675 | | 1,751 | 1,991 | 1,474 | 2,141 | 2,158 | 1,375 | 1,106 | 1,351 | 1,300 | | | | | |
| U. Puget Sound | 524 | 166 | 295 | ne | ne | ne | | ne | ne | 459 | ne | ne | 401 | ne | 780 | 1,300 | | | | | |
| SUNY, Geneseo | 527 | 755 | 1,306 | 1,532 | 640 | 474 | | 663 | 930 | 992 | 998 | 1,206 | 950 | 1,273 | 1,564 | 1,292 | | | | | |
| Bryn Mawr C. | 528 | 1,301 | 1,901 | 1,848 | 2,514 | 1,353 | | 1,713 | 2,556 | 2,507 | 2,242 | 1,801 | 1,531 | 1,429 | 1,257 | 1,289 | | | | | |
| Skidmore C. | 529 | 1,872 | 1,562 | 1,334 | 1,448 | 1,193 | | 969 | 747 | 1,194 | 1,893 | 2,261 | 1,827 | 1,739 | 861 | 1,288 | | | | | |
| Touro U., California | 530 | 999 | 1,558 | 1,390 | 1,351 | 1,374 | | 1,332 | 1,199 | 1,196 | 1,410 | 1,540 | 1,558 | 1,377 | 964 | 1,279 | | | | | |
| U. Houston-Clear Lake | 531 | 301 | 818 | 730 | 875 | 739 | | 541 | 756 | 753 | 894 | 718 | 632 | 865 | 841 | 1,273 | | | | | |
| U. Hartford | 532 | 820 | 1,576 | 1,505 | 1,175 | 1,080 | | 1,089 | 1,172 | 1,178 | 591 | 1,019 | 854 | 766 | 886 | 1,269 | | | | | |
| Albany C. of Pharmacy and Health Sciences | 533 | 1,380 | 1,634 | 1,182 | 1,333 | 1,643 | | 1,065 | 380 | 566 | 1,094 | 1,692 | 1,938 | 1,900 | 1,110 | 1,256 | i | | | | |
| U. Wisconsin-Oshkosh | 534 | 832 | 1,154 | 1,238 | 1,012 | 1,048 | i | 1,084 | i | ne | 1,113 | i | 1,106 | i | 1,099 | i | 1,092 | i | 1,083 | 1,336 | 1,249 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|-------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| St. Olaf C. | 568 | 1,247 | 843 | 1,220 | 955 | 760 | 668 | 849 | 797 | 333 | 255 | 230 | 271 | ne | 933 |
| Marian U., Indianapolis | 569 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 918 |
| East Stroudsburg U. Pennsylvania | 570 | ne | 250 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 598 | 909 |
| Minnesota State U., Mankato | 571 | 2,051 | 852 | 701 | 313 | 317 | 546 | 1,260 | 605 | 639 | 708 | 525 | 575 | 575 | 905 |
| SUNY, Oswego | 572 | 644 | 871 | ne | 673 | ne | ne | ne | 669 | 661 | 628 | 492 | 415 | 544 | 894 |
| Suffolk U. | 573 | ne | 299 | 249 | 360 | 317 | 250 | 413 | 576 | ne | ne | 844 | 634 | 340 | 893 |
| Merrimack C. | 574 | ne | ne | ne | ne | ne | ne | ne | ne | 353 | ne | 306 | ne | ne | 892 |
| U. South Carolina, Beaufort | 575 | 338 | 675 | ne | ne | ne | 478 | ne | ne | ne | ne | ne | ne | ne | 889 |
| Northland C. | 576 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 697 | 778 | 880 |
| Oberlin C. | 576 | 1,359 | 1,183 | 1,330 | 1,204 | 1,204 | 1,364 | 962 | 1,558 | 1,096 | 1,576 | 743 | 505 | ne | 880 |
| U. Scranton | 578 | 19 | 64 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 866 |
| National U. of Natural Medicine | 579 | ne | 247 | ne | ne | ne | ne | ne | 427 | ne | 760 | 912 | 523 | ne | 862 |
| Calvin U. | 580 | 2,084 | 560 | 664 | 774 | 1,273 | 1,034 | 795 | 880 | 1,363 | 925 | 927 | 929 | 931 | 854 |
| Northwestern State U. Louisiana | 581 | 635 | 683 | 609 | 600 | 494 | ne | 490 | 458 | 490 | 579 | 598 | 738 | 742 | 822 |
| SUNY, C. Brockport | 582 | 521 | 677 | 989 | 755 | 564 | 535 | 639 | 747 | 672 | 638 | 781 | 500 | 751 | 813 |
| Bentley U. | 583 | ne | ne | ne | ne | ne | ne | ne | 110 | ne | ne | ne | ne | 509 | 802 |
| Eastern Kentucky U. | 584 | 2,638 | 2,852 | 2,329 | 2,078 | 1,518 | 1,111 | 1,029 | 758 | 655 | 598 | 554 | 530 | ne | 798 |
| Rhode Island C. | 585 | ne | 2,404 | 9,060 | 8,976 | 6,960 | 7,258 | 3,928 | 3,831 | 3,337 | 3,332 | 4,128 | 4,894 | 5,372 | 786 |
| U. South Carolina, Aiken | 586 | 122 | 592 | ne | 937 | 759 | 689 | 1,155 | 2,697 | 2,437 | 2,379 | 2,328 | 1,884 | 857 | 782 |
| Lewis and Clark C. | 587 | 843 | 684 | 718 | 1,490 | 1,378 | 872 | 636 | 723 | 848 | 931 | 1,268 | 702 | 746 | 776 |
| Arcadia U. | 588 | 1,206 | 1,621 | 620 | ne | ne | ne | ne | ne | ne | ne | ne | 371 | ne | 772 |
| Monmouth U. | 589 | 2,190 | 1,873 | 714 | ne | 635 | ne | 173 | ne | ne | 120 | 110 | 174 | 535 | 762 |
| U. Puerto Rico, Cayey | 590 | 710 | 1,278 | 1,515 | 1,168 | 1,143 | 959 | 1,105 | 704 | 632 | 963 | 1,210 | 1,202 | 757 | 733 |
| SUNY, Cobleskill | 591 | 1,382 | 909 | ne | 874 | ne | ne | ne | ne | ne | ne | ne | ne | 379 | 730 |
| Union C., Schenectady | 592 | 1,427 | 959 | 867 | 1,863 | 1,385 | 1,080 | 1,680 | 554 | 885 | 972 | 462 | 976 | 750 | 729 |
| Milwaukee School of Engineering | 593 | 1,177 | 1,181 | 1,207 | 1,245 | 1,500 | 1,335 | 1,164 | 775 | 680 | 764 | 613 | 751 | 969 | 722 |
| U. Wisconsin-La Crosse | 594 | 2,150 | 2,013 | 1,876 | 1,240 | 1,095 | 1,006 | 1,250 | 1,158 | 1,171 | 777 | 817 | 895 | 968 | 714 |
| Framingham State U. | 595 | ne | ne | ne | ne | ne | ne | ne | 4 | 17 | ne | 179 | 352 | 525 | 700 |
| St. Cloud State U. | 596 | 1,260 | 622 | 215 | 420 | 797 | 1,299 | 643 | 555 | 529 | 733 | 459 | 577 | 401 | 689 |
| Stockton U. | 597 | ne | 405 | 160 | ne | 380 | 198 | 221 | ne | 246 | 553 | 872 | 486 | 728 | 688 |
| Trinity C., Hartford | 598 | 1,026 | 1,217 | 1,432 | 1,040 | 1,313 | 889 | 893 | 2,084 | 794 | 1,077 | 1,019 | 1,348 | 1,049 | 687 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|--|------|-------|-------|-------|------|-------|-------|-------|-------|-------|------|------|-------|-------|------|
| Edward Via C. of Osteopathic Medicine | 599 | ne | 707 | 502 | 517 | 250 | 89 | 88 | 94 | 195 | 749 | 566 | 537 | 482 | 678 |
| Pepperdine U. | 600 | 933 | 299 | 808 | 914 | 1,162 | 1,058 | 1,233 | 1,087 | 713 | 914 | 693 | 835 | 883 | 674 |
| Robert Morris U. | 601 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 605 | 664 |
| Connecticut C. | 602 | 954 | 1,005 | 1,130 | 833 | 514 | 756 | 817 | 777 | 505 | 752 | 483 | 439 | 620 | 648 |
| Franklin W. Olin C. of Engineering | 603 | ne | 666 | 1,090 | 946 | 1,050 | 1,103 | 782 | 588 | 472 | 162 | 293 | 636 | 809 | 641 |
| Sacred Heart U. | 604 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 675 | ne | 639 |
| Alaska Pacific U. | 605 | 283 | 349 | ne | ne | ne | 802 | 671 | 665 | 436 | 451 | 148 | 189 | 581 | 627 |
| Colorado C. | 606 | 473 | 458 | 389 | 376 | 570 | 602 | 358 | 745 | 429 | 324 | 196 | 3,725 | 1,371 | 611 |
| C. Wooster | 607 | 249 | 512 | 183 | ne | 404 | 386 | ne | 736 | 744 | 456 | 283 | 510 | 737 | 594 |
| Northern Michigan U. | 608 | 287 | 237 | ne | ne | ne | ne | 288 | 304 | 354 | 311 | 446 | 366 | 571 | 560 |
| Des Moines U. | 609 | 62 | 91 | ne | ne | 224 | ne | 386 | 878 | 933 | 845 | 449 | 1,019 | 1,589 | 556 |
| U. Wisconsin-River Falls | 610 | 134 | 174 | ne | ne | ne | ne | ne | 529 | 445 | ne | 488 | 212 | ne | 551 |
| Western New England U. | 611 | ne | 931 | 325 | ne | ne | ne | 581 | 214 | ne | ne | ne | ne | 648 | 538 |
| Southern U., New Orleans | 612 | 369 | 650 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 536 |
| Liberty U. | 613 | ne | ne | ne | ne | ne | ne | ne | ne | ne | 535 | 886 | 120 | ne | 532 |
| U. of St. Thomas (MN) | 614 | 842 | 933 | 767 | 702 | 352 | ne | 195 | 212 | 320 | 313 | 450 | 1,321 | 527 | 531 |
| Gettysburg C. | 615 | 524 | 266 | ne | ne | ne | ne | ne | 597 | 901 | 841 | 320 | ne | ne | 517 |
| U. Puerto Rico, Ponce | 616 | ne | 130 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 510 |
| West Virginia School of Osteopathic Medicine | 617 | 22 | 17 | ne | ne | ne | ne | ne | ne | ne | ne | 419 | 423 | 468 | 500 |
| Willamette U. | 618 | 666 | 650 | 1,327 | 822 | 860 | 745 | 1,090 | 1,028 | 872 | 549 | 401 | 896 | 791 | 490 |
| Elon U. | 619 | ne | 40 | 112 | 161 | 398 | 376 | 423 | 358 | 309 | 284 | 106 | 138 | 428 | 479 |
| U. North Georgia | 620 | ne | ne | ne | ne | ne | ne | ne | 671 | 1,013 | 637 | 542 | 497 | 734 | 477 |
| Gustavus Adolphus C. | 621 | 97 | 109 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 467 |
| U. Wisconsin-Platteville | 622 | 46 | 50 | ne | ne | 328 | 309 | ne | 349 | ne | 339 | 336 | 353 | 435 | 465 |
| Ithaca C. | 623 | 617 | 627 | 774 | 825 | 816 | 635 | ne | ne | ne | ne | 981 | 685 | 703 | 453 |
| Whitman C. | 624 | 1,080 | 957 | 398 | ne | ne | ne | ne | ne | ne | 704 | 558 | ne | 434 | 449 |
| U. Virginia's C. Wise | 625 | 76 | 38 | ne | ne | ne | ne | ne | ne | ne | ne | ne | 1,307 | 786 | 447 |
| Andrews U. | 626 | 280 | 77 | ne | ne | ne | ne | ne | ne | ne | 278 | 263 | 256 | ne | 445 |
| Philadelphia C. of Osteopathic Medicine | 627 | 812 | 850 | 694 | 277 | 104 | 192 | 150 | 260 | 260 | 346 | 422 | 318 | 40 | 442 |
| Bryant U. | 628 | ne | 143 | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | ne | 436 |
| Marshall B. Ketchum U. | 629 | ne | ne | ne | ne | 48 | 224 | 375 | 368 | 354 | 336 | 323 | 343 | 383 | 433 |
| Lincoln U. | 630 | 1,114 | 1,336 | 1,313 | 861 | ne | ne | ne | ne | 645 | ne | ne | ne | ne | 430 |
| Wheaton C., Wheaton | 631 | ne | 585 | 114 | ne | 178 | 193 | ne | 70 | 50 | 301 | 324 | 148 | ne | 428 |

TABLE 24

Federally financed higher education R&D expenditures, ranked by FY 2023 R&D expenditures: FYs 2010–23

(Dollars in thousands)

| Institution | Rank | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 |
|---------------------------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|------|
| All other surveyed institutions | - | 1,316,084 | 1,478,130 | 1,445,174 | 1,340,553 | 1,109,650 | 1,076,097 | 1,116,223 | 1,161,725 | 1,239,166 | 649,512 | 617,124 | 266,913 | 254,840 | 0 |

i = imputed. na = not applicable; institution did not exist or did not exist as a separate entity. ne = not eligible; institution did not meet the criteria for inclusion.

^a Johns Hopkins University includes the Applied Physics Laboratory, with \$2,268,228 thousand in federally financed R&D expenditures in FY 2023.

^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.

^c The University of Colorado Denver and University of Colorado Anschutz Medical Center report to the survey separately. Prior to FY 2021, expenditures were reported together under University of Colorado Denver and Anschutz Medical Campus.

^d The University of Nebraska, Lincoln and Medical Center includes expenditures from the University of Nebraska, Lincoln; University of Nebraska, Medical Center; and University of Nebraska, Central Administration campuses. Due to a realignment within the University of Nebraska system that occurred on 22 June 2023, the three campuses fall under the leadership of one president. Prior to FY 2023, these three campuses reported to the survey as separate institutions.

^e The University of South Florida includes expenditures from the University of South Florida, Tampa; University of South Florida, Saint Petersburg; and University of South Florida, Sarasota-Manatee campuses. Due to the consolidation of the three campuses that occurred on 1 July 2020, University of South Florida, Saint Petersburg and University of South Florida, Sarasota-Manatee began reporting with the University of South Florida, Tampa as the University of South Florida. Prior to FY 2021, all three campuses reported to the survey as separate institutions.

^f The University of Tennessee, Knoxville includes expenditures from the University of Tennessee Institute of Agriculture. Due to a reorganization within the University of Tennessee system, the Institute of Agriculture now falls under the leadership of the University of Tennessee, Knoxville chancellor. Prior to FY 2020, the University of Tennessee, Knoxville, Institute of Agriculture reported to the survey separately.

^g Touro University, New York includes the Lovelace Biomedical Research Institute. In FY 2023, the Lovelace Biomedical Research Institute joined the Touro University System.

Note(s):

Institutions reporting zero federal expenditures for FY 2023 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.