

Table B-45. Federally financed R&D expenditures at private universities and colleges, by science and engineering field: fiscal year 2001

[Dollars in thousands]

| Institution and ranking | Total | Engineering | Physical sciences | Environmental sciences | Math & computer sciences | Life sciences | Psychology | Social sciences | Other sciences |
|--------------------------------------|-----------|-------------|-------------------|------------------------|--------------------------|---------------|------------|-----------------|----------------|
| Total, all institutions | 7,495,911 | 1,020,524 | 789,674 | 279,764 | 415,414 | 4,690,159 | 115,478 | 133,988 | 50,910 |
| 1 Johns Hopkins U ¹ | 879,741 | 278,116 | 109,309 | 34,923 | 92,941 | 347,565 | 3,691 | 6,613 | 6,583 |
| 2 Stanford University | 384,468 | 92,036 | 48,502 | 5,926 | 17,145 | 214,486 | 3,880 | 2,493 | 0 |
| 3 U of Pennsylvania | 351,996 | 10,666 | 21,681 | 164 | 8,672 | 296,706 | 3,050 | 8,997 | 2,060 |
| 4 Columbia U in City of NY | 317,928 | 13,852 | 33,143 | 44,889 | 6,062 | 212,271 | 3,268 | 4,312 | 131 |
| 5 MA Institute of Tech | 304,319 | 102,226 | 89,881 | 18,652 | 27,496 | 59,054 | 1,326 | 1,840 | 3,844 |
| 6 Harvard University | 300,414 | 4,156 | 31,346 | 12,415 | 3,399 | 232,400 | 3,648 | 13,050 | 0 |
| 7 Washington University | 284,928 | 4,247 | 9,644 | 2,508 | 6,822 | 256,345 | 1,864 | 3,498 | 0 |
| 8 Yale University | 250,702 | 5,887 | 17,867 | 1,836 | 5,091 | 215,209 | 3,978 | 834 | 0 |
| 9 U of Southern California | 246,207 | 37,144 | 6,910 | 10,499 | 63,695 | 120,682 | 3,895 | 2,996 | 386 |
| 10 Cornell University | 240,466 | 29,776 | 44,655 | 1,722 | 13,967 | 144,510 | 1,942 | 3,894 | 0 |
| Total, 1st 10 institutions | 3,561,169 | 578,106 | 412,938 | 133,534 | 245,290 | 2,099,228 | 30,542 | 48,527 | 13,004 |
| 11 Baylor Col of Medicine | 234,394 | 0 | 0 | 0 | 0 | 234,394 | 0 | 0 | 0 |
| 12 Duke University | 218,109 | 12,075 | 10,799 | 4,719 | 4,495 | 171,792 | 3,184 | 11,045 | 0 |
| 13 California Inst of Tech | 193,554 | 41,810 | 103,362 | 10,319 | 4,687 | 31,553 | 0 | 726 | 1,097 |
| 14 Emory University | 170,317 | 0 | 6,350 | 0 | 397 | 162,073 | 1,027 | 470 | 0 |
| 15 University of Rochester | 166,945 | 41,036 | 11,298 | 725 | 2,464 | 104,254 | 6,508 | 660 | 0 |
| 16 Case Western Reserve U | 158,852 | 16,639 | 5,361 | 340 | 222 | 133,371 | 651 | 2,268 | 0 |
| 17 Northwestern University | 158,129 | 28,746 | 15,507 | 601 | 2,815 | 104,710 | 2,305 | 3,402 | 43 |
| 18 University of Chicago | 155,566 | 0 | 27,664 | 4,148 | 2,487 | 115,766 | 2,588 | 2,913 | 0 |
| 19 Boston University | 150,771 | 16,275 | 12,961 | 2,960 | 2,941 | 100,993 | 4,773 | 1,504 | 8,364 |
| 20 Vanderbilt University | 146,230 | 11,750 | 8,305 | 143 | 908 | 117,681 | 2,643 | 4,468 | 332 |
| Total, 1st 20 institutions | 5,314,036 | 746,437 | 614,545 | 157,489 | 266,706 | 3,375,815 | 54,221 | 75,983 | 22,840 |
| 21 New York University | 129,897 | 0 | 4,165 | 26 | 11,326 | 101,365 | 9,219 | 3,610 | 186 |
| 22 University of Miami | 111,803 | 1,463 | 2,217 | 27,240 | 140 | 70,619 | 7,625 | 2,499 | 0 |
| 23 Mt Sinai Sch Med | 109,344 | 0 | 0 | 0 | 0 | 109,344 | 0 | 0 | 0 |
| 24 Yeshiva University | 107,800 | 0 | 0 | 0 | 0 | 107,800 | 0 | 0 | 0 |
| 25 Carnegie Mellon U | 97,463 | 25,672 | 7,251 | 314 | 44,379 | 8,271 | 4,336 | 6,779 | 461 |
| 26 Georgetown University | 93,626 | 0 | 5,324 | 0 | 200 | 85,315 | 145 | 2,642 | 0 |
| 27 Princeton University | 78,620 | 23,363 | 18,987 | 7,812 | 5,979 | 17,546 | 2,195 | 2,738 | 0 |
| 28 Wake Forest University | 78,021 | 0 | 866 | 0 | 145 | 76,951 | 0 | 0 | 59 |
| 29 Woods Hole Oceanogr Inst | 75,670 | 15,368 | 0 | 60,302 | 0 | 0 | 0 | 0 | 0 |
| 30 Tufts University | 71,669 | 4,217 | 2,384 | 216 | 1,031 | 61,006 | 1,935 | 880 | 0 |
| Total, 1st 30 institutions | 6,267,949 | 816,520 | 655,739 | 253,399 | 329,906 | 4,014,032 | 79,676 | 95,131 | 23,546 |
| 31 Dartmouth College | 69,844 | 10,294 | 2,434 | 782 | 3,673 | 47,443 | 3,473 | 268 | 1,477 |
| 32 Thomas Jefferson U | 64,881 | 0 | 0 | 0 | 0 | 64,881 | 0 | 0 | 0 |
| 33 Medical Col of Wisconsin | 64,003 | 0 | 0 | 0 | 0 | 64,003 | 0 | 0 | 0 |
| 34 Brown University | 58,367 | 9,239 | 5,136 | 3,756 | 7,769 | 29,599 | 1,868 | 1,000 | 0 |
| 35 Tulane University | 55,669 | 3,531 | 1,805 | 715 | 747 | 41,666 | 60 | 3,345 | 3,800 |
| 36 Rockefeller U, The | 55,362 | 0 | 2,594 | 0 | 1,451 | 51,317 | 0 | 0 | 0 |
| 37 George Washington U | 51,757 | 8,371 | 2,399 | 134 | 13,644 | 23,062 | 949 | 2,383 | 815 |
| 38 Rush University | 37,301 | 0 | 0 | 0 | 0 | 36,405 | 896 | 0 | 0 |
| 39 Rice University | 35,682 | 7,007 | 10,359 | 1,101 | 10,836 | 5,105 | 654 | 620 | 0 |
| 40 University of Dayton | 34,102 | 32,310 | 1,267 | 172 | 137 | 207 | 9 | 0 | 0 |
| Total, 1st 40 institutions | 6,794,917 | 887,272 | 681,733 | 260,059 | 368,163 | 4,377,720 | 87,585 | 102,747 | 29,638 |
| 41 Syracuse University | 30,036 | 5,848 | 4,548 | 844 | 3,242 | 2,163 | 1,250 | 3,418 | 8,723 |
| 42 Brandeis University | 30,031 | 0 | 3,721 | 0 | 1,631 | 17,263 | 1,474 | 5,942 | 0 |
| 43 University of Notre Dame | 29,801 | 7,549 | 12,814 | 0 | 1,703 | 5,446 | 1,337 | 620 | 332 |
| 44 Saint Louis University | 28,117 | 0 | 33 | 603 | 206 | 27,229 | 46 | 0 | 0 |
| 45 Howard University | 27,848 | 1,981 | 1,878 | 0 | 2,878 | 18,240 | 1,693 | 1,171 | 7 |
| 46 C R Drew U of Med & Sci | 27,415 | 0 | 0 | 0 | 0 | 27,415 | 0 | 0 | 0 |
| 47 Loyola U of Chicago | 26,474 | 0 | 1,913 | 44 | 163 | 21,694 | 1,415 | 1,245 | 0 |
| 48 Rensselaer Polytech Inst | 25,894 | 18,391 | 3,522 | 1,218 | 2,206 | 520 | 0 | 37 | 0 |
| 49 Northeastern University | 23,532 | 8,842 | 7,318 | 15 | 1,262 | 4,690 | 1,162 | 243 | 0 |
| 50 MCP Hahnemann U | 22,944 | 0 | 0 | 0 | 0 | 22,999 | 345 | 0 | 0 |
| Total, 1st 50 institutions | 7,067,009 | 929,883 | 717,480 | 262,783 | 381,454 | 4,524,979 | 96,307 | 115,423 | 38,700 |

See explanatory information and SOURCE at end of table.

Table B-45. Federally financed R&D expenditures at private universities and colleges, by science and engineering field: fiscal year 2001

[Dollars in thousands]

| Institution and ranking | Total | Engineering | Physical sciences | Environmental sciences | Math & computer sciences | Life sciences | Psychology | Social sciences | Other sciences |
|-------------------------------------|-----------|-------------|-------------------|------------------------|--------------------------|---------------|------------|-----------------|----------------|
| 51 Loma Linda University | 20,494 i | 0 i | 0 i | 0 i | 0 i | 17,367 i | 0 i | 897 i | 2,230 i |
| 52 Drexel University | 20,159 | 16,665 | 1,630 | 407 | 1,138 | 319 | 0 | 0 | 0 |
| 53 Boston College | 20,123 | 0 | 5,725 | 459 | 9,695 | 1,059 | 456 | 2,729 | 0 |
| 54 New York Medical College | 18,344 | 0 | 0 | 0 | 0 | 18,344 | 0 | 0 | 0 |
| 55 Morehouse School of Med | 18,127 | 0 | 0 | 0 | 0 | 18,127 | 0 | 0 | 0 |
| 56 Clark Atlanta University | 14,354 | 2,062 | 3,943 | 0 | 992 | 2,606 | 5 | 543 | 4,203 |
| 57 OGI Schl Sci & Eng OHSU | 14,072 | 918 | 3,205 | 2,719 | 7,230 | 0 | 0 | 0 | 0 |
| 58 Lehigh University | 13,961 | 9,968 | 2,526 | 681 | 25 | 688 | 68 | 5 | 0 |
| 59 Catholic U of America | 13,308 | 1,444 | 10,453 | 0 | 0 | 583 | 778 | 45 | 5 |
| 60 Brigham Young University | 11,659 | 4,941 | 2,454 | 121 | 974 | 2,101 | 266 | 602 | 200 |
| Total, 1st 60 institutions | 7,231,610 | 965,881 | 747,416 | 267,170 | 401,508 | 4,586,173 | 97,880 | 120,244 | 45,338 |
| 61 Eastern VA Med School | 11,389 | 0 | 0 | 0 | 0 | 11,389 | 0 | 0 | 0 |
| 62 Illinois Inst of Tech | 10,917 | 3,003 | 768 | 0 | 548 | 5,824 | 774 | 0 | 0 |
| 63 Meharry Medical College | 10,015 i | 0 i | 0 i | 347 i | 8 i | 9,660 i | 0 i | 0 i | 0 i |
| 64 University of Denver | 9,248 | 428 | 1,813 | 1,256 | 99 | 721 | 2,172 | 2,759 | 0 |
| 65 Mercer University | 9,076 | 8,145 | 256 | 0 | 17 | 625 | 0 | 33 | 0 |
| 66 Albany Medical College | 8,562 | 0 | 0 | 0 | 0 | 8,562 | 0 | 0 | 0 |
| 67 Hampton University | 8,377 | 505 | 6,609 | 878 | 330 | 55 | 0 | 0 | 0 |
| 68 Stevens Inst of Tech | 8,094 | 4,670 e | 1,142 e | 811 e | 288 e | 0 e | 0 e | 1,183 e | 0 e |
| 69 University of Tulsa | 7,341 | 5,099 | 1,222 | 95 | 445 | 344 | 36 | 100 | 0 |
| 70 Creighton University | 7,275 | 0 | 184 | 71 | 0 | 7,020 | 0 | 0 | 0 |
| Total, 1st 70 institutions | 7,321,904 | 987,731 | 759,410 | 270,628 | 403,243 | 4,630,373 | 100,862 | 124,319 | 45,338 |
| 71 Tuskegee University | 7,259 | 750 | 171 | 0 | 0 | 4,982 | 0 | 1,356 | 0 |
| 72 Embry-Riddle Aero Univ | 6,987 | 5,580 | 0 | 712 | 173 | 0 | 0 | 0 | 522 |
| 73 U Ctr'l Del Caribe Esc Med | 6,622 | 0 | 0 | 0 | 0 | 6,622 | 0 | 0 | 0 |
| 74 Finch U Hlth Sci Chicago | 6,256 | 0 | 0 | 0 | 0 | 5,665 | 591 | 0 | 0 |
| 75 Teachers Col, Columbia U | 5,617 | 0 | 0 | 0 | 594 | 860 | 2,480 | 1,683 | 0 |
| 76 Rochester Inst of Tech | 5,612 | 1,467 | 2,578 | 487 | 0 | 1,045 | 16 | 19 | 0 |
| 77 Southern Methodist U | 5,587 | 749 | 865 | 1,955 | 841 | 948 | 165 | 64 | 0 |
| 78 Xavier University of LA | 4,666 | 301 | 1,499 | 0 | 0 | 2,381 | 0 | 0 | 485 |
| 79 Villanova University | 4,520 i | 3,047 i | 924 i | 11 i | 168 i | 280 i | 90 i | 0 i | 0 i |
| 80 Worcester Polytech Inst | 4,506 | 3,321 | 289 | 0 | 709 | 187 | 0 | 0 | 0 |
| Total, 1st 80 institutions | 7,379,536 | 1,002,946 | 765,736 | 273,793 | 405,728 | 4,653,343 | 104,204 | 127,441 | 46,345 |
| 81 Clarkson University | 4,286 | 3,559 | 472 | 0 | 127 | 96 | 32 | 0 | 0 |
| 82 Polytechnic University | 4,063 | 3,328 | 191 | 0 | 544 | 0 | 0 | 0 | 0 |
| 83 Wesleyan University | 3,893 | 0 | 1,664 | 68 | 40 | 1,508 | 537 | 76 | 0 |
| 84 Ponce School of Medicine | 3,736 | 0 i | 0 i | 0 i | 0 i | 3,736 i | 0 i | 0 i | 0 i |
| 85 Wellesley College | 3,446 | 0 | 413 | 24 | 31 | 600 | 8 | 376 | 1,994 |
| 86 Marquette University | 3,309 | 745 | 724 | 0 | 88 | 1,587 | 58 | 107 | 0 |
| 87 Spelman College | 3,262 | 0 | 1,285 | 475 | 34 | 1,405 | 63 | 0 | 0 |
| 88 Inst of Paper Sci & Tech | 2,947 | 2,063 | 884 | 0 | 0 | 0 | 0 | 0 | 0 |
| 89 Texas Christian U | 2,824 | 91 | 297 | 31 | 0 | 3 | 2,382 | 20 | 0 |
| 90 Florida Inst of Tech | 2,614 | 420 | 365 | 689 | 338 | 797 | 5 | 0 | 0 |
| Total, 1st 90 institutions | 7,413,916 | 1,013,152 | 772,031 | 275,080 | 406,930 | 4,663,075 | 107,289 | 128,020 | 48,339 |

See explanatory information and SOURCE at end of table.

Table B-45. Federally financed R&D expenditures at private universities and colleges, by science and engineering field: fiscal year 2001

[Dollars in thousands]

Page 3 of 3

| Institution and ranking | Total | Engi- neering | Physical sciences | Environ- mental sciences | Math & computer sciences | Life sciences | Psy- chology | Social sciences | Other sciences |
|--|-----------|------------------|----------------------|--------------------------------|--------------------------------|------------------|-----------------|--------------------|-------------------|
| 91 Clark University | 2,605 | 0 | 890 | 0 | 0 | 213 | 265 | 1,237 | 0 |
| 92 Fisk University | 2,577 | 0 | 2,568 | 0 | 0 | 9 | 0 | 0 | 0 |
| 93 American University | 1,999 | 0 | 719 | 0 | 225 | 8 | 264 | 783 | 0 |
| 94 Fordham University | 1,980 | 0 | 0 | 19 | 30 | 287 | 1,400 | 244 | 0 |
| 95 Duquesne University | 1,969 | 0 | 600 | 0 | 13 | 1,284 | 4 | 68 | 0 |
| 96 Claflin College | 1,958 | 303 | 208 | 0 | 804 | 643 | 0 | 0 | 0 |
| 97 Morehouse College | 1,843 i | 0 i | 263 i | 0 i | 63 i | 954 i | 257 i | 94 i | 212 i |
| 98 Gallaudet University | 1,768 | 0 | 0 | 0 | 0 | 228 | 130 | 1,410 | 0 |
| 99 Nova Southeastern U | 1,750 | 0 | 0 | 995 | 0 | 292 | 463 | 0 | 0 |
| 100 Ithaca College | 1,653 | 0 | 0 | 0 | 1,375 | 263 | 15 | 0 | 0 |
| Total, 1st 100 institutions | 7,434,018 | 1,013,455 | 777,279 | 276,094 | 409,440 | 4,667,256 | 110,087 | 131,856 | 48,551 |
| Total, all other sampled institutions | 61,893 | 7,069 | 12,395 | 3,670 | 5,974 | 22,903 | 5,391 | 2,132 | 2,359 |

¹ Johns Hopkins University includes the Applied Physics Laboratory.

KEY: e = estimated
i = imputed

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2001