

TABLE 41. Full-time graduate students in science and engineering fields in doctorate-granting institutions, by primary mechanism and primary source of support: 1997–2004

| Primary mechanism and primary source of support | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| All sources | 266,369 | 264,172 | 268,952 | 275,151 | 287,508 | 307,736 | 320,218 | 322,476 |
| Federal | 56,389 | 55,423 | 56,930 | 58,830 | 59,788 | 65,691 | 71,825 | 72,795 |
| DOD | 8,622 | 7,920 | 7,621 | 7,695 | 7,671 | 7,652 | 8,878 | 7,889 |
| DOE ^a | NA | NA | 2,717 | 2,980 | 3,101 | 3,535 | 4,006 | 4,078 |
| HHS | 16,731 | 16,654 | 17,166 | 17,621 | 18,035 | 20,135 | 22,170 | 23,750 |
| NIH | 15,287 | 15,249 | 15,930 | 16,272 | 16,523 | 18,546 | 20,372 | 22,301 |
| Other HHS | 1,444 | 1,405 | 1,236 | 1,349 | 1,512 | 1,589 | 1,798 | 1,449 |
| NASA | 2,537 | 2,587 | 2,505 | 2,720 | 2,772 | 3,037 | 3,175 | 2,882 |
| NSF | 13,230 | 13,295 | 13,678 | 14,442 | 15,239 | 16,938 | 19,065 | 19,759 |
| USDA | 2,599 | 2,420 | 2,569 | 2,566 | 2,682 | 3,022 | 3,387 | 3,439 |
| Other ^a | 12,670 | 12,547 | 10,674 | 10,806 | 10,288 | 11,372 | 11,144 | 10,998 |
| Institutional | 115,450 | 115,058 | 118,342 | 118,246 | 125,277 | 131,853 | 135,024 | 136,628 |
| Other nonfederal | 22,825 | 23,955 | 23,535 | 25,023 | 25,312 | 25,855 | 26,100 | 24,613 |
| Domestic | 18,491 | 20,152 | 20,055 | 21,565 | 21,996 | 22,868 | 23,381 | 22,070 |
| Foreign | 4,334 | 3,803 | 3,480 | 3,458 | 3,316 | 2,987 | 2,719 | 2,543 |
| Self-support | 71,705 | 69,736 | 70,145 | 73,052 | 77,131 | 84,337 | 87,269 | 88,440 |
| Fellowships | 26,087 | 26,248 | 27,078 | 28,090 | 29,304 | 31,650 | 31,360 | 32,045 |
| Federal | 6,216 | 6,307 | 6,552 | 6,586 | 6,549 | 7,069 | 6,912 | 7,301 |
| DOD | 521 | 536 | 485 | 540 | 472 | 446 | 436 | 416 |
| DOE ^a | NA | NA | 99 | 156 | 120 | 118 | 151 | 129 |
| HHS | 1,225 | 1,281 | 1,342 | 1,146 | 1,312 | 1,489 | 1,361 | 1,598 |
| NIH | 998 | 1,053 | 1,172 | 989 | 1,141 | 1,292 | 1,190 | 1,470 |
| Other HHS | 227 | 228 | 170 | 157 | 171 | 197 | 171 | 128 |
| NASA | 362 | 380 | 358 | 336 | 316 | 317 | 264 | 260 |
| NSF | 2,306 | 2,335 | 2,410 | 2,538 | 2,591 | 2,816 | 3,118 | 3,307 |
| USDA | 138 | 136 | 141 | 120 | 126 | 87 | 91 | 81 |
| Other ^a | 1,664 | 1,639 | 1,717 | 1,750 | 1,612 | 1,796 | 1,491 | 1,510 |
| Institutional | 14,932 | 14,981 | 15,783 | 16,741 | 18,017 | 19,843 | 19,740 | 20,348 |
| Other nonfederal | 4,939 | 4,960 | 4,743 | 4,763 | 4,738 | 4,738 | 4,708 | 4,396 |
| Domestic | 3,070 | 3,231 | 3,231 | 3,404 | 3,336 | 3,549 | 3,699 | 3,452 |
| Foreign | 1,869 | 1,729 | 1,512 | 1,359 | 1,402 | 1,189 | 1,009 | 944 |
| Self-support | na | na | na | na | na | na | na | na |
| Research assistantships | 81,456 | 81,440 | 84,179 | 86,913 | 92,150 | 99,964 | 105,562 | 105,963 |
| Federal | 41,278 | 39,751 | 40,755 | 42,269 | 43,679 | 48,866 | 54,092 | 55,166 |
| DOD | 6,283 | 5,766 | 5,637 | 5,719 | 5,782 | 6,130 | 6,815 | 6,247 |
| DOE ^a | NA | NA | 2,532 | 2,717 | 2,888 | 3,317 | 3,757 | 3,814 |
| HHS | 11,058 | 10,540 | 10,745 | 11,305 | 11,730 | 13,320 | 15,070 | 16,364 |
| NIH | 10,110 | 9,608 | 9,998 | 10,447 | 10,692 | 12,216 | 13,705 | 15,282 |
| Other HHS | 948 | 932 | 747 | 858 | 1,038 | 1,104 | 1,365 | 1,082 |
| NASA | 2,042 | 2,092 | 2,051 | 2,276 | 2,324 | 2,594 | 2,778 | 2,523 |
| NSF | 10,370 | 10,343 | 10,689 | 11,287 | 11,996 | 13,425 | 15,153 | 15,593 |
| USDA | 2,366 | 2,183 | 2,286 | 2,312 | 2,462 | 2,808 | 3,112 | 3,205 |
| Other ^a | 9,159 | 8,827 | 6,815 | 6,653 | 6,497 | 7,272 | 7,407 | 7,420 |
| Institutional | 27,603 | 28,482 | 30,086 | 30,190 | 32,951 | 35,034 | 35,257 | 35,356 |
| Other nonfederal | 12,575 | 13,207 | 13,338 | 14,454 | 15,520 | 16,064 | 16,213 | 15,441 |
| Domestic | 11,835 | 12,579 | 12,743 | 13,824 | 14,891 | 15,346 | 15,577 | 14,856 |
| Foreign | 740 | 628 | 595 | 630 | 629 | 718 | 636 | 585 |
| Self-support | na | na | na | na | na | na | na | na |
| Teaching assistantships | 60,887 | 60,563 | 61,669 | 61,705 | 63,475 | 65,638 | 67,684 | 67,401 |
| Federal | 754 | 948 | 850 | 1,242 | 947 | 1,076 | 1,325 | 1,344 |
| DOD | na | na | na | na | na | na | na | na |
| DOE ^a | NA | NA | 16 | 34 | 27 | 41 | 48 | 58 |
| HHS | 156 | 229 | 203 | 277 | 244 | 250 | 324 | 286 |
| NIH | 126 | 221 | 196 | 261 | 213 | 203 | 283 | 247 |
| Other HHS | 30 | 8 | 7 | 16 | 31 | 47 | 41 | 39 |

TABLE 41. Full-time graduate students in science and engineering fields in doctorate-granting institutions, by primary mechanism and primary source of support: 1997–2004

| Primary mechanism and primary source of support | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
|---|--------|--------|--------|--------|--------|---------|---------|---------|
| NASA | 24 | 23 | 9 | 11 | 34 | 26 | 33 | 30 |
| NSF | 80 | 130 | 121 | 133 | 186 | 207 | 283 | 282 |
| USDA | 30 | 36 | 60 | 68 | 46 | 46 | 80 | 63 |
| Other ^a | 464 | 530 | 441 | 719 | 410 | 506 | 557 | 625 |
| Institutional | 59,589 | 59,028 | 60,152 | 59,521 | 61,600 | 63,485 | 65,351 | 65,059 |
| Other nonfederal | 544 | 587 | 667 | 942 | 928 | 1,077 | 1,008 | 998 |
| Domestic | 544 | 587 | 667 | 942 | 928 | 1,077 | 1,008 | 998 |
| Foreign | na | na | na | na | na | na | na | na |
| Self-support | na | na | na | na | na | na | na | na |
| Traineeships | 9,548 | 9,756 | 9,431 | 9,438 | 9,011 | 9,673 | 10,043 | 9,748 |
| Federal | 5,132 | 5,409 | 5,404 | 5,683 | 5,413 | 5,735 | 5,901 | 5,796 |
| DOD | 108 | 64 | 51 | 57 | 36 | 46 | 39 | 44 |
| DOE ^a | NA | NA | 22 | 10 | 2 | 9 | 5 | 25 |
| HHS | 3,970 | 4,225 | 4,360 | 4,410 | 4,220 | 4,513 | 4,794 | 4,806 |
| NIH | 3,786 | 4,047 | 4,160 | 4,136 | 3,988 | 4,311 | 4,654 | 4,669 |
| Other HHS | 184 | 178 | 200 | 274 | 232 | 202 | 140 | 137 |
| NASA | 76 | 57 | 51 | 46 | 50 | 52 | 56 | 48 |
| NSF | 379 | 408 | 344 | 324 | 336 | 318 | 328 | 400 |
| USDA | 23 | 14 | 25 | 18 | 16 | 13 | 14 | 16 |
| Other ^a | 576 | 641 | 551 | 818 | 753 | 784 | 665 | 457 |
| Institutional | 3,776 | 3,672 | 3,400 | 3,248 | 3,183 | 3,545 | 3,589 | 3,426 |
| Other nonfederal | 640 | 675 | 627 | 507 | 415 | 393 | 553 | 526 |
| Domestic | 478 | 531 | 527 | 362 | 304 | 334 | 465 | 424 |
| Foreign | 162 | 144 | 100 | 145 | 111 | 59 | 88 | 102 |
| Self-support | na | na | na | na | na | na | na | na |
| Other types of support | 88,391 | 86,165 | 86,595 | 89,005 | 93,568 | 100,811 | 105,569 | 107,319 |
| Federal | 3,009 | 3,008 | 3,369 | 3,050 | 3,200 | 2,945 | 3,595 | 3,188 |
| DOD | 1,710 | 1,554 | 1,448 | 1,379 | 1,381 | 1,030 | 1,588 | 1,182 |
| DOE ^a | NA | NA | 48 | 63 | 64 | 50 | 45 | 52 |
| HHS | 322 | 379 | 516 | 483 | 529 | 563 | 621 | 696 |
| NIH | 267 | 320 | 404 | 439 | 489 | 524 | 540 | 633 |
| Other HHS | 55 | 59 | 112 | 44 | 40 | 39 | 81 | 63 |
| NASA | 33 | 35 | 36 | 51 | 48 | 48 | 44 | 21 |
| NSF | 95 | 79 | 114 | 160 | 130 | 172 | 183 | 177 |
| USDA | 42 | 51 | 57 | 48 | 32 | 68 | 90 | 74 |
| Other ^a | 807 | 910 | 1,150 | 866 | 1,016 | 1,014 | 1,024 | 986 |
| Institutional | 9,550 | 8,895 | 8,921 | 8,546 | 9,526 | 9,946 | 11,087 | 12,439 |
| Other nonfederal | 4,127 | 4,526 | 4,160 | 4,357 | 3,711 | 3,583 | 3,618 | 3,252 |
| Domestic | 2,564 | 3,224 | 2,887 | 3,033 | 2,537 | 2,562 | 2,632 | 2,340 |
| Foreign | 1,563 | 1,302 | 1,273 | 1,324 | 1,174 | 1,021 | 986 | 912 |
| Self-support | 71,705 | 69,736 | 70,145 | 73,052 | 77,131 | 84,337 | 87,269 | 88,440 |

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; na = not applicable; NA = not available; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NSF = National Science Foundation; USDA = United States Department of Agriculture.

^a Data for DOE were not collected separately until 1999. Students supported by DOE before 1999 were included under other federal support.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Graduate Students and Postdoctorates in Science and Engineering.