TABLE 7-19. Primary source of support for U.S.-citizen and permanent-resident S\&E doctorate recipients, by field and sex: 2004-08

| Sex and primary source of support | All S\&E | Science |  |  |  |  |  |  |  |  | Engineering |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | All science | Agricultural sciences | Biological sciences | Computer sciences | Earth, atmospheric, and ocean sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences |  |
| All recipients (number) ${ }^{\text {a }}$ | 84,229 | 71,791 | 2,927 | 22,982 | 2,830 | 2,437 | 2,939 | 9,904 | 14,153 | 13,619 | 12,438 |
| All sources | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Personal or family funds | 16.2 | 17.4 | 15.4 | 6.8 | 16.3 | 7.8 | 7.3 | 4.2 | 38.4 | 27.7 | 9.2 |
| Loans | 6.3 | 7.1 | 4.1 | 1.6 | 3.0 | 1.2 | 1.3 | 0.8 | 21.2 | 10.2 | 1.4 |
| Savings | 1.6 | 1.5 | 1.8 | 0.6 | 3.4 | 1.3 | 1.0 | 0.4 | 2.1 | 2.9 | 2.1 |
| Other earnings in graduate school | 3.9 | 4.0 | 5.3 | 1.5 | 7.2 | 3.4 | 2.2 | 1.0 | 5.4 | 8.5 | 3.7 |
| Other family earnings or savings | 4.4 | 4.8 | 4.2 | 3.1 | 2.7 | 1.8 | 2.8 | 2.0 | 9.5 | 6.1 | 2.1 |
| Teaching assistantship | 14.1 | 15.6 | 8.1 | 8.4 | 9.2 | 14.1 | 46.9 | 17.6 | 15.1 | 23.4 | 5.0 |
| Research assistantship, traineeship, or internship | 26.4 | 24.0 | 38.8 | 22.7 | 38.1 | 37.2 | 10.0 | 46.4 | 17.8 | 10.7 | 40.2 |
| Research assistantship | 24.0 | 21.4 | 37.7 | 19.1 | 37.2 | 36.2 | 9.3 | 45.4 | 13.2 | 9.4 | 39.2 |
| Traineeship, internship or residency, other assistantship | 2.4 | 2.6 | 1.2 | 3.7 | 0.8 | 1.0 | 0.7 | 1.1 | 4.6 | 1.3 | 0.9 |
| Fellowship/scholarship or dissertation grant | 34.8 | 35.2 | 25.4 | 56.4 | 22.0 | 34.2 | 28.6 | 25.6 | 18.6 | 30.1 | 32.5 |
| Fellowship/scholarship | 23.4 | 23.0 | 17.8 | 29.3 | 17.2 | 24.9 | 24.3 | 18.3 | 13.9 | 27.1 | 25.6 |
| Grant/stipend | 11.4 | 12.2 | 7.6 | 27.2 | 4.8 | 9.3 | 4.3 | 7.3 | 4.7 | 3.0 | 7.0 |
| Employer reimbursement or assistance | 3.3 | 2.4 | 6.3 | 1.6 | 8.6 | 3.0 | 3.1 | 1.5 | 1.3 | 3.0 | 8.4 |
| Other or unknown source of support | 5.3 | 5.4 | 6.0 | 4.1 | 5.9 | 3.8 | 4.2 | 4.6 | 8.8 | 5.1 | 4.7 |
| Female (number) | 37,715 | 34,834 | 1,186 | 11,415 | 638 | 968 | 871 | 2,868 | 9,946 | 6,942 | 2,881 |
| All sources | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Personal or family funds | 19.7 | 20.7 | 14.9 | 7.2 | 19.9 | 6.2 | 6.4 | 3.9 | 39.2 | 28.5 | 6.9 |
| Loans | 8.6 | 9.2 | 4.9 | 1.7 | D | 1.2 | D | 0.8 | 21.5 | 10.9 | 1.1 |
| Savings | 1.4 | 1.4 | 1.1 | 0.5 | D | 0.6 | D | 0.3 | 2.0 | 2.6 | 1.2 |
| Other earnings in graduate school | 3.7 | 3.9 | 4.3 | 1.4 | 7.2 | 2.6 | 1.7 | 0.7 | 4.8 | 7.9 | 2.2 |
| Other family earnings or savings | 5.9 | 6.2 | 4.6 | 3.6 | 4.9 | 1.8 | 3.0 | 2.1 | 10.9 | 7.0 | 2.4 |
| Teaching assistantship | 13.8 | 14.6 | 8.7 | 8.2 | 9.7 | 12.8 | 46.2 | 17.3 | 14.0 | 22.5 | 4.2 |
| Research assistantship, traineeship, or internship | 22.9 | 21.8 | 39.2 | 23.1 | 31.7 | 34.0 | 12.3 | 46.0 | 18.1 | 10.8 | 36.2 |
| Research assistantship | 20.0 | 18.7 | 37.9 | 19.4 | D | 32.9 | D | 44.4 | 13.4 | 9.3 | 35.2 |
| Traineeship, internship or residency, other assistantship | 3.0 | 3.1 | 1.3 | 3.8 | D | 1.1 | D | 1.6 | 4.7 | 1.4 | 0.9 |
| Fellowship/scholarship or dissertation grant | 36.3 | 35.6 | 27.7 | 56.4 | 24.6 | 42.1 | 28.5 | 28.0 | 18.9 | 31.1 | 44.0 |
| Fellowship/scholarship | 24.4 | 23.5 | 20.7 | 29.0 | 21.5 | 32.7 | 23.4 | 20.9 | 14.2 | 28.1 | 36.1 |
| Grant/stipend | 11.9 | 12.2 | 6.9 | 27.4 | 3.1 | 9.4 | 5.1 | 7.0 | 4.7 | 3.0 | 7.9 |
| Employer reimbursement or assistance | 2.0 | 1.8 | 5.1 | 1.4 | 6.0 | 1.5 | 2.6 | 0.9 | 1.2 | 2.5 | 4.5 |
| Other or unknown source of support | 5.4 | 5.5 | 4.4 | 3.8 | 8.2 | 3.3 | 4.0 | 3.9 | 8.7 | 4.7 | 4.1 |
| Male (number) | 46,511 | 36,955 | 1,741 | 11,566 | 2,192 | 1,469 | 2,068 | 7,035 | 4,207 | 6,677 | 9,556 |
| All sources | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TABLE 7-19. Primary source of support for U.S.-citizen and permanent-resident S\&E doctorate recipients, by field and sex: 2004-08

|  | Science |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sex and primary source of support | All SEE | All science | Agricultural sciences | Biological sciences | Computer sciences | Earth, atmospheric, and ocean sciences | Mathematics and statistics | Physical sciences | Psychology | Social sciences | Engineering |
| Personal or family funds | 13.4 | 14.3 | 15.8 | 6.4 | 15.2 | 8.8 | 7.6 | 4.3 | 36.5 | 26.9 | 9.9 |
| Loans | 4.4 | 5.2 | 3.6 | 1.6 | 2.6 | 1.2 | 1.4 | 0.8 | 20.8 | 9.5 | 1.5 |
| Savings | 1.8 | 1.6 | 2.4 | 0.7 | 3.3 | 1.8 | 1.2 | 0.5 | 2.5 | 3.3 | 2.3 |
| Other earnings in graduate school | 4.1 | 4.1 | 5.9 | 1.5 | 7.2 | 4.0 | 2.4 | 1.1 | 6.9 | 9.0 | 4.1 |
| Other family earnings or savings | 3.1 | 3.4 | 4.0 | 2.6 | 2.0 | 1.8 | 2.7 | 2.0 | 6.3 | 5.2 | 1.9 |
| Teaching assistantship | 14.3 | 16.6 | 7.7 | 8.5 | 9.0 | 14.9 | 47.1 | 17.8 | 17.8 | 24.4 | 5.3 |
| Research assistantship, traineeship, or internship | 29.2 | 26.0 | 38.6 | 22.4 | 39.9 | 39.3 | 9.1 | 46.6 | 17.0 | 10.6 | 41.4 |
| Research assistantship | 27.3 | 23.9 | 37.6 | 18.8 | 39.0 | 38.5 | 8.4 | 45.8 | 12.7 | 9.6 | 40.4 |
| Traineeship, internship or residency, other assistantship | 1.9 | 2.1 | 1.0 | 3.6 | 0.9 | 0.9 | 0.7 | 0.8 | 4.3 | 1.1 | 0.9 |
| Fellowship/scholarship or dissertation grant | 33.6 | 34.8 | 23.8 | 56.5 | 21.3 | 28.9 | 28.7 | 24.6 | 17.9 | 29.1 | 29.1 |
| Fellowship/scholarship | 22.6 | 22.6 | 15.8 | 29.6 | 16.0 | 19.7 | 24.7 | 17.2 | 13.2 | 26.0 | 22.4 |
| Grant/stipend | 11.1 | 12.2 | 8.0 | 26.9 | 5.2 | 9.2 | 4.0 | 7.4 | 4.7 | 3.0 | 6.7 |
| Employer reimbursement or assistance | 4.3 | 2.9 | 7.0 | 1.7 | 9.4 | 3.9 | 3.2 | 1.8 | 1.7 | 3.5 | 9.5 |
| Other or unknown source of support | 5.3 | 5.4 | 7.1 | 4.4 | 5.2 | 4.1 | 4.2 | 4.8 | 9.0 | 5.5 | 4.9 |

${ }^{a}$ Total includes doctorate recipients who did not report sex; detail does not sum to total.
NOTES: Data in this table refer to research doctorates only and differ from doctoral degree data in this report that are based on the NCES Completions Survey. Greatest differences are in psychology.
SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Earned Doctorates, 2004-08,

