

Table 35**Doctorate recipients' primary source of financial support, by broad field of study, sex, citizenship status, ethnicity, and race: 2020**

(Number and percent)

| Field and primary source of support | Total ^a | Sex | | Citizenship status | | U.S. citizens and permanent residents | | | | | | | Ethnicity not reported |
|--|--------------------|--------|--------|------------------------------------|-----------------------|---------------------------------------|----------------------------------|-------|---------------------------|--------|--------------------|---------------------------------|------------------------|
| | | Male | Female | U.S. citizen or permanent resident | Temporary visa holder | Hispanic or Latino | Not Hispanic or Latino | | | | | Other race or race not reported | |
| | | | | | | | American Indian or Alaska Native | Asian | Black or African American | White | More than one race | | |
| All fields (number) | 48,877 | 26,443 | 22,434 | 31,700 | 16,997 | 2,602 | 83 | 2,986 | 2,184 | 22,378 | 1,097 | 250 | 120 |
| Teaching assistantships | 21.5 | 21.9 | 20.9 | 20.5 | 23.2 | 16.8 | 8.4 | 18.5 | 12.5 | 22.1 | 20.3 | 18.4 | 19.2 |
| Research assistantships or traineeships ^b | 33.7 | 38.6 | 27.9 | 26.8 | 46.6 | 20.3 | 18.1 | 33.9 | 14.7 | 27.9 | 27.0 | 24.4 | 19.2 |
| Fellowships, scholarships, or dissertation grants | 24.4 | 22.8 | 26.4 | 26.9 | 19.8 | 36.2 | 32.5 | 32.5 | 25.8 | 25.0 | 31.4 | 26.4 | 20.0 |
| Own resources | 15.2 | 11.3 | 19.8 | 21.2 | 4.0 | 22.1 | 31.3 | 12.1 | 40.8 | 20.4 | 18.4 | 23.2 | 36.7 |
| Employer | 2.8 | 2.7 | 2.9 | 4.0 | 0.5 | 3.5 | 7.2 | 2.5 | 5.5 | 4.2 | 2.5 | 6.0 | 5.0 |
| Other | 2.4 | 2.7 | 2.0 | 0.5 | 5.9 | 1.1 | 2.4 | 0.4 | 0.8 | 0.4 | 0.5 | 1.6 | 0.0 |
| Life sciences (number) ^c | 11,336 | 5,001 | 6,335 | 8,122 | 3,178 | 669 | 18 | 903 | 512 | 5,638 | 304 | 56 | 22 |
| Teaching assistantships | 13.5 | 14.6 | 12.7 | 13.0 | 14.8 | 8.5 | 0.0 | 9.4 | 6.8 | 14.7 | 13.2 | 8.9 | 18.2 |
| Research assistantships or traineeships ^b | 36.4 | 38.3 | 34.9 | 33.1 | 44.7 | 28.0 | 27.8 | 35.1 | 21.3 | 34.5 | 33.9 | 30.4 | 22.7 |
| Fellowships, scholarships, or dissertation grants | 32.3 | 31.2 | 33.2 | 34.9 | 25.6 | 46.9 | 38.9 | 42.6 | 33.8 | 32.0 | 41.4 | 32.1 | 27.3 |
| Own resources | 12.0 | 9.8 | 13.8 | 15.1 | 4.2 | 14.3 | 33.3 | 10.2 | 33.8 | 14.4 | 9.9 | 19.6 | 22.7 |
| Employer | 2.7 | 2.5 | 2.8 | 3.3 | 0.9 | 1.5 | 0.0 | 2.4 | 3.9 | 3.7 | 1.6 | 5.4 | 9.1 |
| Other | 3.1 | 3.7 | 2.7 | 0.6 | 9.6 | 0.7 | 0.0 | 0.2 | 0.4 | 0.7 | 0.0 | 3.6 | 0.0 |
| Physical sciences and earth sciences (number) | 5,650 | 3,761 | 1,889 | 3,484 | 2,150 | 226 | D | 292 | 70 | 2,726 | 130 | D | 10 |
| Teaching assistantships | 25.3 | 25.2 | 25.5 | 22.7 | 29.5 | 19.9 | D | 25.0 | 30.0 | 22.6 | D | 23.1 | 30.0 |
| Research assistantships or traineeships ^b | 50.5 | 53.1 | 45.4 | 48.0 | 54.6 | 32.3 | D | 45.9 | D | 50.0 | 45.4 | 61.5 | 30.0 |
| Fellowships, scholarships, or dissertation grants | 19.3 | 16.7 | 24.5 | 23.7 | 12.2 | 41.6 | D | 26.7 | 34.3 | 21.5 | 28.5 | D | 30.0 |
| Own resources | 2.9 | 3.0 | 2.7 | 4.1 | 0.8 | 3.5 | 0.0 | D | D | 4.4 | 3.8 | 3.8 | 10.0 |
| Employer | 0.9 | 1.1 | 0.6 | 1.3 | 0.3 | D | 0.0 | D | D | D | D | 0.0 | 0.0 |
| Other | 1.1 | 1.0 | 1.4 | 0.2 | 2.6 | D | 0.0 | 0.0 | 0.0 | D | 0.0 | 0.0 | 0.0 |

Table 35**Doctorate recipients' primary source of financial support, by broad field of study, sex, citizenship status, ethnicity, and race: 2020**

(Number and percent)

| Field and primary source of support | Total ^a | Sex | | Citizenship status | | U.S. citizens and permanent residents | | | | | | | |
|--|--------------------|-------|--------|------------------------------------|-----------------------|---------------------------------------|----------------------------------|-------|---------------------------|-------|--------------------|---------------------------------|------------------------|
| | | Male | Female | U.S. citizen or permanent resident | Temporary visa holder | Hispanic or Latino | Not Hispanic or Latino | | | | | | Ethnicity not reported |
| | | | | | | | American Indian or Alaska Native | Asian | Black or African American | White | More than one race | Other race or race not reported | |
| Mathematics and computer sciences (number) | 3,938 | 2,933 | 1,005 | 1,624 | 2,283 | 95 | D | 246 | 53 | 1,126 | 76 | D | 10 |
| Teaching assistantships | 37.3 | 36.2 | 40.5 | 37.3 | 37.5 | 35.8 | 0.0 | 32.9 | 34.0 | 38.9 | 38.2 | 17.6 | 20.0 |
| Research assistantships or traineeships ^b | 37.6 | 39.5 | 32.2 | 28.5 | 44.2 | 21.1 | 0.0 | 35.8 | 13.2 | 28.5 | 26.3 | 11.8 | 50.0 |
| Fellowships, scholarships, or dissertation grants | 14.9 | 14.1 | 17.2 | 18.7 | 12.1 | 26.3 | 0.0 | 17.9 | 26.4 | 17.7 | 19.7 | 35.3 | 10.0 |
| Own resources | 5.9 | 5.8 | 6.3 | 11.1 | 2.1 | 9.5 | D | 10.6 | D | 11.1 | D | 5.9 | 20.0 |
| Employer | 1.9 | 1.9 | 1.9 | 4.0 | 0.4 | 7.4 | 0.0 | 2.4 | D | 3.5 | D | D | 0.0 |
| Other | 2.4 | 2.6 | 1.9 | 0.4 | 3.7 | 0.0 | D | 0.4 | 3.8 | 0.4 | 0.0 | D | 0.0 |
| Psychology and social sciences (number) | 7,726 | 3,133 | 4,593 | 6,010 | 1,687 | 576 | 20 | 406 | 481 | 4,237 | 223 | 43 | 24 |
| Teaching assistantships | 28.8 | 32.3 | 26.4 | 26.9 | 35.6 | 22.6 | D | 29.3 | 15.2 | 28.9 | D | 25.6 | 8.3 |
| Research assistantships or traineeships ^b | 16.9 | 15.1 | 18.2 | 16.8 | 17.2 | 12.2 | D | 14.0 | 10.2 | 18.7 | D | 14.0 | 16.7 |
| Fellowships, scholarships, or dissertation grants | 27.0 | 29.5 | 25.3 | 24.7 | 35.1 | 30.2 | 30.0 | 35.5 | 22.5 | 23.1 | 27.4 | 20.9 | 20.8 |
| Own resources | 24.0 | 18.9 | 27.5 | 28.6 | 7.6 | 32.1 | 30.0 | 18.5 | 48.0 | 26.5 | 32.3 | 32.6 | 54.2 |
| Employer | 1.9 | 2.5 | 1.5 | 2.4 | 0.4 | 1.7 | D | 1.7 | 3.5 | 2.4 | D | 4.7 | 0.0 |
| Other | 1.4 | 1.8 | 1.1 | 0.6 | 4.1 | 1.2 | 0.0 | 1.0 | 0.6 | 0.5 | 0.4 | 2.3 | 0.0 |
| Engineering (number) | 9,369 | 7,054 | 2,315 | 3,850 | 5,480 | 267 | D | 617 | 163 | 2,635 | 124 | D | 13 |
| Teaching assistantships | 11.7 | 11.6 | 12.1 | 8.3 | 14.1 | 7.1 | 0.0 | 9.6 | 9.2 | 8.0 | 9.7 | 0.0 | 23.1 |
| Research assistantships or traineeships ^b | 58.7 | 60.0 | 54.6 | 48.1 | 66.1 | 34.8 | D | 55.1 | 29.4 | 49.1 | D | 51.9 | 23.1 |
| Fellowships, scholarships, or dissertation grants | 19.2 | 17.5 | 24.6 | 29.8 | 11.8 | 44.2 | D | 25.8 | 35.6 | 28.8 | 34.7 | D | 15.4 |
| Own resources | 4.6 | 4.7 | 4.3 | 8.1 | 2.2 | 7.5 | 0.0 | 5.8 | 14.7 | 8.3 | 5.6 | 7.4 | 15.4 |
| Employer | 2.2 | 2.5 | 1.4 | 5.0 | 0.2 | 4.5 | 0.0 | 3.1 | 8.6 | 5.4 | D | D | 23.1 |
| Other | 3.5 | 3.7 | 3.0 | 0.6 | 5.6 | 1.9 | 0.0 | 0.6 | 2.5 | 0.3 | 0.8 | 3.7 | 0.0 |

Table 35**Doctorate recipients' primary source of financial support, by broad field of study, sex, citizenship status, ethnicity, and race: 2020**

(Number and percent)

| Field and primary source of support | Total ^a | Sex | | Citizenship status | | U.S. citizens and permanent residents | | | | | | | |
|--|--------------------|-------|--------|------------------------------------|-----------------------|---------------------------------------|----------------------------------|-------|---------------------------|-------|--------------------|---------------------------------|------------------------|
| | | Male | Female | U.S. citizen or permanent resident | Temporary visa holder | Hispanic or Latino | Not Hispanic or Latino | | | | | | Ethnicity not reported |
| | | | | | | | American Indian or Alaska Native | Asian | Black or African American | White | More than one race | Other race or race not reported | |
| Education (number) | 4,123 | 1,253 | 2,870 | 3,533 | 581 | 339 | 13 | 184 | 545 | 2,298 | 98 | 35 | 21 |
| Teaching assistantships | 12.1 | 12.1 | 12.1 | 10.7 | 20.7 | 8.8 | 0.0 | 17.9 | 7.0 | 11.3 | 12.2 | 11.4 | 14.3 |
| Research assistantships or traineeships ^b | 17.0 | 15.3 | 17.7 | 15.2 | 27.7 | 18.0 | D | D | 13.0 | 14.2 | 17.3 | 14.3 | 9.5 |
| Fellowships, scholarships, or dissertation grants | 13.3 | 13.7 | 13.1 | 12.0 | 21.0 | 16.5 | D | D | 16.3 | 9.8 | 12.2 | 20.0 | 14.3 |
| Own resources | 45.2 | 44.3 | 45.6 | 50.2 | 15.1 | 44.0 | D | D | 54.3 | 51.8 | 48.0 | 45.7 | 57.1 |
| Employer | 9.8 | 10.9 | 9.3 | D | D | D | D | D | 8.8 | 12.3 | 10.2 | 8.6 | 4.8 |
| Other | 2.7 | 3.6 | 2.3 | D | D | D | 15.4 | 0.0 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 |
| Humanities and arts (number) | 4,251 | 2,156 | 2,095 | 3,570 | 671 | 315 | 14 | 191 | 158 | 2,740 | 105 | 36 | 11 |
| Teaching assistantships | 39.7 | 37.5 | 41.9 | 40.0 | 37.7 | 34.0 | D | 35.1 | 32.3 | 41.6 | D | 38.9 | 45.5 |
| Research assistantships or traineeships ^b | 1.5 | 1.4 | 1.7 | 1.6 | 1.0 | 1.9 | D | D | D | 1.6 | 0.0 | 0.0 | 0.0 |
| Fellowships, scholarships, or dissertation grants | 36.7 | 36.6 | 36.7 | 34.2 | 49.8 | 41.6 | D | D | 40.5 | 32.2 | 41.9 | 38.9 | 27.3 |
| Own resources | 19.5 | 21.0 | 18.0 | 22.0 | 6.7 | 20.0 | 42.9 | 20.4 | 24.7 | 22.2 | 16.2 | 22.2 | 27.3 |
| Employer | 1.7 | 2.5 | 0.9 | D | D | 1.9 | D | D | D | D | D | 0.0 | 0.0 |
| Other | 0.9 | 1.0 | 0.8 | D | D | 0.6 | 0.0 | 0.5 | 0.0 | D | 1.0 | 0.0 | 0.0 |
| Other (number) ^d | 2,484 | 1,152 | 1,332 | 1,507 | 967 | 115 | 9 | 147 | 202 | 978 | 37 | 10 | 9 |
| Teaching assistantships | 22.3 | 23.1 | 21.5 | 20.2 | 25.2 | 13.9 | 0.0 | 24.5 | 10.4 | 22.8 | 13.5 | 30.0 | 11.1 |
| Research assistantships or traineeships ^b | 18.0 | 18.3 | 17.6 | 13.8 | 24.4 | 14.8 | D | D | 6.9 | 14.8 | 16.2 | 10.0 | 11.1 |
| Fellowships, scholarships, or dissertation grants | 24.4 | 25.9 | 23.2 | 19.6 | 32.0 | 26.1 | D | D | 16.3 | 17.3 | 16.2 | 10.0 | 11.1 |
| Own resources | 28.1 | 25.2 | 30.7 | 39.1 | 11.2 | 39.1 | D | 20.4 | 57.4 | 37.6 | D | 50.0 | 66.7 |
| Employer | 4.1 | 3.7 | 4.5 | 6.3 | 0.8 | 5.2 | D | D | 6.9 | 6.9 | D | 0.0 | 0.0 |
| Other | 3.1 | 3.8 | 2.4 | 0.9 | 6.4 | 0.9 | 0.0 | 0.7 | 2.0 | 0.6 | 5.4 | 0.0 | 0.0 |

D = suppressed to avoid disclosure of confidential information.

^a Includes doctorate recipients with missing citizenship information and who did not report sex.

^b Includes research assistantships, other assistantships, traineeships, and internships or clinical residencies.

^c Includes agricultural sciences and natural resources; biological and biomedical sciences; and health sciences.

^d Includes other non-science and engineering fields not shown separately.

Note(s):

Includes only doctorate recipients who reported primary source of support. Due to rounding, percentages may not sum to 100.

Source(s):

National Center for Science and Engineering Statistics, Survey of Earned Doctorates.