TABLE 33. Educational attainment of doctorate recipients' parents, by sex, citizenship status, ethnicity, race, and broad field of study: 2014

| Demographic characteristic and broad field of study | $\begin{array}{r} \text { Total } \\ \text { (number) } \end{array}$ | Parental education attainment (\%) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | All | High school or less | $\begin{array}{r} \text { Some } \\ \text { college } \end{array}$ | Bachelor's degree | Advanced degree |
| All doctorate recipients |  |  |  |  |  |  |
| Father's education ${ }^{\text {b }}$ | 46,495 | 100.0 | 24.3 | 13.0 | 27.1 | 35.6 |
| Mother's education ${ }^{\text {c }}$ | 46,650 | 100.0 | 30.4 | 15.9 | 28.1 | 25.6 |
| Sex |  |  |  |  |  |  |
| Male |  |  |  |  |  |  |
| Father's education | 24,980 | 100.0 | 25.1 | 12.3 | 27.5 | 35.2 |
| Mother's education | 25,002 | 100.0 | 32.4 | 15.1 | 28.5 | 24.0 |
| Female |  |  |  |  |  |  |
| Father's education | 21,515 | 100.0 | 23.4 | 13.9 | 26.7 | 36.1 |
| Mother's education | 21,648 | 100.0 | 28.0 | 16.8 | 27.7 | 27.5 |
| Citizenship status |  |  |  |  |  |  |
| U.S. citizen or permanent resident |  |  |  |  |  |  |
| Father's education | 31,860 | 100.0 | 21.3 | 14.1 | 24.6 | 39.9 |
| Mother's education | 32,067 | 100.0 | 24.3 | 17.9 | 27.6 | 30.1 |
| Temporary visa holder |  |  |  |  |  |  |
| Father's education | 14,596 | 100.0 | 30.8 | 10.6 | 32.5 | 26.1 |
| Mother's education | 14,542 | 100.0 | 43.7 | 11.5 | 29.2 | 15.6 |
| Ethnicity and race (U.S. citizens and permanent residents) |  |  |  |  |  |  |
| Hispanic or Latino |  |  |  |  |  |  |
| Father's education | 2,006 | 100.0 | 36.3 | 13.8 | 21.1 | 28.8 |
| Mother's education | 2,040 | 100.0 | 38.0 | 18.0 | 21.7 | 22.3 |
| Not Hispanic or Latino |  |  |  |  |  |  |
| American Indian or Alaska Native |  |  |  |  |  |  |
| Father's education | 92 | 100.0 | 42.4 | 15.2 | 14.1 | 28.3 |
| Mother's education | 92 | 100.0 | 40.2 | 22.8 | 15.2 | 21.7 |
| Asian |  |  |  |  |  |  |
| Father's education | 2,740 | 100.0 | 20.5 | 9.4 | 26.1 | 43.9 |
| Mother's education | 2,745 | 100.0 | 31.0 | 11.9 | 30.1 | 27.0 |
| Black or African American |  |  |  |  |  |  |
| Father's education | 1,948 | 100.0 | 40.4 | 20.8 | 16.0 | 22.8 |
| Mother's education | 2,019 | 100.0 | 36.9 | 21.2 | 18.1 | 23.8 |
| White |  |  |  |  |  |  |
| Father's education | 23,875 | 100.0 | 18.7 | 14.1 | 25.6 | 41.6 |
| Mother's education | 23,967 | 100.0 | 21.3 | 18.4 | 28.8 | 31.6 |
| More than one race |  |  |  |  |  |  |
| Father's education | 841 | 100.0 | 19.3 | 16.4 | 20.9 | 43.4 |
| Mother's education | 847 | 100.0 | 23.7 | 17.2 | 26.3 | 32.7 |
| Other race or race not reported |  |  |  |  |  |  |
| Father's education | 226 | 100.0 | 18.6 | 13.3 | 25.2 | 42.9 |
| Mother's education | 226 | 100.0 | 23.9 | 16.4 | 31.0 | 28.8 |
| Ethnicity not reported |  |  |  |  |  |  |
| Father's education | 132 | 100.0 | 19.7 | 6.8 | 23.5 | 50.0 |
| Mother's education | 131 | 100.0 | 27.5 | 11.5 | 20.6 | 40.5 |

Field of study
Life sciences ${ }^{\text {d }}$

| Father's education | 10,969 | 100.0 | 23.3 | 13.2 | 27.1 | 36.3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mother's education | 11,005 | 100.0 | 28.5 | 16.2 | 28.6 | 26.7 |
| Physical sciences $^{\text {e }}$ |  |  |  |  |  |  |
| Father's education | 8,551 | 100.0 | 24.7 | 12.4 | 28.3 | 34.5 |
| Mother's education | 8,558 | 100.0 | 31.5 | 14.9 | 29.2 | 24.4 |
| Social sciences $^{\dagger}$ | 7,227 | 100.0 | 22.6 | 13.7 | 25.0 | 38.7 |
| Father's education |  |  |  |  |  |  |

TABLE 33. Educational attainment of doctorate recipients' parents, by sex, citizenship status, ethnicity, race, and broad field of study: 2014

| Demographic characteristic and broad field of study | Total (number) | Parental education attainment (\%) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | All | High school or less | $\begin{array}{r} \text { Some } \\ \text { college }{ }^{\text {a }} \end{array}$ | Bachelor's degree | Advanced degree |
| Mother's education | 7,280 | 100.0 | 27.0 | 17.1 | 26.6 | 29.3 |
| Engineering |  |  |  |  |  |  |
| Father's education | 8,326 | 100.0 | 24.6 | 11.3 | 31.6 | 32.6 |
| Mother's education | 8,334 | 100.0 | 33.8 | 14.1 | 31.0 | 21.1 |
| Education |  |  |  |  |  |  |
| Father's education | 4,058 | 100.0 | 32.4 | 17.1 | 22.1 | 28.3 |
| Mother's education | 4,089 | 100.0 | 37.1 | 19.8 | 21.9 | 21.1 |
| Humanities |  |  |  |  |  |  |
| Father's education | 4,792 | 100.0 | 20.3 | 12.3 | 24.2 | 43.1 |
| Mother's education | 4,800 | 100.0 | 24.2 | 15.1 | 28.2 | 32.5 |
| Other ${ }^{9}$ |  |  |  |  |  |  |
| Father's education | 2,572 | 100.0 | 26.0 | 12.6 | 27.4 | 34.1 |
| Mother's education | 2,584 | 100.0 | 33.3 | 16.0 | 27.5 | 23.2 |

${ }^{2}$ Includes those who attended college but did not earn a bachelor's.
${ }^{\text {b }}$ Total count excludes 7,053 who did not report father's education and 522 (1.0\%) who reported "not applicable/unknown."
${ }^{\mathrm{c}}$ Total count excludes 7,033 who did not report mother's education and 387 ( $0.7 \%$ ) who reported "not applicable/unknown."
${ }^{d}$ Includes agricultural sciences and natural resources; biological, biomedical sciences; and health sciences.
${ }^{e}$ Includes mathematics and computer and information sciences.
${ }^{\dagger}$ Includes psychology.
${ }^{9}$ Non-science and engineering fields not shown separately.
NOTE: Due to rounding, percentages may not sum to 100.
SOURCE: NSF, NIH, USED, USDA, NEH, NASA, Survey of Earned Doctorates, 2014.

