

TABLE A-30. Standard errors for birthplace of scientists and engineers, by region and other selected characteristics: 2003
(Percent)

| Characteristic | Place of immigrants' birth | | | | | | | | | |
|--|----------------------------|-------------------|--------|--------|------------------|-----------|--------|--|---|--------------------|
| | U.S. citizen at birth | All immigrants | Asia | Europe | South America | Caribbean | Africa | North America (except United States) | Central America (including Mexico) | Other ^a |
| All scientists and engineers (n) | 80,000 | 25,000 | 23,000 | 13,000 | 9,000 | 9,000 | 8,000 | 7,000 | 9,000 | 3,000 |
| Age at first entry for 6 months or longer (years) | | | | | | | | | | |
| Younger than 18 | na | 0.4 | 0.6 | 1.0 | 1.8 | 2.6 | 1.7 | 2.4 | 2.8 | 4.1 |
| 18–34 | na | 0.4 | 0.7 | 1.1 | 2.2 | 2.4 | 2.2 | 2.7 | 3.0 | 5.4 |
| 35 or older | na | 0.4 | 0.6 | 1.0 | 1.6 | 1.8 | 1.9 | 1.7 | 2.1 | 5.4 |
| Year of first entry for 6 months or longer | | | | | | | | | | |
| 1993 and earlier | na | 0.5 | 0.7 | 1.1 | 2.0 | 2.1 | 2.4 | 2.7 | 2.3 | 4.6 |
| 1994–2003 | na | 0.5 | 0.7 | 1.1 | 2.0 | 2.1 | 2.4 | 2.7 | 2.3 | 4.6 |
| Current and initial immigration status | | | | | | | | | | |
| U.S. citizen, naturalized (current) | na | 0.6 | 0.7 | 1.2 | 2.3 | 2.5 | 2.6 | 2.7 | 2.9 | 4.8 |
| Permanent resident (initial) | na | 0.5 | 0.7 | 1.2 | 2.2 | 2.5 | 2.3 | 2.1 | 2.8 | 2.7 |
| Temporary resident visa for work (initial) | na | 0.2 | 0.3 | 0.5 | 0.7 | 0.7 | 0.5 | 0.7 | 1.7 | 1.6 |
| Temporary resident visa for study/training (initial) | na | 0.3 | 0.4 | 0.6 | 1.9 | 1.4 | 1.6 | 1.0 | 1.5 | 1.5 |
| Temporary resident visa as a dependent (initial) | na | 0.3 | 0.4 | 0.6 | 1.4 | 1.1 | 0.8 | 1.3 | 2.0 | 3.7 |
| Other temporary resident visa (initial) | na | 0.2 | 0.3 | 0.6 | 1.0 | 1.8 | 1.3 | 0.6 | 1.3 | 1.1 |
| Permanent resident (current) | na | 0.5 | 0.6 | 1.1 | 1.8 | 2.2 | 2.5 | 2.6 | 2.7 | 5.5 |
| Permanent resident (initial) | na | 0.3 | 0.4 | 0.8 | 1.5 | 1.6 | 1.7 | 1.8 | 1.7 | 5.5 |
| Temporary resident visa for work (initial) | na | 0.2 | 0.3 | 0.7 | 0.7 | 0.2 | 1.4 | 1.8 | 1.1 | 2.8 |
| Temporary resident visa for study/training (initial) | na | 0.3 | 0.4 | 0.6 | 1.2 | 0.7 | 1.6 | 1.4 | 0.8 | 3.3 |
| Temporary resident visa as a dependent (initial) | na | 0.2 | 0.3 | 0.4 | 0.7 | 1.1 | 0.6 | 1.3 | 1.0 | 3.2 |
| Other temporary resident visa (initial) | na | 0.2 | 0.2 | 0.4 | 1.1 | 1.4 | 0.7 | 0.3 | 2.0 | S |
| Temporary resident visa (current) | na | 0.3 | 0.4 | 0.6 | 1.7 | 1.1 | 1.3 | 2.5 | 1.3 | 3.6 |
| Permanent resident (initial) | na | 0.1 | * | S | S | S | S | S | S | S |
| Temporary resident visa for work (initial) | na | 0.2 | 0.3 | 0.3 | 1.0 | S | 0.4 | 1.7 | 0.5 | 1.8 |
| Temporary resident visa for study/training (initial) | na | 0.2 | 0.3 | 0.4 | 1.0 | 0.7 | 0.5 | 1.7 | 1.0 | 2.2 |
| Temporary resident visa as a dependent (initial) | na | 0.1 | 0.2 | 0.2 | 0.8 | S | 1.0 | S | 0.4 | S |
| Other temporary resident visa (initial) | na | 0.1 | 0.1 | 0.2 | S | S | 0.7 | S | 0.9 | S |
| Dual citizen? | | | | | | | | | | |
| Yes | 0.1 | 0.4 | 0.5 | 1.1 | 2.1 | 1.8 | 2.2 | 2.0 | 2.6 | 3.3 |
| No | 0.1 | 0.4 | 0.5 | 1.1 | 2.1 | 1.8 | 2.2 | 2.0 | 2.6 | 3.3 |
| Place of postsecondary education | | | | | | | | | | |
| All degrees earned in U.S. | 0.1 | 0.5 | 0.7 | 1.2 | 2.3 | 2.5 | 2.7 | 2.8 | 2.9 | 5.2 |
| Degrees earned abroad and in U.S. | 0.1 | 0.4 | 0.5 | 0.7 | 1.5 | 1.6 | 1.6 | 1.9 | 1.8 | 2.9 |
| All degrees earned abroad | 0.1 | 0.5 | 0.7 | 1.2 | 2.5 | 2.2 | 2.5 | 2.7 | 3.0 | 5.6 |
| Highest degree of educational attainment | | | | | | | | | | |
| Bachelor's | 0.2 | 0.5 | 0.7 | 1.1 | 2.2 | 2.5 | 2.6 | 2.4 | 3.2 | 5.8 |
| Master's | 0.2 | 0.4 | 0.6 | 1.0 | 1.9 | 2.3 | 2.1 | 1.9 | 2.5 | 4.8 |
| Doctorate | 0.1 | 0.2 | 0.2 | 0.5 | 0.6 | 0.5 | 1.3 | 0.8 | 0.6 | 2.8 |
| Professional | 0.1 | 0.3 | 0.3 | 0.7 | 1.1 | 1.3 | 1.1 | 1.6 | 2.2 | 1.8 |
| Highest degree field | | | | | | | | | | |
| S&E field | 0.3 | 0.5 | 0.7 | 1.2 | 2.3 | 2.5 | 2.6 | 2.8 | 2.9 | 5.2 |
| Biological/agricultural/environmental life sciences | 0.2 | 0.3 | 0.4 | 0.6 | 1.1 | 1.0 | 1.9 | 1.5 | 1.3 | 2.5 |
| Computer and mathematical sciences | 0.1 | 0.3 | 0.5 | 0.6 | 1.2 | 2.0 | 1.7 | 1.2 | 1.9 | 3.4 |
| Physical and related sciences | 0.1 | 0.2 | 0.3 | 0.5 | 0.8 | 1.0 | 0.7 | 0.9 | 0.8 | 1.1 |
| Social and related sciences | 0.3 | 0.4 | 0.5 | 1.2 | 2.3 | 2.0 | 1.8 | 2.5 | 2.3 | 4.9 |
| Engineering | 0.1 | 0.4 | 0.5 | 1.0 | 2.0 | 1.4 | 1.7 | 1.9 | 2.0 | 2.7 |
| S&E-related field | 0.2 | 0.4 | 0.6 | 1.0 | 2.2 | 2.2 | 2.5 | 2.5 | 2.6 | 3.8 |
| Non-S&E field | 0.2 | 0.4 | 0.5 | 0.9 | 1.6 | 1.9 | 1.9 | 2.0 | 2.3 | 5.0 |

TABLE A-30. Standard errors for birthplace of scientists and engineers, by region and other selected characteristics: 2003
(Percent)

| Characteristic | Place of immigrants' birth | | | | | | | | | |
|---|----------------------------|-------------------|------|--------|------------------|-----------|--------|--|---|--------------------|
| | U.S. citizen at birth | All immigrants | Asia | Europe | South America | Caribbean | Africa | North America (except United States) | Central America (including Mexico) | Other ^a |
| Occupation | | | | | | | | | | |
| S&E occupation | 0.2 | 0.4 | 0.6 | 0.9 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 3.9 |
| Biological, agricultural, and other life scientists | 0.1 | 0.1 | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 1.0 | 0.6 | 1.2 |
| Computer and mathematical scientists | 0.1 | 0.3 | 0.5 | 0.7 | 1.1 | 1.7 | 1.5 | 1.4 | 1.6 | 2.5 |
| Physical and related scientists | 0.1 | 0.1 | 0.1 | 0.2 | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.7 |
| Social and related scientists | 0.1 | 0.1 | 0.1 | 0.3 | 0.4 | 0.3 | 0.4 | 0.5 | 0.5 | 0.8 |
| Engineers | 0.1 | 0.2 | 0.3 | 0.5 | 0.9 | 0.7 | 0.9 | 1.6 | 1.1 | 1.3 |
| S&E-related occupation | 0.2 | 0.4 | 0.6 | 1.0 | 2.0 | 2.1 | 2.2 | 2.3 | 2.0 | 4.6 |
| Non-S&E occupation | 0.3 | 0.5 | 0.6 | 1.2 | 2.4 | 2.8 | 2.4 | 2.5 | 3.1 | 6.0 |
| Not working, looking for work | 0.1 | 0.2 | 0.3 | 0.5 | 0.8 | 0.9 | 0.5 | 0.7 | 0.7 | 0.9 |
| Not in labor force | 0.2 | 0.4 | 0.5 | 0.9 | 1.3 | 1.6 | 1.3 | 1.8 | 1.7 | 2.1 |
| Most important reason for coming to U.S. | | | | | | | | | | |
| Family-related reasons | na | 0.6 | 0.7 | 1.3 | 2.2 | 2.5 | 2.2 | 2.5 | 3.0 | 5.7 |
| Educational opportunities | na | 0.5 | 0.7 | 0.9 | 2.3 | 1.8 | 2.4 | 1.6 | 2.6 | 3.9 |
| Job or economic opportunities | na | 0.4 | 0.6 | 1.0 | 2.1 | 1.5 | 2.0 | 2.5 | 2.4 | 4.1 |
| Scientific or professional infrastructure | na | 0.2 | 0.2 | 0.4 | 1.0 | 0.5 | 1.0 | 1.7 | 0.8 | 1.5 |
| Other | na | 0.3 | 0.3 | 0.8 | 1.3 | 2.2 | 1.3 | 0.6 | 1.4 | 3.9 |

na = not applicable, question was not asked; * = standard error is not calculated when estimate is less than .05; S = standard error is not calculated when estimate is suppressed for reliability or confidentiality.

S&E = science and engineering.

^a Other includes immigrants born in United States or its territories, Oceania, or abroad (not specified).

NOTES: See <http://sestat.nsf.gov/docs/ed03maj.html> for a detailed description of the educational field classification and <http://sestat.nsf.gov/docs/occ03maj.html> for a detailed description of the occupational classification. Immigrants are temporary residents, permanent residents, or naturalized U.S. citizens. It is possible for immigrants to be born in the United States without claiming citizenship; it is also possible for foreign-born individuals to be considered native-born U.S. citizens if they were born abroad to American citizen parents. Standard errors of less than 500 are rounded up to 500, and standard errors equal to or greater than 500 are rounded up to the nearest thousand; standard errors of percents are rounded up to the nearest tenth.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Scientists and Engineers Statistical Data System (SESTAT): 2003.