

TABLE 14. Distribution of definite postgraduation commitments of U.S. citizen and permanent resident doctorate recipients, by sex and major field: 2007  
(Percent distribution)

| Sex and field   | Recipients with definite commitments | Location of definite commitments |                    |                     |                                  |                    |        |         |
|---|--------------------------------------|----------------------------------|--------------------|---------------------|----------------------------------|--------------------|--------|---------|
|   |                                      | United States                    |                    |                     |                                  |                    | Abroad | Unknown |
|   |                                      | Total                            | Postdoctoral study | Academic employment | Industry employment <sup>a</sup> | Other <sup>b</sup> |        |         |
| All fields  | 100.0                                | 96.6                             | 30.4               | 35.8                | 11.9                             | 18.6               | 3.3    | 0.1     |
| Science and engineering                                 | 100.0                                | 95.8                             | 45.4               | 21.7                | 16.5                             | 12.2               | 4.1    | *       |
| Science   | 100.0                                | 95.7                             | 48.5               | 23.3                | 12.2                             | 11.8               | 4.2    | *       |
| Agricultural sciences                                   | 100.0                                | 97.2                             | 37.6               | 23.4                | 15.1                             | 21.0               | 2.8    | 0.0     |
| Biological sciences                                     | 100.0                                | 96.7                             | 73.9               | 9.3                 | 7.8                              | 5.7                | 3.3    | *       |
| Computer sciences                                       | 100.0                                | 96.6                             | 14.0               | 31.5                | 40.8                             | 10.4               | 3.4    | 0.0     |
| Earth, atmospheric, and ocean sciences                  | 100.0                                | 91.8                             | 48.7               | 18.1                | 12.5                             | 12.5               | 8.2    | 0.0     |
| Mathematics   | 100.0                                | 93.1                             | 38.0               | 37.8                | 11.2                             | 6.0                | 6.9    | 0.0     |
| Physical sciences                                       | 100.0                                | 93.8                             | 56.8               | 9.6                 | 20.6                             | 6.8                | 6.2    | 0.0     |
| Chemistry   | 100.0                                | 96.4                             | 54.2               | 10.2                | 25.4                             | 6.5                | 3.6    | 0.0     |
| Physics and astronomy                                   | 100.0                                | 90.1                             | 60.3               | 8.8                 | 13.7                             | 7.3                | 9.9    | 0.0     |
| Psychology  | 100.0                                | 98.0                             | 48.3               | 21.4                | 9.9                              | 18.5               | 1.9    | 0.1     |
| Social sciences   | 100.0                                | 94.3                             | 14.7               | 54.1                | 7.2                              | 18.3               | 5.6    | 0.1     |
| Engineering   | 100.0                                | 96.5                             | 27.7               | 12.6                | 41.7                             | 14.6               | 3.4    | 0.1     |
| Aerospace, aeronautical, and astronautical engineering  | 100.0                                | D                                | 16.7               | 10.3                | 37.2                             | D                  | D      | 0.0     |
| Chemical engineering                                    | 100.0                                | 95.9                             | 31.4               | 2.3                 | 58.2                             | 4.1                | 4.1    | 0.0     |
| Civil engineering                                       | 100.0                                | 96.4                             | 20.2               | 24.4                | 33.9                             | 17.9               | 3.6    | 0.0     |
| Electrical, electronics, and communications engineering | 100.0                                | 97.6                             | 19.4               | 14.0                | 49.9                             | 14.3               | 2.4    | 0.0     |
| Industrial and manufacturing engineering                | 100.0                                | D                                | 13.5               | 34.6                | 34.6                             | D                  | D      | 0.0     |
| Materials science engineering                           | 100.0                                | 93.9                             | 36.0               | 3.7                 | 43.9                             | 10.4               | 6.1    | 0.0     |
| Mechanical engineering                                  | 100.0                                | D                                | 28.7               | 13.5                | 42.6                             | D                  | D      | 0.4     |
| Other engineering                                       | 100.0                                | 96.3                             | 34.4               | 12.7                | 31.7                             | 17.6               | 3.7    | 0.0     |
| Non-science and engineering                             | 100.0                                | 97.7                             | 8.9                | 55.9                | 5.3                              | 27.7               | 2.2    | 0.1     |
| Male, all fields  | 100.0                                | 96.0                             | 32.1               | 32.2                | 15.4                             | 16.3               | 3.9    | 0.1     |
| Science and engineering                                 | 100.0                                | 95.5                             | 43.6               | 20.0                | 20.2                             | 11.7               | 4.5    | *       |
| Science   | 100.0                                | 95.1                             | 47.8               | 22.1                | 14.4                             | 10.8               | 4.9    | *       |
| Agricultural sciences                                   | 100.0                                | D                                | 33.9               | 25.2                | 17.3                             | D                  | D      | 0.0     |
| Biological sciences                                     | 100.0                                | 96.7                             | 75.5               | 8.3                 | 7.7                              | 5.2                | 3.3    | 0.0     |
| Computer sciences                                       | 100.0                                | D                                | 12.9               | 30.2                | 42.8                             | D                  | D      | 0.0     |
| Earth, atmospheric, and ocean sciences                  | 100.0                                | 92.8                             | 46.2               | 18.5                | 14.9                             | 13.3               | 7.2    | 0.0     |
| Mathematics   | 100.0                                | 92.0                             | 40.4               | 34.9                | 10.8                             | 5.9                | 8.0    | 0.0     |
| Physical sciences                                       | 100.0                                | 93.1                             | 57.0               | 7.7                 | 21.8                             | 6.6                | 6.9    | 0.0     |
| Chemistry   | 100.0                                | 95.8                             | 53.1               | 8.1                 | 27.6                             | 7.0                | 4.2    | 0.0     |
| Physics and astronomy                                   | 100.0                                | 90.0                             | 61.3               | 7.3                 | 15.2                             | 6.2                | 10.0   | 0.0     |
| Psychology  | 100.0                                | 97.4                             | 44.5               | 23.3                | 11.1                             | 18.4               | 2.6    | 0.0     |
| Social sciences   | 100.0                                | 93.6                             | 13.8               | 53.3                | 7.9                              | 18.6               | 6.1    | 0.2     |
| Engineering   | 100.0                                | 97.0                             | 27.1               | 11.7                | 43.0                             | 15.1               | 3.0    | 0.1     |
| Aerospace, aeronautical, and astronautical engineering  | 100.0                                | D                                | D                  | D                   | D                                | 34.3               | D      | 0.0     |

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(Percent distribution)

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|---|--------------------------------------|----------------------------------|--------------------|---------------------|----------------------------------|--------------------|--------|---------|
|   |                                      | United States                    |                    |                     |                                  |                    | Abroad | Unknown |
|   |                                      | Total                            | Postdoctoral study | Academic employment | Industry employment <sup>a</sup> | Other <sup>b</sup> |        |         |
| Chemical engineering                                    | 100.0                                | D                                | 29.9               | D                   | 60.5                             | D                  | D      | 0.0     |
| Civil engineering                                       | 100.0                                | D                                | 20.5               | 21.2                | 34.8                             | D                  | D      | 0.0     |
| Electrical, electronics, and communications engineering | 100.0                                | D                                | 20.3               | D                   | 47.9                             | 14.8               | D      | 0.0     |
| Industrial and manufacturing engineering                | 100.0                                | D                                | D                  | 34.3                | D                                | D                  | D      | 0.0     |
| Materials science engineering                           | 100.0                                | D                                | 42.1               | D                   | 42.1                             | 9.9                | D      | 0.0     |
| Mechanical engineering                                  | 100.0                                | D                                | 28.4               | D                   | 43.8                             | D                  | D      | 0.5     |
| Other engineering                                       | 100.0                                | 96.7                             | 32.8               | 12.0                | 33.7                             | 18.1               | 3.3    | 0.0     |
| Non-science and engineering                             | 100.0                                | 97.2                             | 8.5                | 57.3                | 5.6                              | 25.8               | 2.7    | 0.1     |
| Female, all fields                                      | 100.0                                | 97.2                             | 28.8               | 39.2                | 8.4                              | 20.8               | 2.7    | 0.1     |
| Science and engineering                                 | 100.0                                | 96.3                             | 47.8               | 23.9                | 11.8                             | 12.9               | 3.6    | *       |
| Science   | 100.0                                | 96.4                             | 49.3               | 24.5                | 9.7                              | 12.9               | 3.5    | *       |
| Agricultural sciences                                   | 100.0                                | D                                | 43.2               | 20.7                | 11.8                             | D                  | D      | 0.0     |
| Biological sciences                                     | 100.0                                | 96.7                             | 72.2               | 10.3                | 7.9                              | 6.3                | 3.2    | 0.1     |
| Computer sciences                                       | 100.0                                | D                                | 18.8               | 37.6                | 31.8                             | D                  | D      | 0.0     |
| Earth, atmospheric, and ocean sciences                  | 100.0                                | 90.3                             | 52.3               | 17.6                | 9.1                              | 11.4               | 9.7    | 0.0     |
| Mathematics   | 100.0                                | 95.7                             | 32.4               | 44.6                | 12.2                             | 6.5                | 4.3    | 0.0     |
| Physical sciences                                       | 100.0                                | 95.5                             | 56.2               | 14.1                | 17.9                             | 7.3                | 4.5    | 0.0     |
| Chemistry   | 100.0                                | 97.5                             | 56.2               | 13.9                | 21.8                             | 5.7                | 2.5    | 0.0     |
| Physics and astronomy                                   | 100.0                                | 90.3                             | 56.5               | 14.5                | 8.1                              | 11.3               | 9.7    | 0.0     |
| Psychology  | 100.0                                | 98.3                             | 49.9               | 20.6                | 9.4                              | 18.5               | 1.6    | 0.1     |
| Social sciences   | 100.0                                | 94.9                             | 15.6               | 54.8                | 6.5                              | 18.0               | 5.1    | 0.0     |
| Engineering   | 100.0                                | 95.1                             | 29.7               | 15.6                | 37.1                             | 12.8               | 4.9    | 0.0     |
| Aerospace, aeronautical, and astronautical engineering  | 100.0                                | D                                | D                  | D                   | D                                | D                  | D      | 0.0     |
| Chemical engineering                                    | 100.0                                | D                                | 35.8               | D                   | 50.9                             | D                  | D      | 0.0     |
| Civil engineering                                       | 100.0                                | D                                | 19.4               | 36.1                | 30.6                             | D                  | D      | 0.0     |
| Electrical, electronics, and communications engineering | 100.0                                | D                                | 13.3               | D                   | 62.2                             | 11.1               | D      | 0.0     |
| Industrial and manufacturing engineering                | 100.0                                | 100.0                            | D                  | 35.3                | D                                | D                  | D      | 0.0     |
| Materials science engineering                           | 100.0                                | D                                | 18.6               | D                   | 48.8                             | 11.6               | D      | 0.0     |

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|                             |                                      | United States                    |                    |                     |                                  |                    | Abroad | Unknown |
|                             |                                      | Total                            | Postdoctoral study | Academic employment | Industry employment <sup>a</sup> | Other <sup>b</sup> |        |         |
| Mechanical engineering      | 100.0                                | 100.0                            | 31.0               | D                   | 34.5                             | D                  | D      | 0.0     |
| Other engineering           | 100.0                                | 95.5                             | 37.6               | 14.0                | 27.4                             | 16.6               | 4.5    | 0.0     |
| Non-science and engineering | 100.0                                | 98.1                             | 9.1                | 55.1                | 5.0                              | 28.9               | 1.8    | 0.1     |

\* = less than 0.05%; D = suppressed to avoid disclosure of confidential information.

<sup>a</sup> Includes doctorate recipients who indicated self-employment.

<sup>b</sup> Includes doctorate recipients who indicated government, nonprofit, elementary/secondary school, or other employment, and those with unknown employment.

NOTES: Data exclude non-U.S. citizens with temporary visas and those of unknown citizenship. Categories are grouped according to National Science Foundation taxonomy, which is different from the classification listed in questionnaire and summary reports. That is, the following categories are included in social sciences and not in humanities: American/U.S. studies; history, science and technology, and society; and archaeology. In addition, public administration is included in social sciences and not in professional fields, agricultural economics is included in social sciences and not in biological sciences, and agricultural business and management is included in business management/administration and not in agricultural sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates, 2007, including updates received in 2008.