

Appendix table 5-33

(Page 1 of 3)

**S&E doctorate holders employed in academia with Federal support, by degree field, years since doctorate, and type of position: 1975–2001**

(Percent)

| Field                    | 1–3 years since doctorate |                   |                 |          | 4–7 years since doctorate |                   |                 |          |
|--------------------------|---------------------------|-------------------|-----------------|----------|---------------------------|-------------------|-----------------|----------|
|                          | All positions             | Full-time faculty | Other full time | Postdocs | All positions             | Full-time faculty | Other full time | Postdocs |
| <b>All fields</b>        |                           |                   |                 |          |                           |                   |                 |          |
| 1975 .....               | 44.2                      | 31.1              | 58.3            | 87.8     | 42.5                      | 40.0              | 66.2            | 83.2     |
| 1977 .....               | 44.5                      | 28.8              | 61.2            | 87.0     | 42.2                      | 37.8              | 71.6            | 85.3     |
| 1979 .....               | 47.2                      | 29.6              | 58.9            | 86.6     | 43.0                      | 37.4              | 67.3            | 83.1     |
| 1981 .....               | 51.0                      | 30.8              | 63.1            | 87.9     | 46.5                      | 41.2              | 64.8            | 86.9     |
| 1983 .....               | 50.2                      | 33.7              | 59.0            | 86.1     | 50.1                      | 45.3              | 68.1            | 84.8     |
| 1985 <sup>a</sup> .....  | 43.2                      | 23.9              | 59.3            | 79.1     | 42.4                      | 36.2              | 63.3            | 81.0     |
| 1987 .....               | 53.3                      | 36.7              | 56.1            | 82.0     | 54.8                      | 49.7              | 71.6            | 84.2     |
| 1989 .....               | 57.2                      | 38.7              | 58.7            | 84.7     | 57.8                      | 53.5              | 70.0            | 89.1     |
| 1991 .....               | 53.6                      | 38.3              | 56.6            | 83.8     | 57.4                      | 53.4              | 66.6            | 88.7     |
| 1993 <sup>a</sup> .....  | 43.5                      | 20.8              | 43.7            | 80.7     | 41.1                      | 34.0              | 46.8            | 87.3     |
| 1995 <sup>a</sup> .....  | 47.0                      | 23.2              | 40.1            | 78.5     | 43.9                      | 36.1              | 52.0            | 86.0     |
| 1997 <sup>a</sup> .....  | 45.3                      | 21.0              | 42.4            | 74.1     | 41.9                      | 33.7              | 49.6            | 78.5     |
| 1999 .....               | 52.8                      | 28.8              | 45.5            | 79.5     | 47.4                      | 41.4              | 46.6            | 83.3     |
| 2001 .....               | 48.4                      | 29.4              | 45.5            | 73.4     | 46.1                      | 39.8              | 50.7            | 78.6     |
| <b>Physical sciences</b> |                           |                   |                 |          |                           |                   |                 |          |
| 1975 .....               | 64.1                      | 27.9              | 60.7            | 93.2     | 43.8                      | 36.6              | 77.3            | 85.1     |
| 1977 .....               | 63.2                      | 28.9              | 95.7            | 88.5     | 51.6                      | 40.5              | 77.5            | 92.4     |
| 1979 .....               | 59.1                      | 25.5              | 73.7            | 84.7     | 52.0                      | 39.0              | 72.1            | 91.7     |
| 1981 .....               | 69.3                      | 25.2              | 94.3            | 88.1     | 57.9                      | 49.4              | 84.5            | 97.9     |
| 1983 .....               | 70.4                      | 33.8              | 82.7            | 88.2     | 66.2                      | 56.3              | 85.3            | 84.8     |
| 1985 <sup>a</sup> .....  | 64.3                      | 18.7              | 86.6            | 84.6     | 50.8                      | 35.7              | 78.7            | 91.4     |
| 1987 .....               | 80.9                      | 66.7              | 69.9            | 90.2     | 68.7                      | 56.0              | 97.1            | 93.1     |
| 1989 .....               | 77.9                      | 49.2              | 82.1            | 88.0     | 72.4                      | 61.9              | 89.0            | 90.6     |
| 1991 .....               | 69.9                      | 44.1              | 78.8            | 87.2     | 67.2                      | 55.1              | 88.5            | 100.0    |
| 1993 <sup>a</sup> .....  | 63.1                      | 21.3              | 64.9            | 84.5     | 58.2                      | 43.9              | 70.0            | 94.5     |
| 1995 <sup>a</sup> .....  | 62.8                      | 21.0              | 41.9            | 84.1     | 53.9                      | 37.8              | 60.2            | 86.7     |
| 1997 <sup>a</sup> .....  | 64.2                      | 30.0              | 71.4            | 77.7     | 53.4                      | 41.2              | 67.9            | 96.5     |
| 1999 .....               | 68.0                      | 39.3              | 69.9            | 80.5     | 57.0                      | 46.7              | 65.5            | 89.4     |
| 2001 .....               | 62.2                      | 31.0              | 55.4            | 80.9     | 54.1                      | 39.4              | 73.9            | 83.7     |
| <b>Mathematics</b>       |                           |                   |                 |          |                           |                   |                 |          |
| 1975 .....               | 14.5                      | 13.0              | 37.6            | 28.3     | 18.9                      | 18.5              | 0.0             | 57.9     |
| 1977 .....               | 16.2                      | 12.2              | 45.9            | 56.4     | 19.2                      | 17.6              | 82.0            | 52.2     |
| 1979 .....               | 24.8                      | 22.5              | 52.9            | 42.5     | 32.3                      | 30.2              | 64.9            | 46.9     |
| 1981 .....               | 10.8                      | 9.5               | 0.0             | 44.1     | 29.7                      | 27.6              | 62.7            | 81.5     |
| 1983 .....               | 31.8                      | 29.8              | 7.1             | 73.4     | 39.8                      | 39.8              | 51.3            | 100.0    |
| 1985 <sup>a</sup> .....  | 14.7                      | 14.1              | —               | 34.6     | 27.0                      | 26.8              | 26.7            | 100.0    |
| 1987 .....               | 15.6                      | 7.4               | 81.8            | 37.6     | 34.9                      | 35.5              | 7.3             | 10.3     |
| 1989 .....               | 29.1                      | 24.9              | 53.8            | 52.4     | 39.0                      | 39.1              | 78.6            | 100.0    |
| 1991 .....               | 39.8                      | 35.8              | 54.9            | 80.4     | 28.3                      | 28.6              | 40.9            | —        |
| 1993 <sup>a</sup> .....  | 15.7                      | 14.8              | 0.0             | 100.0    | 15.2                      | 14.0              | 100.0           | —        |
| 1995 <sup>a</sup> .....  | 17.7                      | 13.4              | 0.0             | 40.0     | 25.6                      | 19.6              | 42.4            | 70.6     |
| 1997 <sup>a</sup> .....  | 14.9                      | 3.5               | 29.1            | 32.9     | 16.7                      | 14.9              | 0.0             | 42.2     |
| 1999 .....               | 36.4                      | 24.0              | 0.0             | 58.7     | 32.2                      | 33.5              | 0.0             | 47.2     |
| 2001 .....               | 34.6                      | 21.6              | 34.6            | 56.3     | 42.2                      | 38.6              | 62.4            | 100.0    |
| <b>Computer sciences</b> |                           |                   |                 |          |                           |                   |                 |          |
| 1975 .....               | NA                        | NA                | NA              | NA       | NA                        | NA                | NA              | NA       |
| 1977 .....               | NA                        | NA                | NA              | NA       | NA                        | NA                | NA              | NA       |
| 1979 .....               | 34.8                      | 25.0              | —               | 57.1     | —                         | —                 | —               | —        |
| 1981 .....               | 27.7                      | 24.1              | 25.0            | 100.0    | 52.4                      | 52.4              | —               | —        |
| 1983 .....               | 45.7                      | 35.1              | 60.0            | 100.0    | 43.5                      | 40.4              | 92.3            | —        |
| 1985 <sup>a</sup> .....  | 54.1                      | 46.4              | 77.2            | 0.0      | 36.7                      | 31.0              | 100.0           | —        |
| 1987 .....               | 47.2                      | 46.3              | 42.0            | 100.0    | 73.2                      | 66.3              | 100.0           | 0.0      |
| 1989 .....               | 33.0                      | 29.3              | 50.0            | 100.0    | 70.8                      | 78.0              | 35.7            | 100.0    |
| 1991 .....               | 23.1                      | 23.1              | 25.1            | —        | 66.2                      | 63.9              | 100.0           | 100.0    |
| 1993 <sup>a</sup> .....  | 44.7                      | 39.5              | 100.0           | 100.0    | 30.7                      | 30.9              | 27.3            | 100.0    |
| 1995 <sup>a</sup> .....  | 38.2                      | 31.4              | 61.1            | 75.9     | 38.1                      | 38.3              | 23.9            | —        |
| 1997 <sup>a</sup> .....  | 40.5                      | 29.7              | 74.3            | 97.0     | 40.4                      | 37.7              | 75.6            | —        |

Appendix table 5-33

(Page 2 of 3)

**S&E doctorate holders employed in academia with Federal support, by degree field, years since doctorate, and type of position: 1975–2001**

(Percent)

| Field   | 1–3 years since doctorate |                   |                 |          | 4–7 years since doctorate |                   |                 |          |
|---|---------------------------|-------------------|-----------------|----------|---------------------------|-------------------|-----------------|----------|
|   | All positions             | Full-time faculty | Other full time | Postdocs | All positions             | Full-time faculty | Other full time | Postdocs |
| 1999 .....                                    | 59.7                      | 50.6              | 77.5            | 100.0    | 56.6                      | 56.5              | 85.9            | —        |
| 2001 .....                                    | 31.4                      | 25.9              | 44.2            | 100.0    | 49.2                      | 47.3              | 53.2            | —        |
| <b>Earth, atmospheric, and ocean sciences</b> |                           |                   |                 |          |                           |                   |                 |          |
| 1975 .....                                    | 50.7                      | 38.4              | 85.3            | 74.2     | 54.0                      | 49.8              | 97.0            | 100.0    |
| 1977 .....                                    | 44.3                      | 22.5              | 60.5            | 94.4     | 46.9                      | 38.3              | 82.1            | 100.0    |
| 1979 .....                                    | 67.2                      | 41.3              | 97.3            | 96.7     | 49.6                      | 43.1              | 72.3            | 100.0    |
| 1981 .....                                    | 66.1                      | 43.2              | 79.7            | 100.0    | 57.2                      | 53.3              | 72.7            | 0.0      |
| 1983 .....                                    | 61.8                      | 36.7              | 75.7            | 92.8     | 64.5                      | 59.5              | 100.0           | 66.7     |
| 1985 <sup>a</sup> .....                       | 56.0                      | 33.4              | 83.9            | 96.4     | 59.6                      | 50.6              | 81.2            | 100.0    |
| 1987 .....                                    | 64.2                      | 42.3              | 87.9            | 89.6     | 71.1                      | 61.9              | 88.9            | 100.0    |
| 1989 .....                                    | 70.4                      | 52.8              | 88.5            | 90.1     | 81.2                      | 78.0              | 92.9            | 93.8     |
| 1991 .....                                    | 76.0                      | 61.7              | 100.0           | 77.4     | 76.6                      | 75.3              | 100.0           | 64.1     |
| 1993 <sup>a</sup> .....                       | 68.2                      | 33.0              | 97.8            | 74.2     | 59.9                      | 50.2              | 72.6            | 100.0    |
| 1995 <sup>a</sup> .....                       | 65.4                      | 35.8              | 87.4            | 88.0     | 66.4                      | 58.9              | 86.2            | 100.0    |
| 1997 <sup>a</sup> .....                       | 67.3                      | 35.0              | 74.7            | 94.2     | 57.1                      | 49.4              | 70.7            | 69.4     |
| 1999 .....                                    | 61.7                      | 42.9              | 89.7            | 79.8     | 65.3                      | 62.7              | 75.6            | 55.5     |
| 2001 .....                                    | 80.7                      | 64.0              | 84.2            | 90.0     | 54.1                      | 48.7              | 69.3            | 95.6     |
| <b>Life sciences</b>                          |                           |                   |                 |          |                           |                   |                 |          |
| 1975 .....                                    | 61.8                      | 46.4              | 72.5            | 87.6     | 60.1                      | 57.6              | 76.2            | 87.5     |
| 1977 .....                                    | 61.6                      | 38.1              | 70.4            | 88.9     | 59.6                      | 56.6              | 73.3            | 90.2     |
| 1979 .....                                    | 65.9                      | 40.6              | 75.8            | 85.9     | 57.3                      | 51.4              | 76.5            | 84.2     |
| 1981 .....                                    | 71.8                      | 51.7              | 76.5            | 88.1     | 64.0                      | 58.8              | 70.8            | 85.7     |
| 1983 .....                                    | 68.2                      | 52.8              | 65.1            | 84.7     | 67.1                      | 64.5              | 72.6            | 83.7     |
| 1985 <sup>a</sup> .....                       | 59.6                      | 34.1              | 67.2            | 78.9     | 61.1                      | 55.6              | 72.3            | 81.7     |
| 1987 .....                                    | 70.2                      | 53.5              | 73.8            | 82.1     | 71.4                      | 68.3              | 81.0            | 83.0     |
| 1989 .....                                    | 74.5                      | 50.2              | 79.3            | 89.1     | 71.9                      | 67.5              | 79.1            | 89.3     |
| 1991 .....                                    | 68.1                      | 49.9              | 60.0            | 83.0     | 70.6                      | 66.8              | 79.2            | 86.3     |
| 1993 <sup>a</sup> .....                       | 61.2                      | 32.2              | 44.8            | 81.9     | 55.7                      | 46.4              | 52.0            | 86.7     |
| 1995 <sup>a</sup> .....                       | 58.5                      | 30.3              | 35.3            | 80.3     | 54.0                      | 43.9              | 47.4            | 87.4     |
| 1997 <sup>a</sup> .....                       | 58.3                      | 23.0              | 42.2            | 77.5     | 52.3                      | 42.4              | 48.4            | 78.8     |
| 1999 .....                                    | 65.0                      | 35.0              | 46.2            | 82.4     | 57.2                      | 47.2              | 49.3            | 83.0     |
| 2001 .....                                    | 59.2                      | 34.2              | 39.0            | 76.8     | 56.4                      | 48.9              | 49.5            | 78.8     |
| <b>Psychology</b>                             |                           |                   |                 |          |                           |                   |                 |          |
| 1975 .....                                    | 35.0                      | 25.5              | 53.7            | 88.5     | 35.3                      | 34.9              | 32.8            | 71.2     |
| 1977 .....                                    | 35.3                      | 26.8              | 71.7            | 86.0     | 31.5                      | 27.9              | 60.5            | 73.0     |
| 1979 .....                                    | 35.2                      | 22.5              | 22.2            | 95.5     | 39.3                      | 31.4              | 76.5            | 87.6     |
| 1981 .....                                    | 46.5                      | 33.2              | 41.6            | 93.4     | 34.7                      | 28.6              | 54.5            | 88.2     |
| 1983 .....                                    | 31.2                      | 19.8              | 34.2            | 89.3     | 32.3                      | 28.2              | 37.1            | 87.2     |
| 1985 <sup>a</sup> .....                       | 30.6                      | 15.6              | 44.5            | 70.1     | 29.2                      | 26.2              | 38.7            | 72.5     |
| 1987 .....                                    | 37.5                      | 28.5              | 28.8            | 82.7     | 33.2                      | 25.6              | 40.3            | 97.9     |
| 1989 .....                                    | 41.7                      | 34.6              | 36.1            | 64.9     | 36.1                      | 36.7              | 33.1            | 63.1     |
| 1991 .....                                    | 35.9                      | 23.9              | 24.3            | 100.0    | 38.8                      | 38.6              | 24.8            | 86.9     |
| 1993 <sup>a</sup> .....                       | 21.6                      | 12.0              | 27.5            | 61.6     | 23.2                      | 24.6              | 15.5            | 48.2     |
| 1995 <sup>a</sup> .....                       | 33.5                      | 17.5              | 40.6            | 63.5     | 26.1                      | 21.8              | 36.0            | 82.1     |
| 1997 <sup>a</sup> .....                       | 34.5                      | 24.2              | 19.0            | 70.9     | 29.5                      | 22.3              | 36.4            | 77.3     |
| 1999 .....                                    | 33.4                      | 22.4              | 29.9            | 63.6     | 35.6                      | 34.7              | 23.8            | 100.0    |
| 2001 .....                                    | 35.5                      | 20.0              | 41.7            | 64.1     | 34.9                      | 32.6              | 42.7            | 45.6     |
| <b>Social sciences</b>                        |                           |                   |                 |          |                           |                   |                 |          |
| 1975 .....                                    | 23.1                      | 22.5              | 29.0            | 61.7     | 26.2                      | 26.2              | 42.4            | 39.2     |
| 1977 .....                                    | 24.8                      | 24.2              | 12.3            | 61.4     | 24.6                      | 23.2              | 56.3            | 48.0     |
| 1979 .....                                    | 26.6                      | 22.8              | 37.6            | 97.5     | 20.8                      | 19.2              | 52.2            | 70.8     |
| 1981 .....                                    | 20.4                      | 16.3              | 48.7            | 56.0     | 24.3                      | 24.3              | 25.2            | 60.0     |
| 1983 .....                                    | 28.2                      | 23.6              | 49.0            | 77.9     | 28.1                      | 23.6              | 57.5            | 93.8     |
| 1985 <sup>a</sup> .....                       | 15.6                      | 12.3              | 27.8            | 44.4     | 19.3                      | 15.7              | 51.0            | 41.0     |
| 1987 .....                                    | 22.5                      | 20.9              | 34.5            | 21.4     | 29.9                      | 27.7              | 54.0            | 0.0      |
| 1989 .....                                    | 25.6                      | 24.7              | 24.3            | 41.9     | 33.2                      | 31.6              | 51.4            | 83.9     |
| 1991 .....                                    | 21.7                      | 19.5              | 38.8            | 31.7     | 36.6                      | 33.8              | 44.2            | 100.0    |
| 1993 <sup>a</sup> .....                       | 11.2                      | 7.2               | 25.4            | 88.2     | 14.9                      | 14.4              | 21.9            | 100.0    |

Appendix table 5-33

(Page 3 of 3)

**S&E doctorate holders employed in academia with Federal support, by degree field, years since doctorate, and type of position: 1975–2001**

(Percent)

| Field                   | 1–3 years since doctorate |                   |                 |          | 4–7 years since doctorate |                   |                 |          |
|-------------------------|---------------------------|-------------------|-----------------|----------|---------------------------|-------------------|-----------------|----------|
|                         | All positions             | Full-time faculty | Other full time | Postdocs | All positions             | Full-time faculty | Other full time | Postdocs |
| 1995 <sup>a</sup> ..... | 15.9                      | 10.7              | 28.8            | 80.8     | 17.8                      | 16.0              | 41.8            | 49.8     |
| 1997 <sup>a</sup> ..... | 14.1                      | 10.9              | 26.8            | 33.7     | 17.4                      | 15.6              | 26.3            | 57.7     |
| 1999 .....              | 21.1                      | 15.2              | 26.1            | 77.1     | 22.8                      | 21.7              | 31.3            | 48.1     |
| 2001 .....              | 20.5                      | 21.2              | 24.0            | 41.8     | 21.2                      | 20.3              | 28.0            | 63.3     |
| <b>Engineering</b>      |                           |                   |                 |          |                           |                   |                 |          |
| 1975 .....              | 53.7                      | 48.9              | 65.8            | 83.8     | 54.4                      | 53.1              | 82.3            | 100.0    |
| 1977 .....              | 55.2                      | 47.2              | 84.8            | 72.9     | 52.9                      | 52.3              | 64.8            | 64.9     |
| 1979 .....              | 55.5                      | 48.5              | 71.9            | 99.4     | 55.1                      | 58.8              | 33.8            | 16.9     |
| 1981 .....              | 54.4                      | 43.2              | 100.0           | 100.0    | 65.6                      | 61.9              | 83.9            | 100.0    |
| 1983 .....              | 47.1                      | 36.7              | 58.2            | 98.3     | 64.3                      | 62.2              | 99.0            | 100.0    |
| 1985 <sup>a</sup> ..... | 43.9                      | 37.8              | 66.1            | 94.5     | 47.6                      | 46.3              | 66.4            | 0.0      |
| 1987 .....              | 53.3                      | 43.7              | 79.2            | 75.7     | 65.5                      | 64.2              | 97.6            | 100.0    |
| 1989 .....              | 56.0                      | 48.9              | 71.9            | 73.3     | 70.8                      | 68.6              | 91.8            | 100.0    |
| 1991 .....              | 66.6                      | 62.1              | 67.7            | 89.9     | 73.2                      | 73.0              | 79.7            | 100.0    |
| 1993 <sup>a</sup> ..... | 43.4                      | 32.1              | 65.1            | 68.7     | 51.2                      | 49.4              | 65.9            | 70.3     |
| 1995 <sup>a</sup> ..... | 51.1                      | 38.5              | 50.3            | 72.6     | 62.1                      | 60.3              | 72.5            | 86.5     |
| 1997 <sup>a</sup> ..... | 50.0                      | 35.5              | 66.4            | 66.3     | 51.3                      | 48.4              | 62.5            | 60.5     |
| 1999 .....              | 58.5                      | 40.0              | 70.9            | 78.1     | 55.5                      | 56.4              | 44.8            | 94.2     |
| 2001 .....              | 54.9                      | 49.1              | 77.0            | 57.1     | 58.3                      | 59.2              | 54.9            | 74.2     |

— too few cases

NA not available

<sup>a</sup>Not comparable to the other years and understates degree of Federal support by asking whether work performed during the week of April 15 was supported by the Government. In other years, question pertains to work conducted over course of a year.

NOTES: Recent doctorate holders are defined as having earned their doctorate within 3 years or within 4–7 years, respectively, preceding the survey year. Full-time faculty includes full, associate, and assistant professors plus instructors. Other types of full-time positions include nonfaculty appointments such as research associates, adjunct appointments, lecturers, and administrative positions.

SOURCE: National Science Foundation, Division of Science Resources Statistics, Survey of Doctorate Recipients, unpublished tabulations.