

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1995–2004

| Race/ethnicity and field                  | 1995   | 1996   | 1997   | 1998   | 1999   | 2000   | 2001   | 2002   | 2003   | 2004   |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| All fields                                | 14,965 | 14,720 | 15,047 | 14,872 | 14,514 | 14,155 | 13,642 | 12,855 | 13,077 | 12,986 |
| Science and engineering                   | 9,596  | 9,581  | 9,884  | 9,736  | 9,443  | 9,081  | 8,689  | 8,148  | 8,299  | 8,323  |
| Science                                   | 7,584  | 7,403  | 7,560  | 7,547  | 7,383  | 7,280  | 6,953  | 6,622  | 6,768  | 6,794  |
| Agricultural sciences                     | 419    | 363    | 377    | 334    | 338    | 324    | 291    | 290    | 345    | 321    |
| Biological sciences                       | 2,006  | 1,961  | 2,031  | 2,075  | 2,011  | 2,097  | 2,115  | 2,063  | 2,025  | 2,084  |
| Computer sciences                         | 368    | 345    | 347    | 373    | 330    | 315    | 283    | 277    | 309    | 309    |
| Earth, atmospheric, and ocean sciences    | 327    | 313    | 345    | 328    | 298    | 295    | 242    | 243    | 263    | 249    |
| Mathematics                               | 422    | 385    | 387    | 405    | 374    | 373    | 332    | 289    | 340    | 323    |
| Physical sciences                         | 1,617  | 1,611  | 1,658  | 1,629  | 1,564  | 1,408  | 1,394  | 1,288  | 1,316  | 1,289  |
| Astronomy                                 | 99     | 106    | 126    | 109    | 87     | 95     | 92     | 82     | 97     | 81     |
| Chemistry                                 | 829    | 837    | 882    | 895    | 894    | 744    | 762    | 752    | 804    | 765    |
| Physics                                   | 676    | 661    | 639    | 616    | 578    | 556    | 529    | 449    | 402    | 440    |
| Other physical sciences                   | 13     | 7      | 11     | 9      | 5      | 13     | 11     | 5      | 13     | 3      |
| Psychology                                | 1,092  | 1,022  | 987    | 1,026  | 1,042  | 1,022  | 960    | 890    | 872    | 877    |
| Social sciences                           | 1,333  | 1,403  | 1,428  | 1,377  | 1,426  | 1,446  | 1,336  | 1,282  | 1,298  | 1,342  |
| Engineering                               | 2,012  | 2,178  | 2,324  | 2,189  | 2,060  | 1,801  | 1,736  | 1,526  | 1,531  | 1,529  |
| Chemical engineering                      | 221    | 235    | 260    | 263    | 268    | 248    | 250    | 229    | 204    | 219    |
| Civil engineering                         | 170    | 175    | 204    | 196    | 207    | 179    | 163    | 161    | 176    | 135    |
| Electrical engineering                    | 604    | 625    | 679    | 572    | 577    | 463    | 422    | 379    | 360    | 366    |
| Mechanical engineering                    | 355    | 391    | 409    | 392    | 347    | 294    | 352    | 251    | 256    | 229    |
| Other engineering                         | 662    | 752    | 772    | 766    | 661    | 617    | 549    | 506    | 535    | 580    |
| Non-science and engineering               | 5,369  | 5,139  | 5,163  | 5,136  | 5,071  | 5,074  | 4,953  | 4,707  | 4,778  | 4,663  |
| Education                                 | 2,149  | 2,154  | 1,976  | 1,979  | 1,946  | 1,882  | 1,836  | 1,759  | 1,812  | 1,757  |
| Health                                    | 263    | 248    | 254    | 273    | 285    | 309    | 312    | 315    | 329    | 325    |
| Humanities                                | 1,938  | 1,855  | 2,065  | 2,072  | 2,065  | 2,116  | 2,050  | 1,984  | 1,985  | 1,899  |
| Professional/other/unknown                | 1,019  | 882    | 868    | 812    | 775    | 767    | 755    | 649    | 652    | 682    |
| American Indian/Alaska Native, all fields | 80     | 101    | 79     | 104    | 96     | 76     | 66     | 67     | 52     | 57     |
| Science and engineering                   | 42     | 60     | 45     | 54     | 59     | 43     | 39     | 35     | 34     | 33     |
| Science                                   | 33     | 48     | 31     | 45     | 49     | 39     | 35     | 28     | 25     | 30     |
| Agricultural sciences                     | 2      | 3      | 5      | 7      | 1      | 4      | 0      | 2      | 3      | 2      |
| Biological sciences                       | 10     | 11     | 4      | 6      | 10     | 10     | 8      | 6      | 3      | 10     |
| Computer sciences                         | 0      | 2      | 0      | 4      | 0      | 1      | 0      | 1      | 2      | 2      |
| Earth, atmospheric, and ocean sciences    | 0      | 1      | 1      | 2      | 3      | 3      | 0      | 0      | 1      | 4      |
| Mathematics                               | 1      | 1      | 1      | 1      | 1      | 1      | 0      | 2      | 1      | 0      |
| Physical sciences                         | 5      | 5      | 10     | 8      | 6      | 7      | 10     | 7      | 1      | 4      |
| Astronomy                                 | 0      | 0      | 1      | 1      | 0      | 0      | 1      | 0      | 0      | 0      |
| Chemistry                                 | 3      | 3      | 6      | 6      | 3      | 6      | 9      | 5      | 1      | 4      |
| Physics                                   | 2      | 2      | 2      | 1      | 3      | 1      | 0      | 2      | 0      | 0      |
| Other physical sciences                   | 0      | 0      | 1      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Psychology                                | 6      | 8      | 6      | 13     | 12     | 3      | 5      | 7      | 8      | 4      |
| Social sciences                           | 9      | 17     | 4      | 4      | 16     | 10     | 12     | 3      | 6      | 4      |
| Engineering                               | 9      | 12     | 14     | 9      | 10     | 4      | 4      | 7      | 9      | 3      |
| Chemical engineering                      | 2      | 1      | 3      | 0      | 1      | 0      | 1      | 2      | 0      | 1      |
| Civil engineering                         | 0      | 1      | 1      | 0      | 1      | 0      | 0      | 0      | 1      | 2      |
| Electrical engineering                    | 1      | 1      | 5      | 3      | 1      | 0      | 1      | 0      | 5      | 0      |
| Mechanical engineering                    | 2      | 3      | 5      | 2      | 2      | 2      | 1      | 1      | 0      | 0      |
| Other engineering                         | 4      | 6      | 0      | 4      | 5      | 2      | 1      | 4      | 3      | 0      |
| Non-science and engineering               | 38     | 41     | 34     | 50     | 37     | 33     | 27     | 32     | 18     | 24     |
| Education                                 | 17     | 22     | 18     | 26     | 19     | 17     | 12     | 16     | 8      | 14     |
| Health                                    | 2      | 1      | 2      | 1      | 0      | 1      | 2      | 0      | 1      | 0      |
| Humanities                                | 10     | 10     | 8      | 14     | 11     | 11     | 9      | 12     | 7      | 7      |
| Professional/other/unknown                | 9      | 8      | 6      | 9      | 7      | 4      | 4      | 4      | 2      | 3      |
| Asian, all fields <sup>a</sup>            | 662    | 603    | 742    | 641    | 764    | 740    | 747    | 747    | 734    | 725    |
| Science and engineering                   | 566    | 505    | 633    | 523    | 629    | 598    | 604    | 626    | 594    | 594    |
| Science                                   | 364    | 285    | 389    | 331    | 407    | 414    | 401    | 428    | 435    | 416    |
| Agricultural sciences                     | 5      | 7      | 16     | 5      | 11     | 11     | 3      | 7      | 4      | 5      |

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| Race/ethnicity and field               | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
|--|------|------|------|------|------|------|------|------|------|------|
| Biological sciences                    | 125  | 108  | 132  | 131  | 166  | 172  | 192  | 197  | 210  | 190  |
| Computer sciences                      | 34   | 28   | 31   | 29   | 34   | 33   | 24   | 37   | 37   | 33   |
| Earth, atmospheric, and ocean sciences | 7    | 4    | 7    | 4    | 10   | 4    | 9    | 1    | 5    | 4    |
| Mathematics                            | 18   | 15   | 27   | 12   | 23   | 34   | 22   | 15   | 21   | 20   |
| Physical sciences                      | 98   | 72   | 106  | 84   | 82   | 64   | 79   | 88   | 69   | 88   |
| Astronomy                              | 3    | 3    | 6    | 5    | 2    | 6    | 6    | 9    | 5    | 4    |
| Chemistry                              | 51   | 32   | 51   | 49   | 53   | 22   | 35   | 48   | 39   | 56   |
| Physics                                | 44   | 37   | 49   | 30   | 27   | 36   | 38   | 31   | 25   | 28   |
| Other physical sciences                | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Psychology                             | 30   | 20   | 21   | 23   | 31   | 39   | 21   | 36   | 35   | 24   |
| Social sciences                        | 47   | 31   | 49   | 43   | 50   | 57   | 51   | 47   | 54   | 52   |
| Engineering                            | 202  | 220  | 244  | 192  | 222  | 184  | 203  | 198  | 159  | 178  |
| Chemical engineering                   | 16   | 17   | 14   | 27   | 23   | 29   | 24   | 37   | 28   | 33   |
| Civil engineering                      | 13   | 11   | 10   | 13   | 19   | 12   | 10   | 11   | 8    | 9    |
| Electrical engineering                 | 80   | 95   | 112  | 68   | 80   | 65   | 69   | 69   | 60   | 54   |
| Mechanical engineering                 | 33   | 36   | 42   | 29   | 37   | 30   | 43   | 24   | 19   | 32   |
| Other engineering                      | 60   | 61   | 66   | 55   | 63   | 48   | 57   | 57   | 44   | 50   |
| Non-science and engineering            | 96   | 98   | 109  | 118  | 135  | 142  | 143  | 121  | 140  | 131  |
| Education                              | 27   | 29   | 25   | 36   | 41   | 42   | 29   | 32   | 31   | 27   |
| Health                                 | 7    | 16   | 15   | 14   | 16   | 18   | 23   | 10   | 29   | 21   |
| Humanities                             | 28   | 26   | 41   | 37   | 41   | 44   | 51   | 54   | 47   | 57   |
| Professional/other/unknown             | 34   | 27   | 28   | 31   | 37   | 38   | 40   | 25   | 33   | 26   |
| Black/African American, all fields     | 487  | 531  | 528  | 524  | 609  | 560  | 591  | 612  | 598  | 644  |
| Science and engineering                | 216  | 251  | 261  | 238  | 294  | 270  | 273  | 279  | 254  | 284  |
| Science                                | 176  | 211  | 200  | 186  | 232  | 220  | 216  | 229  | 201  | 232  |
| Agricultural sciences                  | 6    | 15   | 10   | 8    | 12   | 4    | 4    | 4    | 11   | 7    |
| Biological sciences                    | 51   | 46   | 44   | 34   | 47   | 40   | 43   | 51   | 38   | 52   |
| Computer sciences                      | 5    | 9    | 3    | 4    | 8    | 8    | 3    | 10   | 12   | 10   |
| Earth, atmospheric, and ocean sciences | 0    | 0    | 2    | 4    | 4    | 2    | 3    | 4    | 5    | 5    |
| Mathematics                            | 3    | 6    | 4    | 5    | 4    | 7    | 10   | 5    | 10   | 6    |
| Physical sciences                      | 19   | 33   | 35   | 25   | 30   | 34   | 27   | 35   | 31   | 27   |
| Astronomy                              | 1    | 0    | 1    | 1    | 0    | 0    | 1    | 0    | 1    | 0    |
| Chemistry                              | 11   | 24   | 23   | 17   | 27   | 20   | 18   | 19   | 23   | 21   |
| Physics                                | 7    | 9    | 11   | 7    | 3    | 14   | 8    | 16   | 7    | 6    |
| Other physical sciences                | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Psychology                             | 37   | 38   | 37   | 38   | 36   | 42   | 48   | 39   | 39   | 48   |
| Social sciences                        | 55   | 64   | 65   | 68   | 91   | 83   | 78   | 81   | 55   | 77   |
| Engineering                            | 40   | 40   | 61   | 52   | 62   | 50   | 57   | 50   | 53   | 52   |
| Chemical engineering                   | 1    | 5    | 6    | 2    | 5    | 3    | 6    | 5    | 6    | 2    |
| Civil engineering                      | 4    | 5    | 9    | 5    | 3    | 4    | 7    | 6    | 4    | 2    |
| Electrical engineering                 | 16   | 12   | 24   | 18   | 21   | 17   | 19   | 11   | 17   | 22   |
| Mechanical engineering                 | 7    | 6    | 9    | 12   | 9    | 12   | 16   | 12   | 8    | 13   |
| Other engineering                      | 12   | 12   | 13   | 15   | 24   | 14   | 9    | 16   | 18   | 13   |
| Non-science and engineering            | 271  | 280  | 267  | 286  | 315  | 290  | 318  | 333  | 344  | 360  |
| Education                              | 176  | 184  | 155  | 176  | 185  | 175  | 196  | 200  | 224  | 224  |
| Health                                 | 14   | 10   | 12   | 11   | 8    | 11   | 9    | 12   | 15   | 23   |
| Humanities                             | 43   | 47   | 55   | 62   | 61   | 61   | 61   | 67   | 54   | 62   |
| Professional/other/unknown             | 38   | 39   | 45   | 37   | 61   | 43   | 52   | 54   | 51   | 51   |
| Hispanic, all fields <sup>b</sup>      | 463  | 480  | 543  | 610  | 510  | 546  | 498  | 540  | 592  | 543  |
| Science and engineering                | 284  | 297  | 338  | 381  | 316  | 337  | 286  | 312  | 332  | 318  |
| Science                                | 233  | 224  | 277  | 294  | 267  | 278  | 231  | 248  | 260  | 262  |
| Agricultural sciences                  | 9    | 6    | 12   | 16   | 7    | 13   | 10   | 12   | 11   | 4    |
| Biological sciences                    | 68   | 58   | 74   | 79   | 86   | 73   | 77   | 62   | 89   | 77   |
| Computer sciences                      | 2    | 7    | 13   | 12   | 9    | 9    | 3    | 11   | 5    | 9    |
| Earth, atmospheric, and ocean sciences | 4    | 9    | 10   | 10   | 14   | 12   | 3    | 11   | 6    | 5    |
| Mathematics                            | 9    | 9    | 12   | 18   | 9    | 7    | 9    | 8    | 9    | 17   |

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| Race/ethnicity and field               | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
|--|------|------|------|------|------|------|------|------|------|------|
| Physical sciences                      | 42   | 42   | 46   | 39   | 35   | 50   | 41   | 37   | 42   | 35   |
| Astronomy                              | 1    | 1    | 2    | 2    | 1    | 1    | 6    | 2    | 2    | 4    |
| Chemistry                              | 24   | 26   | 26   | 25   | 21   | 29   | 24   | 19   | 23   | 20   |
| Physics                                | 17   | 15   | 18   | 12   | 13   | 19   | 11   | 16   | 17   | 11   |
| Other physical sciences                | 0    | 0    | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 0    |
| Psychology                             | 44   | 51   | 60   | 54   | 53   | 58   | 41   | 54   | 48   | 53   |
| Social sciences                        | 55   | 42   | 50   | 66   | 54   | 56   | 47   | 53   | 50   | 62   |
| Engineering                            | 51   | 73   | 61   | 87   | 49   | 59   | 55   | 64   | 72   | 56   |
| Chemical engineering                   | 10   | 10   | 4    | 10   | 2    | 10   | 1    | 9    | 11   | 6    |
| Civil engineering                      | 6    | 2    | 9    | 12   | 5    | 7    | 6    | 7    | 7    | 13   |
| Electrical engineering                 | 13   | 23   | 17   | 25   | 24   | 19   | 13   | 25   | 18   | 10   |
| Mechanical engineering                 | 5    | 11   | 10   | 18   | 7    | 9    | 17   | 5    | 11   | 7    |
| Other engineering                      | 17   | 27   | 21   | 22   | 11   | 14   | 18   | 18   | 25   | 20   |
| Non-science and engineering            | 179  | 183  | 205  | 229  | 194  | 209  | 212  | 228  | 260  | 225  |
| Education                              | 82   | 83   | 85   | 109  | 89   | 97   | 88   | 98   | 115  | 95   |
| Health                                 | 15   | 11   | 7    | 12   | 11   | 10   | 5    | 8    | 9    | 10   |
| Humanities                             | 60   | 65   | 90   | 83   | 75   | 82   | 86   | 101  | 114  | 92   |
| Professional/other/unknown             | 22   | 24   | 23   | 25   | 19   | 20   | 33   | 21   | 22   | 28   |
| Mexican American, all fields           | 148  | 159  | 155  | 211  | 153  | 196  | 189  | 172  | 202  | 211  |
| Science and engineering                | 80   | 89   | 87   | 130  | 83   | 120  | 96   | 82   | 103  | 108  |
| Science                                | 67   | 66   | 76   | 105  | 76   | 97   | 83   | 72   | 92   | 91   |
| Agricultural sciences                  | 2    | 1    | 2    | 6    | 3    | 4    | 3    | 3    | 6    | 2    |
| Biological sciences                    | 16   | 16   | 20   | 29   | 23   | 25   | 30   | 21   | 32   | 28   |
| Computer sciences                      | 1    | 1    | 2    | 3    | 0    | 2    | 2    | 3    | 1    | 3    |
| Earth, atmospheric, and ocean sciences | 2    | 3    | 2    | 4    | 4    | 3    | 1    | 4    | 0    | 2    |
| Mathematics                            | 3    | 2    | 2    | 3    | 5    | 4    | 3    | 1    | 2    | 6    |
| Physical sciences                      | 9    | 17   | 12   | 18   | 10   | 19   | 13   | 10   | 15   | 11   |
| Astronomy                              | 0    | 1    | 0    | 1    | 0    | 0    | 3    | 0    | 1    | 1    |
| Chemistry                              | 6    | 12   | 7    | 12   | 5    | 14   | 4    | 4    | 10   | 6    |
| Physics                                | 3    | 4    | 5    | 5    | 5    | 5    | 6    | 6    | 4    | 4    |
| Other physical sciences                | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Psychology                             | 14   | 18   | 20   | 18   | 14   | 22   | 17   | 15   | 16   | 13   |
| Social sciences                        | 20   | 8    | 16   | 24   | 17   | 18   | 14   | 15   | 20   | 26   |
| Engineering                            | 13   | 23   | 11   | 25   | 7    | 23   | 13   | 10   | 11   | 17   |
| Chemical engineering                   | 2    | 3    | 2    | 1    | 0    | 3    | 0    | 1    | 2    | 2    |
| Civil engineering                      | 3    | 0    | 1    | 4    | 1    | 4    | 0    | 1    | 0    | 4    |
| Electrical engineering                 | 3    | 8    | 2    | 6    | 2    | 4    | 6    | 4    | 2    | 3    |
| Mechanical engineering                 | 1    | 4    | 2    | 3    | 1    | 6    | 4    | 1    | 2    | 0    |
| Other engineering                      | 4    | 8    | 4    | 11   | 3    | 6    | 3    | 3    | 5    | 8    |
| Non-science and engineering            | 68   | 70   | 68   | 81   | 70   | 76   | 93   | 90   | 99   | 103  |
| Education                              | 40   | 37   | 41   | 45   | 35   | 45   | 50   | 49   | 56   | 55   |
| Health                                 | 3    | 2    | 0    | 1    | 3    | 2    | 2    | 3    | 2    | 3    |
| Humanities                             | 21   | 21   | 21   | 30   | 27   | 22   | 28   | 32   | 34   | 37   |
| Professional/other/unknown             | 4    | 10   | 6    | 5    | 5    | 7    | 13   | 6    | 7    | 8    |
| Puerto Rican, all fields               | 120  | 114  | 153  | 128  | 141  | 128  | 122  | 149  | 126  | 107  |
| Science and engineering                | 74   | 74   | 98   | 69   | 88   | 77   | 68   | 92   | 75   | 65   |
| Science                                | 63   | 57   | 79   | 53   | 73   | 61   | 59   | 77   | 58   | 48   |
| Agricultural sciences                  | 3    | 3    | 3    | 2    | 0    | 3    | 2    | 6    | 0    | 0    |
| Biological sciences                    | 21   | 14   | 20   | 20   | 24   | 11   | 18   | 18   | 21   | 21   |
| Computer sciences                      | 0    | 4    | 6    | 1    | 5    | 4    | 1    | 4    | 2    | 2    |
| Earth, atmospheric, and ocean sciences | 1    | 3    | 4    | 2    | 4    | 5    | 1    | 3    | 4    | 2    |
| Mathematics                            | 0    | 3    | 3    | 4    | 2    | 1    | 2    | 3    | 1    | 1    |
| Physical sciences                      | 12   | 8    | 18   | 6    | 13   | 10   | 10   | 16   | 11   | 7    |
| Astronomy                              | 0    | 0    | 0    | 1    | 0    | 0    | 0    | 1    | 0    | 0    |
| Chemistry                              | 9    | 6    | 11   | 4    | 9    | 9    | 8    | 7    | 9    | 6    |

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|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Physics                                | 3      | 2      | 7      | 1      | 4      | 1      | 2      | 8      | 2      | 1      |
| Other physical sciences                | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Psychology                             | 13     | 15     | 20     | 12     | 16     | 14     | 9      | 14     | 10     | 4      |
| Social sciences                        | 13     | 7      | 5      | 6      | 9      | 13     | 16     | 13     | 9      | 11     |
| Engineering                            | 11     | 17     | 19     | 16     | 15     | 16     | 9      | 15     | 17     | 17     |
| Chemical engineering                   | 3      | 2      | 1      | 3      | 1      | 3      | 0      | 3      | 4      | 0      |
| Civil engineering                      | 1      | 1      | 5      | 1      | 1      | 2      | 2      | 1      | 3      | 7      |
| Electrical engineering                 | 3      | 4      | 3      | 3      | 9      | 6      | 2      | 6      | 4      | 3      |
| Mechanical engineering                 | 1      | 3      | 6      | 5      | 2      | 2      | 1      | 1      | 1      | 3      |
| Other engineering                      | 3      | 7      | 4      | 4      | 2      | 3      | 4      | 4      | 5      | 4      |
| Non-science and engineering            | 46     | 40     | 55     | 59     | 53     | 51     | 54     | 57     | 51     | 42     |
| Education                              | 19     | 17     | 21     | 28     | 24     | 24     | 26     | 26     | 17     | 17     |
| Health                                 | 7      | 2      | 3      | 3      | 5      | 3      | 2      | 2      | 0      | 2      |
| Humanities                             | 14     | 16     | 26     | 20     | 14     | 19     | 18     | 26     | 29     | 17     |
| Professional/other/unknown             | 6      | 5      | 5      | 8      | 10     | 5      | 8      | 3      | 5      | 6      |
| Other Hispanic, all fields             | 195    | 207    | 235    | 271    | 216    | 222    | 187    | 219    | 264    | 225    |
| Science and engineering                | 130    | 134    | 153    | 182    | 145    | 140    | 122    | 138    | 154    | 145    |
| Science                                | 103    | 101    | 122    | 136    | 118    | 120    | 89     | 99     | 110    | 123    |
| Agricultural sciences                  | 4      | 2      | 7      | 8      | 4      | 6      | 5      | 3      | 5      | 2      |
| Biological sciences                    | 31     | 28     | 34     | 30     | 39     | 37     | 29     | 23     | 36     | 28     |
| Computer sciences                      | 1      | 2      | 5      | 8      | 4      | 3      | 0      | 4      | 2      | 4      |
| Earth, atmospheric, and ocean sciences | 1      | 3      | 4      | 4      | 6      | 4      | 1      | 4      | 2      | 1      |
| Mathematics                            | 6      | 4      | 7      | 11     | 2      | 2      | 4      | 4      | 6      | 10     |
| Physical sciences                      | 21     | 17     | 16     | 15     | 12     | 21     | 18     | 11     | 16     | 17     |
| Astronomy                              | 1      | 0      | 2      | 0      | 1      | 1      | 3      | 1      | 1      | 3      |
| Chemistry                              | 9      | 8      | 8      | 9      | 7      | 6      | 12     | 8      | 4      | 8      |
| Physics                                | 11     | 9      | 6      | 6      | 4      | 13     | 3      | 2      | 11     | 6      |
| Other physical sciences                | 0      | 0      | 0      | 0      | 0      | 1      | 0      | 0      | 0      | 0      |
| Psychology                             | 17     | 18     | 20     | 24     | 23     | 22     | 15     | 25     | 22     | 36     |
| Social sciences                        | 22     | 27     | 29     | 36     | 28     | 25     | 17     | 25     | 21     | 25     |
| Engineering                            | 27     | 33     | 31     | 46     | 27     | 20     | 33     | 39     | 44     | 22     |
| Chemical engineering                   | 5      | 5      | 1      | 6      | 1      | 4      | 1      | 5      | 5      | 4      |
| Civil engineering                      | 2      | 1      | 3      | 7      | 3      | 1      | 4      | 5      | 4      | 2      |
| Electrical engineering                 | 7      | 11     | 12     | 16     | 13     | 9      | 5      | 15     | 12     | 4      |
| Mechanical engineering                 | 3      | 4      | 2      | 10     | 4      | 1      | 12     | 3      | 8      | 4      |
| Other engineering                      | 10     | 12     | 13     | 7      | 6      | 5      | 11     | 11     | 15     | 8      |
| Non-science and engineering            | 65     | 73     | 82     | 89     | 71     | 82     | 65     | 81     | 110    | 80     |
| Education                              | 23     | 29     | 23     | 36     | 30     | 28     | 12     | 23     | 42     | 23     |
| Health                                 | 5      | 7      | 4      | 8      | 3      | 5      | 1      | 3      | 7      | 5      |
| Humanities                             | 25     | 28     | 43     | 33     | 34     | 41     | 40     | 43     | 51     | 38     |
| Professional/other/unknown             | 12     | 9      | 12     | 12     | 4      | 8      | 12     | 12     | 10     | 14     |
| White, all fields                      | 13,037 | 12,744 | 12,532 | 12,423 | 12,200 | 11,853 | 11,293 | 10,450 | 10,494 | 10,446 |
| Science and engineering                | 8,322  | 8,290  | 8,212  | 8,169  | 7,919  | 7,574  | 7,188  | 6,616  | 6,675  | 6,693  |
| Science                                | 6,661  | 6,489  | 6,373  | 6,411  | 6,261  | 6,129  | 5,836  | 5,478  | 5,495  | 5,532  |
| Agricultural sciences                  | 393    | 325    | 320    | 290    | 299    | 281    | 268    | 258    | 303    | 286    |
| Biological sciences                    | 1,721  | 1,707  | 1,717  | 1,756  | 1,663  | 1,734  | 1,724  | 1,682  | 1,577  | 1,676  |
| Computer sciences                      | 318    | 286    | 278    | 306    | 269    | 253    | 243    | 212    | 235    | 240    |
| Earth, atmospheric, and ocean sciences | 310    | 294    | 311    | 294    | 259    | 265    | 214    | 222    | 235    | 218    |
| Mathematics                            | 388    | 347    | 325    | 353    | 326    | 318    | 285    | 251    | 281    | 260    |
| Physical sciences                      | 1,422  | 1,418  | 1,403  | 1,404  | 1,376  | 1,216  | 1,186  | 1,074  | 1,099  | 1,056  |
| Astronomy                              | 91     | 98     | 107    | 91     | 83     | 85     | 74     | 68     | 77     | 67     |
| Chemistry                              | 733    | 737    | 748    | 766    | 773    | 644    | 652    | 638    | 676    | 624    |
| Physics                                | 587    | 576    | 538    | 539    | 515    | 475    | 449    | 363    | 333    | 362    |
| Other physical sciences                | 11     | 7      | 10     | 8      | 5      | 12     | 11     | 5      | 13     | 3      |
| Psychology                             | 965    | 896    | 824    | 865    | 899    | 864    | 815    | 730    | 705    | 719    |
| Social sciences                        | 1,144  | 1,216  | 1,195  | 1,143  | 1,170  | 1,198  | 1,101  | 1,049  | 1,060  | 1,077  |

TABLE 9. Doctorates awarded to male U.S. citizens, by race/ethnicity and major field of study of recipients: 1995–2004

| Race/ethnicity and field               | 1995  | 1996  | 1997  | 1998  | 1999  | 2000  | 2001  | 2002  | 2003  | 2004  |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Engineering                            | 1,661 | 1,801 | 1,839 | 1,758 | 1,658 | 1,445 | 1,352 | 1,138 | 1,180 | 1,161 |
| Chemical engineering                   | 186   | 198   | 221   | 212   | 233   | 202   | 207   | 166   | 153   | 165   |
| Civil engineering                      | 145   | 155   | 168   | 156   | 175   | 149   | 128   | 132   | 148   | 106   |
| Electrical engineering                 | 480   | 483   | 483   | 443   | 433   | 346   | 307   | 253   | 244   | 256   |
| Mechanical engineering                 | 296   | 332   | 329   | 316   | 279   | 231   | 266   | 194   | 206   | 165   |
| Other engineering                      | 554   | 633   | 638   | 631   | 538   | 517   | 444   | 393   | 429   | 469   |
| Non-science and engineering            | 4,715 | 4,454 | 4,320 | 4,254 | 4,281 | 4,279 | 4,105 | 3,834 | 3,819 | 3,753 |
| Education                              | 1,830 | 1,803 | 1,601 | 1,568 | 1,578 | 1,518 | 1,473 | 1,354 | 1,364 | 1,351 |
| Health                                 | 221   | 207   | 214   | 223   | 245   | 262   | 266   | 276   | 258   | 256   |
| Humanities                             | 1,758 | 1,675 | 1,776 | 1,784 | 1,826 | 1,849 | 1,763 | 1,675 | 1,676 | 1,610 |
| Professional/other/unknown             | 906   | 769   | 729   | 679   | 632   | 650   | 603   | 529   | 521   | 536   |
| Other/unknown, all fields <sup>c</sup> | 236   | 261   | 623   | 570   | 335   | 380   | 447   | 439   | 607   | 571   |
| Science and engineering                | 166   | 178   | 395   | 371   | 226   | 259   | 299   | 280   | 410   | 401   |
| Science                                | 117   | 146   | 290   | 280   | 167   | 200   | 234   | 211   | 352   | 322   |
| Agricultural sciences                  | 4     | 7     | 14    | 8     | 8     | 11    | 6     | 7     | 13    | 17    |
| Biological sciences                    | 31    | 31    | 60    | 69    | 39    | 68    | 71    | 65    | 108   | 79    |
| Computer sciences                      | 9     | 13    | 22    | 18    | 10    | 11    | 10    | 6     | 18    | 15    |
| Earth, atmospheric, and ocean sciences | 6     | 5     | 14    | 14    | 8     | 9     | 13    | 5     | 11    | 13    |
| Mathematics                            | 3     | 7     | 18    | 16    | 11    | 6     | 6     | 8     | 18    | 20    |
| Physical sciences                      | 31    | 41    | 58    | 69    | 35    | 37    | 51    | 47    | 74    | 79    |
| Astronomy                              | 3     | 4     | 9     | 9     | 1     | 3     | 4     | 3     | 12    | 6     |
| Chemistry                              | 7     | 15    | 28    | 32    | 17    | 23    | 24    | 23    | 42    | 40    |
| Physics                                | 19    | 22    | 21    | 27    | 17    | 11    | 23    | 21    | 20    | 33    |
| Other physical sciences                | 2     | 0     | 0     | 1     | 0     | 0     | 0     | 0     | 0     | 0     |
| Psychology                             | 10    | 9     | 39    | 33    | 11    | 16    | 30    | 24    | 37    | 29    |
| Social sciences                        | 23    | 33    | 65    | 53    | 45    | 42    | 47    | 49    | 73    | 70    |
| Engineering                            | 49    | 32    | 105   | 91    | 59    | 59    | 65    | 69    | 58    | 79    |
| Chemical engineering                   | 6     | 4     | 12    | 12    | 4     | 4     | 11    | 10    | 6     | 12    |
| Civil engineering                      | 2     | 1     | 7     | 10    | 4     | 7     | 12    | 5     | 8     | 3     |
| Electrical engineering                 | 14    | 11    | 38    | 15    | 18    | 16    | 13    | 21    | 16    | 24    |
| Mechanical engineering                 | 12    | 3     | 14    | 15    | 13    | 10    | 9     | 15    | 12    | 12    |
| Other engineering                      | 15    | 13    | 34    | 39    | 20    | 22    | 20    | 18    | 16    | 28    |
| Non-science and engineering            | 70    | 83    | 228   | 199   | 109   | 121   | 148   | 159   | 197   | 170   |
| Education                              | 17    | 33    | 92    | 64    | 34    | 33    | 38    | 59    | 70    | 46    |
| Health                                 | 4     | 3     | 4     | 12    | 5     | 7     | 7     | 9     | 17    | 15    |
| Humanities                             | 39    | 32    | 95    | 92    | 51    | 69    | 80    | 75    | 87    | 71    |
| Professional/other/unknown             | 10    | 15    | 37    | 31    | 19    | 12    | 23    | 16    | 23    | 38    |

<sup>a</sup> Includes Pacific Islanders from 1995 to 2000.

<sup>b</sup> Includes Mexican American, Puerto Rican, and other Hispanic.

<sup>c</sup> Includes Native Hawaiian and other Pacific Islanders and multiple race/ethnicity from 2001 to 2004.

NOTE: Categories are grouped differently from questionnaire and summary reports in that linguistics, history of science, American studies, and archaeology are included in social science and not in humanities, and public administration is included in social science and not in professional fields.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Earned Doctorates.