

## **Table Compendium**

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## Section I: Education

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**Table I.1**

- Graduates who were age 22 or younger when they earned a bachelor's degree were more likely than older graduates to have enrolled in or completed a master's, doctoral, or first-professional degree program. In addition, although less likely than those age 22 or younger, graduates who were age 30 or older when they completed a bachelor's degree were more likely than those age 25–29 to have enrolled in a graduate program. No difference was detected between graduates age 30 or older and those age 23–24 in the likelihood of enrolling in a graduate degree program.
- Among 1992–93 bachelor's degree recipients, those who graduated from private not-for-profit institutions were more likely than those who graduated from public institutions to have enrolled in or completed a graduate program. Forty-five percent of those who completed a bachelor's degree at a private not-for-profit 4-year institution had enrolled in a graduate program, compared with 38 percent of those from public 4-year institutions.
- Two-thirds of bachelor's degree recipients employed by the military had enrolled in a graduate program, more than the proportion that had enrolled in a graduate program among those working for not-for-profit organizations (48 percent), for-profit firms (31 percent), or those who were self-employed (33 percent).
- Educators, health professionals, and research/technical professionals were more likely than college graduates in other occupations to have enrolled in or completed a graduate program. Educators were also more likely than those in other occupations to be currently enrolled in a graduate program as of 2003.
- Graduates with higher salaries were more likely to have enrolled in an advanced degree program than those with lower salaries. For example, 34 percent of those in the lowest salary group (the bottom 25 percent; see appendix A for more information) had enrolled in a graduate program, compared with 42 percent of middle and 44 percent of high earners. However, bachelor's degree recipients in the lowest salary group were more likely than those with higher salaries to report being currently enrolled in 2003 (8 vs. 4–6 percent).

**Table I.2**

- Focusing only on 1992–93 college graduates who enrolled in a master's, doctoral, or first-professional degree program, 62 percent had completed a master's, doctoral, or first-professional degree program, 15 percent were enrolled when interviewed in 2003, and the remaining 23 percent had left without completing any graduate program.

- Among bachelor's degree recipients who enrolled in a graduate program, those who took longer to complete the bachelor's degree were less likely to have completed an advanced degree and more likely to have left a graduate program without completing it. For example, 19 percent of those who completed a bachelor's degree in 4 years had left graduate school without completing it, compared with 29 percent of those who took more than 6 years to finish a bachelor's degree.
- Among 1992–93 bachelor's degree recipients who enrolled in a graduate program, nearly two-thirds of those who were employed full time (66 percent) and those who had multiple jobs (63 percent) had completed a graduate program by 2003. These groups were more likely than those who worked part time or were unemployed or out of the labor force to have completed an advanced degree program.
- Among 1992–93 college graduates who enrolled in graduate school, those working in health and in research and other professional and technical occupations were more likely than those in business, education, service industries, engineering, architecture, or computer science, and other unspecified occupations to have completed a graduate program.
- Whether or not bachelor's degree recipients had children was related to their likelihood of having completed a graduate program. Among those who had enrolled, parents were less likely to have completed a program and more likely to have left without completing it.

### **Table I.3**

- In the decade since completing college, about one-fourth (26 percent) of 1992–93 bachelor's degree recipients had earned an advanced degree. Twenty percent had earned a master's degree, 4 percent had earned a first-professional degree, and 2 percent had earned a doctoral degree.
- Younger bachelor's degree recipients (age 22 or younger when they earned a bachelor's degree) were more likely than those in other age groups to have earned an advanced degree, whether it was a master's, first-professional, or doctoral degree.
- Graduates who completed a bachelor's degree in 4 years or less were more likely than those who took longer for undergraduate education to have completed a master's, doctoral, or first-professional degree.
- Graduates of private not-for-profit 4-year institutions were more likely than their counterparts at public 4-year or other institutions to have earned a first-professional degree (5 vs. 2–3 percent).
- About one-fourth (26 percent) of graduates who worked in multiple jobs in 2003 had earned a master's degree. This was higher than for those who worked in one full-time job (20 percent), were unemployed (11 percent), or were out of the labor force (14 percent).
- Bachelor's degree recipients employed by not-for-profit organizations, the government, or the military were more likely than self-employed graduates and those working in for-profit companies to have earned a master's degree. Not-for-profit and government employees were also more likely than for-profit employees or the self-employed to have earned a doctoral degree.

- Compared with bachelor's degree recipients with higher salaries, those in the lowest salary group were less likely to have earned a master's, first-professional, or doctoral degree.
- Bachelor's degree recipients who were single were more likely than others to have earned a first-professional degree (6 vs. 3–4 percent).
- Those graduates who had no children were more likely than those with children to hold a doctoral or first-professional degree in 2003.

### Table I.4

- Among 1992–93 bachelor's degree recipients who earned advanced degrees between 1997 and 2003,<sup>14</sup> 20 percent had earned a master's degree in business administration, 16 percent had earned a master's degree in education, and 38 percent had earned a master's degree in other fields. Additionally, 7 percent each had earned a law degree or degree in medicine, 2 percent had earned a degree in other first-professional fields, and 5 percent each had earned a Ph.D. or other doctoral degree.
- Men were more likely than women to have earned a master's degree in business administration, a degree in medicine, a PhD, and other types of doctoral degrees. However, women were more likely than men to have earned a master's in education and master's degrees in other fields.
- Asian/Pacific Islander students were more likely than Black, White, or Hispanic students to have earned a degree in medicine.<sup>15</sup>
- Graduates who were 22 or younger when they earned a bachelor's degree were more likely than their older counterparts to have earned a degree in medicine. On the other hand, those in the oldest age group (30 or older) were more likely than those in the youngest age group to have earned a master's in education.
- Thirty-four percent of advanced degree holders in the highest salary group had earned a master's degree in business administration, compared with 14 percent in the middle group and 12 percent in the lowest group. About 9 percent of advanced degree holders in the highest salary group had earned a degree in law, while 5 percent in the middle earnings group had done so. Those in the highest salary group were more likely than those with lower salaries to have earned a degree in medicine or some other first-professional degree. Finally, 7 percent of advanced degree holders in the highest salary group had earned a doctoral degree other than a Ph.D., compared with 2 percent in the lowest group.
- Whereas those without dependents younger than age 18 were more likely than those with children to have earned their advanced degree in law, parents were more likely to have earned a master's degree in education.

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<sup>14</sup> Detailed degree program shown in table I.3 was only determined for advanced degrees (master's, doctoral, and first-professional degrees) earned since 1997.

<sup>15</sup> As indicated in the main text above, "Asian" refers to Asian/Pacific Islander; "Black" refers to non-Hispanic Black; and "White" refers to non-Hispanic White.

### Table I.5

- Among 1992–93 bachelor’s degree recipients with advanced degrees, men were more likely than women to have earned that degree in business and management or in science, mathematics, or engineering, while women were more likely than men to have earned such a degree in education or in the social and behavioral sciences.
- Among 1992–93 bachelor’s degree recipients with advanced degrees, 36 percent of Asian graduates had earned that degree in health, compared with 12 percent of White graduates and 8 percent each of Black and Hispanic graduates.
- Compared with graduates who took 4 years or less to complete a bachelor’s degree, those who took more than 6 years to complete that degree were more likely to have earned an advanced degree in business and management or in education.
- About one-third (34 percent) of advanced degree holders who were employed by for-profit companies had earned an advanced degree in business and management, compared with 15 percent who were self-employed, 16 percent who worked for not-for-profit agencies, and 11 percent who worked for local or state governments. About one-fourth (26 percent) of those who worked for local or state governments had earned their advanced degree in education, a greater proportion than those working in other sectors.
- Greater proportions of advanced degree holders who worked for not-for-profit agencies had earned their advanced degree in arts and humanities than those in other employment sectors (excluding the self-employed). Those who were employed by the federal government were more likely than those working for other employers besides the military to hold their advanced degree in science, mathematics, or engineering.

### Table I.6

- Among 1992–93 college graduates with advanced degrees, 47 percent had received student loans for their graduate education; 28 percent had received grants, scholarships, or fellowships; 12 percent had tuition waived; 11 percent had received teaching assistantships; 9 percent had received research assistantships; and 18 percent had been reimbursed for tuition by their employers.
- Among bachelor’s degree recipients who attained a master’s, doctoral, or first-professional degree, men were more likely than women to have received a teaching or research assistantship.
- Advanced degree holders who were age 30 or older when they earned a bachelor’s degree were less likely than younger students to have taken out student loans for their graduate education. Graduates age 30 or older at baccalaureate degree completion were also less likely than those who were age 24 or younger to have received a teaching or research assistantship. However, these older graduates were more likely than those who were 24 or younger to have tuition reimbursed by their employer.

- Two-thirds (67 percent) of bachelor's degree recipients employed in health after earning an advanced degree had received student loans, a larger proportion than those working in any other occupation.
- Advanced degree holders with dependents under age 18 in 2003 were less likely than those without children to have received student loans, grants, tuition waivers, or research assistantships to fund their graduate education.

### **Table I.7**

- Among 1992–93 bachelor's degree recipients, 2 percent had enrolled in a diploma/certificate program, 2 percent in an associate's degree program, and 6 percent in a second bachelor's degree program within 10 years of graduation. Of those who had enrolled in these undergraduate programs, 59 percent completed a certificate or degree by 2003.
- A greater proportion of women than men had enrolled in an additional bachelor's degree program after earning their first bachelor's in 1992–93.
- Students who were ages 23–24 when they earned a bachelor's degree in 1992–93 were more likely than those who were 22 or younger and those who were 30 or older to have enrolled in an additional bachelor's degree program (7 vs. 5 percent each).
- Among college graduates who entered subsequent undergraduate programs, a higher proportion of students who majored in education for their 1992–93 bachelor's degree had completed a subsequent certificate or degree than those who majored in business, arts and humanities, social and behavioral sciences, or other unspecified fields.
- Bachelor's degree recipients who were out of the labor force were not as likely as those who were working to have enrolled in an additional bachelor's degree program.
- Health professionals were generally more likely than graduates working in most other occupations to have enrolled in an associate's or second bachelor's degree program after completing a first bachelor's degree in 1992–93.
- Of graduates who enrolled in a subsequent undergraduate program, 74 percent of educators had completed that program, a greater proportion than those in any other occupation except health.
- Compared with college graduates with lower earnings, those who were in the highest salary group were less likely to have enrolled in an associate's or bachelor's degree program. Those who were in the highest salary group were also less likely than those in the lowest salary group to have enrolled in a diploma or certificate program.

### **Table I.8**

- After completing a bachelor's degree, one-fourth of 1992–93 bachelor's degree recipients had enrolled in an occupational licensing program and 30 percent had enrolled in a professional certification program. Also, as of 2003, 45 percent had participated in work-related training and 18 percent had taken personal enrichment classes in the past year.

- Women were more likely than men to have enrolled in a professional certification program (32 vs. 28 percent), work-related classes (46 vs. 43 percent), and personal enrichment classes (22 vs. 13 percent).
- A greater proportion of college graduates who were age 30 or older when they earned a bachelor's degree than those who were age 24 or younger had enrolled in a professional certification program since that time. This trend was also evident in more recent personal enrichment coursetaking: about 22 percent of graduates age 30 or older had taken personal enrichment courses in the past year, compared with 18 percent who were 22 or younger and 17 percent who were 23–24.
- Among 1992–93 bachelor's degree recipients, those who majored in health as undergraduates (36 percent) were generally more likely than those with other majors to have enrolled in an occupational license program since then. Along with education majors, health majors were also generally more likely than others to have enrolled in a professional certification program in that time.
- Compared with those who were employed in other fields, graduates who worked in the health field were more likely to have enrolled in an occupational license program within 10 years of college completion, and those in education were more likely to have enrolled in a professional certification program.



**Table I.1. Percentage of 1992–93 bachelor’s degree recipients who enrolled in an advanced degree program, by selected characteristics: 2003**

| Selected characteristics                         | All graduates       |           |                    |                         |
|--|---------------------|-----------|--------------------|-------------------------|
|  | Total ever enrolled | Completed | Currently enrolled | Left without completing |
| U.S. total (excluding Puerto Rico)               | 40.2                | 24.9      | 5.9                | 9.4                     |
| Total (50 states, D.C., and Puerto Rico)         | 40.1                | 24.8      | 5.9                | 9.4                     |
| Gender   |                     |           |                    |                         |
| Male   | 38.7                | 24.8      | 5.7                | 8.3                     |
| Female   | 41.3                | 24.9      | 6.1                | 10.3                    |
| Race/ethnicity <sup>1</sup>                      |                     |           |                    |                         |
| White, non-Hispanic                              | 39.4                | 24.7      | 5.4                | 9.3                     |
| Black, non-Hispanic                              | 45.5                | 24.5      | 11.2               | 9.8                     |
| Hispanic   | 43.8                | 24.5      | 8.5                | 10.9                    |
| Asian/Pacific Islander                           | 41.5                | 26.9      | 5.3                | 9.3                     |
| Age at bachelor’s degree completion              |                     |           |                    |                         |
| 22 or younger                                    | 48.5                | 32.6      | 6.1                | 9.8                     |
| 23–24  | 32.2                | 17.5      | 6.0                | 8.7                     |
| 25–29  | 27.6                | 14.3      | 5.4                | 8.0                     |
| 30 or older                                      | 36.6                | 20.6      | 5.5                | 10.5                    |
| Baccalaureate degree major                       |                     |           |                    |                         |
| Business and management                          | 25.4                | 16.6      | 3.2                | 5.6                     |
| Education  | 50.3                | 28.3      | 8.1                | 13.9                    |
| Engineering                                      | 39.2                | 24.5      | 5.4                | 9.3                     |
| Health   | 36.5                | 22.0      | 6.5                | 8.0                     |
| Public affairs/social services                   | 36.3                | 20.6      | 6.2                | 9.5                     |
| Humanities                                       | 42.6                | 25.5      | 7.1                | 10.1                    |
| Social and behavioral sciences                   | 49.8                | 30.3      | 8.7                | 10.8                    |
| Natural sciences and mathematics                 | 56.7                | 38.6      | 6.4                | 11.7                    |
| Other  | 34.4                | 21.7      | 4.2                | 8.6                     |
| Time between college entry and bachelor’s degree |                     |           |                    |                         |
| 4 years or less                                  | 52.3                | 35.9      | 6.5                | 9.9                     |
| 5–6 years  | 34.5                | 19.7      | 5.8                | 9.0                     |
| More than 6 years                                | 31.9                | 17.3      | 5.2                | 9.3                     |
| Bachelor’s degree-granting institution           |                     |           |                    |                         |
| Public 4-year                                    | 37.9                | 22.8      | 5.7                | 9.4                     |
| Private not-for-profit 4-year                    | 45.3                | 28.9      | 6.4                | 10.1                    |
| Other  | 33.5                | 25.4      | 4.5                | 3.6                     |
| Labor force participation                        |                     |           |                    |                         |
| Employed, total                                  | 41.0                | 26.3      | 5.8                | 9.0                     |
| Full time, one job                               | 39.8                | 26.2      | 5.0                | 8.7                     |
| Part time, one job                               | 44.5                | 22.3      | 11.5               | 10.8                    |
| Multiple jobs                                    | 47.3                | 29.9      | 7.3                | 10.0                    |
| Unemployed                                       | 29.6                | 14.1      | 5.2                | 10.3                    |
| Out of the labor force                           | 35.6                | 15.4      | 7.3                | 12.9                    |

See notes at end of table.

**Table I.1. Percentage of 1992–93 bachelor’s degree recipients who enrolled in an advanced degree program, by selected characteristics: 2003—Continued**

| Selected characteristics                      | All graduates       |           |                    |                         |
|---|---------------------|-----------|--------------------|-------------------------|
|   | Total ever enrolled | Completed | Currently enrolled | Left without completing |
| <b>Type of employer<sup>2</sup></b>           |                     |           |                    |                         |
| Self-employed                                 | 33.0                | 20.3      | 1.5                | 11.1                    |
| For-profit                                    | 30.8                | 18.8      | 4.0                | 8.0                     |
| Not-for-profit                                | 48.5                | 32.0      | 5.8                | 10.7                    |
| Local/state government                        | 53.0                | 33.5      | 9.9                | 9.6                     |
| Federal government                            | 49.6                | 35.5      | 7.8                | 6.2                     |
| Military                                      | 66.7                | 41.4      | 17.9               | 7.5                     |
| <b>Occupation<sup>2</sup></b>                 |                     |           |                    |                         |
| Business and management                       | 29.8                | 17.7      | 3.8                | 8.3                     |
| Education                                     | 64.8                | 39.9      | 11.7               | 13.1                    |
| Health professions                            | 53.1                | 38.1      | 7.1                | 7.9                     |
| Service industries                            | 20.7                | 10.9      | 3.5                | 6.3                     |
| Research, other professional/<br>technical    | 47.7                | 32.4      | 5.6                | 9.7                     |
| Engineering/architecture/<br>computer science | 32.2                | 17.4      | 3.6                | 11.2                    |
| Other   | 22.2                | 11.0      | 4.4                | 6.8                     |
| <b>Salary<sup>2</sup></b>                     |                     |           |                    |                         |
| Low   | 34.2                | 16.9      | 7.9                | 9.5                     |
| Middle  | 41.9                | 26.4      | 5.9                | 9.6                     |
| High  | 43.5                | 30.9      | 3.8                | 8.9                     |
| <b>Marital status</b>                         |                     |           |                    |                         |
| Single, never married                         | 43.0                | 27.3      | 7.9                | 7.8                     |
| Married or cohabiting                         | 39.4                | 24.5      | 5.1                | 9.8                     |
| Separated/divorced/widowed                    | 39.8                | 21.0      | 8.7                | 10.1                    |
| <b>Number of dependents under age 18</b>      |                     |           |                    |                         |
| None  | 43.0                | 27.5      | 6.9                | 8.6                     |
| One or more                                   | 37.4                | 22.3      | 4.9                | 10.1                    |

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job. See appendix A for definition of low, middle and high.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table I.2. Percentage distribution of 1992–93 bachelor’s degree recipients who enrolled in an advanced degree program, by persistence and completion and selected characteristics: 2003**

| Selected characteristics                         | Completed | Currently enrolled | Left without completing |
|--|-----------|--------------------|-------------------------|
| U.S. total (excluding Puerto Rico)               | 62.0      | 14.6               | 23.4                    |
| Total (50 states, D.C., and Puerto Ric           | 61.9      | 14.7               | 23.4                    |
| Gender   |           |                    |                         |
| Male   | 63.9      | 14.6               | 21.5                    |
| Female   | 60.2      | 14.8               | 25.0                    |
| Race/ethnicity <sup>1</sup>                      |           |                    |                         |
| White, non-Hispanic                              | 62.6      | 13.7               | 23.7                    |
| Black, non-Hispanic                              | 53.8      | 24.7               | 21.5                    |
| Hispanic   | 55.9      | 19.3               | 24.8                    |
| Asian/Pacific Islander                           | 64.8      | 12.8               | 22.4                    |
| Age at bachelor’s degree completion              |           |                    |                         |
| 22 or younger                                    | 67.2      | 12.5               | 20.2                    |
| 23–24  | 54.3      | 18.7               | 27.0                    |
| 25–29  | 51.7      | 19.5               | 28.8                    |
| 30 or older                                      | 56.3      | 15.1               | 28.6                    |
| Baccalaureate degree major                       |           |                    |                         |
| Business and management                          | 65.3      | 12.6               | 22.1                    |
| Education  | 56.3      | 16.1               | 27.6                    |
| Engineering                                      | 62.6      | 13.7               | 23.7                    |
| Health   | 60.2      | 17.9               | 22.0                    |
| Public affairs/social services                   | 56.8      | 17.0               | 26.2                    |
| Humanities                                       | 59.7      | 16.6               | 23.7                    |
| Social and behavioral sciences                   | 60.9      | 17.6               | 21.6                    |
| Natural sciences and mathematics                 | 68.1      | 11.3               | 20.7                    |
| Other  | 63.0      | 12.2               | 24.9                    |
| Time between college entry and bachelor’s degree |           |                    |                         |
| 4 years or less                                  | 68.6      | 12.5               | 18.9                    |
| 5–6 years  | 57.2      | 16.8               | 26.1                    |
| More than 6 years                                | 54.3      | 16.5               | 29.3                    |
| Bachelor’s degree-granting institution           |           |                    |                         |
| Public 4-year                                    | 60.2      | 15.1               | 24.7                    |
| Private not-for-profit 4-year                    | 63.7      | 14.1               | 22.2                    |
| Other  | 75.8      | 13.6               | 10.6                    |
| Labor force participation                        |           |                    |                         |
| Employed, total                                  | 64.0      | 14.1               | 21.9                    |
| Full time, one job                               | 65.8      | 12.4               | 21.8                    |
| Part time, one job                               | 50.1      | 25.7               | 24.2                    |
| Multiple jobs                                    | 63.3      | 15.5               | 21.2                    |
| Unemployed                                       | 47.7      | 17.6               | 34.7                    |
| Out of the labor force                           | 43.3      | 20.4               | 36.3                    |

See notes at end of table.

**Table I.2. Percentage distribution of 1992–93 bachelor’s degree recipients who enrolled in an advanced degree program, by persistence and completion and selected characteristics: 2003**  
—Continued

| Selected characteristics                      | Completed | Currently enrolled | Left without completing |
|---|-----------|--------------------|-------------------------|
| Type of employer <sup>2</sup>                 |           |                    |                         |
| Self-employed                                 | 61.6      | 4.7                | 33.8                    |
| For-profit                                    | 61.0      | 12.9               | 26.1                    |
| Not-for-profit                                | 66.0      | 11.9               | 22.1                    |
| Local/state government                        | 63.2      | 18.8               | 18.0                    |
| Federal government                            | 71.7      | 15.7               | 12.6                    |
| Military                                      | 62.0      | 26.8               | 11.2                    |
| Occupation <sup>2</sup>                       |           |                    |                         |
| Business and management                       | 59.4      | 12.8               | 27.8                    |
| Education                                     | 61.6      | 18.1               | 20.2                    |
| Health professions                            | 71.7      | 13.4               | 14.9                    |
| Service industries                            | 52.6      | 17.0               | 30.4                    |
| Research, other professional/<br>technical    | 67.9      | 11.8               | 20.3                    |
| Engineering/architecture/<br>computer science | 54.2      | 11.1               | 34.7                    |
| Other   | 49.6      | 19.8               | 30.6                    |
| Salary <sup>2</sup>                           |           |                    |                         |
| Low   | 49.2      | 23.2               | 27.6                    |
| Middle  | 63.0      | 14.2               | 22.8                    |
| High  | 71.0      | 8.7                | 20.3                    |
| Marital status                                |           |                    |                         |
| Single, never married                         | 63.5      | 18.3               | 18.2                    |
| Married or cohabiting                         | 62.3      | 12.9               | 24.8                    |
| Separated/divorced/widowed                    | 52.8      | 21.8               | 25.4                    |
| Number of dependents under age 18             |           |                    |                         |
| None  | 63.9      | 16.1               | 20.1                    |
| One or more                                   | 59.7      | 13.2               | 27.1                    |

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table I.3. Percentage distribution of 1992–93 bachelor’s degree recipients’ highest degree attained, by selected characteristics: 2003**

| Selected characteristics                                | Bachelor’s degree <sup>1</sup> | Total | Advanced degree |                           |                 |
|---|--------------------------------|-------|-----------------|---------------------------|-----------------|
|   |                                |       | Master’s degree | First-professional degree | Doctoral degree |
| U.S. total (excluding Puerto Rico)                      | 74.4                           | 25.6  | 19.7            | 4.0                       | 1.9             |
| Total (50 states, D.C., and Puerto Rico)                | 74.4                           | 25.6  | 19.7            | 4.0                       | 1.9             |
| <b>Gender</b>   |                                |       |                 |                           |                 |
| Male  | 74.4                           | 25.6  | 18.0            | 4.9                       | 2.7             |
| Female  | 74.5                           | 25.5  | 21.1            | 3.2                       | 1.3             |
| <b>Race/ethnicity<sup>2</sup></b>                       |                                |       |                 |                           |                 |
| White, non-Hispanic                                     | 74.6                           | 25.4  | 20.0            | 3.7                       | 1.8             |
| Black, non-Hispanic                                     | 74.2                           | 25.8  | 20.5            | 3.0                       | 2.3             |
| Hispanic  | 75.0                           | 25.0  | 17.7            | 3.6                       | 3.7             |
| Asian/Pacific Islander                                  | 72.9                           | 27.1  | 14.9            | 11.0                      | 1.3             |
| <b>Age at bachelor’s degree completion</b>              |                                |       |                 |                           |                 |
| 22 or younger   | 66.4                           | 33.6  | 24.0            | 6.6                       | 3.0             |
| 23–24   | 82.0                           | 18.0  | 14.7            | 2.1                       | 1.2             |
| 25–29   | 85.5                           | 14.5  | 13.1            | 0.7                       | 0.7             |
| 30 or older   | 78.8                           | 21.2  | 19.2            | 1.3                       | 0.7             |
| <b>Baccalaureate degree major</b>                       |                                |       |                 |                           |                 |
| Business and management                                 | 83.3                           | 16.7  | 14.7            | 1.8                       | 0.2             |
| Education   | 71.1                           | 28.9  | 26.3            | 1.5                       | 1.1             |
| Engineering   | 74.2                           | 25.9  | 22.2            | 0.9                       | 2.7             |
| Health  | 77.9                           | 22.1  | 19.4            | 2.1                       | 0.6             |
| Public affairs/social services                          | 79.4                           | 20.6  | 18.2            | 1.8                       | 0.6             |
| Humanities  | 73.0                           | 27.1  | 21.5            | 4.3                       | 1.2             |
| Social and behavioral sciences                          | 68.6                           | 31.4  | 21.8            | 7.2                       | 2.3             |
| Natural sciences and mathematics                        | 60.3                           | 39.7  | 18.7            | 12.0                      | 9.0             |
| Other   | 77.6                           | 22.4  | 18.0            | 3.4                       | 1.0             |
| <b>Time between college entry and bachelor’s degree</b> |                                |       |                 |                           |                 |
| 4 years or less   | 62.9                           | 37.1  | 26.2            | 7.9                       | 3.0             |
| 5–6 years   | 79.8                           | 20.2  | 16.3            | 2.1                       | 1.8             |
| More than 6 years                                       | 82.2                           | 17.8  | 15.7            | 1.5                       | 0.6             |
| <b>Bachelor’s degree-granting institution</b>           |                                |       |                 |                           |                 |
| Public 4-year   | 76.6                           | 23.4  | 18.1            | 3.5                       | 1.9             |
| Private not-for-profit 4-year                           | 70.0                           | 30.0  | 22.7            | 5.3                       | 2.0             |
| Other   | 74.6                           | 25.4  | 22.5            | 1.6                       | 1.3             |
| <b>Labor force participation</b>                        |                                |       |                 |                           |                 |
| Employed, total   | 73.1                           | 26.9  | 20.6            | 4.3                       | 2.1             |
| Full time, one job                                      | 73.4                           | 26.6  | 19.9            | 4.6                       | 2.2             |
| Part time, one job                                      | 75.0                           | 25.0  | 20.6            | 3.1                       | 1.3             |
| Multiple jobs   | 68.9                           | 31.1  | 25.9            | 3.1                       | 2.1             |
| Unemployed  | 85.3                           | 14.7  | 11.5            | 2.2                       | 1.0             |
| Out of the labor force                                  | 83.2                           | 16.8  | 14.5            | 1.8                       | 0.6             |

See notes at end of table.

**Table I.3. Percentage distribution of 1992–93 bachelor’s degree recipients’ highest degree attained, by selected characteristics: 2003—Continued**

| Selected characteristics                  | Bachelor’s degree <sup>1</sup> | Total | Advanced degree |                           |                 |
|---|--------------------------------|-------|-----------------|---------------------------|-----------------|
|   |                                |       | Master’s degree | First-professional degree | Doctoral degree |
| <b>Type of employer<sup>3</sup></b>       |                                |       |                 |                           |                 |
| Self-employed                             | 78.9                           | 21.1  | 13.4            | 6.8                       | 0.9             |
| For-profit                                | 81.0                           | 19.0  | 13.9            | 4.2                       | 0.9             |
| Not-for-profit                            | 66.9                           | 33.2  | 24.8            | 4.2                       | 4.2             |
| Local/state government                    | 64.3                           | 35.8  | 27.0            | 3.8                       | 5.0             |
| Federal government                        | 64.0                           | 36.0  | 22.4            | 6.2                       | 7.5             |
| Military                                  | 53.8                           | 46.2  | 35.9            | 8.5                       | 1.8             |
| <b>Occupation<sup>3</sup></b>             |                                |       |                 |                           |                 |
| Business and management                   | 82.0                           | 18.0  | 17.1            | 0.7                       | 0.3             |
| Education                                 | 58.5                           | 41.5  | 37.9            | 0.8                       | 2.9             |
| Health professions                        | 61.8                           | 38.2  | 16.4            | 16.6                      | 5.3             |
| Service industries                        | 89.1                           | 10.9  | 9.4             | 1.3                       | 0.1             |
| Research, other professional/technical    | 66.3                           | 33.7  | 19.7            | 10.1                      | 3.8             |
| Engineering/architecture/computer science | 82.2                           | 17.8  | 15.9            | 0.2                       | 1.7             |
| Other                                     | 87.9                           | 12.1  | 9.0             | 3.1                       | #               |
| <b>Salary<sup>3</sup></b>                 |                                |       |                 |                           |                 |
| Low                                       | 81.7                           | 18.3  | 15.9            | 1.6                       | 0.8             |
| Middle                                    | 73.3                           | 26.7  | 21.4            | 3.3                       | 2.0             |
| High                                      | 68.2                           | 31.8  | 20.9            | 8.0                       | 2.9             |
| <b>Marital status</b>                     |                                |       |                 |                           |                 |
| Single, never married                     | 71.6                           | 28.4  | 19.7            | 6.1                       | 2.6             |
| Married or cohabiting                     | 74.9                           | 25.1  | 19.8            | 3.6                       | 1.8             |
| Separated/divorced/widowed                | 77.4                           | 22.6  | 18.5            | 2.6                       | 1.6             |
| <b>Number of dependents under age 18</b>  |                                |       |                 |                           |                 |
| None                                      | 71.6                           | 28.4  | 21.0            | 5.0                       | 2.4             |
| One or more                               | 77.2                           | 22.9  | 18.4            | 3.0                       | 1.4             |

#Rounds to zero.

<sup>1</sup>Includes postbaccalaureate certificates.

<sup>2</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>3</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal

**Table I.4. Among 1992–93 bachelor’s degree recipients with advanced degrees earned since 1997, percentage distribution across detailed degree program, by selected characteristics: 2003**

| Selected characteristics                         | M.B.A. | Master’s<br>in edu-<br>cation | Other<br>master’s | Law  | Medicine | Other<br>first-pro-<br>fessional | Ph.D. | Other<br>doctoral |
|--|--------|-------------------------------|-------------------|------|----------|----------------------------------|-------|-------------------|
| U.S. total (excluding<br>Puerto Rico)            | 19.8   | 16.1                          | 37.7              | 6.7  | 7.2      | 2.4                              | 5.3   | 4.7               |
| Total (50 states, D.C.,<br>and Puerto Rico)      | 19.9   | 16.1                          | 37.5              | 6.6  | 7.2      | 2.4                              | 5.3   | 5.0               |
| Gender   |        |                               |                   |      |          |                                  |       |                   |
| Male   | 26.4   | 7.7                           | 32.7              | 6.0  | 10.3     | 2.8                              | 7.0   | 7.2               |
| Female   | 14.6   | 23.1                          | 41.7              | 6.9  | 4.7      | 2.1                              | 3.9   | 3.1               |
| Race/ethnicity <sup>1</sup>                      |        |                               |                   |      |          |                                  |       |                   |
| White, non-Hispanic                              | 20.0   | 17.7                          | 37.9              | 7.0  | 5.7      | 2.4                              | 5.9   | 3.6               |
| Black, non-Hispanic                              | 26.5   | 12.0                          | 37.5              | 4.6  | 3.5      | 3.3                              | 0.8   | 11.8              |
| Hispanic   | 15.9   | 12.5                          | 44.8              | 0.9  | 6.2      | #                                | 3.2   | 16.4              |
| Asian/Pacific Islander                           | 17.7   | #                             | 23.3              | 10.5 | 36.4     | 4.8                              | 2.7   | 4.6               |
| Age at bachelor’s degree completion              |        |                               |                   |      |          |                                  |       |                   |
| 22 or younger                                    | 19.6   | 13.3                          | 33.8              | 8.2  | 10.0     | 3.0                              | 5.9   | 6.2               |
| 23–24  | 19.7   | 20.2                          | 38.6              | 5.9  | 4.5      | 2.3                              | 5.1   | 3.8               |
| 25–29  | 26.6   | 14.6                          | 48.1              | #    | 1.6      | 1.9                              | 5.5   | 1.7               |
| 30 or older                                      | 18.0   | 25.5                          | 47.8              | 3.8  | 0.3      | #                                | 2.1   | 2.4               |
| Baccalaureate degree major                       |        |                               |                   |      |          |                                  |       |                   |
| Business and management                          | 58.3   | 12.5                          | 20.2              | 6.0  | 1.4      | #                                | 0.3   | 1.3               |
| Education  | 4.4    | 50.6                          | 34.5              | 2.9  | 2.1      | #                                | 3.5   | 2.1               |
| Engineering                                      | 39.8   | #                             | 38.1              | 1.9  | 3.3      | #                                | 6.0   | 11.0              |
| Health   | 2.9    | 4.8                           | 75.8              | #    | 9.8      | 3.7                              | 1.2   | 1.8               |
| Public affairs/social services                   | 5.4    | 2.4                           | 78.8              | 8.1  | #        | #                                | #     | 5.4               |
| Humanities                                       | 12.8   | 14.5                          | 51.0              | 11.3 | 2.6      | 0.9                              | 3.5   | 3.3               |
| Social and behavioral sciences                   | 22.3   | 8.9                           | 37.9              | 13.9 | 5.2      | 2.2                              | 4.0   | 5.5               |
| Natural sciences and mathematics                 | 7.0    | 6.6                           | 23.8              | 2.0  | 25.3     | 8.2                              | 16.5  | 10.7              |
| Other  | 16.0   | 19.0                          | 45.6              | 10.5 | 1.3      | 2.2                              | 1.9   | 3.6               |
| Time between college entry and bachelor’s degree |        |                               |                   |      |          |                                  |       |                   |
| 4 years or less                                  | 20.7   | 12.6                          | 32.6              | 8.4  | 11.3     | 3.5                              | 6.4   | 4.6               |
| 5–6 years  | 17.7   | 17.9                          | 41.8              | 5.2  | 4.1      | 1.6                              | 4.6   | 7.0               |
| More than 6 years                                | 21.8   | 22.4                          | 43.9              | 4.3  | 1.7      | 1.0                              | 2.6   | 2.2               |
| Bachelor’s degree-granting institution           |        |                               |                   |      |          |                                  |       |                   |
| Public 4-year                                    | 16.5   | 18.3                          | 39.3              | 6.9  | 5.1      | 2.7                              | 5.4   | 5.8               |
| Private not-for-profit 4-year                    | 24.2   | 13.0                          | 35.1              | 6.6  | 10.9     | 1.4                              | 5.2   | 3.5               |
| Other  | ‡      | ‡                             | ‡                 | ‡    | ‡        | ‡                                | ‡     | ‡                 |
| Labor force participation                        |        |                               |                   |      |          |                                  |       |                   |
| Employed, total                                  | 20.4   | 15.9                          | 36.7              | 6.6  | 7.5      | 2.5                              | 5.3   | 5.2               |
| Full time, one job                               | 21.9   | 15.9                          | 33.5              | 6.9  | 8.2      | 2.5                              | 5.8   | 5.4               |
| Part time, one job                               | 17.0   | 15.5                          | 47.2              | 7.1  | 3.0      | 3.7                              | 4.9   | 1.7               |
| Multiple jobs                                    | 12.6   | 16.2                          | 51.4              | 4.1  | 6.1      | 1.4                              | 2.2   | 6.1               |
| Unemployed                                       | 14.8   | 4.8                           | 58.4              | 9.9  | 2.7      | 0.7                              | 2.8   | 6.1               |
| Out of the labor force                           | 12.2   | 25.4                          | 43.3              | 5.2  | 4.0      | 3.0                              | 6.9   | #                 |

See notes at end of table.

**Table I.4. Among 1992–93 bachelor’s degree recipients with advanced degrees earned since 1997, percentage distribution across detailed degree program, by selected characteristics: 2003**  
—Continued

| Selected characteristics                      | M.B.A. | Master’s<br>in edu-<br>cation | Other<br>master’s | Law  | Medicine | Other<br>first-pro-<br>fessional | Ph.D. | Other<br>doctoral |
|---|--------|-------------------------------|-------------------|------|----------|----------------------------------|-------|-------------------|
| <b>Type of employer<sup>2</sup></b>           |        |                               |                   |      |          |                                  |       |                   |
| Self-employed                                 | 15.6   | 6.8                           | 32.7              | 10.9 | 17.1     | 13.2                             | 1.0   | 2.8               |
| For-profit                                    | 38.5   | 1.7                           | 31.9              | 13.3 | 5.7      | 2.8                              | 3.2   | 3.0               |
| Not-for-profit                                | 11.3   | 6.9                           | 50.5              | 1.9  | 10.9     | 1.1                              | 10.2  | 7.3               |
| Local/state government                        | 6.5    | 19.1                          | 41.2              | 2.6  | 8.0      | 2.0                              | 9.6   | 11.0              |
| Federal government                            | 21.8   | 3.0                           | 33.3              | 6.7  | 5.7      | 3.7                              | 15.6  | 10.2              |
| Military                                      | ‡      | ‡                             | ‡                 | ‡    | ‡        | ‡                                | ‡     | ‡                 |
| <b>Occupation<sup>2</sup></b>                 |        |                               |                   |      |          |                                  |       |                   |
| Business and management                       | 62.1   | 2.9                           | 30.5              | 2.2  | #        | 0.5                              | 0.5   | 1.4               |
| Education                                     | 4.9    | 46.4                          | 36.6              | 0.9  | 0.7      | 0.6                              | 6.2   | 3.6               |
| Health professions                            | 0.5    | 2.6                           | 30.9              | #    | 40.9     | 11.0                             | 3.7   | 10.5              |
| Service industries                            | 39.7   | 0.4                           | 38.6              | 15.8 | 1.6      | 1.9                              | #     | 2.1               |
| Research, other professional/<br>technical    | 7.8    | 2.2                           | 47.3              | 22.9 | 1.1      | 1.2                              | 12.3  | 5.4               |
| Engineering/architecture/<br>computer science | 25.0   | #                             | 57.5              | #    | #        | #                                | 5.0   | 12.6              |
| Other   | 31.5   | 3.7                           | 31.9              | 29.5 | #        | 3.5                              | #     | #                 |
| <b>Salary<sup>2</sup></b>                     |        |                               |                   |      |          |                                  |       |                   |
| Low   | 12.4   | 23.4                          | 48.0              | 7.7  | 1.3      | 1.2                              | 4.0   | 2.1               |
| Middle  | 14.2   | 20.1                          | 40.9              | 5.0  | 7.4      | 1.7                              | 6.1   | 4.5               |
| High  | 34.2   | 4.8                           | 25.1              | 9.1  | 10.2     | 4.4                              | 4.8   | 7.3               |
| <b>Marital status</b>                         |        |                               |                   |      |          |                                  |       |                   |
| Single, never married                         | 24.2   | 9.6                           | 31.5              | 10.2 | 9.1      | 2.9                              | 6.9   | 5.7               |
| Married or cohabiting                         | 18.8   | 17.6                          | 39.4              | 5.6  | 7.0      | 2.4                              | 5.0   | 4.3               |
| Separated/divorced/widowed                    | 16.7   | 22.2                          | 38.0              | 6.5  | 2.9      | 1.3                              | 2.0   | 10.3              |
| <b>Number of dependents under age 18</b>      |        |                               |                   |      |          |                                  |       |                   |
| None  | 19.0   | 12.7                          | 37.1              | 9.0  | 7.7      | 2.7                              | 6.3   | 5.5               |
| One or more                                   | 20.9   | 20.1                          | 38.0              | 3.8  | 6.6      | 2.1                              | 4.1   | 4.3               |

#Rounds to zero.

‡Reporting standards not met (too few cases).

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Detail may not sum to totals because of rounding. Detailed degree program was not determined for advanced degrees earned before 1997.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).



**Table I.5. Among 1992–93 bachelor’s degree recipients with advanced degrees, percentage distribution across advanced degree fields of study, by selected characteristics: 2003**

| Selected characteristics                         | Business<br>and manage-<br>ment | Education | Health | Arts and<br>humanities | Social and<br>behavioral<br>sciences | Science/<br>math/engi-<br>neering | Other |
|--|---------------------------------|-----------|--------|------------------------|--------------------------------------|-----------------------------------|-------|
| U.S. total (excluding<br>Puerto Rico)            | 20.2                            | 21.9      | 13.0   | 6.4                    | 6.9                                  | 12.1                              | 19.5  |
| Total (50 states, D.C.,<br>and Puerto Rico)      | 20.2                            | 21.9      | 13.0   | 6.4                    | 6.9                                  | 12.1                              | 19.6  |
| Gender   |                                 |           |        |                        |                                      |                                   |       |
| Male   | 25.2                            | 11.7      | 13.8   | 6.1                    | 4.2                                  | 18.0                              | 20.9  |
| Female   | 16.1                            | 30.4      | 12.2   | 6.6                    | 9.1                                  | 7.2                               | 18.3  |
| Race/ethnicity <sup>1</sup>                      |                                 |           |        |                        |                                      |                                   |       |
| White, non-Hispanic                              | 20.1                            | 23.1      | 12.1   | 6.6                    | 6.7                                  | 11.8                              | 19.5  |
| Black, non-Hispanic                              | 31.8                            | 19.1      | 7.6    | 4.2                    | 10.6                                 | 12.4                              | 14.3  |
| Hispanic   | 12.2                            | 21.7      | 8.0    | 5.1                    | 11.2                                 | 14.3                              | 27.5  |
| Asian/Pacific Islander                           | 17.4                            | 1.7       | 36.1   | 5.4                    | 1.7                                  | 17.1                              | 20.7  |
| Age at bachelor’s degree completion              |                                 |           |        |                        |                                      |                                   |       |
| 22 or younger                                    | 18.8                            | 19.5      | 15.2   | 7.3                    | 6.9                                  | 11.7                              | 20.6  |
| 23–24  | 18.8                            | 25.4      | 10.1   | 4.2                    | 6.6                                  | 15.0                              | 19.8  |
| 25–29  | 33.9                            | 19.7      | 8.7    | 4.1                    | 4.8                                  | 12.8                              | 16.0  |
| 30 or older                                      | 22.2                            | 30.4      | 7.6    | 5.3                    | 8.6                                  | 9.7                               | 16.2  |
| Baccalaureate degree major                       |                                 |           |        |                        |                                      |                                   |       |
| Business and management                          | 60.7                            | 11.6      | 6.0    | 1.5                    | 0.5                                  | 4.9                               | 15.0  |
| Education  | 4.5                             | 63.3      | 5.6    | 8.9                    | 3.3                                  | 2.2                               | 12.2  |
| Engineering                                      | 25.9                            | 0.6       | 3.0    | 1.2                    | 0.5                                  | 61.3                              | 7.6   |
| Health   | 4.2                             | 7.1       | 52.7   | 2.1                    | 4.0                                  | 3.5                               | 26.4  |
| Public affairs/social services                   | 21.8                            | 7.7       | 2.1    | 1.6                    | 50.0                                 | #                                 | 16.8  |
| Humanities                                       | 12.5                            | 24.4      | 5.1    | 27.8                   | 5.1                                  | 1.7                               | 23.5  |
| Social and behavioral sciences                   | 22.2                            | 18.9      | 7.4    | 2.6                    | 15.9                                 | 3.3                               | 29.8  |
| Natural sciences and mathematics                 | 6.8                             | 9.0       | 31.0   | 1.9                    | 2.4                                  | 33.5                              | 15.4  |
| Other  | 16.3                            | 24.5      | 10.4   | 6.5                    | 10.0                                 | 6.4                               | 25.9  |
| Time between college entry and bachelor’s degree |                                 |           |        |                        |                                      |                                   |       |
| 4 years or less                                  | 18.8                            | 19.0      | 15.5   | 7.3                    | 6.7                                  | 11.8                              | 20.9  |
| 5–6 years  | 18.5                            | 24.1      | 10.9   | 5.8                    | 7.9                                  | 13.8                              | 19.0  |
| More than 6 years                                | 27.7                            | 26.6      | 9.7    | 5.0                    | 6.0                                  | 9.4                               | 15.7  |
| Bachelor’s degree-granting institution           |                                 |           |        |                        |                                      |                                   |       |
| Public 4-year                                    | 18.2                            | 24.9      | 11.8   | 4.7                    | 6.7                                  | 12.1                              | 21.5  |
| Private not-for-profit 4-year                    | 22.0                            | 18.2      | 14.3   | 9.5                    | 7.5                                  | 11.9                              | 16.7  |
| Other  | 36.0                            | 7.8       | 19.2   | 1.2                    | 3.7                                  | 15.4                              | 16.8  |
| Labor force participation                        |                                 |           |        |                        |                                      |                                   |       |
| Employed, total                                  | 20.9                            | 21.7      | 12.9   | 6.1                    | 7.0                                  | 12.2                              | 19.3  |
| Full time, one job                               | 22.3                            | 21.0      | 12.0   | 4.6                    | 6.1                                  | 14.1                              | 20.0  |
| Part time, one job                               | 15.8                            | 23.7      | 17.7   | 10.8                   | 11.3                                 | 5.4                               | 15.4  |
| Multiple jobs                                    | 15.2                            | 24.8      | 15.1   | 12.6                   | 10.1                                 | 5.0                               | 17.2  |
| Unemployed                                       | 18.0                            | 14.3      | 2.7    | 18.7                   | 4.6                                  | 7.2                               | 34.5  |
| Out of the labor force                           | 10.6                            | 28.0      | 18.3   | 6.2                    | 6.2                                  | 12.2                              | 18.5  |

See notes at end of table.

**Table I.5. Among 1992–93 bachelor’s degree recipients with advanced degrees, percentage distribution across advanced degree fields of study, by selected characteristics: 2003—Continued**

| Selected characteristics                  | Business and management | Education | Health | Arts and humanities | Social and behavioral sciences | Science/math/engineering | Other |
|---|-------------------------|-----------|--------|---------------------|--------------------------------|--------------------------|-------|
| <b>Type of employer<sup>2</sup></b>       |                         |           |        |                     |                                |                          |       |
| Self-employed                             | 15.1                    | 10.4      | 27.1   | 7.6                 | 5.8                            | 8.5                      | 25.6  |
| For-profit                                | 33.8                    | 4.2       | 13.0   | 3.6                 | 3.5                            | 15.4                     | 26.6  |
| Not-for-profit                            | 15.5                    | 15.0      | 18.0   | 13.6                | 12.5                           | 10.4                     | 15.0  |
| Local/state government                    | 11.0                    | 25.9      | 10.4   | 6.5                 | 14.1                           | 12.0                     | 20.1  |
| Federal government                        | 25.8                    | 3.5       | 13.4   | 0.8                 | 1.2                            | 35.6                     | 19.6  |
| Military                                  | 41.0                    | 1.6       | 16.9   | 2.3                 | 2.6                            | 26.6                     | 9.0   |
| <b>Occupation<sup>2</sup></b>             |                         |           |        |                     |                                |                          |       |
| Business and management                   | 62.4                    | 4.9       | 4.8    | 3.7                 | 4.0                            | 7.5                      | 12.8  |
| Education                                 | 4.9                     | 62.7      | 2.7    | 8.0                 | 6.6                            | 5.4                      | 9.8   |
| Health professions                        | 1.6                     | 3.0       | 71.0   | 0.5                 | 1.6                            | 4.6                      | 17.7  |
| Service industries                        | 38.7                    | 10.9      | 7.1    | 7.9                 | 7.6                            | 7.0                      | 20.8  |
| Research, other professional/technical    | 9.4                     | 5.9       | 3.4    | 12.2                | 15.2                           | 15.1                     | 38.8  |
| Engineering/architecture/computer science | 17.1                    | 1.6       | 2.3    | 1.4                 | 1.2                            | 63.3                     | 13.0  |
| Other                                     | 29.8                    | 3.9       | 4.7    | 2.8                 | 4.2                            | 16.3                     | 38.2  |
| <b>Salary<sup>2</sup></b>                 |                         |           |        |                     |                                |                          |       |
| Low                                       | 11.9                    | 34.4      | 7.5    | 15.8                | 9.5                            | 5.3                      | 15.5  |
| Middle                                    | 15.7                    | 27.3      | 13.3   | 6.0                 | 8.6                            | 10.8                     | 18.3  |
| High                                      | 32.3                    | 5.9       | 15.3   | 1.8                 | 2.7                            | 18.1                     | 24.0  |
| <b>Marital status</b>                     |                         |           |        |                     |                                |                          |       |
| Single, never married                     | 23.4                    | 14.3      | 13.4   | 7.1                 | 6.2                            | 12.1                     | 23.5  |
| Married or cohabiting                     | 19.2                    | 23.4      | 13.1   | 6.2                 | 7.0                            | 12.2                     | 19.0  |
| Separated/divorced/widowed                | 20.2                    | 30.9      | 10.1   | 6.5                 | 8.9                            | 11.2                     | 12.3  |
| <b>Number of dependents under age 18</b>  |                         |           |        |                     |                                |                          |       |
| None                                      | 20.4                    | 18.3      | 12.1   | 7.9                 | 8.1                            | 12.5                     | 20.8  |
| One or more                               | 20.1                    | 26.1      | 14.0   | 4.6                 | 5.5                            | 11.7                     | 18.2  |

# Rounds to zero.

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table I.6. Percentage of 1992–93 bachelor’s degree recipients with advanced degrees who received various types of aid for graduate study, by selected characteristics: 2003**

| Selected characteristics                         | Student loans | Grants/scholarships/fellowships | Tuition waiver | Teaching assistantship | Research assistantship | Employer tuition reimbursement |
|--|---------------|---------------------------------|----------------|------------------------|------------------------|--------------------------------|
| U.S. total (excluding Puerto Rico)               | 47.0          | 27.9                            | 11.8           | 10.7                   | 9.4                    | 17.7                           |
| Total (50 states, D.C., and Puerto Rico)         | 47.1          | 27.9                            | 11.7           | 10.7                   | 9.4                    | 17.7                           |
| Gender   |               |                                 |                |                        |                        |                                |
| Male   | 45.7          | 26.9                            | 11.8           | 13.1                   | 12.3                   | 19.1                           |
| Female   | 48.1          | 28.8                            | 11.7           | 8.8                    | 7.0                    | 16.6                           |
| Race/ethnicity <sup>1</sup>                      |               |                                 |                |                        |                        |                                |
| White, non-Hispanic                              | 45.9          | 26.8                            | 11.7           | 11.5                   | 10.2                   | 18.3                           |
| Black, non-Hispanic                              | 54.9          | 37.5                            | 13.6           | 6.5                    | 3.9                    | 15.9                           |
| Hispanic   | 56.3          | 29.0                            | 6.7            | 7.5                    | 5.8                    | 24.3                           |
| Asian/Pacific Islander                           | 49.3          | 29.8                            | 14.1           | 7.6                    | 4.7                    | 4.5                            |
| Age at bachelor’s degree completion              |               |                                 |                |                        |                        |                                |
| 22 or younger                                    | 50.9          | 30.6                            | 11.5           | 11.1                   | 10.5                   | 15.6                           |
| 23–24  | 50.0          | 25.5                            | 13.0           | 13.9                   | 12.8                   | 14.8                           |
| 25–29  | 39.4          | 24.3                            | 8.6            | 10.2                   | 4.5                    | 30.4                           |
| 30 or older                                      | 28.5          | 19.2                            | 12.7           | 4.4                    | 1.5                    | 25.4                           |
| Baccalaureate degree major                       |               |                                 |                |                        |                        |                                |
| Business and management                          | 40.6          | 13.5                            | 5.9            | 5.0                    | 1.4                    | 30.9                           |
| Education  | 34.4          | 24.8                            | 12.4           | 5.9                    | 2.9                    | 15.8                           |
| Engineering                                      | 32.1          | 27.6                            | 7.4            | 19.1                   | 17.9                   | 22.5                           |
| Health   | 40.1          | 40.5                            | 8.6            | 8.6                    | 3.3                    | 22.3                           |
| Public affairs/social services                   | 53.2          | 32.7                            | 1.5            | 2.8                    | 5.8                    | 6.9                            |
| Humanities                                       | 51.0          | 35.1                            | 14.5           | 11.9                   | 7.8                    | 11.8                           |
| Social and behavioral sciences                   | 53.5          | 29.6                            | 9.0            | 9.5                    | 11.0                   | 15.8                           |
| Natural sciences and mathematics                 | 59.4          | 33.5                            | 21.1           | 22.3                   | 21.0                   | 13.9                           |
| Other  | 51.4          | 25.8                            | 12.7           | 6.9                    | 9.8                    | 14.9                           |
| Time between college entry and bachelor’s degree |               |                                 |                |                        |                        |                                |
| 4 years or less                                  | 50.8          | 30.7                            | 12.2           | 11.8                   | 10.8                   | 15.1                           |
| 5–6 years  | 47.9          | 27.6                            | 10.8           | 11.4                   | 10.8                   | 16.6                           |
| More than 6 years                                | 36.0          | 20.9                            | 10.3           | 6.5                    | 2.5                    | 27.4                           |
| Bachelor’s degree-granting institution           |               |                                 |                |                        |                        |                                |
| Public 4-year                                    | 46.1          | 26.3                            | 12.0           | 10.4                   | 9.7                    | 17.8                           |
| Private not-for-profit 4-year                    | 49.2          | 31.7                            | 11.2           | 11.6                   | 9.2                    | 19.1                           |
| Other  | 40.0          | 13.5                            | 13.0           | 5.4                    | 4.9                    | 0.5                            |
| Labor force participation                        |               |                                 |                |                        |                        |                                |
| Employed, total                                  | 47.4          | 27.8                            | 11.6           | 10.7                   | 9.3                    | 18.3                           |
| Full time, one job                               | 46.7          | 27.2                            | 11.0           | 9.9                    | 9.1                    | 19.3                           |
| Part time, one job                               | 46.8          | 31.8                            | 14.5           | 16.4                   | 13.1                   | 16.0                           |
| Multiple jobs                                    | 52.4          | 29.0                            | 13.5           | 12.0                   | 8.0                    | 12.8                           |
| Unemployed                                       | 59.8          | 31.5                            | 25.9           | 16.0                   | 7.4                    | 11.7                           |
| Out of the labor force                           | 37.0          | 27.6                            | 8.1            | 8.5                    | 11.2                   | 11.6                           |

See notes at end of table.

**Table I.6. Percentage of 1992–93 bachelor’s degree recipients with advanced degrees who received various types of aid for graduate study, by selected characteristics: 2003—Continued**

| Selected characteristics                  | Student loans | Grants/scholarships/fellowships | Tuition waiver | Teaching assistantship | Research assistantship | Employer tuition reimbursement |
|---|---------------|---------------------------------|----------------|------------------------|------------------------|--------------------------------|
| <b>Type of employer<sup>2</sup></b>       |               |                                 |                |                        |                        |                                |
| Self-employed                             | 54.9          | 34.6                            | 6.6            | 12.5                   | 7.3                    | 7.4                            |
| For-profit                                | 51.1          | 24.7                            | 7.3            | 10.5                   | 8.0                    | 22.3                           |
| Not-for-profit                            | 49.0          | 35.5                            | 18.1           | 13.9                   | 15.6                   | 16.4                           |
| Local/state government                    | 46.3          | 27.4                            | 18.0           | 15.0                   | 13.8                   | 10.3                           |
| Federal government                        | 39.1          | 35.9                            | 15.3           | 11.9                   | 16.0                   | 25.4                           |
| Military                                  | 27.4          | 42.3                            | 21.0           | 3.7                    | 1.3                    | 23.1                           |
| <b>Occupation<sup>2</sup></b>             |               |                                 |                |                        |                        |                                |
| Business and management                   | 41.3          | 16.5                            | 3.9            | 6.9                    | 4.5                    | 30.9                           |
| Education                                 | 38.8          | 23.8                            | 17.0           | 11.5                   | 7.6                    | 16.0                           |
| Health professions                        | 67.3          | 35.8                            | 8.6            | 5.5                    | 6.9                    | 10.3                           |
| Service industries                        | 33.9          | 20.2                            | 2.4            | 11.6                   | 3.9                    | 24.5                           |
| Research, other professional/technical    | 56.6          | 38.1                            | 15.0           | 13.8                   | 17.5                   | 9.5                            |
| Engineering/architecture/computer science | 30.9          | 27.7                            | 8.3            | 22.5                   | 16.1                   | 24.7                           |
| Other                                     | 52.3          | 37.5                            | 20.6           | 2.8                    | 3.0                    | 17.7                           |
| <b>Salary<sup>2</sup></b>                 |               |                                 |                |                        |                        |                                |
| Low                                       | 50.5          | 31.4                            | 16.3           | 16.4                   | 13.7                   | 11.8                           |
| Middle                                    | 45.1          | 27.3                            | 12.4           | 9.2                    | 9.1                    | 16.1                           |
| High                                      | 48.7          | 26.7                            | 8.0            | 9.9                    | 7.2                    | 23.8                           |
| <b>Marital status</b>                     |               |                                 |                |                        |                        |                                |
| Single, never married                     | 60.8          | 30.8                            | 13.2           | 12.4                   | 9.3                    | 14.3                           |
| Married or cohabiting                     | 42.9          | 27.5                            | 11.0           | 10.6                   | 9.7                    | 18.7                           |
| Separated/divorced/widowed                | 45.6          | 22.7                            | 14.4           | 6.0                    | 5.5                    | 19.1                           |
| <b>Number of dependents under age 18</b>  |               |                                 |                |                        |                        |                                |
| None                                      | 52.1          | 30.8                            | 13.8           | 11.9                   | 10.7                   | 15.3                           |
| One or more                               | 41.0          | 24.4                            | 9.2            | 9.2                    | 7.7                    | 20.7                           |

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table I.7. Percentage of 1992–93 bachelor’s degree recipients who enrolled in subsequent undergraduate degree programs, and of those, percentage who completed such a program, by selected characteristics: 2003**

| Selected characteristics                         | Percent who enrolled in       |                    |                   |      | Of those enrolled, percent completed |
|--|-------------------------------|--------------------|-------------------|------|--------------------------------------|
|  | Technical diploma/certificate | Associate’s degree | Bachelor’s degree | Any  |                                      |
| U.S. total (excluding Puerto Rico)               | 2.2                           | 1.9                | 5.7               | 9.3  | 58.4                                 |
| Total (50 states, D.C., and Puerto Rico)         | 2.2                           | 1.9                | 5.6               | 9.2  | 58.6                                 |
| Gender   |                               |                    |                   |      |                                      |
| Male   | 2.1                           | 2.0                | 4.9               | 8.5  | 55.8                                 |
| Female   | 2.3                           | 1.8                | 6.3               | 9.9  | 60.6                                 |
| Race/ethnicity <sup>1</sup>                      |                               |                    |                   |      |                                      |
| White, non-Hispanic                              | 2.1                           | 1.8                | 5.6               | 9.0  | 58.3                                 |
| Black, non-Hispanic                              | 3.6                           | 3.1                | 8.2               | 13.7 | 57.6                                 |
| Hispanic   | 1.8                           | 1.3                | 4.5               | 7.0  | ‡                                    |
| Asian/Pacific Islander                           | 2.6                           | 2.8                | 4.1               | 9.6  | ‡                                    |
| Age at bachelor’s degree completion              |                               |                    |                   |      |                                      |
| 22 or younger                                    | 1.4                           | 1.7                | 4.8               | 7.6  | 59.4                                 |
| 23–24  | 2.4                           | 2.0                | 7.3               | 10.9 | 61.0                                 |
| 25–29  | 3.0                           | 1.4                | 6.6               | 10.6 | 51.2                                 |
| 30 or older                                      | 3.9                           | 3.0                | 4.8               | 10.7 | 58.2                                 |
| Baccalaureate degree major                       |                               |                    |                   |      |                                      |
| Business and management                          | 1.5                           | 1.7                | 3.6               | 6.4  | 54.2                                 |
| Education  | 1.7                           | 1.6                | 7.2               | 9.9  | 73.0                                 |
| Engineering                                      | 1.4                           | 0.8                | 4.9               | 6.9  | 49.6                                 |
| Health   | 1.9                           | 1.9                | 5.8               | 8.0  | 64.7                                 |
| Public affairs/social services                   | 3.0                           | 1.4                | 3.0               | 6.9  | ‡                                    |
| Humanities                                       | 2.9                           | 2.2                | 5.1               | 9.9  | 53.5                                 |
| Social and behavioral sciences                   | 2.7                           | 3.3                | 7.9               | 13.3 | 50.7                                 |
| Natural sciences and mathematics                 | 1.5                           | 1.0                | 7.9               | 10.1 | 68.8                                 |
| Other  | 3.8                           | 2.3                | 5.1               | 10.4 | 56.5                                 |
| Time between college entry and bachelor’s degree |                               |                    |                   |      |                                      |
| 4 years or less                                  | 1.2                           | 1.8                | 4.6               | 7.1  | 59.1                                 |
| 5–6 years  | 2.5                           | 1.8                | 6.8               | 10.5 | 59.9                                 |
| More than 6 years                                | 3.3                           | 2.4                | 5.4               | 10.3 | 56.8                                 |
| Bachelor’s degree-granting institution           |                               |                    |                   |      |                                      |
| Public 4-year                                    | 2.4                           | 2.3                | 6.9               | 10.9 | 59.5                                 |
| Private not-for-profit 4-year                    | 1.8                           | 1.3                | 3.4               | 6.3  | 56.4                                 |
| Other  | 1.3                           | 0.4                | 2.0               | 3.7  | ‡                                    |
| Labor force participation                        |                               |                    |                   |      |                                      |
| Employed, total                                  | 2.1                           | 1.8                | 5.7               | 9.2  | 58.7                                 |
| Full time, one job                               | 1.9                           | 1.6                | 5.3               | 8.4  | 58.4                                 |
| Part time, one job                               | 2.9                           | 2.9                | 7.3               | 12.3 | 59.2                                 |
| Multiple jobs                                    | 3.2                           | 2.6                | 7.3               | 12.4 | 60.2                                 |
| Unemployed                                       | 5.3                           | 4.6                | 7.9               | 15.9 | 49.2                                 |
| Out of the labor force                           | 1.8                           | 1.9                | 3.9               | 7.1  | 66.1                                 |

See notes at end of table.

**Table I.7. Percentage of 1992–93 bachelor’s degree recipients who enrolled in subsequent undergraduate degree programs, and of those, percentage who completed such a program, by selected characteristics: 2003—Continued**

| Selected characteristics                      | Percent who enrolled in       |                    |                   |      | Of those enrolled, percent completed |
|---|-------------------------------|--------------------|-------------------|------|--------------------------------------|
|   | Technical diploma/certificate | Associate’s degree | Bachelor’s degree | Any  |                                      |
| <b>Type of employer<sup>2</sup></b>           |                               |                    |                   |      |                                      |
| Self-employed                                 | 2.4                           | 2.1                | 5.3               | 9.6  | 57.0                                 |
| For-profit                                    | 2.0                           | 1.9                | 4.9               | 8.3  | 51.0                                 |
| Not-for-profit                                | 2.3                           | 2.6                | 6.1               | 10.2 | 61.4                                 |
| Local/state government                        | 2.7                           | 2.5                | 6.5               | 11.1 | 64.0                                 |
| Federal government                            | 2.9                           | 0.4                | 4.8               | 8.2  | ‡                                    |
| Military                                      | 1.8                           | 3.1                | 2.1               | 6.2  | ‡                                    |
| <b>Occupation<sup>2</sup></b>                 |                               |                    |                   |      |                                      |
| Business and management                       | 2.1                           | 1.2                | 3.8               | 6.8  | 56.9                                 |
| Education                                     | 2.3                           | 0.8                | 7.8               | 10.3 | 74.4                                 |
| Health professions                            | 0.9                           | 5.4                | 10.4              | 15.6 | 59.4                                 |
| Service industries                            | 3.1                           | 1.1                | 4.6               | 8.5  | 42.7                                 |
| Research, other professional/technical        | 1.9                           | 2.4                | 5.3               | 9.1  | 58.8                                 |
| Engineering/architecture/<br>computer science | 3.8                           | 1.7                | 5.3               | 9.8  | 54.4                                 |
| Other   | 2.1                           | 3.4                | 4.8               | 9.6  | 39.8                                 |
| <b>Salary<sup>2</sup></b>                     |                               |                    |                   |      |                                      |
| Low   | 3.2                           | 2.6                | 6.9               | 12.0 | 56.2                                 |
| Middle  | 2.1                           | 2.1                | 6.7               | 10.1 | 60.2                                 |
| High  | 1.5                           | 0.7                | 2.6               | 4.7  | 60.4                                 |
| <b>Marital status</b>                         |                               |                    |                   |      |                                      |
| Single, never married                         | 2.4                           | 2.4                | 6.5               | 10.6 | 56.4                                 |
| Married or cohabiting                         | 2.0                           | 1.7                | 5.2               | 8.4  | 58.7                                 |
| Separated/divorced/widowed                    | 3.5                           | 3.3                | 7.3               | 13.6 | 62.3                                 |
| <b>Number of dependents under age 18</b>      |                               |                    |                   |      |                                      |
| None  | 2.4                           | 2.0                | 6.6               | 10.4 | 59.9                                 |
| One or more                                   | 2.1                           | 1.9                | 4.7               | 8.1  | 57.0                                 |

‡Reporting standards not met (too few cases).

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Detail does not sum to totals because respondents could enroll in more than one type of program.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table I.8. Percentage of 1992–93 bachelor’s degree recipients who enrolled in other types of education, by selected characteristics: 2003**

| Selected characteristics                                | Occupational license <sup>1</sup> | Professional certification <sup>1</sup> | Work-related classes <sup>2</sup> | Personal enrichment classes <sup>2</sup> |
|---|-----------------------------------|---|-----------------------------------|--|
| U.S. total (excluding Puerto Rico)                      | 24.9                              | 30.2                                    | 44.5                              | 18.1                                     |
| Total (50 states, D.C., and Puerto Rico)                | 25.1                              | 30.2                                    | 44.5                              | 18.2                                     |
| <b>Gender</b>   |                                   |   |                                   |  |
| Male  | 24.1                              | 27.7                                    | 42.7                              | 13.2                                     |
| Female  | 25.8                              | 32.2                                    | 46.0                              | 22.2                                     |
| <b>Race/ethnicity<sup>3</sup></b>                       |                                   |   |                                   |  |
| White, non-Hispanic                                     | 24.4                              | 29.9                                    | 44.1                              | 17.7                                     |
| Black, non-Hispanic                                     | 24.4                              | 35.0                                    | 49.6                              | 20.3                                     |
| Hispanic  | 28.2                              | 31.1                                    | 47.2                              | 19.6                                     |
| Asian/Pacific Islander                                  | 30.0                              | 25.5                                    | 41.9                              | 22.9                                     |
| <b>Age at bachelor’s degree completion</b>              |                                   |   |                                   |  |
| 22 or younger   | 25.9                              | 28.9                                    | 44.1                              | 17.6                                     |
| 23–24   | 23.8                              | 29.2                                    | 44.9                              | 16.9                                     |
| 25–29   | 24.2                              | 31.2                                    | 41.4                              | 18.2                                     |
| 30 or older   | 25.3                              | 35.2                                    | 47.4                              | 21.8                                     |
| <b>Baccalaureate degree major</b>                       |                                   |   |                                   |  |
| Business and management                                 | 21.5                              | 25.5                                    | 41.3                              | 13.6                                     |
| Education   | 27.8                              | 46.4                                    | 49.0                              | 19.5                                     |
| Engineering   | 16.3                              | 18.3                                    | 51.9                              | 13.9                                     |
| Health  | 36.4                              | 39.3                                    | 46.2                              | 21.5                                     |
| Public affairs/social services                          | 34.5                              | 33.5                                    | 47.7                              | 17.9                                     |
| Humanities  | 20.6                              | 27.2                                    | 39.1                              | 21.4                                     |
| Social and behavioral sciences                          | 26.1                              | 25.1                                    | 46.1                              | 19.8                                     |
| Natural sciences and mathematics                        | 29.5                              | 32.4                                    | 41.1                              | 17.9                                     |
| Other   | 24.1                              | 28.7                                    | 45.5                              | 20.8                                     |
| <b>Time between college entry and bachelor’s degree</b> |                                   |   |                                   |  |
| 4 years or less   | 26.6                              | 28.4                                    | 43.0                              | 16.8                                     |
| 5–6 years   | 23.7                              | 30.4                                    | 45.0                              | 18.7                                     |
| More than 6 years                                       | 24.9                              | 32.2                                    | 46.0                              | 19.4                                     |
| <b>Bachelor’s degree-granting institution</b>           |                                   |   |                                   |  |
| Public 4-year   | 24.7                              | 31.6                                    | 46.1                              | 17.7                                     |
| Private not-for-profit 4-year                           | 25.8                              | 27.7                                    | 41.2                              | 18.8                                     |
| Other   | 25.3                              | 25.1                                    | 45.4                              | 21.8                                     |
| <b>Labor force participation</b>                        |                                   |   |                                   |  |
| Employed, total   | 25.8                              | 30.6                                    | 48.9                              | 17.8                                     |
| Full time, one job                                      | 24.8                              | 29.8                                    | 50.4                              | 16.9                                     |
| Part time, one job                                      | 26.4                              | 27.1                                    | 38.0                              | 19.2                                     |
| Multiple jobs   | 32.6                              | 39.6                                    | 47.1                              | 23.7                                     |
| Unemployed  | 17.9                              | 26.9                                    | 23.4                              | 19.1                                     |
| Out of the labor force                                  | 20.9                              | 27.5                                    | 10.6                              | 21.3                                     |

See notes at end of table.

**Table I.8. Percentage of 1992–93 bachelor’s degree recipients who enrolled in other types of education, by selected characteristics: 2003—Continued**

| Selected characteristics                  | Occupational license <sup>1</sup> | Professional certification <sup>1</sup> | Work-related classes <sup>2</sup> | Personal enrichment classes <sup>2</sup> |
|---|-----------------------------------|---|-----------------------------------|--|
| <b>Type of employer<sup>4</sup></b>       |                                   |   |                                   |  |
| Self-employed                             | 29.7                              | 26.6                                    | 23.6                              | 21.7                                     |
| For-profit                                | 21.3                              | 23.3                                    | 42.3                              | 15.3                                     |
| Not-for-profit                            | 25.9                              | 30.3                                    | 44.7                              | 22.0                                     |
| Local/state government                    | 29.8                              | 36.6                                    | 52.5                              | 20.7                                     |
| Federal government                        | 21.4                              | 25.2                                    | 54.3                              | 24.2                                     |
| Military                                  | 21.6                              | 27.3                                    | 59.2                              | 11.8                                     |
| <b>Occupation<sup>4</sup></b>             |                                   |   |                                   |  |
| Business and management                   | 21.3                              | 23.5                                    | 42.9                              | 16.9                                     |
| Education                                 | 32.1                              | 53.8                                    | 55.6                              | 20.5                                     |
| Health professions                        | 45.7                              | 42.9                                    | 42.3                              | 19.2                                     |
| Service industries                        | 20.0                              | 19.7                                    | 34.4                              | 14.7                                     |
| Research, other professional/technical    | 23.5                              | 22.5                                    | 47.0                              | 22.4                                     |
| Engineering/architecture/computer science | 15.5                              | 25.2                                    | 52.0                              | 15.2                                     |
| Other                                     | 22.2                              | 23.7                                    | 31.6                              | 13.4                                     |
| <b>Salary<sup>4</sup></b>                 |                                   |   |                                   |  |
| Low                                       | 25.1                              | 31.4                                    | 35.1                              | 18.0                                     |
| Middle                                    | 27.0                              | 32.8                                    | 48.9                              | 18.8                                     |
| High                                      | 22.4                              | 25.1                                    | 47.7                              | 16.6                                     |
| <b>Marital status</b>                     |                                   |   |                                   |  |
| Single, never married                     | 27.3                              | 28.2                                    | 41.7                              | 21.2                                     |
| Married or cohabiting                     | 24.2                              | 30.5                                    | 44.8                              | 17.2                                     |
| Separated/divorced/widowed                | 27.6                              | 32.6                                    | 49.6                              | 18.7                                     |
| <b>Number of dependents under age 18</b>  |                                   |   |                                   |  |
| None                                      | 25.5                              | 28.3                                    | 45.0                              | 21.2                                     |
| One or more                               | 24.7                              | 32.0                                    | 44.0                              | 15.3                                     |

<sup>1</sup>Since 1993.

<sup>2</sup>In the past 12 months.

<sup>3</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>4</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).



## Section II: Employment

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**Table II.1**

- In 2003, among 1992–93 college graduates, about three-fourths of Asians (77 percent) and Hispanics (76 percent) and about 69 percent of Blacks and Whites had one full-time job.<sup>16</sup>
- Graduates with undergraduate majors in engineering were more likely to be employed in one full-time job 10 years after college graduation than those with any other baccalaureate majors (85 percent vs. 55–77 percent). Those who majored in health were generally less likely than those who majored in other subjects to be employed full time in one job after 10 years.
- Overall, 4 percent of 1992–93 college graduates were unemployed; health majors were less likely to be unemployed than undergraduate majors in business, engineering, humanities, social science, or natural sciences and mathematics.
- College graduates from 1992–93 who were employed currently or most recently by the military were more likely to work full time at one job in 2003 (83 percent) than those who were currently or most recently self-employed (59 percent), employed by a not-for-profit organization (61 percent), and those who had been employed by local or state government (64 percent).
- Single graduates who had never married were more likely than other graduates to work full time<sup>17</sup> (76 vs. 67–69 percent).
- College graduates from 1992–93 who had no dependents younger than age 18 were more likely to be employed full time than graduates with dependents (75 percent of graduates without dependents and 66 percent of those with dependents worked full time). Ten percent of graduates with no dependents and 8 percent with dependents worked multiple jobs.

**Table II.2**

- Among college graduates who were employed in 2003, men worked more hours per week than women, on average, both in full-time jobs (49 vs. 45 hours) and in multiple jobs (59 vs. 49 hours).

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<sup>16</sup> When interviewed in 2003, graduates were asked about the characteristics of their current job or, if not employed, about their most recent job, as long as they were employed at some point since 1997. Unless otherwise specified, employment status refers to status when interviewed in 2003, but job characteristics refer to the graduate's current (2003) or most recent (since 1997) job. (Only employed graduates are included in tables II.2 through II.7; job characteristics in those tables describe the current [2003] job.)

<sup>17</sup> As indicated in footnote 5, “working full time” and “working part time” refer to graduates with only one job (in contrast to those who worked in multiple jobs).

- Across racial/ethnic groups, 1992–93 bachelor’s degree recipients with one full-time job worked an average of 45–48 hours per week.
- Employed college graduates with an undergraduate major in health worked fewer hours per week in one full-time job (about 45 hours) than those with most other majors, who averaged 47–49 hours per week; an exception was those with a public affairs major, who worked about 44 hours per week.
- Compared with full-time workers who had bachelor’s or master’s degrees, doctoral or first-professional degree recipients worked about 7 hours more per week. Those with doctoral or first-professional degrees worked about 54 hours per week in one full-time job, on average, while college graduates whose highest degree was a master’s or a bachelor’s degree worked about 47 hours each. Graduates who worked in multiple jobs in 2003 and whose highest level of education was a master’s degree worked fewer hours than others, averaging about 50 hours per week, compared with 55–56 hours for those whose highest degree was a bachelor’s, doctoral, or first-professional degree.
- In contrast to the differences by baccalaureate major, graduates with an advanced degree in health worked nearly one work day more per week in one full-time job than advanced degree holders in other fields. Specifically, those whose highest degree was in health worked an average of 56 hours per week, while those who studied arts and humanities or other unspecified fields for their highest degree averaged 49 hours per week and those in business and management, education, and in science, mathematics, or engineering worked 47–48 hours per week. Full-time workers who studied social and behavioral sciences for their advanced degree worked fewer hours per week than others, about 43 hours.
- Recipients of bachelor’s degrees in 1992–93 who worked full time for the military or for themselves worked more hours per week than their counterparts employed in the for-profit and not-for-profit sectors or by the government.
- Occupation followed a pattern similar to that seen for field of advanced degree. Health professionals worked more hours per week, on average, in one full-time job than those in most other occupations, who worked 46–47 hours per week, on average. However, no difference was detected between professionals in health and those in business and management in average weekly hours.
- Among 1992–93 bachelor’s degree recipients who were employed in one full-time job, average hours worked per week were higher for those with higher salaries. Those in the lowest salary group worked 45 hours per week, the middle group worked 46 hours, and those in the highest group worked 50 hours.

### **Table II.3**

- Overall, the largest proportion of 1992–93 bachelor’s degree recipients who were employed in 2003 (30 percent) worked in business and management occupations. Between 17 and 18 percent worked as educators or in research or other professional/technical occupations, 10

percent in engineering, architecture, or computer science, 9 percent each worked in health or in service industries, and the remaining 7 percent were employed in some other occupation.<sup>18</sup>

- Gender differences were apparent for those working in business (34 percent of men vs. 27 percent of women), education (9 percent of men vs. 26 percent of women), health (6 percent of men vs. 12 percent of women), and engineering, architecture, or computer science (16 percent of men vs. 4 percent of women).
- Asians were less likely to be employed as educators than Black, White, or Hispanic graduates (7 vs. 18–21 percent), and were more likely than those from other racial/ethnic groups to be employed as engineers, architects, or computer scientists (18 vs. 8–10 percent).
- Several baccalaureate majors were reflected in graduates' occupations 10 years later. Among undergraduates with business majors, 59 percent worked in business and management after 10 years. The majority of education majors (66 percent) worked as educators, and the majority of health majors (63 percent) worked as health professionals. Finally, 58 percent of undergraduate engineering majors worked in engineering, architecture, or computer science in 2003.
- About one-third of graduates whose highest degree was a bachelor's degree worked in business and management 10 years later; bachelor's degree recipients were more likely than master's or doctoral degree recipients to work in this professional field. Graduates whose highest level of education was a bachelor's degree were also more likely than those with master's, doctoral, or first-professional degrees to work in service industries (11 vs. 2–4 percent) or in engineering, architecture, or computer science (11 vs. 3–8 percent). Graduates with master's degrees were more likely than those with bachelor's degrees or those with doctoral or first-professional degrees to work as educators (35 vs. 11–14 percent), and those with doctoral or first-professional degrees were more likely to work as health professionals (36 vs. 7–8 percent) or in research or other professional or technical occupations (40 vs. 15–17 percent) than graduates with bachelor's or master's degrees.
- Advanced degree field was related to occupation in ways similar to baccalaureate major. For instance, 65 percent of graduates with an advanced degree in business and management worked in business and management in 2003. Eighty-four percent of those with education degrees worked in education, and 77 percent of those with advanced degrees in health worked as health professionals.

#### Table II.4

- The largest proportion (58 percent) of employed 1992–93 bachelor's degree recipients worked in the for-profit sector. Another 17 percent worked for a not-for-profit employer, 11 percent worked for local or state government, 10 percent were self-employed, 3 percent were employed by the federal government, and 1 percent were employed by the military.
- College graduates whose highest degree was a bachelor's degree were more likely to be employed by a for-profit company than those who had earned a master's, doctoral, or first-

<sup>18</sup> The "other" occupation category includes administrative or clerical jobs, legal support, mechanics, laborers, the military, and other unspecified occupations.

professional degree and were less likely to be employed in the not-for-profit sector or by local or state government.

- Bachelor's degree recipients who worked in one part-time job 10 years later were more likely to be self-employed than those who worked full time or had multiple jobs (23 vs. 8–14 percent).

### **Table II.5**

- Among college graduates who were employed in 2003, those who worked full time had a mean salary of \$60,700. Part-time workers averaged \$41,300, and workers with multiple jobs averaged \$48,200.
- Among full-time employees, White graduates had higher average salaries than Black graduates (\$61,200 vs. \$53,500).
- Although graduates' average salaries for one full-time job varied considerably by type of employer, self-employed graduates and those employed by a for-profit company earned more on average than others at \$76,100 and \$68,400 per year, respectively. The median salaries are somewhat lower, suggesting that a few very high salaries may have increased the mean. The median salary for those who were self-employed, worked for a for-profit firm, or were in the military was \$60,000 per year.

### **Table II.6**

- The majority of employed college graduates reported having flexible scheduling options (77 percent) or supervisory duties (59 percent) at their jobs. In addition, 43 percent said that they participated in hiring and firing decisions, over one-fourth (28 percent) reported that telecommuting was allowed in their jobs, and 23 percent participated in setting pay for other employees.
- Most employed college graduates (88 percent) reported in 2003 that they considered the job in which they were employed 10 years after attaining a bachelor's degree to be a part of their career.
- Among employed graduates, men were more likely than women to supervise others (66 vs. 53 percent), assist in hiring and firing decisions (50 vs. 36 percent), set pay for others (29 vs. 17 percent), and consider their job a part of their career (91 vs. 85 percent).
- Among 1992–93 bachelor's degree recipients who were employed in 2003, those with doctoral or first-professional degrees were less likely than graduates whose highest degree was a bachelor's or master's degree to be able to telecommute or to have flexible scheduling. However, doctoral or first-professional degree recipients were more likely than bachelor's or master's degree recipients to have supervisory duties (73 vs. 56–59 percent). Bachelor's degree recipients were more likely than master's, doctoral, or first-professional recipients to set pay for others (24 vs. 18–19 percent). They were less likely to report that their job in 2003 was a part of their career (86 vs. 92–93 percent).

- College graduates who were employed full time in one job were more likely than part-time workers to have supervisory responsibilities, assist in hiring and firing decisions, set pay for others, and to say that their jobs were part of their career.
- College graduates who worked in the for-profit sector were more likely than their peers in the not-for-profit sector, government, or the military to be allowed to telecommute. Those in the for-profit sector were also more likely than those working in local or state government and in the military to have their employers offer them flexible scheduling options. Bachelor's degree recipients from 1992–93 who worked for the federal government in 2003 were generally less likely than graduates employed in the for-profit, not-for-profit, or military sectors to have any supervisory responsibilities and to assist in hiring and firing decisions.
- Graduates who worked in engineering, architecture, or computer science in 2003 were more likely than those who worked in any other occupation except service industries to be able to telecommute (41 vs. 12–31 percent) and were more likely than graduates in other occupations except business and management to be allowed flexible scheduling at work (85 vs. 64–79 percent).
- Graduates' salaries were related to the degree of flexibility and responsibility they experienced at their jobs. The higher their salary, the more likely they were to be able to telecommute, to be allowed a flexible schedule, to supervise others, to assist in hiring and firing decisions, to set pay for others, and to report that their current job was a part of their career.

### Table II.7

- About 9 out of 10 employed college graduates (91 percent) received medical insurance through their employers 10 years after completing a bachelor's degree, and 85 percent received retirement benefits. Eighty-three percent received some other form of health insurance (dental, optical, or some other health benefit), and over three-fourths (78 percent) received life insurance through their employers. Finally, 47 percent had flexible spending accounts, and 13 percent had access to a childcare facility or received a childcare subsidy from their employers.
- Men were generally more likely than women to receive job benefits, except for having access to a childcare facility or receiving a childcare subsidy.
- Having earned a higher degree did not necessarily correspond to additional benefits at work. In fact, doctoral or first-professional degree recipients were less likely than their peers with bachelor's or master's degrees to receive life insurance and retirement benefits through their employers (67 percent of doctoral or first-professional recipients received life insurance vs. 77 and 79 percent, respectively, of master's and bachelor's degree recipients; and 76 percent received retirement benefits, compared with 86 percent each of bachelor's and master's degree recipients).
- As might be expected, 1992–93 bachelor's degree recipients who were employed in one full-time job were more likely to receive most benefits than those who worked in multiple jobs or worked in one part-time job, although no difference was detected between the percentage of full- and part-time employees who received child care benefits. Bachelor's degree recipients

who held multiple jobs in 2003, however, were more likely than part-time workers to receive many benefits, except flexible spending accounts and child care subsidies.

- All graduates employed by the military received medical insurance, and nearly all (99 percent) reported that they received other health insurance as well. At least 9 out of 10 graduates employed by the federal government or the military received life insurance and retirement benefits from their employers. About half (53 percent) of graduates employed by the military and one-fourth (27 percent) of those employed by the federal government had access to a childcare facility or received a childcare subsidy, making graduates employed by both sectors generally more likely than other graduates to receive this type of benefit.
- College graduates employed in engineering, architecture, or computer science in 2003 were more likely to have medical insurance, other health insurance, life insurance, and retirement benefits than graduates working in all other occupations. Health professionals (20 percent) were generally more likely than those in other occupations to receive childcare benefits through their employers (11–15 percent of graduates employed in other occupations).
- Higher salaries generally corresponded to a higher likelihood of receiving various job benefits. Employed graduates in the middle salary group were more likely than those with lower earnings to receive all types of benefits with the exception of access to childcare facilities or subsidies. Those with the highest salaries were more likely than those with middle salaries to receive other health insurance, life insurance, retirement benefits, flexible spending accounts, and childcare benefits.

### Table II.8

- In 2003, 10 years after they earned a bachelor's degree, about 4 percent of bachelor's degree recipients were unemployed (not working, but looking for work). Of those, 10 percent were receiving unemployment compensation. Among all those who had been unemployed at any time since 1997, the average amount of time spent unemployed was about 8 months.
- Men who were unemployed in 2003 were more likely than women to be receiving unemployment compensation. Of those who were unemployed, 30 percent of men were receiving unemployment compensation, compared with 5 percent of women.
- Black graduates who were unemployed were more likely than their fellow unemployed college graduates who were Asian, White, or Hispanic to be receiving unemployment compensation. About one-third of Black graduates reported receiving unemployment, compared with 6–9 percent of Asian, White, and Hispanic graduates. However, Hispanic graduates reported that they had spent an average of 10 months unemployed since 1997, while Black graduates reported spending an average of 7 months unemployed.
- Graduates whose highest degree was a bachelor's degree were more likely than those who had earned master's, doctoral, or first-professional degrees to be unemployed in 2003 (4 vs. 2 percent).
- Educators were less likely than those who worked in research or other professional or technical occupations and those who worked in engineering, architecture, or computer science to be unemployed in 2003 (2 vs. 5–6 percent). Of those who were unemployed, educators were

less likely than those in most other occupations to be receiving unemployment compensation. Two percent of unemployed educators were receiving unemployment compensation, compared with 10–42 percent of those in business and management, service industries, research, and engineering, architecture, or computer science.

**Table II.1. Percentage distribution of 1992–93 bachelor’s degree recipients’ current labor force participation, by selected characteristics: 2003**

| Selected characteristics                 | Employed |                    |                    | Unemployed | Out of the labor force |               |
|--|----------|--------------------|--------------------|------------|------------------------|---------------|
|  | Total    | Full time, one job | Part time, one job |            |                        | Multiple jobs |
| U.S. total (excluding Puerto Rico)       | 87.3     | 70.2               | 7.9                | 9.3        | 3.8                    | 8.9           |
| Total (50 states, D.C., and Puerto Rico) | 87.3     | 70.1               | 7.9                | 9.2        | 3.8                    | 8.9           |
| Gender                                   |          |                    |                    |            |                        |               |
| Male                                     | 93.9     | 81.1               | 3.5                | 9.4        | 4.1                    | 2.0           |
| Female                                   | 81.7     | 61.1               | 11.6               | 9.1        | 3.6                    | 14.6          |
| Race/ethnicity <sup>1</sup>              |          |                    |                    |            |                        |               |
| White, non-Hispanic                      | 87.0     | 69.5               | 8.4                | 9.2        | 3.5                    | 9.5           |
| Black, non-Hispanic                      | 90.1     | 69.4               | 5.5                | 15.2       | 6.6                    | 3.4           |
| Hispanic                                 | 87.7     | 76.1               | 5.9                | 5.7        | 4.2                    | 8.1           |
| Asian/Pacific Islander                   | 87.5     | 77.0               | 5.8                | 4.7        | 4.9                    | 7.6           |
| Baccalaureate degree major               |          |                    |                    |            |                        |               |
| Business and management                  | 91.0     | 77.4               | 6.0                | 7.5        | 3.5                    | 5.6           |
| Education                                | 80.3     | 64.2               | 8.0                | 8.1        | 2.0                    | 17.7          |
| Engineering                              | 93.3     | 84.9               | 3.8                | 4.6        | 4.4                    | 2.3           |
| Health                                   | 88.0     | 54.6               | 17.2               | 16.1       | 1.6                    | 10.4          |
| Public affairs/social services           | 91.0     | 68.9               | 8.7                | 13.4       | 3.8                    | 5.2           |
| Humanities                               | 82.4     | 61.7               | 10.2               | 10.5       | 7.4                    | 10.2          |
| Social and behavioral sciences           | 85.7     | 68.8               | 8.4                | 8.5        | 4.4                    | 10.0          |
| Natural sciences and mathematics         | 89.8     | 74.2               | 6.5                | 9.1        | 3.8                    | 6.4           |
| Other                                    | 87.1     | 69.4               | 7.1                | 10.6       | 3.5                    | 9.3           |
| Highest degree attained as of 2003       |          |                    |                    |            |                        |               |
| Bachelor’s degree                        | 85.7     | 69.2               | 8.0                | 8.5        | 4.4                    | 10.0          |
| Master’s degree                          | 91.2     | 70.8               | 8.3                | 12.1       | 2.2                    | 6.6           |
| Doctoral/first-professional degree       | 94.4     | 80.4               | 5.9                | 8.1        | 2.1                    | 3.6           |
| Field of advanced degree <sup>2</sup>    |          |                    |                    |            |                        |               |
| Business and management                  | 94.9     | 80.4               | 6.1                | 8.5        | 2.0                    | 3.1           |
| Education                                | 91.0     | 69.8               | 8.4                | 12.8       | 1.5                    | 7.6           |
| Health                                   | 91.2     | 67.5               | 10.6               | 13.1       | 0.5                    | 8.3           |
| Arts and humanities                      | 87.7     | 52.2               | 13.2               | 22.3       | 6.5                    | 5.8           |
| Social and behavioral sciences           | 93.2     | 64.1               | 12.6               | 16.5       | 1.5                    | 5.3           |
| Science/math/engineering                 | 92.7     | 84.7               | 3.5                | 4.6        | 1.3                    | 6.0           |
| Other                                    | 90.5     | 74.5               | 6.1                | 9.9        | 3.9                    | 5.6           |

See notes at end of table.



**Table II.1. Percentage distribution of 1992–93 bachelor’s degree recipients’ current labor force participation, by selected characteristics: 2003—Continued**

| Selected characteristics                     | Employed |                    |                    | Unemployed | Out of the labor force |               |
|--|----------|--------------------|--------------------|------------|------------------------|---------------|
|  | Total    | Full time, one job | Part time, one job |            |                        | Multiple jobs |
| <b>Type of employer<sup>3</sup></b>          |          |                    |                    |            |                        |               |
| Self-employed                                | 89.6     | 58.6               | 18.7               | 12.4       | 3.4                    | 7.0           |
| For-profit                                   | 89.1     | 76.1               | 5.7                | 7.3        | 4.5                    | 6.5           |
| Not-for-profit                               | 83.8     | 61.0               | 11.3               | 11.5       | 5.0                    | 11.2          |
| Local/state government                       | 81.4     | 64.5               | 6.8                | 10.1       | 3.2                    | 15.4          |
| Federal government                           | 91.9     | 81.8               | 1.7                | 8.4        | 0.9                    | 7.2           |
| Military                                     | 94.0     | 82.9               | 2.1                | 9.0        | 4.6                    | 1.4           |
| <b>Occupation<sup>3</sup></b>                |          |                    |                    |            |                        |               |
| Business and management                      | 91.0     | 78.2               | 5.9                | 7.0        | 3.3                    | 5.7           |
| Education                                    | 86.3     | 65.7               | 9.3                | 11.3       | 2.3                    | 11.4          |
| Health professions                           | 89.0     | 57.4               | 15.2               | 16.4       | 2.5                    | 8.5           |
| Service industries                           | 87.2     | 69.2               | 11.6               | 6.4        | 3.5                    | 9.3           |
| Research, other professional/<br>technical   | 87.5     | 68.5               | 7.4                | 11.6       | 5.2                    | 7.3           |
| Engineering/architecture/computer<br>science | 91.6     | 84.8               | 3.2                | 3.7        | 5.5                    | 2.9           |
| Other  | 87.3     | 68.0               | 8.3                | 11.1       | 5.2                    | 7.5           |
| <b>Salary<sup>3</sup></b>                    |          |                    |                    |            |                        |               |
| Low  | 78.5     | 47.8               | 17.5               | 13.3       | 5.4                    | 16.1          |
| Middle                                       | 91.5     | 77.1               | 5.3                | 9.1        | 3.0                    | 5.5           |
| High   | 93.7     | 83.3               | 4.3                | 6.2        | 3.3                    | 3.0           |
| <b>Marital status</b>                        |          |                    |                    |            |                        |               |
| Single, never married                        | 91.1     | 75.6               | 4.8                | 10.8       | 5.9                    | 3.0           |
| Married or cohabiting                        | 86.1     | 68.9               | 8.8                | 8.4        | 3.1                    | 10.8          |
| Separated/divorced/widowed                   | 88.2     | 67.5               | 7.3                | 13.4       | 5.4                    | 6.4           |
| <b>Number of dependents under age 18</b>     |          |                    |                    |            |                        |               |
| None   | 90.8     | 74.5               | 5.8                | 10.5       | 4.6                    | 4.5           |
| One or more                                  | 83.9     | 65.9               | 9.9                | 8.0        | 3.0                    | 13.1          |

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who completed a master’s, doctoral, or first-professional degree.

<sup>3</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table II.2. Percentage distribution and average hours worked per week for currently employed 1992–93 bachelor’s degree recipients, by employment level and selected characteristics: 2003**

| Selected characteristics                 | Full time, one job                  |                               | Part time, one job                  |                               | Multiple jobs              |   |
|--|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|----------------------------|---|
|  | Percent employed full time, one job | Average hours worked per week | Percent employed part time, one job | Average hours worked per week | Percent with multiple jobs | Average hours worked per week in all jobs |
| U.S. total (excluding Puerto Rico)       | 80.4                                | 47.2                          | 9.0                                 | 21.8                          | 10.6                       | 53.6                                      |
| Total (50 states, D.C., and Puerto Rico) | 80.4                                | 47.2                          | 9.1                                 | 21.8                          | 10.6                       | 53.5                                      |
| Gender                                   |                                     |                               |                                     |                               |                            |   |
| Male                                     | 86.4                                | 49.0                          | 3.7                                 | 22.5                          | 10.0                       | 58.6                                      |
| Female                                   | 74.7                                | 45.2                          | 14.2                                | 21.7                          | 11.1                       | 49.0                                      |
| Race/ethnicity <sup>1</sup>              |                                     |                               |                                     |                               |                            |   |
| White, non-Hispanic                      | 79.8                                | 47.3                          | 9.6                                 | 21.5                          | 10.6                       | 53.1                                      |
| Black, non-Hispanic                      | 77.0                                | 45.4                          | 6.1                                 | ‡                             | 16.9                       | 59.7                                      |
| Hispanic                                 | 86.8                                | 46.4                          | 6.7                                 | ‡                             | 6.5                        | ‡   |
| Asian/Pacific Islander                   | 88.0                                | 47.7                          | 6.7                                 | ‡                             | 5.3                        | ‡   |
| Baccalaureate degree major               |                                     |                               |                                     |                               |                            |   |
| Business and management                  | 85.2                                | 47.2                          | 6.6                                 | 21.9                          | 8.2                        | 51.8                                      |
| Education                                | 79.9                                | 46.7                          | 10.0                                | 21.5                          | 10.1                       | 48.4                                      |
| Engineering                              | 91.0                                | 47.4                          | 4.1                                 | ‡                             | 4.9                        | ‡   |
| Health                                   | 62.1                                | 45.2                          | 19.6                                | 21.4                          | 18.3                       | 52.5                                      |
| Public affairs/social services           | 75.7                                | 44.4                          | 9.5                                 | ‡                             | 14.8                       | 59.9                                      |
| Humanities                               | 74.8                                | 47.4                          | 12.4                                | 22.0                          | 12.8                       | 52.1                                      |
| Social and behavioral sciences           | 80.3                                | 46.9                          | 9.8                                 | 21.5                          | 10.0                       | 54.2                                      |
| Natural sciences and mathematics         | 82.7                                | 49.3                          | 7.2                                 | 23.1                          | 10.1                       | 52.9                                      |
| Other                                    | 79.6                                | 47.5                          | 8.2                                 | 21.0                          | 12.2                       | 58.0                                      |
| Highest degree attained as of 2003       |                                     |                               |                                     |                               |                            |   |
| Bachelor’s degree                        | 80.7                                | 46.7                          | 9.3                                 | 21.9                          | 10.0                       | 54.9                                      |
| Master’s degree                          | 77.6                                | 46.8                          | 9.1                                 | 21.1                          | 13.3                       | 49.7                                      |
| Doctoral/first-professional degree       | 85.2                                | 54.1                          | 6.2                                 | ‡                             | 8.6                        | 55.5                                      |
| Field of advanced degree <sup>2</sup>    |                                     |                               |                                     |                               |                            |   |
| Business and management                  | 84.7                                | 48.2                          | 6.4                                 | ‡                             | 8.9                        | ‡   |
| Education                                | 76.7                                | 47.3                          | 9.2                                 | 20.0                          | 14.1                       | 51.0                                      |
| Health                                   | 73.9                                | 55.6                          | 11.7                                | 23.3                          | 14.4                       | 47.0                                      |
| Arts and humanities                      | 59.5                                | 48.7                          | 15.0                                | ‡                             | 25.4                       | 49.7                                      |
| Social and behavioral sciences           | 68.7                                | 43.3                          | 13.6                                | ‡                             | 17.7                       | ‡   |
| Science/math/engineering                 | 91.3                                | 46.7                          | 3.7                                 | ‡                             | 5.0                        | ‡   |
| Other                                    | 82.3                                | 49.2                          | 6.8                                 | ‡                             | 11.0                       | 50.5                                      |
| Type of employer                         |                                     |                               |                                     |                               |                            |   |
| Self-employed                            | 65.3                                | 53.4                          | 20.9                                | 21.6                          | 13.8                       | 55.4                                      |
| For-profit                               | 85.4                                | 47.0                          | 6.4                                 | 21.9                          | 8.2                        | 53.2                                      |
| Not-for-profit                           | 72.8                                | 46.6                          | 13.4                                | 21.6                          | 13.8                       | 50.9                                      |
| Local/state government                   | 79.3                                | 44.7                          | 8.3                                 | 20.6                          | 12.4                       | 54.5                                      |
| Federal government                       | 89.0                                | 44.5                          | 1.9                                 | ‡                             | 9.2                        | ‡   |
| Military                                 | 88.2                                | 53.7                          | 2.2                                 | ‡                             | 9.6                        | ‡   |

See notes at end of table.

**Table II.2. Percentage distribution and average hours worked per week for currently employed 1992–93 bachelor’s degree recipients, by employment level and selected characteristics: 2003**  
—Continued

| Selected characteristics                  | Full time, one job                  |                               | Part time, one job                  |                               | Multiple jobs              |   |
|---|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|----------------------------|---|
|   | Percent employed full time, one job | Average hours worked per week | Percent employed part time, one job | Average hours worked per week | Percent with multiple jobs | Average hours worked per week in all jobs |
| <b>Occupation</b>                         |                                     |                               |                                     |                               |                            |   |
| Business and management                   | 85.9                                | 48.2                          | 6.5                                 | 23.1                          | 7.7                        | 54.8                                      |
| Education                                 | 76.2                                | 46.9                          | 10.7                                | 21.3                          | 13.1                       | 55.7                                      |
| Health professions                        | 64.5                                | 49.8                          | 17.1                                | 21.9                          | 18.4                       | 49.2                                      |
| Service industries                        | 79.4                                | 47.2                          | 13.3                                | 21.8                          | 7.4                        | 46.6                                      |
| Research, other professional/technical    | 78.3                                | 46.2                          | 8.5                                 | 21.1                          | 13.3                       | 55.5                                      |
| Engineering/architecture/computer science | 92.5                                | 45.5                          | 3.4                                 | ‡                             | 4.0                        | ‡   |
| Other                                     | 77.9                                | 45.7                          | 9.5                                 | 19.8                          | 12.7                       | 54.1                                      |
| <b>Salary</b>                             |                                     |                               |                                     |                               |                            |   |
| Low                                       | 60.9                                | 44.7                          | 22.2                                | 20.7                          | 16.9                       | 51.6                                      |
| Middle                                    | 84.3                                | 46.3                          | 5.8                                 | 24.1                          | 9.9                        | 55.3                                      |
| High                                      | 88.9                                | 50.4                          | 4.5                                 | 20.9                          | 6.6                        | 52.2                                      |
| <b>Marital status</b>                     |                                     |                               |                                     |                               |                            |   |
| Single, never married                     | 83.0                                | 47.3                          | 5.3                                 | 23.5                          | 11.8                       | 57.2                                      |
| Married or cohabiting                     | 80.0                                | 47.3                          | 10.3                                | 21.3                          | 9.7                        | 51.6                                      |
| Separated/divorced/widowed                | 76.5                                | 45.9                          | 8.3                                 | 24.9                          | 15.2                       | 56.6                                      |
| <b>Number of dependents under age 18</b>  |                                     |                               |                                     |                               |                            |   |
| None                                      | 82.1                                | 47.4                          | 6.4                                 | 22.1                          | 11.6                       | 54.3                                      |
| One or more                               | 78.6                                | 47.0                          | 11.8                                | 21.7                          | 9.6                        | 52.6                                      |

‡Reporting standards not met (too few cases).

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who completed a master’s, doctoral, or first-professional degree.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table II.3. Percentage distribution of currently employed 1992–93 bachelor's degree recipients' occupation, by selected characteristics: 2003**

| Selected characteristics                 | Business and management | Education | Health professions | Service industries | Research/other professional/technical | Engineering/architecture/computer science | Other |
|--|-------------------------|-----------|--------------------|--------------------|---------------------------------------|---|-------|
| U.S. total (excluding Puerto Rico)       | 30.5                    | 17.9      | 9.4                | 8.7                | 17.0                                  | 9.8                                       | 6.8   |
| Total (50 states, D.C., and Puerto Rico) | 30.4                    | 17.9      | 9.4                | 8.7                | 17.1                                  | 9.8                                       | 6.8   |
| Gender                                   |                         |           |                    |                    |                                       |   |       |
| Male                                     | 34.1                    | 9.4       | 6.4                | 9.5                | 16.9                                  | 15.8                                      | 8.0   |
| Female                                   | 26.9                    | 26.1      | 12.3               | 7.9                | 17.2                                  | 4.1                                       | 5.6   |
| Race/ethnicity <sup>1</sup>              |                         |           |                    |                    |                                       |   |       |
| White, non-Hispanic                      | 30.9                    | 18.1      | 9.1                | 9.4                | 17.0                                  | 9.6                                       | 6.0   |
| Black, non-Hispanic                      | 26.5                    | 21.4      | 7.9                | 4.7                | 20.4                                  | 8.3                                       | 10.9  |
| Hispanic                                 | 25.0                    | 21.1      | 10.4               | 4.7                | 20.7                                  | 8.8                                       | 9.3   |
| Asian/Pacific Islander                   | 28.7                    | 7.1       | 14.1               | 6.2                | 12.7                                  | 18.2                                      | 13.0  |
| Baccalaureate degree major               |                         |           |                    |                    |                                       |   |       |
| Business and management                  | 59.4                    | 5.2       | 1.7                | 13.5               | 7.4                                   | 5.7                                       | 7.2   |
| Education                                | 10.4                    | 65.7      | 3.5                | 4.5                | 9.2                                   | 1.6                                       | 5.3   |
| Engineering                              | 22.0                    | 1.3       | 1.3                | 3.0                | 9.7                                   | 57.5                                      | 5.2   |
| Health                                   | 11.8                    | 5.7       | 62.9               | 4.2                | 7.2                                   | 6.2                                       | 2.0   |
| Public affairs/social services           | 18.7                    | 7.3       | 4.5                | 7.4                | 46.4                                  | 1.1                                       | 14.6  |
| Humanities                               | 23.1                    | 24.4      | 2.8                | 10.6               | 21.8                                  | 5.8                                       | 11.5  |
| Social and behavioral science            | 32.0                    | 15.3      | 4.9                | 10.5               | 27.1                                  | 3.2                                       | 7.0   |
| Natural sciences and mathematics         | 17.3                    | 13.5      | 24.6               | 3.2                | 19.3                                  | 18.2                                      | 3.9   |
| Other                                    | 28.2                    | 16.8      | 4.8                | 10.4               | 26.5                                  | 6.4                                       | 7.1   |
| Highest degree attained as of 2003       |                         |           |                    |                    |                                       |   |       |
| Bachelor's degree                        | 33.8                    | 13.7      | 7.7                | 10.6               | 15.0                                  | 11.0                                      | 8.1   |
| Master's degree                          | 26.0                    | 35.0      | 7.4                | 3.8                | 17.2                                  | 7.5                                       | 3.1   |
| Doctoral/first-professional degree       | 4.9                     | 11.0      | 35.7               | 1.9                | 40.5                                  | 3.0                                       | 3.1   |
| Field of advanced degree <sup>2</sup>    |                         |           |                    |                    |                                       |   |       |
| Business and management                  | 64.7                    | 7.6       | 1.2                | 6.0                | 10.4                                  | 5.7                                       | 4.5   |
| Education                                | 4.3                     | 84.4      | 2.1                | 2.0                | 6.3                                   | 0.3                                       | 0.6   |
| Health                                   | 7.4                     | 6.0       | 76.8               | 1.8                | 5.5                                   | 1.3                                       | 1.2   |
| Arts and humanities                      | 12.0                    | 36.0      | 0.0                | 4.6                | 44.1                                  | 1.6                                       | 1.6   |
| Social and behavioral sciences           | 11.9                    | 28.9      | 3.4                | 3.4                | 49.0                                  | 1.3                                       | 2.1   |
| Science/math/engineering                 | 13.4                    | 12.6      | 5.4                | 1.4                | 28.5                                  | 34.5                                      | 4.3   |
| Other                                    | 12.8                    | 15.0      | 13.2               | 4.0                | 45.7                                  | 3.5                                       | 5.9   |
| Labor force participation                |                         |           |                    |                    |                                       |   |       |
| Employed, total                          | 30.4                    | 17.9      | 9.4                | 8.7                | 17.1                                  | 9.8                                       | 6.8   |
| Full time, one job                       | 32.4                    | 17.0      | 7.6                | 8.6                | 16.6                                  | 11.3                                      | 6.6   |
| Part time, one job                       | 21.7                    | 21.2      | 17.7               | 12.7               | 15.9                                  | 3.7                                       | 7.1   |
| Multiple jobs                            | 22.0                    | 22.3      | 16.5               | 6.1                | 21.4                                  | 3.7                                       | 8.1   |
| Unemployed                               | †                       | †         | †                  | †                  | †                                     | †   | †     |
| Out of the labor force                   | †                       | †         | †                  | †                  | †                                     | †   | †     |

See notes at end of table.

**Table II.3. Percentage distribution of currently employed 1992–93 bachelor’s degree recipients’ occupation, by selected characteristics: 2003—Continued**

| Selected characteristics                 | Business and management | Education | Health professions | Service industries | Research/other professional/technical | Engineering/architecture/computer science | Other |
|--|-------------------------|-----------|--------------------|--------------------|---------------------------------------|---|-------|
| <b>Type of employer</b>                  |                         |           |                    |                    |                                       |   |       |
| Self-employed                            | 41.7                    | 3.3       | 9.5                | 13.4               | 18.8                                  | 5.7                                       | 7.7   |
| For-profit                               | 41.5                    | 1.3       | 7.5                | 13.5               | 14.0                                  | 14.7                                      | 7.6   |
| Not-for-profit                           | 24.4                    | 12.0      | 23.4               | 3.2                | 26.2                                  | 5.8                                       | 5.0   |
| Local/state government                   | 14.2                    | 24.5      | 9.1                | 1.5                | 37.9                                  | 6.2                                       | 6.7   |
| Federal government                       | 24.2                    | 2.3       | 11.7               | 2.4                | 28.2                                  | 17.9                                      | 13.3  |
| Military                                 | 13.0                    | 1.9       | 16.3               | #                  | 6.1                                   | 2.2                                       | 60.5  |
| <b>Salary</b>                            |                         |           |                    |                    |                                       |   |       |
| Low                                      | 19.3                    | 31.2      | 5.7                | 10.9               | 19.0                                  | 1.2                                       | 12.8  |
| Middle                                   | 28.9                    | 20.0      | 10.5               | 7.7                | 17.9                                  | 9.0                                       | 6.0   |
| High                                     | 42.1                    | 2.9       | 10.5               | 8.6                | 13.9                                  | 18.5                                      | 3.4   |
| <b>Marital status</b>                    |                         |           |                    |                    |                                       |   |       |
| Single, never married                    | 29.6                    | 14.2      | 9.6                | 8.7                | 19.5                                  | 10.0                                      | 8.4   |
| Married or cohabiting                    | 30.8                    | 18.5      | 9.2                | 8.7                | 16.0                                  | 10.4                                      | 6.4   |
| Separated/divorced/widowed               | 27.8                    | 22.8      | 10.6               | 8.2                | 20.7                                  | 3.9                                       | 6.0   |
| <b>Number of dependents under age 18</b> |                         |           |                    |                    |                                       |   |       |
| None                                     | 29.7                    | 16.4      | 9.1                | 8.8                | 19.7                                  | 9.4                                       | 6.9   |
| One or more                              | 31.0                    | 19.5      | 9.8                | 8.6                | 14.4                                  | 10.2                                      | 6.6   |

†Not applicable.

#Rounds to zero.

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who completed a master’s, doctoral, or first-professional degree.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table II.4. Percentage distribution of currently employed 1992–93 bachelor’s degree recipients’ type of employer, by selected characteristics: 2003**

| Selected characteristics                 | Self-employed | For-profit | Not-for-profit | Local/state government | Federal government | Military |
|--|---------------|------------|----------------|------------------------|--------------------|----------|
| U.S. total (excluding Puerto Rico)       | 10.1          | 57.7       | 17.3           | 11.0                   | 2.9                | 1.1      |
| Total (50 states, D.C., and Puerto Rico) | 10.1          | 57.6       | 17.2           | 11.0                   | 2.9                | 1.1      |
| Gender                                   |               |            |                |                        |                    |          |
| Male                                     | 10.6          | 64.0       | 11.3           | 9.7                    | 2.7                | 1.7      |
| Female                                   | 9.6           | 50.6       | 23.9           | 12.5                   | 3.1                | 0.4      |
| Race/ethnicity <sup>1</sup>              |               |            |                |                        |                    |          |
| White, non-Hispanic                      | 10.5          | 58.9       | 17.0           | 10.3                   | 2.4                | 0.9      |
| Black, non-Hispanic                      | 8.7           | 42.9       | 20.6           | 18.9                   | 5.8                | 3.2      |
| Hispanic                                 | 6.9           | 51.6       | 20.3           | 13.5                   | 6.4                | 1.3      |
| Asian/Pacific Islander                   | 8.7           | 63.3       | 14.9           | 10.2                   | 2.0                | 1.0      |
| Baccalaureate degree major               |               |            |                |                        |                    |          |
| Business and management                  | 9.7           | 69.5       | 13.1           | 5.6                    | 1.1                | 1.0      |
| Education                                | 9.7           | 42.6       | 22.3           | 21.7                   | 3.3                | 0.4      |
| Engineering                              | 6.9           | 78.2       | 3.9            | 4.7                    | 4.1                | 2.3      |
| Health                                   | 7.8           | 46.0       | 31.6           | 9.1                    | 4.5                | 1.0      |
| Public affairs/social services           | 7.1           | 34.0       | 17.9           | 36.4                   | 3.7                | 0.9      |
| Humanities                               | 12.6          | 57.7       | 16.8           | 10.3                   | 1.9                | 0.8      |
| Social and behavioral sciences           | 11.9          | 49.6       | 19.3           | 14.4                   | 3.9                | 0.9      |
| Natural sciences and mathematics         | 9.5           | 50.4       | 22.1           | 11.0                   | 4.9                | 2.1      |
| Other                                    | 12.2          | 56.8       | 16.9           | 11.1                   | 2.3                | 0.7      |
| Highest degree attained as of 2003       |               |            |                |                        |                    |          |
| Bachelor’s degree                        | 10.6          | 62.1       | 15.0           | 9.1                    | 2.4                | 0.8      |
| Master’s degree                          | 7.7           | 45.3       | 24.3           | 17.0                   | 3.6                | 2.2      |
| Doctoral/first-professional degree       | 11.6          | 42.4       | 22.9           | 15.6                   | 5.9                | 1.7      |
| Field of advanced degree <sup>2</sup>    |               |            |                |                        |                    |          |
| Business and management                  | 5.5           | 62.6       | 15.6           | 8.2                    | 4.6                | 3.5      |
| Education                                | 9.8           | 16.8       | 33.7           | 37.7                   | 1.6                | 0.4      |
| Health                                   | 16.1          | 36.7       | 30.0           | 11.9                   | 3.4                | 1.9      |
| Arts and humanities                      | 11.2          | 22.7       | 49.5           | 15.4                   | 0.6                | 0.8      |
| Social and behavioral sciences           | 6.5           | 19.9       | 39.2           | 32.9                   | 0.7                | 0.7      |
| Science/math/engineering                 | 4.8           | 48.1       | 18.6           | 14.4                   | 10.4               | 3.6      |
| Other                                    | 9.6           | 54.1       | 15.1           | 16.5                   | 3.9                | 0.9      |
| Labor force participation                |               |            |                |                        |                    |          |
| Employed, total                          | 10.1          | 57.6       | 17.2           | 11.0                   | 2.9                | 1.1      |
| Full time, one job                       | 8.2           | 61.0       | 15.6           | 10.8                   | 3.2                | 1.2      |
| Part time, one job                       | 23.3          | 40.4       | 25.5           | 10.0                   | 0.6                | 0.3      |
| Multiple jobs                            | 13.7          | 46.2       | 23.2           | 13.4                   | 2.6                | 1.0      |
| Unemployed                               | †             | †          | †              | †                      | †                  | †        |
| Out of the labor force                   | †             | †          | †              | †                      | †                  | †        |

See notes at end of table.

**Table II.4. Percentage distribution of currently employed 1992–93 bachelor’s degree recipients’ type of employer, by selected characteristics: 2003—Continued**

| Selected characteristics                      | Self-employed | For-profit | Not-for-profit | Local/state government | Federal government | Military |
|---|---------------|------------|----------------|------------------------|--------------------|----------|
| <b>Occupation</b>                             |               |            |                |                        |                    |          |
| Business and management                       | 12.2          | 68.8       | 12.1           | 4.5                    | 2.0                | 0.4      |
| Education                                     | 5.6           | 12.9       | 34.8           | 45.3                   | 1.1                | 0.4      |
| Health professions                            | 8.9           | 39.8       | 37.3           | 9.3                    | 3.1                | 1.7      |
| Service industries                            | 13.7          | 78.4       | 5.6            | 1.7                    | 0.7                | #        |
| Research, other professional/<br>technical    | 9.8           | 41.3       | 23.1           | 21.3                   | 4.1                | 0.4      |
| Engineering/architecture/<br>computer science | 5.1           | 75.2       | 8.9            | 6.0                    | 4.6                | 0.2      |
| Other   | 10.0          | 55.9       | 11.1           | 9.4                    | 4.9                | 8.6      |
| <b>Salary</b>                                 |               |            |                |                        |                    |          |
| Low   | 15.3          | 45.7       | 23.6           | 13.3                   | 1.7                | 0.4      |
| Middle  | 6.7           | 55.1       | 19.7           | 14.2                   | 2.9                | 1.3      |
| High  | 12.2          | 69.9       | 9.0            | 4.0                    | 3.6                | 1.3      |
| <b>Marital status</b>                         |               |            |                |                        |                    |          |
| Single, never married                         | 8.1           | 60.7       | 17.7           | 9.5                    | 3.1                | 1.1      |
| Married or cohabiting                         | 10.7          | 57.7       | 17.0           | 10.9                   | 2.7                | 1.1      |
| Separated/divorced/widowed                    | 11.0          | 48.4       | 18.8           | 16.0                   | 4.3                | 1.5      |
| <b>Number of dependents under age 18</b>      |               |            |                |                        |                    |          |
| None  | 8.6           | 58.2       | 18.9           | 10.4                   | 3.0                | 0.9      |
| One or more                                   | 11.8          | 57.0       | 15.5           | 11.6                   | 2.7                | 1.4      |

†Not applicable.

#Rounds to zero.

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who completed a master’s, doctoral, or first-professional degree.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table II.5. Average annual salary of currently employed 1992–93 bachelor's degree recipients, by employment level and selected characteristics: 2003**

| Selected characteristics                 | Full time, one job |               | Part time, one job |               | Multiple jobs  |               |
|--|--------------------|---------------|--------------------|---------------|----------------|---------------|
|  | Average salary     | Median salary | Average salary     | Median salary | Average salary | Median salary |
| U.S. total (excluding Puerto Rico)       | \$60,800           | \$52,000      | \$41,400           | \$31,800      | \$48,300       | \$40,900      |
| Total (50 states, D.C., and Puerto Rico) | 60,700             | 52,000        | 41,300             | 31,800        | 48,200         | 40,900        |
| Gender                                   |                    |               |                    |               |                |               |
| Male                                     | 69,900             | 60,000        | 55,100             | 38,000        | 55,700         | 46,000        |
| Female                                   | 50,600             | 45,000        | 37,800             | 31,000        | 42,000         | 37,500        |
| Race/ethnicity <sup>1</sup>              |                    |               |                    |               |                |               |
| White, non-Hispanic                      | 61,200             | 52,800        | 41,300             | 31,200        | 47,700         | 40,000        |
| Black, non-Hispanic                      | 53,500             | 46,400        | ‡                  | ‡             | 43,700         | 42,000        |
| Hispanic                                 | 56,600             | 49,000        | ‡                  | ‡             | ‡              | ‡             |
| Asian/Pacific Islander                   | 63,300             | 57,000        | ‡                  | ‡             | ‡              | ‡             |
| Baccalaureate degree major               |                    |               |                    |               |                |               |
| Business and management                  | 66,300             | 59,700        | 49,600             | 43,700        | 56,900         | 45,000        |
| Education                                | 43,800             | 40,000        | 24,100             | 21,800        | 35,700         | 36,000        |
| Engineering                              | 74,900             | 72,000        | ‡                  | ‡             | ‡              | ‡             |
| Health                                   | 63,900             | 57,000        | 43,400             | 40,000        | 57,600         | 53,500        |
| Public affairs/social services           | 52,100             | 45,000        | ‡                  | ‡             | 44,300         | 43,000        |
| Humanities                               | 53,500             | 45,000        | 46,000             | 31,200        | 38,100         | 35,000        |
| Social and behavioral sciences           | 62,000             | 50,000        | 36,800             | 26,200        | 47,900         | 38,000        |
| Natural sciences and mathematics         | 63,400             | 56,000        | 45,800             | 33,000        | 65,600         | 49,000        |
| Other                                    | 59,400             | 50,000        | 40,100             | 31,200        | 37,600         | 33,000        |
| Highest degree attained as of 2003       |                    |               |                    |               |                |               |
| Bachelor's degree                        | 58,800             | 50,300        | 38,700             | 31,200        | 47,000         | 40,000        |
| Master's degree                          | 61,100             | 54,300        | 45,000             | 33,000        | 47,900         | 41,300        |
| Doctoral/first-professional degree       | 80,900             | 64,000        | ‡                  | ‡             | 65,000         | 55,000        |
| Field of advanced degree <sup>2</sup>    |                    |               |                    |               |                |               |
| Business and management                  | 77,200             | 71,000        | ‡                  | ‡             | ‡              | ‡             |
| Education                                | 46,600             | 43,300        | 35,100             | 29,000        | 42,100         | 39,700        |
| Health                                   | 80,500             | 60,000        | 60,000             | 52,000        | 60,600         | 46,700        |
| Arts and humanities                      | 45,200             | 41,000        | ‡                  | ‡             | 34,000         | 30,500        |
| Social and behavioral sciences           | 47,500             | 43,000        | ‡                  | ‡             | ‡              | ‡             |
| Science/math/engineering                 | 69,200             | 68,000        | ‡                  | ‡             | ‡              | ‡             |
| Other                                    | 73,500             | 60,300        | ‡                  | ‡             | 55,000         | 51,000        |
| Type of employer                         |                    |               |                    |               |                |               |
| Self-employed                            | 76,100             | 60,000        | 54,900             | 33,000        | 61,700         | 35,000        |
| For-profit                               | 68,400             | 60,000        | 42,700             | 36,400        | 51,700         | 46,000        |
| Not-for-profit                           | 49,800             | 46,000        | 38,000             | 31,200        | 46,500         | 40,000        |
| Local/state government                   | 48,800             | 43,400        | 30,700             | 25,700        | 45,400         | 42,000        |
| Federal government                       | 61,100             | 60,700        | ‡                  | ‡             | ‡              | ‡             |
| Military                                 | 60,500             | 60,000        | ‡                  | ‡             | ‡              | ‡             |

See notes at end of table.



**Table II.5. Average annual salary of currently employed 1992–93 bachelor’s degree recipients, by employment level and selected characteristics: 2003—Continued**

| Selected characteristics                      | Full time, one job |               | Part time, one job |               | Multiple jobs  |               |
|---|--------------------|---------------|--------------------|---------------|----------------|---------------|
|   | Average salary     | Median salary | Average salary     | Median salary | Average salary | Median salary |
| <b>Occupation</b>                             |                    |               |                    |               |                |               |
| Business and management                       | \$69,700           | \$59,700      | \$47,300           | \$38,500      | \$63,200       | \$56,000      |
| Education                                     | 41,900             | 39,900        | 25,400             | 21,000        | 33,100         | 35,000        |
| Health professions                            | 66,900             | 54,400        | 48,900             | 43,700        | 61,000         | 53,000        |
| Service industries                            | 59,400             | 52,000        | 37,100             | 25,000        | 46,600         | 30,000        |
| Research, other professional/<br>technical    | 58,300             | 49,400        | 49,800             | 31,200        | 42,400         | 35,400        |
| Engineering/architecture/<br>computer science | 72,200             | 69,000        | ‡                  | ‡             | 55,200         | 52,000        |
| Other   | 46,100             | 40,000        | 25,700             | 23,400        | 36,400         | 35,400        |
| <b>Salary</b>                                 |                    |               |                    |               |                |               |
| Low   | 26,400             | 28,500        | 19,500             | 20,000        | 22,400         | 24,900        |
| Middle  | 49,600             | 49,900        | 48,400             | 49,300        | 48,300         | 47,200        |
| High  | 100,900            | 86,000        | 111,100            | 89,400        | 102,400        | 88,400        |
| <b>Marital status</b>                         |                    |               |                    |               |                |               |
| Single, never married                         | 58,800             | 50,000        | 43,000             | 31,200        | 43,600         | 40,000        |
| Married or cohabiting                         | 62,200             | 55,000        | 40,100             | 31,800        | 50,000         | 42,600        |
| Separated/divorced/widowed                    | 52,400             | 43,700        | 51,300             | 34,400        | 47,500         | 37,400        |
| <b>Number of dependents under age 18</b>      |                    |               |                    |               |                |               |
| None  | 59,400             | 51,900        | 42,400             | 30,000        | 46,500         | 40,000        |
| One or more                                   | 62,200             | 54,000        | 40,600             | 33,100        | 50,300         | 42,500        |

‡Reporting standards not met (too few cases).

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who completed a master’s, doctoral, or first-professional degree.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table II.6. Percentage of currently employed 1992–93 bachelor’s degree recipients with various job characteristics, and percentage who considered their job a part of their career, by selected characteristics: 2003**

| Selected characteristics                 | Telecommuting allowed | Flexible scheduling | Supervise others | Assist in hiring/firing decisions | Set pay for others | Consider job part of career |
|--|-----------------------|---------------------|------------------|-----------------------------------|--------------------|-----------------------------|
| U.S. total (excluding Puerto Rico)       | 28.2                  | 76.8                | 59.0             | 42.5                              | 22.8               | 87.7                        |
| Total (50 states, D.C., and Puerto Rico) | 28.1                  | 76.8                | 59.0             | 42.5                              | 22.8               | 87.8                        |
| Gender                                   |                       |                     |                  |                                   |                    |                             |
| Male                                     | 29.6                  | 77.6                | 65.9             | 49.6                              | 28.6               | 90.5                        |
| Female                                   | 26.5                  | 75.9                | 52.5             | 35.8                              | 17.3               | 85.1                        |
| Race/ethnicity <sup>1</sup>              |                       |                     |                  |                                   |                    |                             |
| White, non-Hispanic                      | 28.0                  | 77.7                | 59.5             | 43.3                              | 23.8               | 88.5                        |
| Black, non-Hispanic                      | 26.6                  | 70.8                | 51.7             | 31.8                              | 15.5               | 82.5                        |
| Hispanic                                 | 30.9                  | 72.4                | 59.1             | 42.7                              | 19.3               | 86.4                        |
| Asian/Pacific Islander                   | 31.1                  | 75.8                | 58.3             | 39.2                              | 19.0               | 84.6                        |
| Baccalaureate degree major               |                       |                     |                  |                                   |                    |                             |
| Business and management                  | 29.8                  | 75.9                | 64.7             | 49.6                              | 33.4               | 87.1                        |
| Education                                | 19.4                  | 70.0                | 47.2             | 27.5                              | 11.1               | 91.4                        |
| Engineering                              | 28.0                  | 86.5                | 64.1             | 46.9                              | 19.8               | 92.2                        |
| Health                                   | 19.1                  | 74.7                | 65.3             | 36.2                              | 19.4               | 92.9                        |
| Public affairs/social services           | 22.3                  | 75.5                | 53.9             | 41.0                              | 22.9               | 87.6                        |
| Humanities                               | 29.4                  | 77.4                | 54.9             | 39.4                              | 19.4               | 83.4                        |
| Social and behavioral sciences           | 27.3                  | 76.7                | 58.1             | 44.7                              | 22.6               | 83.4                        |
| Natural sciences and mathematics         | 29.3                  | 76.3                | 57.2             | 40.4                              | 20.1               | 90.1                        |
| Other                                    | 34.3                  | 77.4                | 60.4             | 46.3                              | 22.8               | 86.7                        |
| Highest degree attained as of 2003       |                       |                     |                  |                                   |                    |                             |
| Bachelor’s degree                        | 27.9                  | 77.4                | 58.6             | 42.4                              | 24.4               | 86.2                        |
| Master’s degree                          | 31.4                  | 77.2                | 56.0             | 41.7                              | 18.6               | 91.7                        |
| Doctoral/first-professional degree       | 22.0                  | 69.3                | 72.7             | 46.6                              | 18.0               | 93.1                        |
| Field of advanced degree <sup>2</sup>    |                       |                     |                  |                                   |                    |                             |
| Business and management                  | 34.2                  | 82.4                | 67.9             | 52.3                              | 31.3               | 86.0                        |
| Education                                | 20.6                  | 61.2                | 45.8             | 31.1                              | 7.5                | 96.6                        |
| Health                                   | 17.5                  | 56.0                | 72.3             | 40.4                              | 23.2               | 95.5                        |
| Arts and humanities                      | 24.1                  | 86.7                | 53.9             | 39.8                              | 18.7               | 93.9                        |
| Social and behavioral sciences           | 32.7                  | 77.1                | 48.6             | 42.0                              | 13.6               | 87.9                        |
| Science/math/engineering                 | 32.8                  | 84.1                | 59.4             | 46.0                              | 12.4               | 90.5                        |
| Other                                    | 31.0                  | 74.5                | 64.7             | 47.0                              | 19.5               | 92.8                        |
| Labor force participation                |                       |                     |                  |                                   |                    |                             |
| Employed, total                          | 28.1                  | 76.8                | 59.0             | 42.5                              | 22.8               | 87.8                        |
| Full time, one job                       | 28.5                  | 75.5                | 61.7             | 45.9                              | 24.3               | 89.8                        |
| Part time, one job                       | 30.7                  | 87.8                | 39.3             | 23.2                              | 15.4               | 74.8                        |
| Multiple jobs                            | 22.5                  | 78.8                | 54.8             | 32.9                              | 17.5               | 83.1                        |
| Unemployed                               | †                     | †                   | †                | †                                 | †                  | †                           |
| Out of the labor force                   | †                     | †                   | †                | †                                 | †                  | †                           |

See notes at end of table.

**Table II.6. Percentage of currently employed 1992–93 bachelor’s degree recipients with various job characteristics, and percentage who considered their job a part of their career, by selected characteristics: 2003—Continued**

| Selected characteristics                      | Telecommuting allowed | Flexible scheduling | Supervise others | Assist in hiring/firing decisions | Set pay for others | Consider job part of career |
|---|-----------------------|---------------------|------------------|-----------------------------------|--------------------|-----------------------------|
| <b>Type of employer</b>                       |                       |                     |                  |                                   |                    |                             |
| Self-employed                                 | —                     | —                   | 66.7             | 63.2                              | 58.6               | 87.3                        |
| For-profit                                    | 32.0                  | 78.8                | 61.9             | 45.5                              | 24.9               | 85.5                        |
| Not-for-profit                                | 24.8                  | 78.1                | 65.1             | 43.3                              | 21.8               | 86.5                        |
| Local/state government                        | 18.4                  | 65.8                | 59.3             | 40.5                              | 12.7               | 89.9                        |
| Federal government                            | 17.1                  | 78.8                | 47.0             | 32.0                              | 12.1               | 87.0                        |
| Military                                      | 7.6                   | 61.1                | 80.5             | 45.9                              | 8.1                | 94.9                        |
| <b>Occupation</b>                             |                       |                     |                  |                                   |                    |                             |
| Business and management                       | 31.4                  | 81.4                | 75.1             | 64.2                              | 45.2               | 87.0                        |
| Education                                     | 21.8                  | 68.5                | 42.7             | 27.3                              | 5.7                | 94.4                        |
| Health professions                            | 12.1                  | 68.0                | 65.2             | 30.3                              | 15.2               | 93.4                        |
| Service industries                            | 35.4                  | 79.0                | 45.0             | 31.6                              | 16.8               | 81.0                        |
| Research, other professional/<br>technical    | 27.6                  | 75.4                | 56.4             | 39.7                              | 15.9               | 88.0                        |
| Engineering/architecture/<br>computer science | 40.7                  | 85.0                | 57.1             | 41.8                              | 15.7               | 93.1                        |
| Other   | 14.8                  | 64.4                | 48.9             | 25.4                              | 14.3               | 66.4                        |
| <b>Salary</b>                                 |                       |                     |                  |                                   |                    |                             |
| Low   | 19.7                  | 72.2                | 44.3             | 25.8                              | 12.4               | 74.6                        |
| Middle  | 24.8                  | 75.5                | 58.0             | 39.6                              | 19.3               | 89.7                        |
| High  | 39.4                  | 82.0                | 73.1             | 62.1                              | 38.2               | 94.7                        |
| <b>Marital status</b>                         |                       |                     |                  |                                   |                    |                             |
| Single, never married                         | 24.5                  | 76.0                | 55.2             | 35.0                              | 16.9               | 83.7                        |
| Married or cohabiting                         | 30.0                  | 77.7                | 60.2             | 45.3                              | 24.8               | 89.4                        |
| Separated/divorced/widowed                    | 20.7                  | 69.9                | 58.6             | 37.1                              | 20.8               | 83.5                        |
| <b>Number of dependents under age 18</b>      |                       |                     |                  |                                   |                    |                             |
| None  | 25.6                  | 74.4                | 57.8             | 41.0                              | 20.4               | 85.9                        |
| One or more                                   | 31.0                  | 79.5                | 60.2             | 44.0                              | 25.3               | 89.7                        |

—Not available.

†Not applicable.

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who completed a master’s, doctoral, or first-professional degree.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table II.7. Percentage of currently employed 1992–93 bachelor’s degree recipients with various job benefits, by selected characteristics: 2003**

| Selected characteristics                 | Medical insurance | Other health insurance | Life insurance | Retirement benefits | Flexible spending accounts | Childcare facility/subsidy |
|--|-------------------|------------------------|----------------|---------------------|----------------------------|----------------------------|
| U.S. total (excluding Puerto Rico)       | 91.2              | 82.8                   | 77.9           | 85.3                | 47.4                       | 13.4                       |
| Total (50 states, D.C., and Puerto Rico) | 91.2              | 82.7                   | 77.8           | 85.2                | 47.2                       | 13.4                       |
| Gender                                   |                   |                        |                |                     |                            |                            |
| Male                                     | 93.7              | 84.7                   | 79.8           | 87.8                | 50.1                       | 13.2                       |
| Female                                   | 88.9              | 80.8                   | 75.9           | 82.9                | 44.5                       | 13.6                       |
| Race/ethnicity <sup>1</sup>              |                   |                        |                |                     |                            |                            |
| White, non-Hispanic                      | 90.9              | 82.0                   | 77.4           | 85.2                | 47.9                       | 13.1                       |
| Black, non-Hispanic                      | 91.9              | 88.1                   | 86.6           | 89.2                | 43.5                       | 17.4                       |
| Hispanic                                 | 91.3              | 82.9                   | 74.6           | 81.6                | 40.2                       | 15.4                       |
| Asian/Pacific Islander                   | 93.9              | 88.3                   | 76.6           | 85.0                | 47.6                       | 10.7                       |
| Baccalaureate degree major               |                   |                        |                |                     |                            |                            |
| Business and management                  | 90.6              | 83.0                   | 81.1           | 87.3                | 55.3                       | 13.5                       |
| Education                                | 91.0              | 78.2                   | 73.2           | 80.2                | 33.2                       | 11.5                       |
| Engineering                              | 96.4              | 91.3                   | 88.8           | 95.5                | 56.2                       | 14.6                       |
| Health                                   | 89.6              | 81.1                   | 75.6           | 85.6                | 51.2                       | 18.9                       |
| Public affairs/social services           | 95.4              | 87.1                   | 88.0           | 89.9                | 34.5                       | 10.0                       |
| Humanities                               | 86.2              | 75.2                   | 67.1           | 78.2                | 38.9                       | 9.6                        |
| Social and behavioral sciences           | 91.9              | 83.7                   | 79.0           | 85.4                | 48.2                       | 15.7                       |
| Natural sciences and mathematics         | 93.0              | 86.9                   | 76.4           | 84.8                | 48.9                       | 16.0                       |
| Other                                    | 90.9              | 82.4                   | 76.5           | 84.8                | 46.2                       | 11.5                       |
| Highest degree attained as of 2003       |                   |                        |                |                     |                            |                            |
| Bachelor’s degree                        | 91.2              | 82.9                   | 78.9           | 85.7                | 48.0                       | 13.6                       |
| Master’s degree                          | 92.0              | 82.8                   | 77.1           | 86.2                | 45.6                       | 12.5                       |
| Doctoral/first-professional degree       | 88.6              | 79.4                   | 66.7           | 76.2                | 42.6                       | 15.2                       |
| Field of advanced degree <sup>2</sup>    |                   |                        |                |                     |                            |                            |
| Business and management                  | 91.9              | 86.3                   | 84.4           | 94.2                | 64.9                       | 16.1                       |
| Education                                | 94.2              | 85.5                   | 70.8           | 83.3                | 28.7                       | 4.9                        |
| Health                                   | 89.4              | 80.2                   | 64.0           | 75.1                | 40.8                       | 19.8                       |
| Arts and humanities                      | 75.2              | 58.1                   | 58.6           | 63.1                | 35.5                       | 7.6                        |
| Social and behavioral sciences           | 93.3              | 80.4                   | 76.7           | 80.9                | 37.3                       | 8.1                        |
| Science/math/engineering                 | 96.8              | 88.3                   | 85.2           | 90.7                | 55.4                       | 25.4                       |
| Other                                    | 88.0              | 77.9                   | 71.9           | 81.9                | 44.0                       | 11.0                       |
| Labor force participation                |                   |                        |                |                     |                            |                            |
| Employed, total                          | 91.2              | 82.7                   | 77.8           | 85.2                | 47.2                       | 13.4                       |
| Full time, one job                       | 95.9              | 87.6                   | 82.6           | 89.2                | 50.5                       | 13.9                       |
| Part time, one job                       | 58.3              | 48.9                   | 40.5           | 56.8                | 28.1                       | 13.7                       |
| Multiple jobs                            | 78.3              | 68.5                   | 66.8           | 74.7                | 34.9                       | 9.2                        |
| Unemployed                               | †                 | †                      | †              | †                   | †                          | †                          |
| Out of the labor force                   | †                 | †                      | †              | †                   | †                          | †                          |

See notes at end of table.

**Table II.7. Percentage of currently employed 1992–93 bachelor’s degree recipients with various job benefits, by selected characteristics: 2003—Continued**

| Selected characteristics                  | Medical insurance | Other health insurance | Life insurance | Retirement benefits | Flexible spending accounts | Childcare facility/subsidy |
|---|-------------------|------------------------|----------------|---------------------|----------------------------|----------------------------|
| Type of employer                          |                   |                        |                |                     |                            |                            |
| Self-employed                             | —                 | —                      | —              | —                   | —                          | —                          |
| For-profit                                | 91.7              | 84.1                   | 79.5           | 86.6                | 56.6                       | 12.9                       |
| Not-for-profit                            | 86.6              | 78.2                   | 72.4           | 81.1                | 46.6                       | 17.6                       |
| Local/state government                    | 94.2              | 86.9                   | 80.2           | 89.3                | 36.7                       | 10.5                       |
| Federal government                        | 92.4              | 75.4                   | 90.9           | 95.0                | 29.7                       | 26.6                       |
| Military                                  | 100.0             | 99.4                   | 93.0           | 91.8                | 6.2                        | 52.8                       |
| Occupation                                |                   |                        |                |                     |                            |                            |
| Business and management                   | 93.3              | 84.9                   | 82.6           | 88.7                | 58.7                       | 14.7                       |
| Education                                 | 89.3              | 77.8                   | 70.5           | 78.9                | 27.5                       | 10.7                       |
| Health professions                        | 87.2              | 82.1                   | 73.0           | 80.7                | 44.8                       | 19.6                       |
| Service industries                        | 88.2              | 81.6                   | 75.3           | 84.0                | 54.5                       | 14.3                       |
| Research, other professional/technical    | 91.8              | 82.9                   | 77.6           | 85.7                | 45.8                       | 11.1                       |
| Engineering/architecture/computer science | 97.4              | 89.9                   | 87.8           | 93.9                | 61.7                       | 14.2                       |
| Other                                     | 85.9              | 77.4                   | 72.4           | 81.4                | 29.2                       | 10.9                       |
| Salary                                    |                   |                        |                |                     |                            |                            |
| Low                                       | 77.7              | 65.0                   | 59.0           | 67.9                | 26.8                       | 11.0                       |
| Middle                                    | 94.8              | 86.0                   | 81.3           | 88.6                | 47.0                       | 12.1                       |
| High                                      | 94.7              | 90.3                   | 86.0           | 92.4                | 64.3                       | 18.5                       |
| Marital status                            |                   |                        |                |                     |                            |                            |
| Single, never married                     | 92.9              | 84.1                   | 76.5           | 84.8                | 43.5                       | 13.7                       |
| Married or cohabiting                     | 90.5              | 82.1                   | 77.8           | 85.5                | 48.5                       | 13.2                       |
| Separated/divorced/widowed                | 93.3              | 84.0                   | 80.5           | 83.4                | 44.9                       | 14.8                       |
| Number of dependents under age 18         |                   |                        |                |                     |                            |                            |
| None                                      | 91.3              | 83.1                   | 77.0           | 84.4                | 44.0                       | 12.3                       |
| One or more                               | 91.0              | 82.2                   | 78.5           | 86.1                | 50.6                       | 14.7                       |

—Not available.

†Not applicable.

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who completed a master’s, doctoral, or first-professional degree.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table II.8. Percentage of 1992–93 bachelor’s degree recipients who were currently unemployed, percentage receiving unemployment compensation, and average total months spent unemployed, by selected characteristics: 2003**

| Selected characteristics                 | Percent currently unemployed | Percent currently receiving unemployment compensation <sup>1</sup> | Average total months spent unemployed <sup>2</sup> |
|--|------------------------------|--|--|
| U.S. total (excluding Puerto Rico)       | 3.8                          | 10.2   | 7.9  |
| Total (50 states, D.C., and Puerto Rico) | 3.8                          | 10.1   | 7.9  |
| Gender                                   |                              |  |  |
| Male                                     | 4.1                          | 29.7   | 7.8  |
| Female                                   | 3.6                          | 4.8  | 8.0  |
| Race/ethnicity <sup>3</sup>              |                              |  |  |
| White, non-Hispanic                      | 3.5                          | 9.1  | 7.8  |
| Black, non-Hispanic                      | 6.6                          | 34.5   | 7.1  |
| Hispanic                                 | 4.2                          | 6.1  | 10.0   |
| Asian/Pacific Islander                   | 4.9                          | 9.0  | 8.2  |
| Baccalaureate degree major               |                              |  |  |
| Business and management                  | 3.5                          | 15.8   | 7.0  |
| Education                                | 2.0                          | 1.0  | 8.3  |
| Engineering                              | 4.4                          | 34.0   | 8.5  |
| Health                                   | 1.6                          | 3.8  | ‡  |
| Public affairs/social services           | 3.8                          | ‡  | 5.3  |
| Humanities                               | 7.4                          | 12.7   | 7.6  |
| Social and behavioral sciences           | 4.4                          | 7.9  | 10.1   |
| Natural sciences and mathematics         | 3.8                          | 10.8   | 7.6  |
| Other                                    | 3.5                          | 11.7   | 8.2  |
| Highest degree attained as of 2003       |                              |  |  |
| Bachelor’s degree                        | 4.4                          | 11.0   | 7.4  |
| Master’s degree                          | 2.2                          | 6.1  | 9.5  |
| Doctoral/first-professional degree       | 2.1                          | 4.7  | 10.4   |
| Field of advanced degree <sup>4</sup>    |                              |  |  |
| Business and management                  | 2.0                          | ‡  | 12.6   |
| Education                                | 1.5                          | 2.3  | ‡  |
| Health                                   | 0.5                          | ‡  | ‡  |
| Arts and humanities                      | 6.5                          | ‡  | ‡  |
| Social and behavioral sciences           | 1.5                          | ‡  | ‡  |
| Science/math/engineering                 | 1.3                          | ‡  | 8.1  |
| Other                                    | 3.9                          | 0.8  | 9.4  |
| Labor force participation                |                              |  |  |
| Employed, total                          | †                            | †  | 7.5  |
| Full time, one job                       | †                            | †  | 7.1  |
| Part time, one job                       | †                            | †  | 11.8   |
| Multiple jobs                            | †                            | †  | 7.0  |
| Unemployed                               | 100.0                        | 32.0   | 10.2   |
| Out of the labor force                   | †                            | †  | 6.6  |

See notes at end of table.

**Table II.8. Percentage of 1992–93 bachelor’s degree recipients who were currently unemployed, percentage receiving unemployment compensation, and average total months spent unemployed, by selected characteristics: 2003—Continued**

| Selected characteristics                  | Percent currently unemployed | Percent currently receiving unemployment compensation <sup>1</sup> | Average total months spent unemployed <sup>2</sup> |
|---|------------------------------|--|--|
| Type of employer <sup>5</sup>             |                              |  |  |
| Self-employed                             | 3.4                          | 4.3  | 8.2  |
| For-profit                                | 4.5                          | 19.3   | 7.5  |
| Not-for-profit                            | 5.0                          | 7.9  | 7.2  |
| Local/state government                    | 3.2                          | #  | 7.4  |
| Federal government                        | 0.9                          | ‡  | ‡  |
| Military                                  | 4.6                          | ‡  | ‡  |
| Occupation <sup>5</sup>                   |                              |  |  |
| Business and management                   | 3.3                          | 14.8   | 8.8  |
| Education                                 | 2.3                          | 2.0  | 7.5  |
| Health professions                        | 2.5                          | 2.2  | 6.3  |
| Service industries                        | 3.5                          | 13.0   | 8.6  |
| Research, other professional/technical    | 5.2                          | 10.0   | 6.8  |
| Engineering/architecture/computer science | 5.5                          | 41.7   | 8.0  |
| Other                                     | 5.2                          | 17.2   | 8.2  |
| Salary <sup>5</sup>                       |                              |  |  |
| Low                                       | 5.4                          | 5.4  | 8.9  |
| Middle                                    | 3.0                          | 12.9   | 7.7  |
| High                                      | 3.3                          | 30.6   | 6.5  |
| Marital status                            |                              |  |  |
| Single, never married                     | 5.9                          | 23.8   | 7.6  |
| Married or cohabiting                     | 3.1                          | 6.7  | 8.1  |
| Separated/divorced/widowed                | 5.4                          | 20.9   | 7.9  |
| Number of dependents under age 18         |                              |  |  |
| None                                      | 4.6                          | 18.2   | 8.1  |
| One or more                               | 3.0                          | 5.7  | 7.6  |

†Not applicable.

#Rounds to zero.

‡Reporting standards not met (too few cases).

<sup>1</sup>For those who are currently unemployed.

<sup>2</sup>For those who have been unemployed at least once since 1997.

<sup>3</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>4</sup>Only includes respondents who completed a master’s, doctoral, or first-professional degree.

<sup>5</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

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## Section III: Opinions About Education

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**Table III.1**

- Ten years after completing college, women were more likely than men to report that their liberal arts courses, their undergraduate professional courses, and their internship and work opportunities as undergraduates were still very important to their lives.
- Asian/Pacific Islander graduates were less likely than White or Hispanic graduates to report that their baccalaureate major field was very important to their lives in 2003 (51 vs. 59 and 62 percent, respectively). Asian/Pacific Islander graduates were also less likely than Black or White graduates to say their liberal arts courses were very important to their lives 10 years later (28 vs. 37–42 percent) and less likely than White, Hispanic, or Black graduates to say the quality of instruction they received was very important (50 vs. 61, 65, and 68 percent, respectively).
- The higher their parents' education, the more likely graduates were to indicate that their undergraduate liberal arts courses were very important to their lives in 2003 and the less likely they were to say their undergraduate professional courses had such lasting importance.
- Younger 1992–93 college graduates were less likely than older graduates to report 10 years later that the professional classes they had taken were very important to their lives. For example, 46 percent of graduates age 22 or younger reported that their professional classes were very important, compared with 59 percent of graduates age 30 or older.
- A higher undergraduate GPA was associated with a higher likelihood of reporting that undergraduate major field was very important to graduates' lives 10 years after college completion, in 2003.
- Among 1992–93 college graduates in 2003, those who attained higher degrees were more likely than those who completed less education to indicate that their liberal arts classes and the quality of instruction they received as undergraduates remained very important to their lives, and less likely to report the lasting importance of their professional classes. For example, while 59 percent of bachelor's degree recipients with no further education said the quality of undergraduate instruction was very important, 71 percent of graduates with doctoral or first-professional degrees said so.

**Table III.2**

- A higher undergraduate GPA was associated with a higher likelihood of reporting that earning a bachelor's degree was very important preparation for work and career and for further education. For example, 84 percent of graduates with an undergraduate GPA of 3.75 or

higher reported that the bachelor's degree they earned was very important preparation for their work and career, compared with 76 percent of graduates with a GPA of less than 2.75.

- Graduates who earned bachelor's degrees from private not-for-profit institutions were more likely than those who graduated from public institutions to report that the degree was very important preparation for further education.
- Among bachelor's degree recipients, those who expected to earn higher degrees were more likely than those who had lower educational expectations to report that the bachelor's degree was very important preparation for further education. For students who expected to earn a doctoral or first-professional degree, 93 percent reported that the bachelor's degree they had earned in 1992–93 was very important preparation for further education, compared with 39 percent of students who expected to earn no higher than a bachelor's degree.

### Table III.3

- Graduates with a higher undergraduate GPA were more likely than those with lower grades to report that earning a bachelor's degree was worth the financial cost. For students with a GPA of 3.75 or higher, 93 percent reported that the bachelor's degree they had earned was worth the financial cost, compared with 89 percent of students with a GPA of less than 2.75.
- A higher proportion of graduates who earned a bachelor's degree from a public institution than those who earned a bachelor's degree from a private not-for-profit institution reported that the degree was worth the financial cost.
- Graduates who took longer to complete a bachelor's were more likely than those who took less time obtaining the degree to report that earning the degree was worth the financial cost. For example, 92 percent of those who took more than 6 years to complete a bachelor's degree reported that the degree was worth the financial cost, compared with 89 percent who completed in 4 years or less.
- Compared with those who were currently enrolled in 2003, those not currently enrolled were more likely to report that earning a bachelor's degree was worth the effort it took to do so. However, those who had *ever* enrolled in graduate school were more likely than those who had not enrolled to say their undergraduate education was worth the amount of time and effort it took.
- Graduates with more education were more likely than those with less education to report that a bachelor's degree was worth the amount of time and effort required to earn the degree. For example, 98 percent of graduates who earned a doctoral or first-professional degree indicated that earning a bachelor's degree was worth the effort required, compared with 95 percent of graduates who did not complete an advanced degree.

### Table III.4

- Over one-third of college graduates reported in 2003 that the highest degree they expected to earn was a bachelor's degree or a postbaccalaureate certificate. Forty-four percent of 1992–93 bachelor's degree recipients expected their highest degree to be a master's degree or a

post-master's certificate, 6 percent expected a first-professional degree, and 12 percent expected a doctoral degree.

- College graduates' degree expectations after attaining a bachelor's degree in 1992–93 were generally consistent with their expectations 10 years later in 2003: 68 percent of bachelor's degree recipients who had anticipated that their highest degree would be a bachelor's degree in 1992–93 still believed it would be their highest degree in 2003. Among those who expected upon college completion in 1992–93 to earn a master's degree eventually, about half reported in 2003 that they still expected their highest degree to be a master's; however, 39 percent had lowered their expectations in 2003 and no longer expected to attain a degree higher than a bachelor's. More bachelor's degree recipients who expected to earn doctoral or first-professional degrees had lowered their expectations by 2003: 17 percent no longer expected to earn a degree higher than a bachelor's, and 38 percent expected to earn no degree higher than a master's. However, 15 percent still expected to earn a first-professional degree, and 30 percent anticipated attaining a doctoral degree.
- Educational expectations in 2003 varied by occupation as well. Educators were less likely than those in other occupations to expect that the highest degree they would ultimately attain would be a bachelor's, while those employed in service industries were more likely to have this expectation, with the exception of those employed in other unspecified occupations.

### **Table III.5**

- Overall, bachelor's degree recipients who had completed advanced degrees were very satisfied with their graduate education.<sup>19</sup> Seventy-one percent were very satisfied with the faculty and the teaching, 70 percent were very satisfied with the course offerings, and 64 percent were very satisfied with the availability of courses. The majority (58 percent) of graduates reported being very satisfied with the career preparation they received as well.
- Bachelor's degree recipients with advanced degrees in health were more likely than those with such degrees in other fields to report being very satisfied with the career preparation provided by their graduate education.

### **Table III.6**

- Most college graduates who had completed advanced degrees considered their course of study, instructional quality, interaction with faculty, internship and work opportunities, and social contacts from their graduate education to be very important to their lives in 2003. About four out of five (79 percent) said their course of study was still very important to their lives, and two-thirds (68 percent) reported that the quality of instruction was very important. Further, 55–58 percent of graduates indicated that faculty interaction, work opportunities, and social contacts made in graduate school were very important in 2003.

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<sup>19</sup> Bachelor's degree recipients whose only graduate education took place before 1997 were not asked about their satisfaction with that education or its importance to their lives in 2003 (tables III.5 through III.8).

- Bachelor's degree recipients who had earned doctoral or first-professional degrees were more likely than those who had earned master's degrees to report that every aspect of their graduate education except social contacts was still very important to their lives.
- In 2003, advanced degree holders who were employed in health professions were generally more likely to report that their graduate course of study, quality of instruction, interaction with faculty, and internship or work opportunities were very important to their lives than were their peers who were employed in business and management, education, service industries, research and other professional and technical occupations, and engineering, architecture, or computer science. Between 71 and 89 percent of health professionals with advanced degrees reported that their graduate education was very important to their lives in all aspects except social contacts.

### **Table III.7**

- Bachelor's degree recipients with advanced degrees generally felt that their graduate education was very important preparation for many areas of their lives in 2003. Specifically, 89 percent reported that their graduate education was very important preparation for their work and career, 77 percent felt it was important for taking on new challenges, 70 percent said it was important for establishing financial security, 60 percent reported that it helped them make informed choices, and 48 percent believed it was very important preparation for establishing a place in the community.
- Bachelor's degree recipients who had earned doctoral or first-professional degrees were more likely than those who had earned master's degrees to report that their graduate education was very important preparation for their work and career (92 vs. 88 percent), financial security (79 vs. 67 percent), and establishing their place in the community (58 vs. 45 percent).
- The occupations of 1992–93 college graduates with advanced degrees were related to their likelihood of reporting that their graduate education was very important preparation for their lives in 2003. Health professionals in 2003 were generally more likely than those in other occupations to report that their graduate education was very important for their financial security and for helping to establish their place in the community.

### **Table III.8**

- Most bachelor's degree holders who completed advanced degrees agreed that their graduate education was worth the cost, time, and effort required: 90 percent of graduates reported that it was worth the cost, 94 percent felt it was worth the time, and 96 percent said it was worth the effort.
- Bachelor's degree recipients who had earned doctoral or first-professional degrees were less likely than their peers who had earned master's degrees to report that their graduate education was worth the financial cost required (85 vs. 91 percent). However, no differences were detected between doctoral/first-professional and master's degree recipients in the proportion reporting that their graduate degrees were worth the time or effort taken.

**Table III.1. Percentage of 1992–93 bachelor’s degree recipients who reported that various characteristics of their undergraduate education were very important to their lives now, by selected characteristics: 2003**

| Selected characteristics                         | Bacca-<br>laureate<br>major | Liberal arts<br>courses | Undergrad-<br>uate pro-<br>fessional<br>courses | Quality of<br>instruction | Internship<br>and other<br>work<br>opportunities | Not very<br>important<br>for any<br>listed item |
|--|-----------------------------|-------------------------|---|---------------------------|--|---|
| U.S. total (excluding<br>Puerto Rico)            | 58.4                        | 36.4                    | 49.7  | 60.7                      | 41.8   | 8.8   |
| Total (50 states, D.C.,<br>and Puerto Rico)      | 58.3                        | 36.3                    | 49.8  | 60.7                      | 41.8   | 8.8   |
| Gender   |                             |                         |   |                           |  |   |
| Male   | 57.5                        | 34.1                    | 47.7  | 60.4                      | 36.0   | 9.2   |
| Female   | 59.0                        | 38.1                    | 51.6  | 61.0                      | 46.6   | 8.4   |
| Race/ethnicity <sup>1</sup>                      |                             |                         |   |                           |  |   |
| White, non-Hispanic                              | 58.5                        | 36.6                    | 49.2  | 60.5                      | 41.1   | 8.7   |
| Black, non-Hispanic                              | 57.9                        | 41.6                    | 58.1  | 68.2                      | 46.4   | 4.9   |
| Hispanic   | 61.8                        | 32.6                    | 53.5  | 65.4                      | 45.3   | 9.0   |
| Asian/Pacific Islander                           | 50.5                        | 28.5                    | 46.9  | 50.3                      | 43.8   | 15.1  |
| Parents’ highest education                       |                             |                         |   |                           |  |   |
| High school diploma or less                      | 58.2                        | 30.1                    | 54.1  | 58.6                      | 41.5   | 9.7   |
| Some postsecondary education                     | 60.2                        | 34.0                    | 50.9  | 58.5                      | 41.3   | 8.7   |
| Bachelor’s degree                                | 58.2                        | 37.2                    | 49.1  | 62.8                      | 41.7   | 7.6   |
| Advanced degree                                  | 56.9                        | 44.4                    | 44.0  | 63.3                      | 43.5   | 8.8   |
| Age at bachelor’s degree completion              |                             |                         |   |                           |  |   |
| 22 or younger                                    | 57.3                        | 39.5                    | 45.6  | 61.6                      | 43.4   | 7.9   |
| 23–24  | 56.7                        | 30.5                    | 49.6  | 56.7                      | 42.9   | 10.2  |
| 25–29  | 60.3                        | 32.1                    | 56.0  | 60.6                      | 40.6   | 9.0   |
| 30 or older                                      | 62.5                        | 39.3                    | 58.9  | 64.9                      | 36.1   | 8.8   |
| Cumulative undergraduate GPA                     |                             |                         |   |                           |  |   |
| Less than 2.75                                   | 55.0                        | 34.1                    | 49.4  | 57.6                      | 40.2   | 10.2  |
| 2.75–3.74  | 60.3                        | 38.1                    | 50.5  | 64.3                      | 44.1   | 7.2   |
| 3.75 or higher                                   | 68.4                        | 38.7                    | 51.2  | 64.5                      | 43.3   | 6.7   |
| Bachelor’s degree-granting institution           |                             |                         |   |                           |  |   |
| Public 4-year                                    | 59.8                        | 32.4                    | 51.7  | 57.8                      | 43.0   | 9.1   |
| Private not-for-profit 4-year                    | 55.6                        | 46.0                    | 46.4  | 67.5                      | 39.4   | 7.1   |
| Other  | 54.4                        | 20.7                    | 46.7  | 53.4                      | 42.6   | 19.0  |
| Time between college entry and bachelor’s degree |                             |                         |   |                           |  |   |
| 4 years or less                                  | 56.4                        | 43.5                    | 44.1  | 62.6                      | 43.0   | 7.6   |
| 5–6 years  | 58.5                        | 30.5                    | 50.8  | 58.0                      | 43.6   | 9.3   |
| More than 6 years                                | 60.5                        | 35.5                    | 56.5  | 62.1                      | 37.7   | 9.7   |

See notes at end of table.

**Table III.1. Percentage of 1992–93 bachelor’s degree recipients who reported that various characteristics of their undergraduate education were very important to their lives now, by selected characteristics: 2003—Continued**

| Selected characteristics                                 | Baccalaureate major | Liberal arts courses | Undergraduate professional courses | Quality of instruction | Internship and other work opportunities | Not very important for any listed item |
|--|---------------------|----------------------|------------------------------------|------------------------|---|--|
| <b>Educational expectations at bachelor’s completion</b> |                     |                      |                                    |                        |   |  |
| Bachelor’s degree  | 58.0                | 27.5                 | 48.1                               | 56.0                   | 39.1                                    | 10.4                                   |
| Master’s degree  | 59.6                | 33.6                 | 52.6                               | 59.4                   | 43.1                                    | 8.2                                    |
| Doctoral/first-professional degree                       | 56.8                | 45.9                 | 45.4                               | 66.9                   | 40.7                                    | 8.3                                    |
| <b>Enrollment status in 2003</b>                         |                     |                      |                                    |                        |   |  |
| Not currently enrolled                                   | 58.1                | 36.0                 | 49.7                               | 60.7                   | 41.9                                    | 8.7                                    |
| Currently enrolled                                       | 60.9                | 40.2                 | 51.2                               | 61.1                   | 41.6                                    | 9.3                                    |
| <b>Ever enrolled in a graduate program</b>               |                     |                      |                                    |                        |   |  |
| Did not enroll   | 56.0                | 33.2                 | 50.0                               | 57.5                   | 40.6                                    | 10.3                                   |
| Enrolled   | 61.4                | 40.6                 | 49.6                               | 65.1                   | 43.4                                    | 6.7                                    |
| <b>Highest degree attained as of 2003</b>                |                     |                      |                                    |                        |   |  |
| Bachelor’s degree  | 56.6                | 34.5                 | 50.6                               | 58.6                   | 41.3                                    | 9.5                                    |
| Master’s degree  | 64.7                | 39.8                 | 49.5                               | 65.5                   | 44.0                                    | 7.0                                    |
| Doctoral/first-professional degree                       | 59.3                | 48.4                 | 41.6                               | 71.4                   | 41.1                                    | 5.7                                    |
| <b>Field of advanced degree<sup>2</sup></b>              |                     |                      |                                    |                        |   |  |
| Business and management                                  | 54.7                | 32.1                 | 47.7                               | 62.4                   | 35.1                                    | 10.7                                   |
| Education  | 66.1                | 43.0                 | 54.7                               | 65.3                   | 50.0                                    | 5.3                                    |
| Health   | 57.6                | 30.6                 | 51.7                               | 68.0                   | 43.9                                    | 7.7                                    |
| Arts and humanities                                      | 55.3                | 71.7                 | 36.5                               | 76.1                   | 38.0                                    | 7.6                                    |
| Social and behavioral sciences                           | 71.6                | 55.8                 | 44.6                               | 62.9                   | 41.7                                    | 3.3                                    |
| Science/math/engineering                                 | 77.9                | 33.6                 | 45.0                               | 73.4                   | 51.6                                    | 4.3                                    |
| Other  | 64.2                | 47.8                 | 44.0                               | 66.6                   | 41.7                                    | 6.1                                    |
| <b>Occupation<sup>3</sup></b>                            |                     |                      |                                    |                        |   |  |
| Business and management                                  | 53.5                | 34.0                 | 52.4                               | 57.0                   | 36.3                                    | 10.6                                   |
| Education  | 68.1                | 42.6                 | 57.6                               | 67.6                   | 50.6                                    | 5.3                                    |
| Health professions                                       | 68.6                | 27.7                 | 62.8                               | 66.6                   | 52.2                                    | 5.2                                    |
| Service industries                                       | 48.7                | 37.4                 | 42.3                               | 53.9                   | 38.0                                    | 10.7                                   |
| Research, other professional/technical                   | 58.9                | 45.2                 | 41.9                               | 62.7                   | 42.6                                    | 7.7                                    |
| Engineering/architecture/computer science                | 66.2                | 25.9                 | 50.6                               | 61.9                   | 44.0                                    | 4.8                                    |
| Other  | 43.0                | 32.7                 | 35.0                               | 55.2                   | 31.0                                    | 18.7                                   |

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who completed a master’s, doctoral, or first-professional degree.

<sup>3</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table III.2. Percentage of 1992–93 bachelor’s degree recipients who reported that their undergraduate education was very important preparation for various areas of their lives now, by selected characteristics: 2003**

| Selected characteristics                         | Work and career | Further education | Establishing financial security | Not very important for any listed item |
|--|-----------------|-------------------|---------------------------------|--|
| U.S. total (excluding Puerto Rico)               | 78.5            | 55.9              | 57.1                            | 8.0                                    |
| Total (50 states, D.C., and Puerto Rico)         | 78.5            | 55.9              | 57.2                            | 8.1                                    |
| Gender   |                 |                   |                                 |  |
| Male   | 79.3            | 54.1              | 57.9                            | 8.0                                    |
| Female   | 77.9            | 57.4              | 56.6                            | 8.1                                    |
| Race/ethnicity <sup>1</sup>                      |                 |                   |                                 |  |
| White, non-Hispanic                              | 79.0            | 54.5              | 57.4                            | 7.8                                    |
| Black, non-Hispanic                              | 78.6            | 65.3              | 55.6                            | 6.0                                    |
| Hispanic   | 77.5            | 60.9              | 59.8                            | 11.5                                   |
| Asian/Pacific Islander                           | 71.2            | 62.0              | 51.8                            | 11.0                                   |
| Parents’ highest education                       |                 |                   |                                 |  |
| High school diploma or less                      | 78.8            | 53.5              | 57.7                            | 7.8                                    |
| Some postsecondary education                     | 81.7            | 54.9              | 58.6                            | 6.6                                    |
| Bachelor’s degree                                | 77.8            | 54.8              | 55.9                            | 8.5                                    |
| Advanced degree                                  | 76.4            | 59.8              | 56.0                            | 8.7                                    |
| Age at bachelor’s degree completion              |                 |                   |                                 |  |
| 22 or younger                                    | 77.9            | 57.6              | 56.2                            | 7.8                                    |
| 23–24  | 76.8            | 50.6              | 57.3                            | 8.6                                    |
| 25–29  | 80.7            | 56.9              | 61.4                            | 7.3                                    |
| 30 or older                                      | 81.6            | 58.7              | 56.7                            | 8.6                                    |
| Cumulative undergraduate GPA                     |                 |                   |                                 |  |
| Less than 2.75                                   | 76.5            | 51.9              | 56.7                            | 9.4                                    |
| 2.75–3.74  | 80.4            | 60.0              | 58.7                            | 6.0                                    |
| 3.75 or higher                                   | 83.7            | 63.7              | 56.1                            | 6.0                                    |
| Bachelor’s degree-granting institution           |                 |                   |                                 |  |
| Public 4-year                                    | 78.9            | 54.8              | 58.2                            | 7.9                                    |
| Private not-for-profit 4-year                    | 77.9            | 58.6              | 55.4                            | 8.3                                    |
| Other  | 76.7            | 52.2              | 53.2                            | 9.5                                    |
| Time between college entry and bachelor’s degree |                 |                   |                                 |  |
| 4 years or less                                  | 77.5            | 59.1              | 57.1                            | 7.5                                    |
| 5–6 years  | 77.8            | 51.8              | 56.6                            | 8.6                                    |
| More than 6 years                                | 81.5            | 58.2              | 58.2                            | 7.5                                    |

See notes at end of table.

**Table III.2. Percentage of 1992–93 bachelor’s degree recipients who reported that their undergraduate education was very important preparation for various areas of their lives now, by selected characteristics: 2003—Continued**

| Selected characteristics                          | Work and career | Further education | Establishing financial security | Not very important for any listed item |
|---|-----------------|-------------------|---------------------------------|--|
| Educational expectations at bachelor’s completion |                 |                   |                                 |  |
| Bachelor’s degree                                 | 79.1            | 39.2              | 57.2                            | 10.1                                   |
| Master’s degree                                   | 79.8            | 54.1              | 59.4                            | 7.6                                    |
| Doctoral/first-professional degree                | 75.6            | 69.2              | 53.0                            | 7.2                                    |
| Enrollment status in 2003                         |                 |                   |                                 |  |
| Not currently enrolled                            | 78.6            | 54.2              | 57.4                            | 8.3                                    |
| Currently enrolled                                | 77.2            | 74.6              | 54.7                            | 5.1                                    |
| Ever enrolled in a graduate program               |                 |                   |                                 |  |
| Did not enroll                                    | 77.5            | 43.2              | 57.4                            | 10.7                                   |
| Enrolled  | 79.9            | 73.2              | 56.8                            | 4.6                                    |
| Highest degree attained as of 2003                |                 |                   |                                 |  |
| Bachelor’s degree                                 | 78.0            | 48.0              | 57.3                            | 9.7                                    |
| Master’s degree                                   | 81.0            | 76.7              | 58.1                            | 3.4                                    |
| Doctoral/first-professional degree                | 76.3            | 85.8              | 52.2                            | 3.7                                    |
| Field of advanced degree <sup>2</sup>             |                 |                   |                                 |  |
| Business and management                           | 82.0            | 73.6              | 62.2                            | 2.1                                    |
| Education   | 83.5            | 75.3              | 59.1                            | 3.7                                    |
| Health  | 74.9            | 83.8              | 46.7                            | 4.9                                    |
| Arts and humanities                               | 79.7            | 77.0              | 35.6                            | 2.8                                    |
| Social and behavioral sciences                    | 74.5            | 88.4              | 47.2                            | 1.7                                    |
| Science/math/engineering                          | 86.1            | 84.5              | 67.8                            | 2.3                                    |
| Other   | 75.5            | 79.0              | 58.4                            | 5.4                                    |
| Occupation <sup>3</sup>                           |                 |                   |                                 |  |
| Business and management                           | 81.7            | 48.7              | 61.1                            | 7.8                                    |
| Education   | 84.8            | 68.9              | 57.5                            | 4.3                                    |
| Health professions                                | 82.7            | 69.0              | 62.2                            | 4.4                                    |
| Service industries                                | 69.5            | 45.2              | 53.3                            | 11.9                                   |
| Research, other professional/<br>technical        | 77.2            | 59.9              | 52.6                            | 7.2                                    |
| Engineering/architecture/<br>computer science     | 84.9            | 48.1              | 67.5                            | 6.0                                    |
| Other   | 55.9            | 52.7              | 40.6                            | 19.1                                   |

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who completed a master’s, doctoral, or first-professional degree.

<sup>3</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).



**Table III.3. Percentage of 1992–93 bachelor’s degree recipients who reported that their undergraduate education was worth the cost, time, and effort required, by selected characteristics: 2003**

| Selected characteristics                          | Financial cost | Amount of time | Amount of effort | Not worth cost, time or effort |
|---|----------------|----------------|------------------|--------------------------------|
| U.S. total (excluding Puerto Rico)                | 90.4           | 93.2           | 95.7             | 2.8                            |
| Total (50 states, D.C., and Puerto Rico)          | 90.2           | 93.2           | 95.6             | 2.8                            |
| Gender  |                |                |                  |                                |
| Male  | 90.3           | 92.1           | 95.0             | 3.2                            |
| Female  | 90.2           | 94.1           | 96.1             | 2.5                            |
| Race/ethnicity <sup>1</sup>                       |                |                |                  |                                |
| White, non-Hispanic                               | 90.6           | 93.6           | 95.8             | 2.7                            |
| Black, non-Hispanic                               | 87.9           | 91.3           | 94.5             | 3.0                            |
| Hispanic  | 88.5           | 91.8           | 94.8             | 3.4                            |
| Asian/Pacific Islander                            | 90.1           | 88.5           | 93.1             | 3.4                            |
| Parents’ highest education                        |                |                |                  |                                |
| High school diploma or less                       | 90.4           | 92.5           | 95.4             | 3.0                            |
| Some postsecondary education                      | 89.7           | 93.5           | 95.7             | 2.6                            |
| Bachelor’s degree                                 | 90.0           | 93.3           | 95.2             | 3.3                            |
| Advanced degree                                   | 91.0           | 94.2           | 96.3             | 2.0                            |
| Age at bachelor’s degree completion               |                |                |                  |                                |
| 22 or younger                                     | 89.5           | 94.5           | 96.1             | 2.5                            |
| 23–24   | 90.5           | 91.8           | 95.4             | 2.9                            |
| 25–29   | 89.7           | 90.4           | 94.6             | 3.8                            |
| 30 or older                                       | 92.5           | 93.8           | 95.3             | 2.7                            |
| Cumulative undergraduate GPA                      |                |                |                  |                                |
| Less than 2.75                                    | 89.0           | 92.1           | 94.8             | 3.1                            |
| 2.75–3.74   | 91.9           | 94.4           | 96.6             | 2.5                            |
| 3.75 or higher                                    | 93.0           | 95.8           | 97.0             | 1.8                            |
| Bachelor’s degree-granting institution            |                |                |                  |                                |
| Public 4-year                                     | 92.6           | 93.0           | 95.7             | 2.5                            |
| Private not-for-profit 4-year                     | 85.6           | 93.8           | 95.5             | 3.3                            |
| Other   | 87.6           | 92.5           | 95.1             | 2.9                            |
| Time between college entry and bachelor’s degree  |                |                |                  |                                |
| 4 years or less                                   | 88.7           | 94.8           | 96.0             | 2.5                            |
| 5–6 years   | 91.0           | 92.3           | 95.7             | 2.6                            |
| More than 6 years                                 | 91.5           | 92.3           | 94.9             | 3.4                            |
| Educational expectations at bachelor’s completion |                |                |                  |                                |
| Bachelor’s degree                                 | 88.2           | 90.0           | 94.4             | 3.9                            |
| Master’s degree                                   | 90.9           | 93.7           | 95.7             | 2.5                            |
| Doctoral/first-professional degree                | 90.0           | 93.9           | 95.8             | 2.9                            |

See notes at end of table.

**Table III.3. Percentage of 1992–93 bachelor’s degree recipients who reported that their undergraduate education was worth the cost, time, and effort required, by selected characteristics: 2003**  
—Continued

| Selected characteristics                      | Financial cost | Amount of time | Amount of effort | Not worth cost, time or effort |
|---|----------------|----------------|------------------|--------------------------------|
| Enrollment status in 2003                     |                |                |                  |                                |
| Not currently enrolled                        | 90.5           | 93.4           | 95.8             | 2.7                            |
| Currently enrolled                            | 87.6           | 91.2           | 93.2             | 4.4                            |
| Ever enrolled in a graduate program           |                |                |                  |                                |
| Did not enroll                                | 89.5           | 92.0           | 94.8             | 3.3                            |
| Enrolled                                      | 91.2           | 94.9           | 96.6             | 2.1                            |
| Highest degree attained as of 2003            |                |                |                  |                                |
| Bachelor’s degree                             | 89.8           | 92.5           | 95.0             | 3.1                            |
| Master’s degree                               | 91.3           | 94.9           | 97.0             | 2.1                            |
| Doctoral/first-professional degree            | 91.5           | 96.1           | 97.9             | 1.4                            |
| Field of advanced degree <sup>2</sup>         |                |                |                  |                                |
| Business and management                       | 93.7           | 93.6           | 96.3             | 2.9                            |
| Education                                     | 89.7           | 95.6           | 96.5             | 2.5                            |
| Health  | 89.9           | 96.5           | 96.1             | 2.2                            |
| Arts and humanities                           | 89.0           | 94.6           | 97.1             | 2.1                            |
| Social and behavioral sciences                | 88.2           | 95.9           | 99.4             | 0.6                            |
| Science/math/engineering                      | 91.7           | 95.6           | 99.1             | 0.7                            |
| Other   | 93.7           | 95.2           | 97.6             | 1.2                            |
| Occupation <sup>3</sup>                       |                |                |                  |                                |
| Business and management                       | 91.1           | 93.5           | 95.5             | 3.0                            |
| Education                                     | 92.1           | 95.9           | 97.2             | 1.4                            |
| Health professions                            | 93.0           | 93.6           | 95.8             | 2.6                            |
| Service industries                            | 90.3           | 93.4           | 94.8             | 3.1                            |
| Research, other professional/<br>technical    | 87.2           | 92.0           | 96.0             | 3.0                            |
| Engineering/architecture/<br>computer science | 92.3           | 92.5           | 95.3             | 1.7                            |
| Other   | 81.9           | 87.2           | 91.9             | 6.5                            |

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who completed a master’s, doctoral, or first-professional degree.

<sup>3</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table III.4. Percentage distribution of 1992–93 bachelor’s degree recipients by the highest level of education they expect to complete as of 2003, by selected characteristics**

| Selected characteristics                         | Bachelor’s degree/<br>post-baccalaureate<br>certificate | Master’s degree/<br>post-master’s<br>certificate | Professional<br>degree | Doctoral<br>degree |
|--|---|--|------------------------|--------------------|
| U.S. total (excluding<br>Puerto Rico)            | 37.6  | 44.2   | 5.8                    | 12.4               |
| Total (50 states, D.C.,<br>and Puerto Rico)      | 37.5  | 44.3   | 5.8                    | 12.4               |
| Gender   |   |  |                        |                    |
| Male   | 38.0  | 42.6   | 6.9                    | 12.5               |
| Female   | 37.2  | 45.7   | 4.9                    | 12.4               |
| Race/ethnicity <sup>1</sup>                      |   |  |                        |                    |
| White, non-Hispanic                              | 39.2  | 44.4   | 5.3                    | 11.1               |
| Black, non-Hispanic                              | 23.7  | 43.2   | 5.9                    | 27.3               |
| Hispanic   | 27.4  | 48.5   | 6.7                    | 17.4               |
| Asian/Pacific Islander                           | 37.1  | 41.5   | 13.0                   | 8.4                |
| Parents’ highest education                       |   |  |                        |                    |
| High school diploma or less                      | 44.2  | 41.8   | 4.0                    | 10.0               |
| Some postsecondary education                     | 37.5  | 46.2   | 4.9                    | 11.4               |
| Bachelor’s degree                                | 37.7  | 44.7   | 5.7                    | 12.0               |
| Advanced degree                                  | 28.7  | 46.8   | 8.5                    | 16.1               |
| Age at bachelor’s degree completion              |   |  |                        |                    |
| 22 or younger                                    | 32.3  | 44.8   | 8.3                    | 14.6               |
| 23–24  | 42.0  | 44.3   | 4.2                    | 9.6                |
| 25–29  | 41.2  | 45.3   | 2.3                    | 11.3               |
| 30 or older                                      | 44.0  | 41.6   | 3.1                    | 11.3               |
| Cumulative undergraduate GPA                     |   |  |                        |                    |
| Less than 2.75                                   | 42.4  | 42.8   | 3.8                    | 11.0               |
| 2.75–3.74  | 32.2  | 46.4   | 8.6                    | 12.9               |
| 3.75 or higher                                   | 28.8  | 45.9   | 7.8                    | 17.5               |
| Bachelor’s degree-granting institution           |   |  |                        |                    |
| Public 4-year                                    | 38.7  | 44.5   | 5.0                    | 11.8               |
| Private not-for-profit 4-year                    | 35.1  | 43.5   | 7.3                    | 14.1               |
| Other  | 38.5  | 46.3   | 6.5                    | 8.8                |
| Time between college entry and bachelor’s degree |   |  |                        |                    |
| 4 years or less                                  | 30.5  | 44.3   | 9.9                    | 15.3               |
| 5–6 years  | 40.0  | 45.4   | 3.7                    | 10.9               |
| More than 6 years                                | 43.6  | 42.4   | 3.3                    | 10.7               |

See notes at end of table.

**Table III.4. Percentage distribution of 1992–93 bachelor’s degree recipients by the highest level of education they expect to complete as of 2003, by selected characteristics—Continued**

| Selected characteristics                                 | Bachelor’s degree/<br>post-baccalaureate<br>certificate | Master’s degree/<br>post-master’s<br>certificate | Professional<br>degree | Doctoral<br>degree |
|--|---|--|------------------------|--------------------|
| <b>Educational expectations at bachelor’s completion</b> |   |  |                        |                    |
| Bachelor’s degree  | 67.9  | 26.0   | 3.3                    | 2.8                |
| Master’s degree  | 38.6  | 51.9   | 2.2                    | 7.3                |
| Doctoral/first-professional degree                       | 16.7  | 38.3   | 15.1                   | 29.8               |
| <b>Enrollment status in 2003</b>                         |   |  |                        |                    |
| Not currently enrolled                                   | 40.4  | 43.6   | 5.6                    | 10.5               |
| Currently enrolled                                       | 6.4   | 51.4   | 7.9                    | 34.3               |
| <b>Ever enrolled in a graduate program</b>               |   |  |                        |                    |
| Did not enroll   | 60.8  | 35.4   | 1.3                    | 2.6                |
| Enrolled   | 6.1   | 56.3   | 11.9                   | 25.8               |
| <b>Highest degree attained as of 2003</b>                |   |  |                        |                    |
| Bachelor’s degree  | 50.5  | 40.9   | 2.4                    | 6.2                |
| Master’s degree  | #   | 70.2   | 2.4                    | 27.4               |
| Doctoral/first-professional degree                       | #   | #  | 59.1                   | 40.9               |
| <b>Field of advanced degree<sup>2</sup></b>              |   |  |                        |                    |
| Business and management                                  | #   | 77.2   | 0.8                    | 22.0               |
| Education  | #   | 65.2   | 2.5                    | 32.3               |
| Health   | #   | 37.4   | 45.7                   | 16.9               |
| Arts and humanities                                      | #   | 47.9   | 5.8                    | 46.4               |
| Social and behavioral sciences                           | #   | 48.4   | 2.4                    | 49.2               |
| Science/math/engineering                                 | #   | 53.9   | 2.0                    | 44.1               |
| Other  | #   | 32.5   | 41.1                   | 26.4               |
| <b>Occupation<sup>3</sup></b>                            |   |  |                        |                    |
| Business and management                                  | 44.2  | 47.0   | 2.3                    | 6.5                |
| Education  | 14.3  | 59.3   | 2.3                    | 24.1               |
| Health professions                                       | 26.6  | 37.1   | 20.4                   | 15.9               |
| Service industries                                       | 58.9  | 35.3   | 1.5                    | 4.3                |
| Research, other professional/<br>technical               | 32.4  | 36.6   | 12.8                   | 18.2               |
| Engineering/architecture/<br>computer science            | 44.6  | 48.9   | 1.1                    | 5.4                |
| Other  | 57.0  | 30.1   | 4.8                    | 8.1                |

#Rounds to zero.

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who completed a master’s, doctoral, or first-professional degree.

<sup>3</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Detail may not sum to totals because of rounding. At bachelor’s completion, 15 percent of respondents expected their highest degree to be a bachelor’s degree, 59 percent expected a master’s, 20 percent expected a professional degree, and 6 percent expected a doctoral degree.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table III.5. Among 1992–93 bachelor’s degree recipients with advanced degrees, percentage who reported being very satisfied with various characteristics of their graduate education, by selected characteristics: 2003**

| Selected characteristics                         | Faculty/<br>teaching | Courses<br>offered | Course<br>availability | Career<br>preparation | Not very<br>satisfied with<br>any listed item |
|--|----------------------|--------------------|------------------------|-----------------------|---|
| U.S. total (excluding<br>Puerto Rico)            | 71.3                 | 70.2               | 64.3                   | 58.4                  | 4.4   |
| Total (50 states, D.C.,<br>and Puerto Rico)      | 71.2                 | 70.3               | 64.2                   | 58.5                  | 4.4   |
| Gender   |                      |                    |                        |                       |   |
| Male   | 70.1                 | 70.6               | 62.7                   | 60.4                  | 5.0   |
| Female   | 72.4                 | 70.2               | 65.6                   | 57.1                  | 3.6   |
| Race/ethnicity <sup>1</sup>                      |                      |                    |                        |                       |   |
| White, non-Hispanic                              | 71.5                 | 69.9               | 63.7                   | 56.2                  | 4.8   |
| Black, non-Hispanic                              | 71.1                 | 80.8               | 76.1                   | 72.8                  | 0.9   |
| Hispanic   | 68.1                 | 76.7               | 65.0                   | 70.0                  | 1.7   |
| Asian/Pacific Islander                           | 70.9                 | 59.7               | 56.8                   | 70.9                  | 3.3   |
| Parents’ highest education                       |                      |                    |                        |                       |   |
| High school diploma or less                      | 67.6                 | 67.6               | 68.4                   | 55.2                  | 4.1   |
| Some postsecondary education                     | 68.9                 | 71.1               | 61.2                   | 57.1                  | 4.8   |
| Bachelor’s degree                                | 72.6                 | 67.4               | 64.0                   | 62.0                  | 4.4   |
| Advanced degree                                  | 73.2                 | 74.0               | 62.6                   | 58.6                  | 4.1   |
| Age at bachelor’s degree completion              |                      |                    |                        |                       |   |
| 22 or younger                                    | 71.0                 | 70.1               | 61.3                   | 57.7                  | 5.7   |
| 23–24  | 69.2                 | 68.5               | 66.0                   | 60.0                  | 1.7   |
| 25–29  | 68.0                 | 68.0               | 66.7                   | 55.6                  | 3.2   |
| 30 or older                                      | 77.8                 | 76.7               | 75.2                   | 61.1                  | 2.6   |
| Cumulative undergraduate GPA                     |                      |                    |                        |                       |   |
| Less than 2.75                                   | 70.2                 | 71.6               | 67.4                   | 54.6                  | 4.0   |
| 2.75–3.74  | 73.4                 | 71.1               | 60.7                   | 62.7                  | 4.3   |
| 3.75 or higher                                   | 69.9                 | 67.9               | 63.3                   | 59.7                  | 4.9   |
| Bachelor’s degree-granting institution           |                      |                    |                        |                       |   |
| Public 4-year                                    | 72.3                 | 71.2               | 65.3                   | 58.8                  | 4.2   |
| Private not-for-profit 4-year                    | 70.9                 | 70.3               | 62.5                   | 57.7                  | 4.7   |
| Other  | ‡                    | ‡                  | ‡                      | ‡                     | ‡   |
| Time between college entry and bachelor’s degree |                      |                    |                        |                       |   |
| 4 years or less                                  | 70.8                 | 69.6               | 60.7                   | 58.7                  | 5.7   |
| 5–6 years  | 68.1                 | 69.6               | 64.3                   | 58.5                  | 3.6   |
| More than 6 years                                | 78.1                 | 73.6               | 73.5                   | 57.9                  | 2.2   |

See notes at end of table.

**Table III.5. Among 1992–93 bachelor’s degree recipients with advanced degrees, percentage who reported being very satisfied with various characteristics of their graduate education, by selected characteristics: 2003—Continued**

| Selected characteristics                          | Faculty/<br>teaching | Courses<br>offered | Course<br>availability | Career<br>preparation | Not very<br>satisfied with<br>any listed item |
|---|----------------------|--------------------|------------------------|-----------------------|---|
| Educational expectations at bachelor’s completion |                      |                    |                        |                       |   |
| Bachelor’s degree                                 | 77.2                 | 71.4               | 65.2                   | 50.4                  | 11.1  |
| Master’s degree                                   | 68.7                 | 69.9               | 66.8                   | 57.1                  | 3.1   |
| Doctoral/first-professional degree                | 72.4                 | 70.3               | 61.2                   | 61.4                  | 4.2   |
| Enrollment status in 2003                         |                      |                    |                        |                       |   |
| Not currently enrolled                            | 70.9                 | 70.2               | 64.0                   | 57.9                  | 4.4   |
| Currently enrolled                                | 74.8                 | 71.5               | 66.4                   | 64.7                  | 4.4   |
| Highest degree attained as of 2003                |                      |                    |                        |                       |   |
| Bachelor’s degree                                 | †                    | †                  | †                      | †                     | †   |
| Master’s degree                                   | 69.8                 | 70.6               | 65.8                   | 55.3                  | 4.0   |
| Doctoral/first-professional degree                | 75.4                 | 69.5               | 59.6                   | 67.6                  | 5.5   |
| Field of advanced degree                          |                      |                    |                        |                       |   |
| Business and management                           | 68.5                 | 74.0               | 66.7                   | 53.0                  | 3.1   |
| Education   | 69.4                 | 68.0               | 67.0                   | 59.2                  | 5.2   |
| Health  | 73.2                 | 66.3               | 63.5                   | 76.5                  | 2.2   |
| Arts and humanities                               | 78.6                 | 74.0               | 60.0                   | 56.8                  | 7.6   |
| Social and behavioral sciences                    | 61.5                 | 65.0               | 57.4                   | 54.8                  | 7.8   |
| Science/math/engineering                          | 70.6                 | 72.8               | 64.9                   | 48.9                  | 3.0   |
| Other   | 75.2                 | 70.0               | 62.1                   | 58.7                  | 5.0   |
| Occupation <sup>2</sup>                           |                      |                    |                        |                       |   |
| Business and management                           | 67.4                 | 71.6               | 66.7                   | 52.4                  | 3.4   |
| Education   | 70.5                 | 69.5               | 66.4                   | 58.4                  | 5.3   |
| Health professions                                | 70.9                 | 68.8               | 64.5                   | 78.9                  | 2.5   |
| Service industries                                | 58.4                 | 71.6               | 58.5                   | 42.2                  | 11.5  |
| Research, other professional/<br>technical        | 77.7                 | 69.2               | 57.6                   | 60.0                  | 5.5   |
| Engineering/architecture/<br>computer science     | 70.6                 | 81.0               | 65.2                   | 34.1                  | 1.4   |
| Other   | 75.1                 | 64.0               | 67.7                   | 46.8                  | 2.0   |

†Not applicable.

‡Reporting standards not met (too few cases).

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Graduates whose only graduate education took place before 1997 were not asked about their satisfaction with that education.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table III.6. Among 1992–93 bachelor’s degree recipients with advanced degrees, percentage who reported that various characteristics of their graduate education were very important to their lives now, by selected characteristics: 2003**

| Selected characteristics                         | Course of study | Quality of instruction | Interaction with faculty | Internship and other work opportunities | Social contacts | Not very important for any listed item |
|--|-----------------|------------------------|--------------------------|---|-----------------|--|
| U.S. total (excluding Puerto Rico)               | 78.5            | 67.6                   | 57.5                     | 54.9                                    | 57.1            | 4.4                                    |
| Total (50 states, D.C., and Puerto Rico)         | 78.5            | 67.7                   | 57.6                     | 54.9                                    | 57.1            | 4.4                                    |
| Gender   |                 |                        |                          |   |                 |  |
| Male   | 76.9            | 67.2                   | 57.3                     | 51.4                                    | 54.3            | 4.5                                    |
| Female   | 80.2            | 68.3                   | 57.8                     | 57.7                                    | 59.4            | 4.3                                    |
| Race/ethnicity <sup>1</sup>                      |                 |                        |                          |   |                 |  |
| White, non-Hispanic                              | 78.2            | 65.6                   | 55.7                     | 53.9                                    | 55.6            | 5.0                                    |
| Black, non-Hispanic                              | 80.3            | 79.9                   | 64.4                     | 60.8                                    | 67.9            | 2.4                                    |
| Hispanic   | 84.4            | 77.5                   | 67.4                     | 57.0                                    | 56.5            | 1.0                                    |
| Asian/Pacific Islander                           | 78.7            | 73.9                   | 69.0                     | 65.1                                    | 67.6            | 2.7                                    |
| Parents’ highest education                       |                 |                        |                          |   |                 |  |
| High school diploma or less                      | 78.9            | 66.1                   | 56.0                     | 47.6                                    | 58.5            | 4.3                                    |
| Some postsecondary education                     | 84.2            | 66.8                   | 56.4                     | 60.4                                    | 58.4            | 6.2                                    |
| Bachelor’s degree                                | 75.3            | 69.4                   | 61.8                     | 58.2                                    | 59.5            | 4.3                                    |
| Advanced degree                                  | 77.3            | 68.6                   | 54.8                     | 56.7                                    | 53.8            | 4.3                                    |
| Age at bachelor’s degree completion              |                 |                        |                          |   |                 |  |
| 22 or younger                                    | 78.0            | 68.2                   | 57.5                     | 55.3                                    | 58.5            | 5.3                                    |
| 23–24  | 78.2            | 67.1                   | 57.1                     | 59.2                                    | 57.5            | 2.2                                    |
| 25–29  | 82.6            | 56.0                   | 48.9                     | 42.4                                    | 56.6            | 2.2                                    |
| 30 or older                                      | 79.2            | 73.3                   | 65.1                     | 54.2                                    | 50.4            | 4.5                                    |
| Cumulative undergraduate GPA                     |                 |                        |                          |   |                 |  |
| Less than 2.75                                   | 73.0            | 65.6                   | 56.4                     | 50.7                                    | 58.6            | 5.4                                    |
| 2.75–3.74  | 80.4            | 72.6                   | 58.3                     | 58.4                                    | 57.4            | 4.1                                    |
| 3.75 or higher                                   | 86.8            | 62.6                   | 59.9                     | 59.7                                    | 55.2            | 3.0                                    |
| Bachelor’s degree-granting institution           |                 |                        |                          |   |                 |  |
| Public 4-year                                    | 79.1            | 68.2                   | 59.3                     | 55.6                                    | 58.3            | 3.5                                    |
| Private not-for-profit 4-year                    | 77.2            | 68.4                   | 56.0                     | 53.0                                    | 54.8            | 5.8                                    |
| Other  | ‡               | ‡                      | ‡                        | ‡                                       | ‡               | ‡                                      |
| Time between college entry and bachelor’s degree |                 |                        |                          |   |                 |  |
| 4 years or less                                  | 78.0            | 68.9                   | 57.5                     | 58.2                                    | 58.6            | 4.7                                    |
| 5–6 years  | 78.7            | 64.2                   | 56.2                     | 52.4                                    | 58.3            | 4.8                                    |
| More than 6 years                                | 79.5            | 70.5                   | 60.2                     | 49.9                                    | 51.1            | 3.0                                    |

See notes at end of table.

**Table III.6. Among 1992–93 bachelor’s degree recipients with advanced degrees, percentage who reported that various characteristics of their graduate education were very important to their lives now, by selected characteristics: 2003—Continued**

| Selected characteristics                          | Course of study | Quality of instruction | Interaction with faculty | Internship and other work opportunities | Social contacts | Not very important for any listed item |
|---|-----------------|------------------------|--------------------------|---|-----------------|--|
| Educational expectations at bachelor’s completion |                 |                        |                          |   |                 |  |
| Bachelor’s degree                                 | 76.9            | 72.6                   | 71.6                     | 56.9                                    | 59.9            | 4.7                                    |
| Master’s degree                                   | 76.3            | 64.8                   | 53.8                     | 50.0                                    | 56.0            | 4.9                                    |
| Doctoral/first-professional degree                | 82.2            | 70.4                   | 60.9                     | 61.0                                    | 58.4            | 3.5                                    |
| Enrollment status in 2003                         |                 |                        |                          |   |                 |  |
| Not currently enrolled                            | 78.3            | 67.8                   | 56.9                     | 54.3                                    | 57.0            | 4.5                                    |
| Currently enrolled                                | 84.0            | 65.2                   | 72.3                     | 67.1                                    | 59.5            | 2.7                                    |
| Highest degree attained as of 2003                |                 |                        |                          |   |                 |  |
| Bachelor’s degree                                 | †               | †                      | †                        | †                                       | †               | †                                      |
| Master’s degree                                   | 76.9            | 65.5                   | 54.4                     | 49.6                                    | 55.9            | 4.7                                    |
| Doctoral/first-professional degree                | 82.9            | 73.4                   | 66.2                     | 69.1                                    | 60.3            | 3.6                                    |
| Field of advanced degree                          |                 |                        |                          |   |                 |  |
| Business and management                           | 70.3            | 63.9                   | 49.3                     | 40.0                                    | 61.8            | 4.0                                    |
| Education   | 77.4            | 65.8                   | 55.4                     | 54.8                                    | 54.8            | 6.1                                    |
| Health  | 85.3            | 80.3                   | 70.2                     | 73.1                                    | 59.6            | 1.4                                    |
| Arts and humanities                               | 82.9            | 71.4                   | 58.6                     | 55.0                                    | 50.4            | 5.8                                    |
| Social and behavioral sciences                    | 83.3            | 56.8                   | 65.4                     | 67.4                                    | 69.4            | 1.5                                    |
| Science/math/engineering                          | 82.7            | 63.9                   | 65.3                     | 54.8                                    | 50.5            | 5.7                                    |
| Other   | 80.7            | 69.6                   | 55.6                     | 57.9                                    | 55.3            | 4.3                                    |
| Occupation <sup>2</sup>                           |                 |                        |                          |   |                 |  |
| Business and management                           | 74.7            | 58.5                   | 45.4                     | 39.6                                    | 55.5            | 4.6                                    |
| Education   | 77.3            | 65.9                   | 60.0                     | 55.5                                    | 55.8            | 5.0                                    |
| Health professions                                | 88.6            | 81.7                   | 70.7                     | 72.4                                    | 57.4            | 0.2                                    |
| Service industries                                | 68.8            | 48.7                   | 42.6                     | 47.8                                    | 56.2            | 6.5                                    |
| Research, other professional/technical            | 79.7            | 70.7                   | 59.2                     | 63.9                                    | 62.5            | 6.8                                    |
| Engineering/architecture/computer science         | 68.6            | 65.5                   | 53.3                     | 42.4                                    | 54.8            | 5.4                                    |
| Other   | 81.2            | 81.0                   | 63.4                     | 30.2                                    | 56.4            | 0.7                                    |

†Not applicable.

‡Reporting standards not met (too few cases).

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Graduates whose only graduate education took place before 1997 were not asked about the relationship of that education to their lives in 2003.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).



**Table III.7. Among 1992–93 bachelor’s degree recipients with advanced degrees, percentage who reported that their graduate education was very important preparation for various areas of their lives now, by selected characteristics: 2003**

| Selected characteristics                         | Work and career | Establishing financial security | Establishing place in community | Taking on new challenges | Making informed choices | Not important preparation |
|--|-----------------|---------------------------------|---------------------------------|--------------------------|-------------------------|---------------------------|
| U.S. total (excluding Puerto Rico)               | 88.9            | 70.4                            | 48.4                            | 76.7                     | 60.4                    | 1.8                       |
| Total (50 states, D.C., and Puerto Rico)         | 89.0            | 70.5                            | 48.4                            | 76.8                     | 60.4                    | 1.8                       |
| Gender   |                 |                                 |                                 |                          |                         |                           |
| Male   | 87.2            | 72.7                            | 47.6                            | 73.7                     | 57.2                    | 2.6                       |
| Female   | 90.4            | 68.4                            | 49.3                            | 79.4                     | 63.0                    | 1.2                       |
| Race/ethnicity <sup>1</sup>                      |                 |                                 |                                 |                          |                         |                           |
| White, non-Hispanic                              | 88.4            | 70.4                            | 46.6                            | 76.3                     | 59.4                    | 2.2                       |
| Black, non-Hispanic                              | 88.5            | 60.1                            | 47.5                            | 71.5                     | 66.7                    | 0.5                       |
| Hispanic   | 96.5            | 75.5                            | 63.8                            | 82.4                     | 58.3                    | #                         |
| Asian/Pacific Islander                           | 94.0            | 83.2                            | 65.0                            | 81.5                     | 74.1                    | #                         |
| Parents’ highest education                       |                 |                                 |                                 |                          |                         |                           |
| High school diploma or less                      | 86.9            | 67.0                            | 48.2                            | 76.1                     | 60.7                    | 1.8                       |
| Some postsecondary education                     | 88.2            | 74.3                            | 43.8                            | 72.5                     | 53.4                    | 3.1                       |
| Bachelor’s degree                                | 92.4            | 73.1                            | 50.7                            | 77.8                     | 63.4                    | 1.2                       |
| Advanced degree                                  | 86.5            | 68.0                            | 48.9                            | 78.2                     | 60.3                    | 2.0                       |
| Age at bachelor’s degree completion              |                 |                                 |                                 |                          |                         |                           |
| 22 or younger                                    | 89.3            | 73.3                            | 50.7                            | 75.4                     | 59.8                    | 1.8                       |
| 23–24  | 88.5            | 69.2                            | 41.2                            | 73.5                     | 55.6                    | 1.8                       |
| 25–29  | 88.2            | 70.8                            | 43.2                            | 79.5                     | 57.0                    | 0.5                       |
| 30 or older                                      | 87.7            | 56.6                            | 52.3                            | 88.6                     | 73.9                    | 2.9                       |
| Cumulative undergraduate GPA                     |                 |                                 |                                 |                          |                         |                           |
| Less than 2.75                                   | 88.4            | 68.1                            | 48.4                            | 77.5                     | 63.5                    | 1.7                       |
| 2.75–3.74  | 89.9            | 75.0                            | 49.0                            | 74.3                     | 57.1                    | 2.0                       |
| 3.75 or higher                                   | 88.1            | 70.0                            | 47.8                            | 80.3                     | 60.6                    | 1.7                       |
| Bachelor’s degree-granting institution           |                 |                                 |                                 |                          |                         |                           |
| Public 4-year                                    | 89.9            | 72.7                            | 48.5                            | 77.5                     | 61.8                    | 1.5                       |
| Private not-for-profit 4-year                    | 86.8            | 67.0                            | 49.1                            | 75.2                     | 59.5                    | 2.5                       |
| Other  | ‡               | ‡                               | ‡                               | ‡                        | ‡                       | ‡                         |
| Time between college entry and bachelor’s degree |                 |                                 |                                 |                          |                         |                           |
| 4 years or less                                  | 87.9            | 74.3                            | 50.3                            | 76.5                     | 61.1                    | 2.0                       |
| 5–6 years  | 91.0            | 69.0                            | 45.9                            | 72.7                     | 55.9                    | 1.5                       |
| More than 6 years                                | 88.0            | 62.0                            | 47.5                            | 84.9                     | 66.0                    | 2.0                       |

See notes at end of table.

**Table III.7. Among 1992–93 bachelor’s degree recipients with advanced degrees, percentage who reported that their graduate education was very important preparation for various areas of their lives now, by selected characteristics: 2003—Continued**

| Selected characteristics                                 | Work and career | Establishing financial security | Establishing place in community | Taking on new challenges | Making informed choices | Not important preparation |
|--|-----------------|---------------------------------|---------------------------------|--------------------------|-------------------------|---------------------------|
| <b>Educational expectations at bachelor’s completion</b> |                 |                                 |                                 |                          |                         |                           |
| Bachelor’s degree  | 92.8            | 53.0                            | 52.0                            | 83.3                     | 57.6                    | 2.5                       |
| Master’s degree  | 86.6            | 71.1                            | 42.2                            | 75.7                     | 58.4                    | 1.8                       |
| Doctoral/first-professional degree                       | 90.2            | 72.9                            | 55.6                            | 77.1                     | 62.6                    | 1.7                       |
| <b>Enrollment status in 2003</b>                         |                 |                                 |                                 |                          |                         |                           |
| Not currently enrolled                                   | 88.9            | 70.4                            | 48.4                            | 76.7                     | 60.3                    | 1.8                       |
| Currently enrolled                                       | ‡               | ‡                               | ‡                               | ‡                        | ‡                       | ‡                         |
| <b>Highest degree attained as of 2003</b>                |                 |                                 |                                 |                          |                         |                           |
| Bachelor’s degree  | †               | †                               | †                               | †                        | †                       | †                         |
| Master’s degree  | 87.7            | 67.4                            | 44.7                            | 76.7                     | 60.0                    | 1.6                       |
| Doctoral/first-professional degree                       | 92.3            | 78.6                            | 58.3                            | 76.9                     | 61.3                    | 2.4                       |
| <b>Field of advanced degree</b>                          |                 |                                 |                                 |                          |                         |                           |
| Business and management                                  | 81.7            | 67.5                            | 33.0                            | 76.3                     | 60.9                    | 3.2                       |
| Education  | 90.5            | 70.8                            | 50.5                            | 72.4                     | 57.9                    | 0.9                       |
| Health   | 96.3            | 82.4                            | 63.7                            | 79.9                     | 59.3                    | #                         |
| Arts and humanities                                      | 83.4            | 44.5                            | 56.0                            | 81.4                     | 64.9                    | 1.9                       |
| Social and behavioral sciences                           | 92.4            | 72.8                            | 65.7                            | 80.1                     | 70.2                    | #                         |
| Science/math/engineering                                 | 92.8            | 73.2                            | 40.7                            | 76.4                     | 52.1                    | 2.1                       |
| Other  | 89.5            | 72.3                            | 50.1                            | 78.5                     | 63.2                    | 2.9                       |
| <b>Occupation<sup>2</sup></b>                            |                 |                                 |                                 |                          |                         |                           |
| Business and management                                  | 84.2            | 70.3                            | 30.2                            | 76.1                     | 57.2                    | 2.7                       |
| Education  | 92.0            | 69.5                            | 51.2                            | 73.7                     | 57.8                    | 1.5                       |
| Health professions                                       | 94.2            | 83.7                            | 62.6                            | 80.8                     | 61.5                    | 0.2                       |
| Service industries                                       | 68.4            | 55.6                            | 33.0                            | 81.8                     | 65.3                    | 6.0                       |
| Research, other professional/technical                   | 91.1            | 69.2                            | 55.8                            | 80.7                     | 65.8                    | 2.3                       |
| Engineering/architecture/computer science                | 86.0            | 57.9                            | 39.1                            | 67.1                     | 52.5                    | 1.0                       |
| Other  | 74.3            | 54.5                            | 61.1                            | 77.9                     | 78.0                    | 1.4                       |

†Not applicable.

#Rounds to zero.

‡Reporting standards not met (too few cases).

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Graduates whose only graduate education took place before 1997 were not asked about the relationship of that education to their lives in 2003.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table III.8. Among 1992–93 bachelor’s degree recipients with advanced degrees, percentage who reported that their graduate education was worth the cost, time, and effort required, by selected characteristics: 2003**

| Selected characteristics                         | Financial cost | Amount of time | Amount of effort |
|--|----------------|----------------|------------------|
| U.S. total (excluding Puerto Rico)               | 89.5           | 94.0           | 95.8             |
| Total (50 states, D.C., and Puerto Rico)         | 89.6           | 94.1           | 95.8             |
| Gender   |                |                |                  |
| Male   | 90.2           | 92.5           | 95.1             |
| Female   | 88.9           | 95.3           | 96.3             |
| Race/ethnicity <sup>1</sup>                      |                |                |                  |
| White, non-Hispanic                              | 89.6           | 93.7           | 95.4             |
| Black, non-Hispanic                              | 88.9           | 100.0          | 99.2             |
| Hispanic   | 89.9           | 92.4           | 96.3             |
| Asian/Pacific Islander                           | 88.6           | 98.4           | 99.3             |
| Parents’ highest education                       |                |                |                  |
| High school diploma or less                      | 92.4           | 94.6           | 97.0             |
| Some postsecondary education                     | 87.8           | 95.3           | 95.6             |
| Bachelor’s degree                                | 89.8           | 93.2           | 94.5             |
| Advanced degree                                  | 89.4           | 93.6           | 96.1             |
| Age at bachelor’s degree completion              |                |                |                  |
| 22 or younger                                    | 88.2           | 93.0           | 96.2             |
| 23–24  | 89.7           | 95.6           | 94.6             |
| 25–29  | 94.9           | 96.3           | 97.4             |
| 30 or older                                      | 93.6           | 95.7           | 94.7             |
| Cumulative undergraduate GPA                     |                |                |                  |
| Less than 2.75                                   | 90.5           | 93.9           | 95.5             |
| 2.75–3.74  | 88.8           | 95.2           | 96.3             |
| 3.75 or higher                                   | 89.4           | 92.4           | 95.5             |
| Bachelor’s degree-granting institution           |                |                |                  |
| Public 4-year                                    | 91.4           | 94.8           | 95.4             |
| Private not-for-profit 4-year                    | 86.9           | 92.7           | 96.5             |
| Other  | ‡              | ‡              | ‡                |
| Time between college entry and bachelor’s degree |                |                |                  |
| 4 years or less                                  | 88.0           | 93.0           | 96.5             |
| 5–6 years  | 89.4           | 94.3           | 94.1             |
| More than 6 years                                | 94.4           | 96.6           | 96.6             |

See notes at end of table.

**Table III.8. Among 1992–93 bachelor’s degree recipients with advanced degrees, percentage who reported that their graduate education was worth the cost, time, and effort required, by selected characteristics: 2003—Continued**

| Selected characteristics                          | Financial cost | Amount of time | Amount of effort |
|---|----------------|----------------|------------------|
| Educational expectations at bachelor’s completion |                |                |                  |
| Bachelor’s degree                                 | 90.7           | 94.9           | 96.0             |
| Master’s degree                                   | 92.2           | 93.6           | 95.2             |
| Doctoral/first-professional degree                | 86.7           | 94.3           | 96.9             |
| Enrollment status in 2003                         |                |                |                  |
| Not currently enrolled                            | 89.2           | 94.4           | 96.0             |
| Currently enrolled                                | 96.8           | 87.0           | 92.3             |
| Highest degree attained as of 2003                |                |                |                  |
| Bachelor’s degree                                 | †              | †              | †                |
| Master’s degree                                   | 91.3           | 94.4           | 96.2             |
| Doctoral/first-professional degree                | 84.7           | 93.2           | 94.7             |
| Field of advanced degree                          |                |                |                  |
| Business and management                           | 91.3           | 92.6           | 95.8             |
| Education   | 90.9           | 94.4           | 94.8             |
| Health  | 82.8           | 95.2           | 96.5             |
| Arts and humanities                               | 93.6           | 96.3           | 98.2             |
| Social and behavioral sciences                    | 87.1           | 89.5           | 97.4             |
| Science/math/engineering                          | 95.4           | 92.2           | 94.4             |
| Other   | 86.0           | 95.7           | 95.7             |
| Occupation <sup>2</sup>                           |                |                |                  |
| Business and management                           | 90.4           | 92.1           | 95.7             |
| Education   | 91.9           | 93.9           | 96.1             |
| Health professions                                | 84.8           | 96.2           | 97.2             |
| Service industries                                | 89.6           | 95.5           | 97.4             |
| Research, other professional/<br>technical        | 87.5           | 94.4           | 94.7             |
| Engineering/architecture/<br>computer science     | 92.7           | 92.4           | 95.1             |
| Other   | 93.4           | 97.2           | 91.5             |

†Not applicable.

‡Reporting standards not met (too few cases).

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Graduates whose only graduate education took place before 1997 were not asked whether that education was worth the time, cost, and effort required.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

## Section IV: Family Status

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**Table IV.1**

- Graduates whose parents had higher levels of education were more likely than those whose parents had lower levels of education to be single and never married in 2003. While 17 percent of graduates whose parents had no education beyond high school were single in 2003, 24 percent of those whose parents had advanced degrees were single then.
- Among 1992–93 bachelor’s degree recipients, those who graduated at age 30 or older were less likely than their younger counterparts to be single and never married when interviewed in 2003 (7 vs. 19–23 percent), and they were more likely than their younger peers to be widowed (2 vs. 0.02–0.3 percent). Those who graduated at age 30 or older were more likely, and those who graduated at age 22 or younger were less likely, than others to be divorced in 2003.
- In 2003, 1992–93 college graduates with higher grade point averages (GPAs) were more likely than those with lower GPAs to be married and were less likely to be single and never married.
- The 1992–93 college graduates who were employed in education were less likely than those in other fields to be single and never married in 2003 (15 vs. 20–24 percent).
- Graduates who had children younger than age 18 were less likely than their counterparts without children to be single and never married (2 vs. 39 percent), cohabiting (2 vs. 7 percent), divorced (5 vs. 7 percent), or widowed (0.2 vs. 0.7 percent), and they were more likely to be married (90 vs. 45 percent).

**Table IV.2**

- Among 1992–93 graduates in 2003, Asians were less likely than Whites, Blacks, or Hispanics to have children under age 18: about one-third (31 percent) of Asian graduates had children, compared with 52–56 percent of graduates in the other three racial/ethnic groups.
- Among 1992–93 graduates in 2003, those whose parents had some postsecondary education (but not a bachelor’s degree) were more likely than other graduates to have children younger than age 18 (56 vs. 49–51 percent).
- Graduates who completed a bachelor’s degree at age 30 or older were less likely than their younger peers to have dependents under age 18 in 2003, while those who graduated at ages 25–29 were more likely than others to have dependents of this age.

- College graduates who had majored in humanities as undergraduates were generally less likely than those who had other undergraduate majors (except social and behavioral sciences) to have children 10 years later (40 vs. 48–51 percent).
- The higher their undergraduate GPA, the less likely 1992–93 college graduates were to have dependents in 2003. For example, while 54 percent of graduates with a GPA below 2.75 had children, 46 percent of those with a GPA of 3.75 or higher did so.
- Among 1992–93 bachelor’s degree recipients, those who graduated from public institutions were more likely than those who graduated from private not-for-profit institutions to have children in 2003 (54 vs. 46 percent). While the former group of graduates also appeared to be more likely than graduates of other institutions to have children, the difference was not statistically significant.
- Among 1992–93 college graduates, those who were self-employed or worked for local or state government were more likely than employees in for-profit or in not-for-profit companies to have children (55–56 percent vs. 49 and 45 percent, respectively).

### **Table IV.3**

- Among 1992–93 bachelor’s degree recipients in 2003, two-fifths (39 percent) had dependents age 4 or younger; one-fourth (26 percent) had dependents ages 5–17; and one-tenth (10 percent) had dependents age 18 or older. Asian graduates were less likely than their White, Hispanic, or Black counterparts to have dependents ages 5–17 (13 vs. 25, 35, and 39 percent, respectively). White graduates were also less likely than Black or Hispanic graduates to have dependents in this age group.
- Graduates of public 4-year institutions were more likely than graduates of private not-for-profit or other institutions to have dependents ages 0–4 when interviewed in 2003, 10 years after completing a bachelor’s degree (43 vs. 33 and 25 percent, respectively).
- The higher the degree that graduates had obtained by 2003, the less likely they were to have dependents ages 5–17. Twenty-nine percent of those holding no more than a bachelor’s degree had dependents in this age group, while 20 percent of master’s degree holders and 12 percent of doctoral or first-professional degree holders had children this age.
- Graduates who worked part time at one job in 2003 and those who were out of the labor force were more likely than other graduates to have young dependents (age 4 or younger). Graduates who worked full time at one job or who had multiple jobs were generally more likely than other graduates to have adult dependents (age 18 or older; 11 and 13 percent, respectively, vs. 6–8 percent).
- Among 1992–93 bachelor’s degree recipients in 2003, those who were single and had never been married were relatively unlikely (2 percent) to have dependents age 4 or younger. Separated, divorced, or widowed graduates were more likely to have children in this age group (19 percent), and married or cohabiting graduates were even more likely to do so (51 percent). Single, never married graduates were also less likely than others to have dependents ages 5–17 (3 vs. 32–34 percent). Separated, divorced, or widowed graduates were more likely than others to have adult dependents (26 vs. 9–11 percent).

#### Table IV.4

- In 2003, 10 years after college graduation, 44 percent of graduates with children under 18 had children age 4 or younger in daycare, and 22 percent had children ages 5–17 in before- or after-school care. Eleven percent of graduates with dependents under 18 had a child ages 5–17 enrolled in private school.
- Black graduates with children under 18 were more likely than their White or Hispanic counterparts to have children ages 5–17 in before- or after-school care (44 vs. 20 and 17 percent, respectively). Black and Hispanic parents were also more likely than White parents to have children of this age in private school (15 and 18 percent, respectively, vs. 10 percent).
- Among 1992–93 bachelor’s degree recipients with children under 18 in 2003, those whose parents had more education were less likely than their counterparts whose parents had less education to have children ages 5–17 in private school. While 12 percent of parents whose own parents had no more than a high school education had a child ages 5–17 in private school, 7 percent of those whose parents had advanced degrees did.
- Among graduates who were parents 10 years after bachelor’s degree completion, those graduates who achieved higher GPAs in college were less likely than those with lower GPAs to have children age 4 or younger in daycare or to have children ages 5–17 in before- or after-school care.
- Among graduates with dependents under age 18, those who were employed by a local or state government were less likely than those in the for-profit or not-for-profit sectors to have children age 4 or younger in daycare.

#### Table IV.5

- Among 1992–93 college graduates who had children under age 18 in 2003, 49 percent reported that they had taken leave from work at some point since 1997 for childrearing; of those who had taken leave, they averaged 7 months off. About two-fifths (40 percent) had taken paid leave, averaging 2.5 months.
- In 2003, 1992–93 college graduates who had been out of the labor force or worked part time at any time since 1997 were asked whether a variety of factors, including childrearing and family care, were reasons for their lower level of labor force participation. Overall, 79 percent of those who had been out of the labor force indicated that raising a family was one reason for not working, and 64 percent of those who had worked part time reported the same.
- While 27 percent of men had taken leave and 24 percent had taken paid leave for childrearing, two-thirds (67 percent) of women had taken leave and about half (54 percent) had taken paid leave. Men had taken shorter periods of leave than women as well.
- Parents who worked part time or were out of the labor force in 2003 were generally more likely than others to have taken leave for childrearing at some point since 1997. About three-fourths (73 percent) of part-time employees had taken leave, as had 62 percent of those who were out of the labor force in 2003. Part-time workers were also more likely than others to have taken paid leave from work.

- Among parents who had taken leave, those who were employed full time at one job in 2003 had taken shorter periods of leave than others. Those who were out of the labor force in 2003 had taken the longest leave, an average of 19 months (compared with 11 months or less for other groups).
- Parents who were self-employed or worked in the for-profit sector were less likely than those in not-for-profit organizations, local or state government, or federal government to have taken leave from work for childrearing, and the self-employed were less likely than all other employed parents to have taken paid leave. Federal government employees were more likely than for-profit or not-for-profit employees to have taken paid leave (59 vs. 38 and 42 percent, respectively).

### **Table IV.6**

- About 73 percent of college graduates with children were saving money for their children's education in 2003. The most commonly used savings vehicle was a traditional savings account (50 percent), followed by money market accounts, state-sponsored savings plans, and Roth IRAs (ranging from 21–24 percent each). Less commonly used were certificates of deposit (12 percent) and tuition prepayment plans (7 percent). About three in ten (31 percent) graduates had their children's education savings in some other form.
- As their age at bachelor's degree completion increased, the percentage of graduates with savings for their children's education decreased, from 75 percent of those 22 or younger to 66 percent of those 30 or older when they completed a bachelor's degree.
- Parents who graduated from private not-for-profit institutions were less likely than others to be saving for their children's education (69 percent). Graduates of public 4-year institutions (74 percent) and graduates of other institutions (90 percent) were more likely to have such savings.
- Graduates working in business and management were more likely than average to have any savings for their children's education. Eighty percent of graduates working in a business-related job were saving for their children's education, compared with 73 percent of all employed graduates.
- About three-fourths (74 percent) of married graduates who were parents were saving money for their children's education, compared with 60–61 percent of parents who were separated, divorced, widowed, or never married.

### **Table IV.7**

- Both Asian and Black college graduates were less likely than either Hispanic or White graduates to own a home in 2003. About one-half (53 percent) of Asian graduates owned a home, compared with 77 percent of White and 74 percent of Hispanic graduates. The home ownership rate among Black degree holders was 59 percent.
- About 77 percent of those who earned a bachelor's degree at public 4-year institutions owned a home, a rate that exceeded the 70 percent of those who graduated from private not-for-



profit institutions. No difference was detected between the percentages of graduates of public universities and of graduates of other types of institutions (69 percent) who owned homes, however.

- The home ownership rate declined as educational attainment increased. A higher proportion of college graduates with no further degree owned a home than those had obtained doctoral or first-professional degrees (76 vs. 59 percent).
- Graduates who were unemployed (47 percent) were less likely than others to own a home, while those who were out of the labor force (83 percent) were more likely than others to do so. In between these two groups were graduates who had multiple jobs (69 percent), those who worked full time at a single job (75 percent), and those who worked part time at a single job (75 percent).
- Graduates who were unemployed in 2003 were more likely to neither own nor rent a home than those working full time or part time at a single job (12 vs. 3 percent). The unemployed were also more likely to neither own nor rent than graduates who were out of the labor force (3 percent).
- A majority of married or cohabiting graduates owned a home (86 percent), a larger proportion than among those who were separated, divorced, or widowed (58 percent) or single (39 percent). Single graduates were more likely than others to neither own nor rent.

#### **Table IV.8**

- Ten years after completing a bachelor's degree, 35 percent of graduates lived in the South, 23 percent each in the Northeast and Midwest, 18 percent in the West, and 1 percent in outlying areas or other countries.
- The four regions of the United States had varying proportions of graduates from different racial/ethnic backgrounds. For example, about one-half of Asian/Pacific Islander graduates lived in the West, and about one-half of Black graduates lived in the South. Black, Hispanic, and White graduates were all concentrated more heavily in the South in 2003 than in any of the other three regions.
- In 2003, most graduates lived in the state where their bachelor's degree institution was located (61 percent) and lived in the same state as their "home" state (for traditional students, typically the state in which they attended high school) as well (67 percent). Both types of interstate mobility increased as the educational attainment of graduates' parents increased (that is, the percentages living in the same state decreased).
- In 2003, those who majored in education while working for a bachelor's degree were more likely than average to be living in the state where that institution was located (71 vs. 61 percent). Graduates who majored in education were more likely than average to live in their home state (75 vs. 67 percent), while those who majored in humanities (55 percent) were less likely than average to do so.
- About 65 percent of graduates of public 4-year institutions lived in the state of their bachelor's degree institution, compared with 53 percent of graduates of private not-for-profit insti-

tutions. Sixty-nine percent of graduates from public 4-year institutions and 64 percent of graduates from private not-for-profit 4-year institutions lived in their home state as well.

- Graduates who had attained no degree beyond a bachelor's by 2003 were more likely than those who had attained a doctoral or first-professional degree to live in the same state as their bachelor's degree institution and the same state as their home state. About 64 percent of those with a bachelor's degree lived in the same state as their bachelor's degree institution 10 years later, compared with 38 percent of those who had earned a doctoral or first-professional degree.
- Graduates who were single were less likely than others to live in the same state as their bachelor's institution 10 years after completing the degree, followed by married or cohabiting graduates and then separated, divorced, or widowed graduates.
- Parents with one or more dependents under age 18 were more likely than graduates with no dependents to be living in the same state as their bachelor's degree institution or their home state.

**Table IV.1. Percentage distribution of 1992–93 bachelor’s degree recipients’ marital status, by selected characteristics: 2003**

| Selected characteristics                 | Single, never married | Cohabiting, not married | Married | Separated | Divorced | Widowed |
|--|-----------------------|-------------------------|---------|-----------|----------|---------|
| U.S. total (excluding Puerto Rico)       | 20.1                  | 4.3                     | 68.2    | 1.2       | 5.9      | 0.4     |
| Total (50 states, D.C., and Puerto Rico) | 20.0                  | 4.3                     | 68.1    | 1.2       | 5.9      | 0.4     |
| Gender                                   |                       |                         |         |           |          |         |
| Male                                     | 22.2                  | 4.3                     | 67.5    | 1.1       | 4.9      | 0.1     |
| Female                                   | 18.2                  | 4.3                     | 68.7    | 1.3       | 6.8      | 0.7     |
| Race/ethnicity <sup>1</sup>              |                       |                         |         |           |          |         |
| White, non-Hispanic                      | 18.2                  | 4.4                     | 70.4    | 1.0       | 5.7      | 0.4     |
| Black, non-Hispanic                      | 32.6                  | 2.8                     | 51.9    | 3.5       | 8.9      | 0.3     |
| Hispanic                                 | 18.6                  | 5.3                     | 64.9    | 1.3       | 8.7      | 1.1     |
| Asian/Pacific Islander                   | 37.3                  | 4.7                     | 54.4    | 1.2       | 2.4      | #       |
| Parents’ highest education               |                       |                         |         |           |          |         |
| High school diploma or less              | 17.0                  | 4.6                     | 69.3    | 1.7       | 6.7      | 0.7     |
| Some postsecondary education             | 19.4                  | 4.4                     | 68.6    | 1.0       | 6.5      | 0.2     |
| Bachelor’s degree                        | 20.1                  | 4.2                     | 68.6    | 1.0       | 6.0      | 0.2     |
| Advanced degree                          | 24.4                  | 3.8                     | 65.9    | 1.0       | 4.8      | 0.1     |
| Age at bachelor’s degree completion      |                       |                         |         |           |          |         |
| 22 or younger                            | 22.8                  | 4.8                     | 68.2    | 1.0       | 3.2      | #       |
| 23–24                                    | 23.0                  | 3.8                     | 66.9    | 1.1       | 5.1      | 0.1     |
| 25–29                                    | 19.1                  | 3.9                     | 69.2    | 1.8       | 5.7      | 0.3     |
| 30 or older                              | 7.2                   | 3.9                     | 68.9    | 1.5       | 16.3     | 2.3     |
| Baccalaureate degree major               |                       |                         |         |           |          |         |
| Business and management                  | 20.6                  | 3.3                     | 68.8    | 0.7       | 6.5      | 0.1     |
| Education                                | 13.2                  | 2.4                     | 75.7    | 1.6       | 6.0      | 1.0     |
| Engineering                              | 18.7                  | 1.8                     | 76.1    | 0.2       | 3.0      | 0.3     |
| Health                                   | 14.7                  | 4.2                     | 71.3    | 2.1       | 6.9      | 0.8     |
| Public affairs/social services           | 14.8                  | 9.1                     | 62.0    | 2.7       | 10.0     | 1.5     |
| Humanities                               | 27.2                  | 5.7                     | 58.5    | 1.2       | 6.9      | 0.5     |
| Social and behavioral sciences           | 21.5                  | 5.4                     | 65.5    | 2.0       | 5.2      | 0.3     |
| Natural sciences and mathematics         | 24.0                  | 4.1                     | 67.6    | 0.2       | 4.1      | #       |
| Other                                    | 20.0                  | 5.9                     | 66.4    | 1.2       | 6.2      | 0.3     |
| Cumulative undergraduate GPA             |                       |                         |         |           |          |         |
| Less than 2.75                           | 21.7                  | 4.4                     | 66.5    | 1.4       | 5.8      | 0.3     |
| 2.75–3.74                                | 18.7                  | 4.0                     | 70.4    | 0.7       | 5.9      | 0.4     |
| 3.75 or higher                           | 13.9                  | 4.2                     | 73.6    | 1.0       | 6.3      | 1.0     |
| Bachelor’s degree-granting institution   |                       |                         |         |           |          |         |
| Public 4-year                            | 18.6                  | 4.4                     | 69.6    | 1.3       | 5.8      | 0.4     |
| Private not-for-profit 4-year            | 22.6                  | 4.2                     | 65.4    | 0.9       | 6.5      | 0.5     |
| Other                                    | 25.0                  | 4.4                     | 63.8    | 2.3       | 3.9      | 0.7     |

See notes at end of table.

**Table IV.1. Percentage distribution of 1992–93 bachelor’s degree recipients’ marital status, by selected characteristics: 2003—Continued**

| Selected characteristics                      | Single, never married | Cohabiting, not married | Married | Separated | Divorced | Widowed |
|---|-----------------------|-------------------------|---------|-----------|----------|---------|
| <b>Highest degree attained as of 2003</b>     |                       |                         |         |           |          |         |
| Bachelor’s degree                             | 19.3                  | 4.2                     | 68.7    | 1.2       | 6.3      | 0.4     |
| Master’s degree                               | 20.1                  | 4.8                     | 68.0    | 1.0       | 5.6      | 0.5     |
| Doctoral/first-professional degree            | 29.5                  | 4.6                     | 60.7    | 2.2       | 3.0      | #       |
| <b>Labor force participation</b>              |                       |                         |         |           |          |         |
| Employed, total                               | 20.9                  | 4.6                     | 66.8    | 1.1       | 6.1      | 0.4     |
| Full time, one job                            | 21.6                  | 4.7                     | 66.5    | 1.2       | 5.7      | 0.4     |
| Part time, one job                            | 12.1                  | 3.1                     | 77.9    | 1.4       | 5.1      | 0.5     |
| Multiple jobs                                 | 23.4                  | 5.5                     | 60.2    | 0.8       | 10.0     | 0.1     |
| Unemployed                                    | 31.0                  | 4.8                     | 53.6    | 2.4       | 7.0      | 1.2     |
| Out of the labor force                        | 6.6                   | 1.2                     | 86.8    | 1.3       | 3.5      | 0.7     |
| <b>Type of employer<sup>2</sup></b>           |                       |                         |         |           |          |         |
| Self-employed                                 | 18.7                  | 6.8                     | 67.3    | 1.4       | 5.8      | #       |
| For-profit                                    | 21.8                  | 4.8                     | 66.9    | 1.2       | 5.0      | 0.2     |
| Not-for-profit                                | 21.6                  | 4.6                     | 66.3    | 0.6       | 6.1      | 0.8     |
| Local/state government                        | 16.6                  | 3.2                     | 70.1    | 1.9       | 7.8      | 0.4     |
| Federal government                            | 22.2                  | 3.8                     | 63.8    | 0.7       | 8.9      | 0.7     |
| Military                                      | 21.3                  | 2.2                     | 67.6    | 0.9       | 8.1      | #       |
| <b>Occupation<sup>2</sup></b>                 |                       |                         |         |           |          |         |
| Business and management                       | 19.5                  | 4.2                     | 69.2    | 1.2       | 5.8      | 0.1     |
| Education                                     | 15.4                  | 2.8                     | 72.9    | 1.3       | 6.9      | 0.7     |
| Health professions                            | 21.2                  | 3.5                     | 65.9    | 1.8       | 6.9      | 0.8     |
| Service industries                            | 20.0                  | 7.0                     | 65.9    | 1.0       | 6.1      | #       |
| Research, other professional/<br>technical    | 24.3                  | 6.0                     | 61.0    | 1.6       | 6.7      | 0.4     |
| Engineering/architecture/<br>computer science | 21.5                  | 3.8                     | 71.0    | 0.4       | 3.0      | 0.2     |
| Other   | 24.0                  | 3.6                     | 65.0    | 1.0       | 5.5      | 0.8     |
| <b>Number of dependents under age 18</b>      |                       |                         |         |           |          |         |
| None  | 38.9                  | 7.1                     | 45.2    | 1.0       | 7.2      | 0.7     |
| One or more                                   | 2.0                   | 1.7                     | 90.1    | 1.4       | 4.7      | 0.2     |

#Rounds to zero.

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table IV.2. Percentage distribution of 1992–93 bachelor’s degree recipients’ number of dependents younger than age 18, by selected characteristics: 2003**

| Selected characteristics                 | None | Has dependents younger than age 18 |      |      |               |
|--|------|------------------------------------|------|------|---------------|
|  |      | Total                              | One  | Two  | Three or more |
| U.S. total (excluding Puerto Rico)       | 49.0 | 51.0                               | 20.6 | 21.6 | 8.8           |
| Total (50 states, D.C., and Puerto Rico) | 48.9 | 51.1                               | 20.7 | 21.6 | 8.8           |
| Gender                                   |      |                                    |      |      |               |
| Male                                     | 48.8 | 51.2                               | 20.8 | 21.2 | 9.2           |
| Female                                   | 49.0 | 51.0                               | 20.6 | 21.9 | 8.5           |
| Race/ethnicity <sup>1</sup>              |      |                                    |      |      |               |
| White, non-Hispanic                      | 48.4 | 51.6                               | 20.7 | 22.1 | 8.8           |
| Black, non-Hispanic                      | 44.7 | 55.3                               | 22.8 | 23.5 | 9.1           |
| Hispanic                                 | 43.6 | 56.5                               | 23.3 | 19.1 | 14.1          |
| Asian/Pacific Islander                   | 68.6 | 31.4                               | 15.2 | 14.4 | 1.9           |
| Parents’ highest education               |      |                                    |      |      |               |
| High school diploma or less              | 49.4 | 50.6                               | 17.6 | 23.9 | 9.2           |
| Some postsecondary education             | 43.8 | 56.2                               | 23.1 | 24.0 | 9.1           |
| Bachelor’s degree                        | 49.5 | 50.5                               | 22.0 | 20.3 | 8.2           |
| Advanced degree                          | 50.9 | 49.1                               | 21.9 | 18.4 | 8.9           |
| Age at bachelor’s degree completion      |      |                                    |      |      |               |
| 22 or younger                            | 51.1 | 48.9                               | 22.1 | 20.3 | 6.6           |
| 23–24                                    | 44.0 | 56.0                               | 20.5 | 24.7 | 10.8          |
| 25–29                                    | 36.2 | 63.8                               | 18.2 | 29.7 | 15.9          |
| 30 or older                              | 60.4 | 39.6                               | 18.4 | 14.2 | 7.0           |
| Baccalaureate degree major               |      |                                    |      |      |               |
| Business and management                  | 47.3 | 52.7                               | 21.7 | 22.7 | 8.3           |
| Education                                | 39.1 | 60.9                               | 22.1 | 26.9 | 11.9          |
| Engineering                              | 44.5 | 55.5                               | 21.0 | 25.4 | 9.1           |
| Health                                   | 43.4 | 56.6                               | 20.0 | 26.2 | 10.4          |
| Public affairs/social services           | 43.1 | 56.9                               | 29.5 | 20.4 | 7.1           |
| Humanities                               | 60.2 | 39.8                               | 19.2 | 12.8 | 7.8           |
| Social and behavioral sciences           | 54.3 | 45.7                               | 19.2 | 18.3 | 8.2           |
| Natural sciences and mathematics         | 52.3 | 47.7                               | 20.1 | 18.7 | 8.9           |
| Other                                    | 50.5 | 49.5                               | 18.9 | 23.1 | 7.5           |
| Cumulative undergraduate GPA             |      |                                    |      |      |               |
| Less than 2.75                           | 46.3 | 53.7                               | 20.9 | 23.2 | 9.6           |
| 2.75–3.74                                | 50.2 | 49.8                               | 20.4 | 20.8 | 8.6           |
| 3.75 or higher                           | 53.8 | 46.2                               | 20.6 | 18.3 | 7.3           |
| Bachelor’s degree-granting institution   |      |                                    |      |      |               |
| Public 4-year                            | 45.8 | 54.2                               | 21.4 | 24.0 | 8.9           |
| Private not-for-profit 4-year            | 54.4 | 45.7                               | 19.9 | 17.4 | 8.4           |
| Other                                    | 59.3 | 40.7                               | 14.2 | 15.1 | 11.4          |

See notes at end of table.

**Table IV.2. Percentage distribution of 1992–93 bachelor’s degree recipients’ number of dependents younger than age 18, by selected characteristics: 2003—Continued**

| Selected characteristics                      | None | Has dependents under age 18 |      |      |               |
|---|------|-----------------------------|------|------|---------------|
|   |      | Total                       | One  | Two  | Three or more |
| <b>Highest degree attained as of 2003</b>     |      |                             |      |      |               |
| Bachelor’s degree                             | 47.1 | 52.9                        | 20.4 | 23.1 | 9.5           |
| Master’s degree                               | 52.2 | 47.8                        | 22.0 | 19.2 | 6.6           |
| Doctoral/first-professional degree            | 61.5 | 38.5                        | 20.2 | 10.8 | 7.5           |
| <b>Labor force participation</b>              |      |                             |      |      |               |
| Employed, total                               | 50.9 | 49.1                        | 20.8 | 20.6 | 7.7           |
| Full time, one job                            | 52.0 | 48.0                        | 20.9 | 19.8 | 7.4           |
| Part time, one job                            | 36.0 | 64.0                        | 24.1 | 29.3 | 10.6          |
| Multiple jobs                                 | 55.7 | 44.3                        | 17.4 | 19.1 | 7.8           |
| Unemployed                                    | 59.6 | 40.4                        | 15.1 | 16.0 | 9.3           |
| Out of the labor force                        | 24.9 | 75.1                        | 21.6 | 34.2 | 19.3          |
| <b>Type of employer<sup>2</sup></b>           |      |                             |      |      |               |
| Self-employed                                 | 44.7 | 55.3                        | 20.4 | 23.8 | 11.1          |
| For-profit                                    | 50.9 | 49.1                        | 21.2 | 21.0 | 7.0           |
| Not-for-profit                                | 54.5 | 45.5                        | 19.4 | 18.2 | 7.9           |
| Local/state government                        | 44.4 | 55.6                        | 21.7 | 23.2 | 10.8          |
| Federal government                            | 54.5 | 45.5                        | 23.2 | 14.8 | 7.6           |
| Military                                      | 39.6 | 60.4                        | 23.1 | 33.0 | 4.3           |
| <b>Occupation<sup>2</sup></b>                 |      |                             |      |      |               |
| Business and management                       | 48.4 | 51.6                        | 21.8 | 22.6 | 7.2           |
| Education                                     | 43.5 | 56.6                        | 21.4 | 24.6 | 10.6          |
| Health professions                            | 49.1 | 50.9                        | 22.0 | 19.6 | 9.3           |
| Service industries                            | 48.7 | 51.3                        | 21.8 | 20.7 | 8.7           |
| Research, other professional/<br>technical    | 58.5 | 41.5                        | 17.6 | 16.7 | 7.3           |
| Engineering/architecture/<br>computer science | 48.4 | 51.6                        | 21.7 | 21.8 | 8.1           |
| Other   | 50.1 | 49.9                        | 20.3 | 23.1 | 6.5           |
| <b>Marital status</b>                         |      |                             |      |      |               |
| Single, never married                         | 95.0 | 5.0                         | 2.8  | 1.3  | 0.9           |
| Married or cohabiting                         | 35.3 | 64.7                        | 25.4 | 27.9 | 11.4          |
| Separated/divorced/widowed                    | 57.4 | 42.6                        | 22.6 | 15.3 | 4.7           |

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table IV.3. Percentage of 1992–93 bachelor’s degree recipients with dependents of various ages, and of those, average number of dependents, by selected characteristics: 2003**

| Selected characteristics                    | Dependents<br>age 4 or younger        |                   | Dependents ages 5–17 |                   | Dependents<br>age 18 or older |                   |
|---|---------------------------------------|-------------------|----------------------|-------------------|-------------------------------|-------------------|
|   | Percent<br>with any                   | Average<br>number | Percent<br>with any  | Average<br>number | Percent<br>with any           | Average<br>number |
|   | U.S. total (excluding<br>Puerto Rico) | 39.1              | 1.4                  | 26.2              | 1.6                           | 10.4              |
| Total (50 states, D.C.,<br>and Puerto Rico) | 39.1                                  | 1.4               | 26.3                 | 1.6               | 10.5                          | 1.4               |
| Gender                                      |                                       |                   |                      |                   |                               |                   |
| Male  | 39.5                                  | 1.4               | 25.3                 | 1.6               | 8.9                           | 1.4               |
| Female                                      | 38.7                                  | 1.4               | 27.1                 | 1.5               | 11.9                          | 1.4               |
| Race/ethnicity <sup>1</sup>                 |                                       |                   |                      |                   |                               |                   |
| White, non-Hispanic                         | 40.2                                  | 1.4               | 25.5                 | 1.6               | 9.2                           | 1.4               |
| Black, non-Hispanic                         | 32.9                                  | 1.3               | 39.3                 | 1.6               | 15.6                          | 1.4               |
| Hispanic                                    | 40.2                                  | 1.4               | 34.6                 | 1.7               | 20.4                          | 1.3               |
| Asian/Pacific Islander                      | 26.0                                  | 1.3               | 13.5                 | 1.4               | 13.7                          | 1.6               |
| Parents’ highest education                  |                                       |                   |                      |                   |                               |                   |
| High school diploma or less                 | 35.4                                  | 1.4               | 31.6                 | 1.6               | 14.6                          | 1.5               |
| Some postsecondary education                | 41.0                                  | 1.4               | 29.3                 | 1.5               | 11.4                          | 1.4               |
| Bachelor’s degree                           | 41.5                                  | 1.4               | 22.3                 | 1.5               | 8.1                           | 1.4               |
| Advanced degree                             | 41.0                                  | 1.4               | 20.8                 | 1.6               | 6.7                           | 1.4               |
| Age at bachelor’s degree completion         |                                       |                   |                      |                   |                               |                   |
| 22 or younger                               | 44.9                                  | 1.4               | 16.9                 | 1.4               | 5.3                           | 1.3               |
| 23–24                                       | 46.9                                  | 1.4               | 27.1                 | 1.5               | 6.0                           | 1.3               |
| 25–29                                       | 39.2                                  | 1.3               | 48.0                 | 1.7               | 11.6                          | 1.4               |
| 30 or older                                 | 7.1                                   | 1.2               | 38.1                 | 1.7               | 34.1                          | 1.5               |
| Baccalaureate degree major                  |                                       |                   |                      |                   |                               |                   |
| Business and management                     | 38.6                                  | 1.3               | 29.2                 | 1.5               | 13.5                          | 1.3               |
| Education                                   | 46.5                                  | 1.4               | 32.6                 | 1.6               | 11.5                          | 1.5               |
| Engineering                                 | 45.0                                  | 1.4               | 25.8                 | 1.6               | 6.9                           | 1.4               |
| Health                                      | 42.0                                  | 1.4               | 30.9                 | 1.6               | 13.8                          | 1.7               |
| Public affairs/social services              | 35.1                                  | 1.3               | 35.6                 | 1.4               | 11.1                          | 1.4               |
| Humanities                                  | 30.8                                  | 1.4               | 19.4                 | 1.6               | 8.3                           | 1.4               |
| Social and behavioral sciences              | 37.3                                  | 1.4               | 20.6                 | 1.7               | 9.7                           | 1.3               |
| Natural sciences and mathematics            | 37.9                                  | 1.4               | 24.1                 | 1.5               | 9.7                           | 1.3               |
| Other                                       | 38.5                                  | 1.5               | 23.8                 | 1.5               | 7.9                           | 1.6               |
| Cumulative undergraduate GPA                |                                       |                   |                      |                   |                               |                   |
| Less than 2.75                              | 42.5                                  | 1.4               | 26.9                 | 1.6               | 8.7                           | 1.4               |
| 2.75–3.74                                   | 37.8                                  | 1.4               | 25.5                 | 1.6               | 11.7                          | 1.4               |
| 3.75 or higher                              | 30.0                                  | 1.4               | 26.7                 | 1.6               | 16.6                          | 1.5               |
| Bachelor’s degree-granting institution      |                                       |                   |                      |                   |                               |                   |
| Public 4-year                               | 42.6                                  | 1.4               | 27.0                 | 1.5               | 10.1                          | 1.4               |
| Private not-for-profit 4-year               | 33.3                                  | 1.4               | 24.6                 | 1.6               | 11.1                          | 1.4               |
| Other                                       | 24.8                                  | 1.4               | 28.3                 | 1.9               | 12.3                          | ‡                 |

See notes at end of table.

**Table IV.3. Percentage of 1992–93 bachelor’s degree recipients with dependents of various ages, and of those, average number of dependents, by selected characteristics: 2003—Continued**

| Selected characteristics                      | Dependents<br>age 4 or younger     |                   | Dependents ages 5–17 |                   | Dependents<br>age 18 or older |                   |
|---|------------------------------------|-------------------|----------------------|-------------------|-------------------------------|-------------------|
|   | Percent<br>with any                | Average<br>number | Percent<br>with any  | Average<br>number | Percent<br>with any           | Average<br>number |
|   | Highest degree attained as of 2003 |                   |                      |                   |                               |                   |
| Bachelor’s degree                             | 39.6                               | 1.4               | 29.1                 | 1.5               | 10.4                          | 1.5               |
| Master’s degree                               | 38.5                               | 1.4               | 19.9                 | 1.6               | 11.7                          | 1.3               |
| Doctoral/first-professional degree            | 34.1                               | 1.4               | 11.6                 | 1.8               | 7.1                           | 1.2               |
| Labor force participation                     |                                    |                   |                      |                   |                               |                   |
| Employed, total                               | 36.5                               | 1.4               | 25.6                 | 1.6               | 11.1                          | 1.4               |
| Full time, one job                            | 35.5                               | 1.4               | 25.0                 | 1.6               | 11.1                          | 1.3               |
| Part time, one job                            | 54.8                               | 1.4               | 27.6                 | 1.5               | 8.3                           | 1.6               |
| Multiple jobs                                 | 29.2                               | 1.4               | 28.2                 | 1.6               | 13.4                          | 1.7               |
| Unemployed                                    | 31.6                               | 1.3               | 22.4                 | 1.7               | 7.3                           | ‡                 |
| Out of the labor force                        | 67.5                               | 1.5               | 34.6                 | 1.5               | 6.2                           | 1.8               |
| Type of employer <sup>2</sup>                 |                                    |                   |                      |                   |                               |                   |
| Self-employed                                 | 44.9                               | 1.5               | 27.1                 | 1.6               | 7.5                           | 1.6               |
| For-profit                                    | 38.5                               | 1.4               | 23.0                 | 1.5               | 9.9                           | 1.4               |
| Not-for-profit                                | 36.4                               | 1.4               | 22.0                 | 1.5               | 13.1                          | 1.4               |
| Local/state government                        | 39.7                               | 1.4               | 31.1                 | 1.6               | 11.7                          | 1.3               |
| Federal government                            | 31.9                               | 1.3               | 23.6                 | 2.1               | 10.3                          | ‡                 |
| Military                                      | 39.9                               | 1.2               | 44.9                 | ‡                 | 14.2                          | ‡                 |
| Occupation <sup>2</sup>                       |                                    |                   |                      |                   |                               |                   |
| Business and management                       | 39.8                               | 1.4               | 24.9                 | 1.6               | 10.6                          | 1.4               |
| Education                                     | 41.6                               | 1.4               | 30.2                 | 1.6               | 11.2                          | 1.4               |
| Health professions                            | 39.9                               | 1.4               | 24.8                 | 1.5               | 11.8                          | 1.5               |
| Service industries                            | 41.4                               | 1.4               | 24.5                 | 1.6               | 11.0                          | 1.3               |
| Research, other professional/<br>technical    | 31.6                               | 1.4               | 20.1                 | 1.6               | 10.1                          | 1.5               |
| Engineering/architecture/<br>computer science | 39.9                               | 1.3               | 25.7                 | 1.6               | 7.4                           | 1.5               |
| Other   | 36.8                               | 1.3               | 30.3                 | 1.4               | 12.3                          | 1.5               |
| Marital status                                |                                    |                   |                      |                   |                               |                   |
| Single, never married                         | 2.5                                | 1.3               | 3.4                  | 1.5               | 11.2                          | 1.1               |
| Married or cohabiting                         | 51.3                               | 1.4               | 31.9                 | 1.6               | 8.7                           | 1.5               |
| Separated/divorced/widowed                    | 18.7                               | 1.2               | 33.5                 | 1.4               | 25.7                          | 1.3               |
| Number of dependents under age 18             |                                    |                   |                      |                   |                               |                   |
| None  | †                                  | †                 | †                    | †                 | 11.5                          | 1.4               |
| One or more                                   | 75.1                               | 1.4               | 50.5                 | 1.6               | 9.6                           | 1.4               |

†Not applicable.

‡Reporting standards not met (too few cases).

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).



**Table IV.4. Of 1992–93 bachelor’s degree recipients with dependents younger than age 18, percentage with dependents in various childcare and educational arrangements, by selected characteristics: 2003**

| Selected characteristics                 | Age 4 or younger in day care/preschool | Ages 5–17 in before- or after-school care | Ages 5–17 in private school |
|--|--|---|-----------------------------|
| U.S. total (excluding Puerto Rico)       | 44.3                                   | 21.9                                      | 10.5                        |
| Total (50 states, D.C., and Puerto Rico) | 44.2                                   | 21.9                                      | 10.8                        |
| Gender                                   |  |   |                             |
| Male                                     | 42.2                                   | 19.6                                      | 10.3                        |
| Female                                   | 45.8                                   | 23.7                                      | 11.1                        |
| Race/ethnicity <sup>1</sup>              |  |   |                             |
| White, non-Hispanic                      | 44.5                                   | 19.5                                      | 9.9                         |
| Black, non-Hispanic                      | 47.4                                   | 43.7                                      | 14.5                        |
| Hispanic                                 | 43.4                                   | 17.3                                      | 18.0                        |
| Asian/Pacific Islander                   | 36.1                                   | 38.2                                      | 12.4                        |
| Parents’ highest education               |  |   |                             |
| High school diploma or less              | 40.7                                   | 19.6                                      | 12.2                        |
| Some postsecondary education             | 43.8                                   | 25.5                                      | 12.8                        |
| Bachelor’s degree                        | 44.1                                   | 26.1                                      | 9.7                         |
| Advanced degree                          | 48.2                                   | 17.2                                      | 7.3                         |
| Age at bachelor’s degree completion      |  |   |                             |
| 22 or younger                            | 52.5                                   | 23.0                                      | 7.0                         |
| 23–24                                    | 47.9                                   | 22.5                                      | 9.7                         |
| 25–29                                    | 37.6                                   | 25.1                                      | 17.4                        |
| 30 or older                              | 11.0                                   | 16.4                                      | 19.3                        |
| Baccalaureate degree major               |  |   |                             |
| Business and management                  | 43.5                                   | 20.0                                      | 11.5                        |
| Education                                | 46.9                                   | 22.7                                      | 8.6                         |
| Engineering                              | 44.9                                   | 22.4                                      | 11.1                        |
| Health                                   | 47.0                                   | 21.7                                      | 13.8                        |
| Public affairs/social services           | 36.7                                   | 26.7                                      | 12.9                        |
| Humanities                               | 37.6                                   | 19.9                                      | 8.3                         |
| Social and behavioral sciences           | 47.5                                   | 21.1                                      | 10.0                        |
| Natural sciences and mathematics         | 40.8                                   | 25.3                                      | 11.6                        |
| Other                                    | 45.7                                   | 22.1                                      | 11.0                        |
| Cumulative undergraduate GPA             |  |   |                             |
| Less than 2.75                           | 46.2                                   | 23.8                                      | 11.1                        |
| 2.75–3.74                                | 44.5                                   | 21.4                                      | 9.3                         |
| 3.75 or higher                           | 33.2                                   | 11.9                                      | 11.8                        |
| Bachelor’s degree-granting institution   |  |   |                             |
| Public 4-year                            | 46.3                                   | 22.8                                      | 10.1                        |
| Private not-for-profit 4-year            | 40.0                                   | 19.9                                      | 11.5                        |
| Other                                    | 32.5                                   | 21.5                                      | 19.5                        |

See notes at end of table.

**Table IV.4. Of 1992–93 bachelor’s degree recipients with dependents younger than age 18, percentage with dependents in various childcare and educational arrangements, by selected characteristics: 2003—Continued**

| Selected characteristics                      | Age 4 or younger in daycare/preschool | Ages 5–17 in before- or after-school care | Ages 5–17 in private school |
|---|---------------------------------------|---|-----------------------------|
| Highest degree attained as of 2003            |                                       |   |                             |
| Bachelor’s degree                             | 44.2                                  | 22.9                                      | 11.5                        |
| Master’s degree                               | 45.7                                  | 17.0                                      | 8.2                         |
| Doctoral/first-professional degree            | 37.3                                  | 17.5                                      | 8.0                         |
| Labor force participation                     |                                       |   |                             |
| Employed, total                               | 46.0                                  | 24.2                                      | 11.0                        |
| Full time, one job                            | 46.2                                  | 25.9                                      | 11.0                        |
| Part time, one job                            | 50.8                                  | 18.9                                      | 9.4                         |
| Multiple jobs                                 | 38.7                                  | 16.7                                      | 12.5                        |
| Unemployed                                    | 39.6                                  | 29.8                                      | 8.6                         |
| Out of the labor force                        | 33.2                                  | 3.4                                       | 9.9                         |
| Type of employer <sup>2</sup>                 |                                       |   |                             |
| Self-employed                                 | 41.0                                  | 14.6                                      | 7.5                         |
| For-profit                                    | 44.6                                  | 24.0                                      | 10.4                        |
| Not-for-profit                                | 46.2                                  | 22.0                                      | 12.3                        |
| Local/state government                        | 37.0                                  | 25.9                                      | 9.7                         |
| Federal government                            | 52.7                                  | 34.4                                      | 12.5                        |
| Military                                      | 39.1                                  | ‡   | 20.9                        |
| Occupation <sup>2</sup>                       |                                       |   |                             |
| Business and management                       | 47.3                                  | 24.6                                      | 9.4                         |
| Education                                     | 46.3                                  | 20.4                                      | 9.6                         |
| Health professions                            | 44.4                                  | 17.5                                      | 15.8                        |
| Service industries                            | 43.6                                  | 19.8                                      | 11.0                        |
| Research, other professional/<br>technical    | 38.8                                  | 24.7                                      | 7.3                         |
| Engineering/architecture/<br>computer science | 44.7                                  | 29.4                                      | 12.3                        |
| Other   | 37.4                                  | 22.4                                      | 14.3                        |
| Marital status                                |                                       |   |                             |
| Single, never married                         | 39.2                                  | 38.8                                      | 19.0                        |
| Married or cohabiting                         | 45.0                                  | 20.2                                      | 10.4                        |
| Separated/divorced/widowed                    | 32.8                                  | 33.1                                      | 12.8                        |

‡Reporting standards not met (too few cases).

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table IV.5. Percentage of 1992–93 bachelor’s degree recipients with dependents younger than age 18 who had taken leave from work for childrearing, by selected characteristics: 2003**

| Selected characteristics                 | Percent taking leave | Length of total leave in months | Percent taking paid leave | Length of paid leave in months | Of those ever out of labor force, percent did so for childrearing <sup>1</sup> | Of those ever worked part time, percent did so for childrearing <sup>2</sup> |
|--|----------------------|---------------------------------|---------------------------|--------------------------------|--|--|
| U.S. total (excluding Puerto Rico)       | 47.8                 | 6.8                             | 39.2                      | 2.5                            | 78.9   | 64.6   |
| Total (50 states, D.C., and Puerto Rico) | 47.8                 | 6.8                             | 39.1                      | 2.5                            | 78.9   | 64.0   |
| Gender                                   |                      |                                 |                           |                                |  |  |
| Male                                     | 26.4                 | 2.0                             | 23.2                      | 1.4                            | 21.7   | 25.8   |
| Female                                   | 66.4                 | 8.4                             | 53.7                      | 3.0                            | 85.8   | 73.1   |
| Race/ethnicity <sup>3</sup>              |                      |                                 |                           |                                |  |  |
| White, non-Hispanic                      | 48.3                 | 7.1                             | 39.3                      | 2.5                            | 80.0   | 66.5   |
| Black, non-Hispanic                      | 40.2                 | 5.3                             | 35.5                      | 2.9                            | 71.1   | 44.3   |
| Hispanic                                 | 47.3                 | 4.9                             | 40.1                      | 2.3                            | 83.2   | 51.9   |
| Asian/Pacific Islander                   | 48.0                 | 5.7                             | 38.4                      | 2.0                            | ‡  | ‡  |
| Parents’ highest education               |                      |                                 |                           |                                |  |  |
| High school diploma or less              | 46.6                 | 6.6                             | 38.3                      | 2.6                            | 79.9   | 62.6   |
| Some postsecondary education             | 49.7                 | 6.6                             | 39.5                      | 2.5                            | 77.3   | 72.5   |
| Bachelor’s degree                        | 46.4                 | 6.4                             | 38.4                      | 2.4                            | 81.2   | 58.4   |
| Advanced degree                          | 48.9                 | 7.5                             | 40.1                      | 2.6                            | 77.5   | 65.1   |
| Age at bachelor’s degree completion      |                      |                                 |                           |                                |  |  |
| 22 or younger                            | 59.2                 | 7.2                             | 48.7                      | 2.6                            | 81.8   | 63.9   |
| 23–24                                    | 49.2                 | 6.0                             | 41.7                      | 2.4                            | 80.4   | 62.2   |
| 25–29                                    | 39.3                 | 5.7                             | 30.4                      | 2.0                            | 77.7   | 71.0   |
| 30 or older                              | 10.5                 | 10.1                            | 7.9                       | 3.1                            | 44.8   | 57.3   |
| Baccalaureate degree major               |                      |                                 |                           |                                |  |  |
| Business and management                  | 37.9                 | 5.1                             | 32.6                      | 2.5                            | 77.1   | 67.8   |
| Education                                | 58.5                 | 8.1                             | 46.1                      | 2.8                            | 85.8   | 69.8   |
| Engineering                              | 35.4                 | 3.4                             | 30.2                      | 1.6                            | ‡  | ‡  |
| Health                                   | 61.6                 | 7.4                             | 52.2                      | 2.7                            | 78.6   | 74.4   |
| Public affairs/social services           | 48.7                 | 5.0                             | 42.3                      | 2.5                            | ‡  | ‡  |
| Humanities                               | 45.7                 | 8.9                             | 30.7                      | 3.1                            | 75.3   | 60.0   |
| Social and behavioral sciences           | 52.5                 | 8.1                             | 43.4                      | 2.5                            | 83.4   | 60.9   |
| Natural sciences and mathematics         | 46.1                 | 4.7                             | 39.2                      | 2.1                            | 64.9   | 53.9   |
| Other                                    | 50.0                 | 7.6                             | 41.0                      | 2.6                            | 79.0   | 62.8   |
| Cumulative undergraduate GPA             |                      |                                 |                           |                                |  |  |
| Less than 2.75                           | 45.7                 | 6.4                             | 37.1                      | 2.4                            | 78.5   | 60.9   |
| 2.75–3.74                                | 53.8                 | 7.2                             | 44.6                      | 2.6                            | 81.2   | 69.9   |
| 3.75 or higher                           | 43.6                 | 7.2                             | 37.1                      | 2.8                            | 73.8   | 66.2   |
| Bachelor’s degree-granting institution   |                      |                                 |                           |                                |  |  |
| Public 4-year                            | 49.9                 | 6.8                             | 41.4                      | 2.5                            | 80.0   | 64.4   |
| Private not-for-profit 4-year            | 43.0                 | 6.9                             | 34.1                      | 2.5                            | 76.4   | 62.9   |
| Other                                    | 40.5                 | 4.8                             | 30.5                      | ‡                              | ‡  | ‡  |

See notes at end of table.

**Table IV.5. Percentage of 1992–93 bachelor’s degree recipients with dependents younger than age 18 who had taken leave from work for childrearing, by selected characteristics: 2003—Continued**

| Selected characteristics                  | Percent taking leave | Length of total leave in months | Percent taking paid leave | Length of paid leave in months | Of those ever out of labor force, percent did so for childrearing <sup>1</sup> | Of those ever worked part time, percent did so for childrearing <sup>2</sup> |
|---|----------------------|---------------------------------|---------------------------|--------------------------------|--|--|
| <b>Highest degree attained as of 2003</b> |                      |                                 |                           |                                |  |  |
| Bachelor’s degree                         | 47.2                 | 7.0                             | 38.6                      | 2.5                            | 83.4   | 67.3   |
| Master’s degree                           | 53.5                 | 6.1                             | 44.1                      | 2.3                            | 73.4   | 60.6   |
| Doctoral/first-professional degree        | 33.1                 | 5.3                             | 26.9                      | 3.5                            | 32.5   | 31.6   |
| <b>Labor force participation</b>          |                      |                                 |                           |                                |  |  |
| Employed, total                           | 46.0                 | 4.6                             | 39.0                      | 2.4                            | 69.8   | 62.5   |
| Full time, one job                        | 42.0                 | 3.7                             | 37.0                      | 2.3                            | 63.7   | 53.8   |
| Part time, one job                        | 72.6                 | 8.0                             | 55.8                      | 3.3                            | 79.0   | 78.8   |
| Multiple jobs                             | 46.9                 | 5.2                             | 36.8                      | 2.0                            | 70.9   | 65.0   |
| Unemployed                                | 49.5                 | 11.4                            | 32.3                      | ‡                              | 92.3   | 45.8   |
| Out of the labor force                    | 61.2                 | 18.6                            | 41.6                      | 3.0                            | 90.5   | 73.0   |
| <b>Type of employer<sup>4</sup></b>       |                      |                                 |                           |                                |  |  |
| Self-employed                             | 39.7                 | 8.1                             | 23.4                      | 3.1                            | 83.9   | 66.9   |
| For-profit                                | 44.2                 | 6.4                             | 37.2                      | 2.4                            | 74.2   | 66.9   |
| Not-for-profit                            | 51.8                 | 7.0                             | 41.7                      | 2.5                            | 80.1   | 57.9   |
| Local/state government                    | 54.6                 | 8.1                             | 45.8                      | 2.5                            | 83.5   | 63.2   |
| Federal government                        | 61.1                 | 4.3                             | 58.4                      | 3.0                            | ‡  | ‡  |
| Military                                  | 41.2                 | ‡                               | 41.2                      | ‡                              | ‡  | ‡  |
| <b>Occupation<sup>4</sup></b>             |                      |                                 |                           |                                |  |  |
| Business and management                   | 45.7                 | 6.3                             | 38.8                      | 2.5                            | 79.5   | 73.0   |
| Education                                 | 56.8                 | 8.6                             | 44.0                      | 2.6                            | 86.7   | 67.6   |
| Health professions                        | 56.4                 | 7.1                             | 45.6                      | 2.6                            | 68.2   | 69.8   |
| Service industries                        | 38.9                 | 6.4                             | 32.1                      | 2.5                            | 89.0   | 59.3   |
| Research, other professional/technical    | 47.2                 | 6.3                             | 40.0                      | 2.7                            | 66.8   | 56.4   |
| Engineering/architecture/computer science | 39.3                 | 3.1                             | 35.1                      | 1.6                            | 73.6   | 45.1   |
| Other                                     | 42.6                 | 7.1                             | 30.3                      | 2.7                            | 79.5   | 51.2   |
| <b>Marital status</b>                     |                      |                                 |                           |                                |  |  |
| Single, never married                     | 34.5                 | ‡                               | 22.7                      | ‡                              | ‡  | ‡  |
| Married or cohabiting                     | 49.2                 | 6.7                             | 40.3                      | 2.5                            | 80.0   | 65.5   |
| Separated/divorced/widowed                | 32.1                 | 6.7                             | 27.0                      | 2.6                            | 52.2   | 48.0   |

‡Reporting standards not met (too few cases).

<sup>1</sup>Of those who had been out of the labor force at any time since 1997.

<sup>2</sup>Of those who had worked part time at any time since 1997.

<sup>3</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>4</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Only includes leave taken since 1997.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table IV.6. Percentage of 1992–93 bachelor’s degree recipients with dependents younger than age 18 who are saving for their children’s education, by selected characteristics: 2003**

| Selected characteristics                 | Any  | Traditional savings account | Money market account | Certificate of deposit | State-sponsored savings plan | Roth IRA | Tuition pre-payment plan | Other |
|--|------|-----------------------------|----------------------|------------------------|------------------------------|----------|--------------------------|-------|
| U.S. total (excluding Puerto Rico)       | 72.8 | 50.3                        | 24.4                 | 11.9                   | 22.1                         | 21.3     | 7.0                      | 30.6  |
| Total (50 states, D.C., and Puerto Rico) | 72.7 | 50.4                        | 24.3                 | 11.9                   | 22.0                         | 21.2     | 6.9                      | 30.7  |
| Gender                                   |      |                             |                      |                        |                              |          |                          |       |
| Male                                     | 73.6 | 49.3                        | 24.3                 | 11.0                   | 24.9                         | 21.2     | 6.3                      | 30.1  |
| Female                                   | 72.0 | 51.3                        | 24.3                 | 12.7                   | 19.5                         | 21.3     | 7.4                      | 31.1  |
| Race/ethnicity <sup>1</sup>              |      |                             |                      |                        |                              |          |                          |       |
| White, non-Hispanic                      | 74.0 | 49.9                        | 25.2                 | 11.6                   | 22.5                         | 21.1     | 6.5                      | 31.0  |
| Black, non-Hispanic                      | 66.6 | 59.5                        | 16.5                 | 10.3                   | 14.7                         | 20.7     | 10.1                     | 30.6  |
| Hispanic                                 | 67.0 | 50.1                        | 18.8                 | 16.3                   | 13.1                         | 22.1     | 12.7                     | 25.4  |
| Asian/Pacific Islander                   | 70.8 | 43.9                        | 23.5                 | 13.3                   | 35.7                         | 29.6     | 3.3                      | 28.5  |
| Parents’ highest education               |      |                             |                      |                        |                              |          |                          |       |
| High school diploma or less              | 68.7 | 55.7                        | 26.3                 | 13.8                   | 20.7                         | 21.9     | 7.0                      | 32.2  |
| Some postsecondary education             | 70.8 | 48.1                        | 23.2                 | 14.1                   | 19.1                         | 22.5     | 9.5                      | 28.8  |
| Bachelor’s degree                        | 75.8 | 48.1                        | 25.0                 | 11.0                   | 24.2                         | 20.3     | 5.6                      | 29.7  |
| Advanced degree                          | 76.6 | 47.2                        | 22.7                 | 8.1                    | 23.3                         | 19.9     | 6.3                      | 33.0  |
| Age at bachelor’s degree completion      |      |                             |                      |                        |                              |          |                          |       |
| 22 or younger                            | 75.3 | 48.5                        | 23.1                 | 11.1                   | 26.6                         | 20.9     | 5.2                      | 30.9  |
| 23–24                                    | 74.1 | 53.5                        | 25.1                 | 12.2                   | 19.0                         | 24.0     | 8.7                      | 27.9  |
| 25–29                                    | 67.8 | 54.8                        | 24.2                 | 15.0                   | 20.7                         | 20.5     | 7.7                      | 32.6  |
| 30 or older                              | 65.6 | 44.5                        | 27.6                 | 10.7                   | 10.3                         | 16.1     | 8.8                      | 34.8  |
| Baccalaureate degree major               |      |                             |                      |                        |                              |          |                          |       |
| Business and management                  | 74.5 | 48.3                        | 24.6                 | 12.8                   | 25.3                         | 20.0     | 7.2                      | 35.7  |
| Education                                | 71.0 | 55.9                        | 23.3                 | 14.2                   | 16.4                         | 24.4     | 6.1                      | 25.3  |
| Engineering                              | 74.1 | 47.4                        | 24.1                 | 6.3                    | 29.0                         | 20.7     | 6.0                      | 38.4  |
| Health                                   | 71.2 | 50.7                        | 35.9                 | 8.6                    | 18.9                         | 24.5     | 10.5                     | 25.1  |
| Public affairs/social services           | 70.2 | 52.6                        | 21.6                 | 14.0                   | 15.5                         | 21.2     | 21.1                     | 24.9  |
| Humanities                               | 68.9 | 48.3                        | 24.3                 | 10.2                   | 19.2                         | 16.4     | 2.1                      | 31.5  |
| Social and behavioral sciences           | 77.9 | 50.1                        | 21.4                 | 10.2                   | 20.7                         | 23.2     | 6.7                      | 27.3  |
| Natural sciences and mathematics         | 64.7 | 47.7                        | 22.0                 | 14.1                   | 25.3                         | 18.4     | 4.8                      | 33.2  |
| Other                                    | 75.7 | 51.8                        | 23.7                 | 13.3                   | 22.7                         | 21.2     | 6.8                      | 29.3  |
| Cumulative undergraduate GPA             |      |                             |                      |                        |                              |          |                          |       |
| Less than 2.75                           | 73.5 | 53.6                        | 23.2                 | 11.6                   | 20.5                         | 21.8     | 7.5                      | 29.6  |
| 2.75–3.74                                | 71.3 | 44.9                        | 27.7                 | 12.8                   | 22.4                         | 21.0     | 5.8                      | 32.2  |
| 3.75 or higher                           | 71.1 | 50.1                        | 21.7                 | 11.4                   | 31.0                         | 19.6     | 7.3                      | 30.6  |
| Bachelor’s degree-granting institution   |      |                             |                      |                        |                              |          |                          |       |
| Public 4-year                            | 73.6 | 51.6                        | 22.9                 | 12.7                   | 21.4                         | 22.0     | 7.4                      | 29.8  |
| Private not-for-profit 4-year            | 68.9 | 48.5                        | 26.5                 | 10.3                   | 23.8                         | 19.6     | 5.0                      | 31.4  |
| Other                                    | 89.8 | 39.8                        | 36.0                 | 8.7                    | 18.6                         | 17.3     | 12.9                     | 44.4  |

See notes at end of table.

**Table IV.6. Percentage of 1992–93 bachelor’s degree recipients with dependents younger than age 18 who are saving for their children’s education, by selected characteristics: 2003—Continued**

| Selected characteristics                      | Any  | Traditional savings account | Money market account | Certificate of deposit | State-sponsored savings plan | Roth IRA | Tuition pre-payment plan | Other |
|---|------|-----------------------------|----------------------|------------------------|------------------------------|----------|--------------------------|-------|
| <b>Highest degree attained as of 2003</b>     |      |                             |                      |                        |                              |          |                          |       |
| Bachelor’s degree                             | 73.0 | 51.2                        | 24.5                 | 13.0                   | 20.4                         | 21.2     | 6.8                      | 32.2  |
| Master’s degree                               | 73.3 | 49.5                        | 25.5                 | 8.6                    | 25.9                         | 22.7     | 6.6                      | 25.3  |
| Doctoral/first-professional degree            | 66.3 | 38.4                        | 15.6                 | 6.9                    | 34.0                         | 15.4     | 10.8                     | 26.4  |
| <b>Labor force participation</b>              |      |                             |                      |                        |                              |          |                          |       |
| Employed, total                               | 72.9 | 51.5                        | 23.8                 | 12.1                   | 22.2                         | 20.5     | 6.9                      | 30.2  |
| Full time, one job                            | 72.1 | 51.2                        | 22.8                 | 12.4                   | 22.7                         | 20.2     | 6.8                      | 29.6  |
| Part time, one job                            | 76.9 | 50.5                        | 26.4                 | 9.6                    | 25.1                         | 21.9     | 7.1                      | 31.6  |
| Multiple jobs                                 | 74.6 | 55.9                        | 28.0                 | 13.3                   | 14.4                         | 21.2     | 7.2                      | 33.3  |
| Unemployed                                    | 62.7 | 46.1                        | 38.4                 | 8.0                    | 16.6                         | 24.1     | 10.7                     | 31.7  |
| Out of the labor force                        | 73.9 | 43.9                        | 24.7                 | 11.3                   | 21.6                         | 25.2     | 6.7                      | 33.2  |
| <b>Type of employer<sup>2</sup></b>           |      |                             |                      |                        |                              |          |                          |       |
| Self-employed                                 | 73.8 | 43.7                        | 20.9                 | 11.1                   | 20.6                         | 28.2     | 4.2                      | 36.1  |
| For-profit                                    | 76.3 | 48.3                        | 26.4                 | 11.1                   | 26.2                         | 19.7     | 7.0                      | 33.7  |
| Not-for-profit                                | 66.8 | 47.2                        | 20.8                 | 11.9                   | 20.2                         | 17.8     | 7.0                      | 28.3  |
| Local/state government                        | 67.7 | 60.3                        | 17.6                 | 14.0                   | 15.9                         | 21.5     | 7.7                      | 24.8  |
| Federal government                            | 68.3 | 41.1                        | 28.4                 | 12.5                   | 14.7                         | 29.3     | 10.1                     | 25.5  |
| Military                                      | 77.0 | 57.8                        | 20.6                 | 5.4                    | 7.2                          | 37.2     | 10.4                     | 23.0  |
| <b>Occupation<sup>2</sup></b>                 |      |                             |                      |                        |                              |          |                          |       |
| Business and management                       | 79.8 | 45.5                        | 26.2                 | 11.6                   | 26.1                         | 20.7     | 7.0                      | 35.5  |
| Education                                     | 69.0 | 61.2                        | 22.7                 | 15.0                   | 15.9                         | 21.5     | 7.4                      | 23.2  |
| Health professions                            | 66.1 | 43.6                        | 23.2                 | 7.9                    | 28.1                         | 20.9     | 9.7                      | 27.9  |
| Service industries                            | 77.5 | 53.3                        | 28.3                 | 12.6                   | 14.6                         | 22.4     | 7.9                      | 31.5  |
| Research, other professional/<br>technical    | 67.8 | 48.1                        | 22.3                 | 10.6                   | 21.0                         | 17.6     | 5.7                      | 31.3  |
| Engineering/architecture/<br>computer science | 74.6 | 50.2                        | 21.2                 | 10.6                   | 31.2                         | 23.8     | 5.5                      | 32.1  |
| Other   | 62.0 | 60.4                        | 18.8                 | 15.9                   | 11.3                         | 21.1     | 5.8                      | 21.8  |
| <b>Marital status</b>                         |      |                             |                      |                        |                              |          |                          |       |
| Single, never married                         | 59.5 | 59.8                        | 19.5                 | 11.5                   | 8.7                          | 12.7     | #                        | 36.0  |
| Married or cohabiting                         | 73.8 | 49.5                        | 24.8                 | 12.0                   | 22.8                         | 21.6     | 6.5                      | 30.6  |
| Separated/divorced/widowed                    | 61.1 | 63.4                        | 15.9                 | 11.3                   | 11.5                         | 18.1     | 15.9                     | 30.6  |

#Rounds to zero.

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table IV.7. Percentage distribution of 1992–93 bachelor’s degree recipients’ home ownership, by selected characteristics: 2003**

| Selected characteristics                 | Own  | Rent | Neither |
|--|------|------|---------|
| U.S. total (excluding Puerto Rico)       | 74.4 | 21.7 | 3.9     |
| Total (50 states, D.C., and Puerto Rico) | 74.4 | 21.6 | 3.9     |
| Gender                                   |      |      |         |
| Male                                     | 74.4 | 21.6 | 4.0     |
| Female                                   | 74.6 | 21.6 | 3.9     |
| Race/ethnicity <sup>1</sup>              |      |      |         |
| White, non-Hispanic                      | 76.9 | 19.7 | 3.4     |
| Black, non-Hispanic                      | 58.6 | 36.3 | 5.1     |
| Hispanic                                 | 73.6 | 21.7 | 4.7     |
| Asian/Pacific Islander                   | 53.1 | 36.6 | 10.4    |
| Parents’ highest education               |      |      |         |
| High school diploma or less              | 76.8 | 18.9 | 4.3     |
| Some postsecondary education             | 78.6 | 18.9 | 2.6     |
| Bachelor’s degree                        | 73.8 | 22.1 | 4.1     |
| Advanced degree                          | 69.8 | 26.2 | 4.0     |
| Age at bachelor’s degree completion      |      |      |         |
| 22 or younger                            | 70.8 | 25.0 | 4.2     |
| 23–24                                    | 73.2 | 22.8 | 4.0     |
| 25–29                                    | 79.0 | 17.1 | 3.9     |
| 30 or older                              | 84.5 | 12.5 | 3.1     |
| Baccalaureate degree major               |      |      |         |
| Business and management                  | 80.1 | 16.4 | 3.5     |
| Education                                | 78.4 | 18.2 | 3.5     |
| Engineering                              | 86.2 | 11.9 | 1.9     |
| Health                                   | 82.7 | 15.4 | 2.0     |
| Public affairs/social services           | 68.2 | 29.6 | 2.1     |
| Humanities                               | 57.6 | 35.1 | 7.3     |
| Social and behavioral sciences           | 68.1 | 27.8 | 4.1     |
| Natural sciences and mathematics         | 72.5 | 22.1 | 5.5     |
| Other                                    | 74.1 | 22.3 | 3.7     |
| Cumulative undergraduate GPA             |      |      |         |
| Less than 2.75                           | 73.5 | 22.3 | 4.2     |
| 2.75–3.74                                | 74.9 | 21.7 | 3.4     |
| 3.75 or higher                           | 80.9 | 16.2 | 3.0     |
| Bachelor’s degree-granting institution   |      |      |         |
| Public 4-year                            | 76.8 | 20.0 | 3.3     |
| Private not-for-profit 4-year            | 70.1 | 24.7 | 5.2     |
| Other                                    | 69.0 | 25.8 | 5.2     |

See notes at end of table.

**Table IV.7. Percentage distribution of 1992–93 bachelor’s degree recipients’ home ownership, by selected characteristics: 2003—Continued**

| Selected characteristics                      | Own  | Rent | Neither |
|---|------|------|---------|
| Highest degree attained as of 2003            |      |      |         |
| Bachelor’s degree                             | 76.2 | 20.1 | 3.7     |
| Master’s degree                               | 72.4 | 23.1 | 4.6     |
| Doctoral/first-professional degree            | 58.7 | 36.1 | 5.2     |
| Labor force participation                     |      |      |         |
| Employed, total                               | 74.8 | 21.6 | 3.7     |
| Full time, one job                            | 75.5 | 21.2 | 3.3     |
| Part time, one job                            | 75.3 | 20.3 | 4.4     |
| Multiple jobs                                 | 68.8 | 25.4 | 5.8     |
| Unemployed                                    | 47.1 | 40.4 | 12.5    |
| Out of the labor force                        | 82.6 | 14.3 | 3.1     |
| Type of employer <sup>2</sup>                 |      |      |         |
| Self-employed                                 | 74.2 | 19.2 | 6.5     |
| For-profit                                    | 75.0 | 22.0 | 2.9     |
| Not-for-profit                                | 70.7 | 23.7 | 5.6     |
| Local/state government                        | 75.6 | 21.3 | 3.1     |
| Federal government                            | 77.5 | 19.0 | 3.5     |
| Military                                      | 58.9 | 32.6 | 8.5     |
| Occupation <sup>2</sup>                       |      |      |         |
| Business and management                       | 79.6 | 18.1 | 2.4     |
| Education                                     | 75.1 | 20.8 | 4.1     |
| Health professions                            | 74.7 | 20.8 | 4.6     |
| Service industries                            | 72.4 | 23.8 | 3.8     |
| Research, other professional/<br>technical    | 67.1 | 27.3 | 5.5     |
| Engineering/architecture/<br>computer science | 81.2 | 16.4 | 2.4     |
| Other   | 61.1 | 31.2 | 7.7     |
| Marital status                                |      |      |         |
| Single, never married                         | 39.5 | 49.9 | 10.6    |
| Married or cohabiting                         | 86.0 | 12.1 | 1.9     |
| Separated/divorced/widowed                    | 57.5 | 37.1 | 5.4     |
| Number of dependents under age 18             |      |      |         |
| None  | 60.3 | 33.6 | 6.1     |
| One or more                                   | 87.7 | 10.3 | 2.0     |

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).



**Table IV.8. Percentage distribution of 1992–93 bachelor’s degree recipients’ region of current residence and percentage living in same state as bachelor’s degree-granting institution and home state, by selected characteristics: 2003**

| Selected characteristics                 | Region of current residence |         |       |      |                          | Same state as          |            |
|--|-----------------------------|---------|-------|------|--------------------------|------------------------|------------|
|  | Northeast                   | Midwest | South | West | Outlying areas/<br>other | Bachelor’s institution | Home state |
| U.S. total (excluding Puerto Rico)       | 22.9                        | 23.0    | 35.1  | 18.3 | 0.8                      | 61.4                   | 67.3       |
| Total (50 states, D.C., and Puerto Rico) | 22.7                        | 23.0    | 34.9  | 18.2 | 1.2                      | 61.4                   | 67.3       |
| Gender                                   |                             |         |       |      |                          |                        |            |
| Male                                     | 21.9                        | 23.6    | 35.3  | 18.1 | 1.1                      | 59.3                   | 66.1       |
| Female                                   | 23.4                        | 22.5    | 34.6  | 18.3 | 1.3                      | 63.3                   | 68.3       |
| Race/ethnicity <sup>1</sup>              |                             |         |       |      |                          |                        |            |
| White, non-Hispanic                      | 22.6                        | 25.4    | 34.6  | 16.9 | 0.6                      | 61.4                   | 67.2       |
| Black, non-Hispanic                      | 28.4                        | 13.9    | 48.5  | 8.7  | 0.4                      | 54.4                   | 64.8       |
| Hispanic                                 | 20.2                        | 5.2     | 42.4  | 23.3 | 9.0                      | 69.2                   | 70.8       |
| Asian/Pacific Islander                   | 20.6                        | 11.9    | 17.5  | 47.7 | 2.4                      | 64.0                   | 69.4       |
| Parents’ highest education               |                             |         |       |      |                          |                        |            |
| High school diploma or less              | 22.5                        | 26.8    | 34.8  | 14.6 | 1.3                      | 70.1                   | 74.6       |
| Some postsecondary education             | 19.0                        | 24.7    | 39.0  | 16.6 | 0.8                      | 62.3                   | 67.6       |
| Bachelor’s degree                        | 21.8                        | 18.8    | 37.3  | 21.2 | 1.0                      | 58.7                   | 65.8       |
| Advanced degree                          | 26.2                        | 21.6    | 31.3  | 19.8 | 1.2                      | 51.3                   | 59.0       |
| Age at bachelor’s degree completion      |                             |         |       |      |                          |                        |            |
| 22 or younger                            | 27.6                        | 22.6    | 32.5  | 16.2 | 1.1                      | 52.2                   | 60.3       |
| 23–24                                    | 16.6                        | 23.1    | 39.0  | 19.9 | 1.4                      | 65.5                   | 68.1       |
| 25–29                                    | 18.7                        | 22.6    | 35.9  | 21.1 | 1.9                      | 71.4                   | 74.7       |
| 30 or older                              | 20.6                        | 24.3    | 35.1  | 19.5 | 0.5                      | 76.3                   | 82.0       |
| Baccalaureate degree major               |                             |         |       |      |                          |                        |            |
| Business and management                  | 18.7                        | 26.3    | 39.5  | 14.2 | 1.2                      | 65.6                   | 71.7       |
| Education                                | 22.5                        | 26.7    | 36.5  | 13.3 | 1.1                      | 64.7                   | 72.6       |
| Engineering                              | 20.9                        | 20.7    | 35.1  | 22.5 | 0.7                      | 71.0                   | 75.2       |
| Health                                   | 21.8                        | 21.5    | 40.7  | 15.5 | 0.7                      | 62.7                   | 66.8       |
| Public affairs/social services           | 25.3                        | 23.3    | 29.6  | 19.2 | 2.6                      | 55.9                   | 61.3       |
| Humanities                               | 29.1                        | 14.3    | 30.9  | 24.1 | 1.7                      | 54.5                   | 60.0       |
| Social and behavioral sciences           | 25.7                        | 21.1    | 33.0  | 19.4 | 0.9                      | 59.8                   | 64.7       |
| Natural sciences and mathematics         | 22.2                        | 23.6    | 33.9  | 18.2 | 2.1                      | 56.9                   | 62.9       |
| Other                                    | 23.0                        | 23.8    | 30.3  | 22.3 | 0.6                      | 59.5                   | 65.5       |
| Cumulative undergraduate GPA             |                             |         |       |      |                          |                        |            |
| Less than 2.75                           | 22.5                        | 22.9    | 37.5  | 16.0 | 1.2                      | 62.9                   | 68.4       |
| 2.75–3.74                                | 21.8                        | 23.1    | 32.7  | 21.0 | 1.4                      | 58.6                   | 64.7       |
| 3.75 or higher                           | 25.2                        | 22.4    | 32.5  | 19.4 | 0.5                      | 62.2                   | 68.1       |
| Bachelor’s degree-granting institution   |                             |         |       |      |                          |                        |            |
| Public 4-year                            | 17.5                        | 23.6    | 39.2  | 18.8 | 0.9                      | 65.4                   | 68.7       |
| Private not-for-profit 4-year            | 35.2                        | 21.0    | 26.9  | 15.2 | 1.8                      | 53.4                   | 64.1       |
| Other                                    | 6.8                         | 30.2    | 26.8  | 35.4 | 0.9                      | 60.2                   | 70.1       |

See notes at end of table.

**Table IV.8. Percentage distribution of 1992–93 bachelor’s degree recipients’ region of current residence and percentage living in same state as bachelor’s degree-granting institution and home state, by selected characteristics: 2003—Continued**

| Selected characteristics                      | Region of current residence |         |       |      |                          | Same state as          |            |
|---|-----------------------------|---------|-------|------|--------------------------|------------------------|------------|
|   | Northeast                   | Midwest | South | West | Outlying areas/<br>other | Bachelor’s institution | Home state |
| Highest degree attained as of 2003            |                             |         |       |      |                          |                        |            |
| Bachelor’s degree                             | 21.4                        | 23.6    | 35.6  | 18.3 | 1.1                      | 64.1                   | 69.5       |
| Master’s degree                               | 26.0                        | 21.5    | 33.0  | 18.1 | 1.4                      | 58.7                   | 64.6       |
| Doctoral/first-professional degree            | 28.6                        | 19.4    | 33.3  | 17.4 | 1.4                      | 37.6                   | 46.6       |
| Labor force participation                     |                             |         |       |      |                          |                        |            |
| Employed, total                               | 22.7                        | 23.6    | 34.9  | 17.7 | 1.1                      | 62.1                   | 68.1       |
| Full time, one job                            | 22.3                        | 23.6    | 35.2  | 18.0 | 1.0                      | 61.7                   | 67.5       |
| Part time, one job                            | 24.6                        | 24.2    | 33.1  | 15.7 | 2.3                      | 62.8                   | 69.8       |
| Multiple jobs                                 | 24.2                        | 23.3    | 34.2  | 17.6 | 0.8                      | 65.3                   | 70.7       |
| Unemployed                                    | 23.0                        | 16.5    | 34.3  | 24.5 | 1.7                      | 57.6                   | 62.4       |
| Out of the labor force                        | 22.8                        | 19.8    | 35.6  | 20.0 | 1.9                      | 56.2                   | 61.3       |
| Type of employer <sup>2</sup>                 |                             |         |       |      |                          |                        |            |
| Self-employed                                 | 20.4                        | 19.8    | 36.2  | 22.7 | 1.0                      | 58.3                   | 65.5       |
| For-profit                                    | 23.0                        | 24.5    | 34.0  | 17.2 | 1.2                      | 58.9                   | 65.4       |
| Not-for-profit                                | 26.2                        | 21.2    | 34.6  | 16.9 | 1.2                      | 58.3                   | 65.2       |
| Local/state government                        | 17.7                        | 24.1    | 34.4  | 23.2 | 0.7                      | 71.2                   | 75.3       |
| Federal government                            | 32.7                        | 12.6    | 37.7  | 15.6 | 1.4                      | 56.8                   | 53.9       |
| Military                                      | 5.4                         | 7.5     | 62.9  | 20.1 | 4.1                      | 31.3                   | 41.9       |
| Occupation <sup>2</sup>                       |                             |         |       |      |                          |                        |            |
| Business and management                       | 22.9                        | 25.7    | 33.7  | 16.7 | 0.9                      | 61.3                   | 69.2       |
| Education                                     | 22.6                        | 23.5    | 35.8  | 17.1 | 1.0                      | 69.2                   | 73.1       |
| Health professions                            | 22.5                        | 20.4    | 39.5  | 16.9 | 0.7                      | 56.2                   | 61.5       |
| Service industries                            | 20.0                        | 26.4    | 35.3  | 17.2 | 1.1                      | 60.7                   | 64.6       |
| Research, other professional/<br>technical    | 26.2                        | 18.7    | 34.0  | 19.8 | 1.3                      | 56.9                   | 63.2       |
| Engineering/architecture/<br>computer science | 21.6                        | 24.6    | 30.8  | 22.3 | 0.7                      | 61.5                   | 68.2       |
| Other   | 19.7                        | 17.3    | 39.0  | 20.6 | 3.4                      | 63.1                   | 67.3       |
| Marital status                                |                             |         |       |      |                          |                        |            |
| Single, never married                         | 28.8                        | 20.2    | 29.1  | 20.1 | 1.9                      | 56.1                   | 63.8       |
| Married or cohabiting                         | 21.5                        | 23.8    | 36.0  | 17.8 | 0.9                      | 61.7                   | 67.5       |
| Separated/divorced/widowed                    | 18.7                        | 22.3    | 40.2  | 17.0 | 1.9                      | 73.5                   | 74.3       |
| Number of dependents under age 18             |                             |         |       |      |                          |                        |            |
| None  | 26.1                        | 21.0    | 30.6  | 21.0 | 1.3                      | 58.6                   | 64.4       |
| One or more                                   | 19.6                        | 24.8    | 39.0  | 15.5 | 1.1                      | 64.1                   | 69.9       |

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

## Section V: Civic Participation

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**Table V.1**

- Ten years after graduation, Asian bachelor's degree recipients were less likely than Black or White bachelor's degree recipients to have volunteered in the past year (37 vs. 47 and 48 percent, respectively). While they appeared to have been less likely to volunteer than Hispanic graduates (45 percent) as well, the difference was not statistically significant.
- In 2003, 1992–93 college graduates who earned higher GPAs as undergraduates were more likely than their peers with lower GPAs to have participated in community service within the past year. Among volunteers, GPA was also directly related to education-related volunteer work. Fifty-two percent of students with a GPA of 3.75 or higher had volunteered in the past year, compared with 44 percent of those with a GPA below 2.75.
- As of 2003, 1992–93 bachelor's degree recipients who took more than 6 years to complete a bachelor's degree were more likely than those who took less time to have volunteered in the past year (53 vs. 45 percent). In addition, among those who had volunteered, those who took more than 6 years also were more likely than those completing in less time to have participated in community service activities related to education or religious institutions.
- Among graduates who reported doing community service, a greater proportion of those who were not enrolled in any postsecondary education in 2003 had volunteered for fundraising than those who were currently enrolled.
- Compared with bachelor's degree recipients, those 1992–93 graduates who held a master's, doctoral, or first-professional degree were more likely to report having volunteered for education-related activities in the past year.

**Table V.2**

- Among 1992–93 graduates who had volunteered in the past year, 8 percent had done so daily, 34 percent had done so weekly, and 29 percent had done so monthly. For 2 percent, the volunteer activity had been a one-time event.
- Overall, older graduates had volunteered more total hours in the past year than their younger peers. While 1992–93 college graduates who were age 22 or younger when they received a bachelor's degree had volunteered an average total of about 115 hours in the previous year, those who graduated at age 30 or older had volunteered about 234 hours.
- Among 1992–93 bachelor's degree recipients who had volunteered in the past year as of 2003, those who took 4 years or less to complete a bachelor's degree had volunteered an es-

estimated 116 hours, while those who took more than 6 years to complete a bachelor's degree had volunteered 187 hours.

- College graduates who were enrolled in school in 2003 were less likely than those not enrolled to have volunteered on a weekly basis. For graduates who were not currently enrolled, 35 percent had volunteered weekly, compared with 28 percent of those who were currently enrolled.

### **Table V.3**

- College graduates whose baccalaureate major was in the natural sciences or mathematics were less likely than others (except those in public affairs) to have voted in the 2002 elections (68 vs. 75–79 percent). However, those who majored in engineering were less likely than others (except those in public affairs) to have attended political events in the past year as of 2003 (9 vs. 13–22 percent).
- Among 1992–93 bachelor's degree recipients, those who had a GPA of 3.75 or higher were more likely than those with a GPA below 2.75 to have voted in the 2002 election (81 vs. 75 percent).
- Compared with graduates who took 4 years or less to complete a bachelor's degree, those who took more than 6 years to complete were more likely to have voted in 2002 (84 vs. 72 percent). Those who earned a bachelor's degree in 5–6 years were less likely than others to have attended a political event in the past year.
- Ten years after college completion, 1992–93 bachelor's degree recipients who were married or cohabiting were more likely than others to have voted in 2002 (78 vs. 71 percent).
- While graduates with children in 2003 were more likely to have voted in 2002 (78 vs. 74 percent), they were less likely to have attended political events in the past year (13 vs. 17 percent).

### **Table V.4**

- About one-fourth (26 percent) of 1992–93 bachelor's degree recipients reported in 2003 that they had written an e-mail to a public official to express an opinion in the last 2 years. Smaller proportions had sent a letter (16 percent) or made a telephone call (12 percent). Women were slightly more likely than men to have written a letter (18 vs. 15 percent).
- As of 2003, White graduates were more likely than Asian and Hispanic graduates to have written a letter to a public official. Furthermore, 27 percent of White students had written an e-mail to a public official, compared with 18 percent of Asian graduates and 17 percent of Black graduates.
- Ten years later, older 1992–93 bachelor's degree recipients were more likely than their younger peers to have contacted a public official in the past 2 years, particularly by letter or e-mail. Twenty-six percent of college graduates in the oldest age group had written a letter in the past 2 years, compared with 14–15 percent of graduates who were younger.

- Among 1992–93 bachelor’s degree recipients, those who majored in humanities were more likely than those who majored in other fields (with the exception of social and behavioral sciences) to have written an e-mail to a public official. About one-third (35 percent) of humanities majors had sent an e-mail to a public official, compared with 20–26 percent of other majors.
- The higher their undergraduate GPA, the more likely bachelor’s degree holders were to have written a letter or e-mail to a public official in the past 2 years. For example, among graduates with a GPA of 3.75 or higher, 32 percent had written an e-mail and 24 percent had written a letter, compared with 23 and 14 percent, respectively, of graduates whose GPA was below 2.75.
- Ten years after completing college, graduates who worked in multiple jobs were more likely than those who were employed full time in one job or those who were out of the labor force to have contacted a public official by letter, e-mail, or telephone within the past 2 years.
- Generally, college graduates who were employed by for-profit companies were less likely than those who were self-employed, working for not-for-profit organizations, or employed by local and state governments to have contacted a public official via a phone call or a written letter. However, individuals in the for-profit sector were more likely than those employed by the military to have written an e-mail or made a phone call to a public official. One-fourth of those employed by for-profit organizations had written an e-mail to a public official, compared with 12 percent of those employed by the military. Graduates employed by the federal government were less likely than those who were self-employed or worked for a local or state government to have made a phone call to a public official.

**Table V.1. Percentage of 1992–93 bachelor’s degree recipients who participated in community service in the past year, and of those, percentage doing various types of service, by selected characteristics: 2003**

| Selected characteristics                 | Percent of volunteers in various areas |                   |                      |             |                                  |                       |
|--|--|-------------------|----------------------|-------------|----------------------------------|-----------------------|
|  | Any                                    | Education-related | Other work with kids | Fundraising | Poverty/neighborhood improvement | Religious institution |
| U.S. total (excluding Puerto Rico)       | 47.0                                   | 31.6              | 29.9                 | 38.7        | 26.5                             | 44.3                  |
| Total (50 states, D.C., and Puerto Rico) | 46.9                                   | 31.6              | 29.9                 | 38.7        | 26.5                             | 44.4                  |
| Gender                                   |  |                   |                      |             |                                  |                       |
| Male                                     | 43.0                                   | 24.6              | 34.1                 | 37.7        | 31.1                             | 41.2                  |
| Female                                   | 50.1                                   | 36.5              | 26.9                 | 39.4        | 23.2                             | 46.7                  |
| Race/ethnicity <sup>1</sup>              |  |                   |                      |             |                                  |                       |
| White, non-Hispanic                      | 47.5                                   | 30.3              | 30.0                 | 39.4        | 26.5                             | 44.3                  |
| Black, non-Hispanic                      | 46.7                                   | 44.3              | 37.0                 | 40.1        | 32.0                             | 53.0                  |
| Hispanic                                 | 45.3                                   | 34.8              | 24.7                 | 32.2        | 26.0                             | 33.1                  |
| Asian/Pacific Islander                   | 36.9                                   | 31.2              | 24.3                 | 27.6        | 20.4                             | 51.5                  |
| Parents’ highest education               |  |                   |                      |             |                                  |                       |
| High school diploma or less              | 45.7                                   | 34.0              | 29.0                 | 39.6        | 27.3                             | 47.5                  |
| Some postsecondary education             | 47.3                                   | 32.7              | 36.4                 | 42.0        | 25.3                             | 46.4                  |
| Bachelor’s degree                        | 46.1                                   | 28.3              | 28.1                 | 36.7        | 25.2                             | 40.3                  |
| Advanced degree                          | 48.6                                   | 30.4              | 27.5                 | 37.2        | 29.2                             | 43.8                  |
| Age at bachelor’s degree completion      |  |                   |                      |             |                                  |                       |
| 22 or younger                            | 46.0                                   | 29.4              | 27.1                 | 38.6        | 26.1                             | 41.3                  |
| 23–24                                    | 41.7                                   | 29.9              | 33.8                 | 36.4        | 28.5                             | 43.0                  |
| 25–29                                    | 51.0                                   | 32.8              | 35.4                 | 41.1        | 24.8                             | 48.6                  |
| 30 or older                              | 55.0                                   | 38.7              | 28.6                 | 40.1        | 26.0                             | 51.3                  |
| Baccalaureate degree major               |  |                   |                      |             |                                  |                       |
| Business and management                  | 48.2                                   | 23.3              | 30.5                 | 39.7        | 26.3                             | 45.7                  |
| Education                                | 50.8                                   | 46.3              | 31.9                 | 40.1        | 25.2                             | 56.5                  |
| Engineering                              | 35.4                                   | 20.6              | 28.0                 | 32.2        | 33.9                             | 42.5                  |
| Health                                   | 48.1                                   | 30.1              | 27.9                 | 42.7        | 25.4                             | 47.1                  |
| Public affairs/social services           | 45.0                                   | 32.0              | 43.9                 | 38.3        | 48.2                             | 38.5                  |
| Humanities                               | 48.0                                   | 31.4              | 27.4                 | 33.9        | 25.2                             | 43.1                  |
| Social and behavioral sciences           | 47.6                                   | 32.5              | 27.4                 | 41.6        | 26.7                             | 34.3                  |
| Natural sciences and mathematics         | 42.3                                   | 35.6              | 27.4                 | 35.6        | 24.3                             | 45.7                  |
| Other                                    | 48.3                                   | 31.9              | 31.3                 | 38.8        | 23.3                             | 40.7                  |
| Cumulative undergraduate GPA             |  |                   |                      |             |                                  |                       |
| Less than 2.75                           | 44.2                                   | 28.6              | 32.3                 | 39.7        | 27.2                             | 42.7                  |
| 2.75–3.74                                | 50.6                                   | 35.4              | 26.9                 | 37.6        | 26.4                             | 44.6                  |
| 3.75 or higher                           | 51.9                                   | 36.0              | 27.4                 | 37.4        | 25.6                             | 52.0                  |

See notes at end of table.

**Table V.1. Percentage of 1992–93 bachelor’s degree recipients who participated in community service in the past year, and of those, percentage doing various types of service, by selected characteristics: 2003—Continued**

| Selected characteristics                                | Percent of volunteers in various areas |                   |                      |             |                                  |                       |
|---|--|-------------------|----------------------|-------------|----------------------------------|-----------------------|
|   | Any                                    | Education-related | Other work with kids | Fundraising | Poverty/neighborhood improvement | Religious institution |
| <b>Time between college entry and bachelor’s degree</b> |  |                   |                      |             |                                  |                       |
| 4 years or less   | 44.8                                   | 29.1              | 27.5                 | 37.0        | 23.9                             | 39.0                  |
| 5–6 years   | 44.6                                   | 30.6              | 30.5                 | 39.2        | 29.6                             | 44.6                  |
| More than 6 years                                       | 53.4                                   | 36.0              | 31.9                 | 40.1        | 25.8                             | 50.4                  |
| <b>Enrollment status in 2003</b>                        |  |                   |                      |             |                                  |                       |
| Not currently enrolled                                  | 46.6                                   | 31.5              | 30.0                 | 39.5        | 26.4                             | 45.0                  |
| Currently enrolled                                      | 49.6                                   | 32.4              | 29.0                 | 30.1        | 27.3                             | 37.5                  |
| <b>Highest degree attained as of 2003</b>               |  |                   |                      |             |                                  |                       |
| Bachelor’s degree                                       | 46.2                                   | 28.9              | 30.5                 | 40.1        | 27.4                             | 45.0                  |
| Master’s degree   | 49.6                                   | 37.6              | 30.1                 | 36.1        | 25.5                             | 43.6                  |
| Doctoral/first-professional degree                      | 46.6                                   | 43.7              | 21.6                 | 30.1        | 17.8                             | 38.6                  |
| <b>Labor force participation</b>                        |  |                   |                      |             |                                  |                       |
| Employed, total   | 46.5                                   | 30.8              | 30.4                 | 39.0        | 27.3                             | 43.4                  |
| Full time, one job                                      | 45.5                                   | 29.2              | 30.4                 | 38.8        | 27.4                             | 42.8                  |
| Part time, one job                                      | 48.7                                   | 35.5              | 24.3                 | 34.7        | 22.1                             | 46.9                  |
| Multiple jobs   | 52.0                                   | 37.6              | 35.6                 | 44.0        | 31.2                             | 44.2                  |
| Unemployed  | 37.9                                   | 33.9              | 34.0                 | 46.9        | 28.9                             | 42.8                  |
| Out of the labor force                                  | 54.7                                   | 38.0              | 24.2                 | 33.6        | 18.6                             | 53.0                  |
| <b>Type of employer<sup>2</sup></b>                     |  |                   |                      |             |                                  |                       |
| Self-employed   | 48.7                                   | 29.1              | 33.2                 | 46.1        | 23.8                             | 43.6                  |
| For-profit  | 41.8                                   | 22.7              | 27.7                 | 38.9        | 27.4                             | 39.8                  |
| Not-for-profit  | 51.2                                   | 30.7              | 27.3                 | 36.3        | 28.3                             | 45.3                  |
| Local/state government                                  | 52.8                                   | 36.7              | 27.1                 | 35.6        | 23.8                             | 43.6                  |
| Federal government                                      | 43.0                                   | 31.6              | 22.3                 | 35.7        | 28.2                             | 43.3                  |
| Military  | 52.9                                   | 16.7              | 40.6                 | 32.2        | 22.1                             | 38.1                  |
| <b>Marital status</b>                                   |  |                   |                      |             |                                  |                       |
| Single, never married                                   | 44.9                                   | 29.2              | 23.2                 | 35.4        | 26.4                             | 27.2                  |
| Married or cohabiting                                   | 47.5                                   | 32.0              | 31.0                 | 39.4        | 26.3                             | 49.2                  |
| Separated/divorced/widowed                              | 46.3                                   | 34.3              | 36.6                 | 40.1        | 27.8                             | 40.6                  |
| <b>Number of dependents under age 18</b>                |  |                   |                      |             |                                  |                       |
| None  | 45.5                                   | 29.4              | 23.4                 | 36.9        | 27.6                             | 32.8                  |
| One or more   | 48.2                                   | 33.6              | 35.8                 | 40.2        | 25.4                             | 54.8                  |

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Types of service are not mutually exclusive; volunteers could participate in multiple activities.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table V.2. Level of participation in community service for 1992–93 bachelor’s degree recipients who volunteered in the past year, by selected characteristics: 2003**

| Selected characteristics                 | Percentage distribution by frequency of volunteer work |                        |         |        |       | Average total volunteer hours in past year |
|--|--|------------------------|---------|--------|-------|--|
|  | One-time event   | Less than once a month | Monthly | Weekly | Daily |  |
| U.S. total (excluding Puerto Rico)       | 1.8  | 27.3                   | 29.0    | 34.1   | 7.7   | 147  |
| Total (50 states, D.C., and Puerto Rico) | 1.8  | 27.3                   | 29.0    | 34.1   | 7.8   | 148  |
| Gender                                   |  |                        |         |        |       |  |
| Male                                     | 2.2  | 22.4                   | 29.2    | 35.8   | 10.5  | 150  |
| Female                                   | 1.6  | 30.9                   | 28.8    | 32.9   | 5.9   | 146  |
| Race/ethnicity <sup>1</sup>              |  |                        |         |        |       |  |
| White, non-Hispanic                      | 1.9  | 27.0                   | 28.5    | 35.1   | 7.6   | 133  |
| Black, non-Hispanic                      | 0.6  | 24.8                   | 36.8    | 28.3   | 9.5   | 156  |
| Hispanic                                 | 1.9  | 34.3                   | 25.6    | 28.3   | 10.0  | 376  |
| Asian/Pacific Islander                   | 1.8  | 31.2                   | 29.2    | 30.3   | 7.5   | 164  |
| Parents’ highest education               |  |                        |         |        |       |  |
| High school diploma or less              | 2.0  | 31.0                   | 28.5    | 29.1   | 9.3   | 147  |
| Some postsecondary education             | 1.4  | 27.0                   | 26.9    | 36.4   | 8.3   | 140  |
| Bachelor’s degree                        | 1.4  | 24.2                   | 31.5    | 36.2   | 6.8   | 132  |
| Advanced degree                          | 1.8  | 24.7                   | 29.4    | 36.6   | 7.5   | 139  |
| Age at bachelor’s degree completion      |  |                        |         |        |       |  |
| 22 or younger                            | 1.1  | 22.9                   | 29.8    | 37.8   | 8.5   | 115  |
| 23–24                                    | 2.0  | 26.5                   | 29.2    | 33.6   | 8.8   | 149  |
| 25–29                                    | 3.3  | 32.3                   | 28.4    | 26.7   | 9.2   | 146  |
| 30 or older                              | 2.5  | 36.8                   | 26.9    | 30.4   | 3.5   | 234  |
| Baccalaureate degree major               |  |                        |         |        |       |  |
| Business and management                  | 1.7  | 26.6                   | 28.6    | 32.3   | 10.8  | 160  |
| Education                                | 2.9  | 31.1                   | 30.8    | 30.3   | 4.9   | 163  |
| Engineering                              | 1.3  | 25.2                   | 28.4    | 37.6   | 7.5   | 117  |
| Health                                   | 0.4  | 26.1                   | 29.7    | 35.0   | 8.7   | 160  |
| Public affairs/social services           | 2.0  | 21.7                   | 30.6    | 39.7   | 6.1   | 153  |
| Humanities                               | 0.7  | 28.5                   | 30.5    | 33.7   | 6.6   | 119  |
| Social and behavioral sciences           | 2.4  | 25.8                   | 30.4    | 35.8   | 5.6   | 149  |
| Natural sciences and mathematics         | 1.8  | 32.5                   | 23.3    | 35.0   | 7.5   | 139  |
| Other                                    | 2.0  | 24.8                   | 28.4    | 35.7   | 9.0   | 141  |
| Cumulative undergraduate GPA             |  |                        |         |        |       |  |
| Less than 2.75                           | 1.7  | 25.3                   | 29.3    | 34.5   | 9.1   | 153  |
| 2.75–3.74                                | 1.7  | 27.6                   | 29.3    | 34.3   | 7.2   | 136  |
| 3.75 or higher                           | 2.8  | 33.0                   | 27.5    | 33.2   | 3.5   | 157  |

See notes at end of table.



**Table V.2. Level of participation in community service for 1992–93 bachelor’s degree recipients who volunteered in the past year, by selected characteristics: 2003—Continued**

| Selected characteristics                                | Percentage distribution by frequency of volunteer work |                        |         |        |       | Average total volunteer hours in past year |
|---|--|------------------------|---------|--------|-------|--|
|   | One-time event   | Less than once a month | Monthly | Weekly | Daily |  |
| <b>Time between college entry and bachelor’s degree</b> |  |                        |         |        |       |  |
| 4 years or less   | 1.2  | 23.3                   | 30.0    | 37.1   | 8.4   | 116  |
| 5–6 years   | 1.4  | 24.4                   | 30.1    | 35.7   | 8.4   | 144  |
| More than 6 years                                       | 3.0  | 36.0                   | 26.5    | 28.1   | 6.4   | 187  |
| <b>Enrollment status in 2003</b>                        |  |                        |         |        |       |  |
| Not currently enrolled                                  | 2.0  | 27.3                   | 28.5    | 34.7   | 7.6   | 143  |
| Currently enrolled                                      | #  | 27.5                   | 34.5    | 28.0   | 10.0  | 194  |
| <b>Highest degree attained as of 2003</b>               |  |                        |         |        |       |  |
| Bachelor’s degree                                       | 2.2  | 27.8                   | 29.0    | 32.9   | 8.2   | 148  |
| Master’s degree   | 0.8  | 27.9                   | 28.1    | 36.6   | 6.5   | 154  |
| Doctoral/first-professional degree                      | 1.0  | 19.9                   | 32.3    | 40.2   | 6.6   | 124  |
| <b>Labor force participation</b>                        |  |                        |         |        |       |  |
| Employed, total   | 1.7  | 25.1                   | 29.4    | 35.3   | 8.6   | 141  |
| Full time, one job                                      | 1.6  | 24.3                   | 28.7    | 35.9   | 9.6   | 135  |
| Part time, one job                                      | 1.9  | 31.1                   | 35.9    | 26.3   | 4.8   | 174  |
| Multiple jobs   | 1.9  | 26.0                   | 28.4    | 38.5   | 5.2   | 149  |
| Unemployed  | 2.6  | 39.5                   | 27.1    | 28.5   | 2.3   | 253  |
| Out of the labor force                                  | 2.8  | 42.3                   | 26.6    | 25.6   | 2.8   | 175  |
| <b>Type of employer<sup>2</sup></b>                     |  |                        |         |        |       |  |
| Self-employed   | 1.6  | 28.3                   | 28.1    | 36.6   | 5.5   | 137  |
| For-profit  | 1.5  | 21.9                   | 29.0    | 36.3   | 11.4  | 118  |
| Not-for-profit  | 2.0  | 31.5                   | 30.2    | 32.5   | 3.8   | 194  |
| Local/state government                                  | 2.6  | 32.3                   | 26.4    | 33.2   | 5.6   | 152  |
| Federal government                                      | 4.4  | 35.4                   | 20.0    | 31.7   | 8.4   | 168  |
| Military  | #  | 30.8                   | 31.6    | 29.5   | 8.2   | 193  |
| <b>Marital status</b>                                   |  |                        |         |        |       |  |
| Single, never married                                   | 1.0  | 23.2                   | 25.4    | 39.5   | 10.9  | 139  |
| Married or cohabiting                                   | 2.1  | 27.8                   | 29.6    | 33.3   | 7.2   | 142  |
| Separated/divorced/widowed                              | 1.2  | 33.3                   | 32.5    | 27.6   | 5.4   | 222  |
| <b>Number of dependents under age 18</b>                |  |                        |         |        |       |  |
| None  | 1.4  | 23.7                   | 28.2    | 36.9   | 9.8   | 148  |
| One or more   | 2.2  | 30.7                   | 29.7    | 31.5   | 6.0   | 147  |

#Rounds to zero.

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table V.3. Percentage of 1992–93 bachelor’s degree recipients who reported participating in various political activities, by selected characteristics: 2003**

| Selected characteristics                 | Registered to vote <sup>1</sup> | Voted in 2002 election <sup>1</sup> | Attended political meetings/rallies <sup>2</sup> |
|--|---------------------------------|-------------------------------------|--|
| U.S. total (excluding Puerto Rico)       | 93.4                            | 76.4                                | 15.2   |
| Total (50 states, D.C., and Puerto Rico) | 93.1                            | 76.1                                | 15.1   |
| Gender                                   |                                 |                                     |  |
| Male                                     | 92.6                            | 76.0                                | 16.2   |
| Female                                   | 93.5                            | 76.2                                | 14.3   |
| Race/ethnicity <sup>3</sup>              |                                 |                                     |  |
| White, non-Hispanic                      | 94.2                            | 77.0                                | 15.2   |
| Black, non-Hispanic                      | 95.8                            | 84.7                                | 21.5   |
| Hispanic                                 | 85.5                            | 66.1                                | 11.5   |
| Asian/Pacific Islander                   | 79.0                            | 60.7                                | 8.4  |
| Parents’ highest education               |                                 |                                     |  |
| High school diploma or less              | 92.3                            | 76.0                                | 14.1   |
| Some postsecondary education             | 94.3                            | 74.8                                | 14.9   |
| Bachelor’s degree                        | 92.8                            | 77.4                                | 15.2   |
| Advanced degree                          | 93.5                            | 76.4                                | 16.0   |
| Age at bachelor’s degree completion      |                                 |                                     |  |
| 22 or younger                            | 93.3                            | 73.0                                | 15.4   |
| 23–24                                    | 91.3                            | 73.8                                | 13.0   |
| 25–29                                    | 92.3                            | 77.2                                | 14.1   |
| 30 or older                              | 95.9                            | 89.2                                | 18.7   |
| Baccalaureate degree major               |                                 |                                     |  |
| Business and management                  | 94.0                            | 78.1                                | 12.8   |
| Education                                | 93.7                            | 78.0                                | 13.4   |
| Engineering                              | 92.8                            | 76.4                                | 8.9  |
| Health                                   | 95.7                            | 76.4                                | 13.6   |
| Public affairs/social services           | 92.2                            | 75.5                                | 14.0   |
| Humanities                               | 91.6                            | 76.2                                | 19.0   |
| Social and behavioral sciences           | 92.9                            | 74.6                                | 22.4   |
| Natural sciences and mathematics         | 88.9                            | 67.5                                | 12.9   |
| Other                                    | 94.5                            | 78.6                                | 16.3   |
| Cumulative undergraduate GPA             |                                 |                                     |  |
| Less than 2.75                           | 92.5                            | 75.0                                | 14.2   |
| 2.75–3.74                                | 93.5                            | 76.7                                | 15.7   |
| 3.75 or higher                           | 95.1                            | 80.7                                | 16.8   |

See notes at end of table.

**Table V.3. Percentage of 1992–93 bachelor’s degree recipients who reported participating in various political activities, by selected characteristics: 2003—Continued**

| Selected characteristics                         | Registered to vote <sup>1</sup> | Voted in 2002 election <sup>1</sup> | Attended political meetings/rallies <sup>2</sup> |
|--|---------------------------------|-------------------------------------|--|
| Time between college entry and bachelor’s degree |                                 |                                     |  |
| 4 years or less                                  | 93.6                            | 72.2                                | 16.3   |
| 5–6 years  | 91.5                            | 74.1                                | 12.9   |
| More than 6 years                                | 94.6                            | 84.4                                | 17.1   |
| Enrollment status in 2003                        |                                 |                                     |  |
| Not currently enrolled                           | 93.0                            | 75.9                                | 14.9   |
| Currently enrolled                               | 94.0                            | 78.8                                | 17.3   |
| Highest degree attained as of 2003               |                                 |                                     |  |
| Bachelor’s degree                                | 92.7                            | 76.0                                | 13.4   |
| Master’s degree                                  | 95.6                            | 78.4                                | 18.9   |
| Doctoral/first-professional degree               | 89.8                            | 69.5                                | 24.1   |
| Labor force participation                        |                                 |                                     |  |
| Employed, total                                  | 93.2                            | 76.5                                | 15.2   |
| Full time, one job                               | 92.9                            | 76.2                                | 15.1   |
| Part time, one job                               | 94.8                            | 79.1                                | 11.8   |
| Multiple jobs                                    | 93.9                            | 76.5                                | 18.7   |
| Unemployed                                       | 89.5                            | 64.9                                | 17.2   |
| Out of the labor force                           | 93.6                            | 77.4                                | 13.5   |
| Type of employer <sup>4</sup>                    |                                 |                                     |  |
| Self-employed                                    | 90.9                            | 71.7                                | 18.4   |
| For-profit                                       | 92.2                            | 73.9                                | 13.0   |
| Not-for-profit                                   | 93.3                            | 76.8                                | 17.6   |
| Local/state government                           | 95.0                            | 82.8                                | 19.6   |
| Federal government                               | 95.7                            | 81.8                                | 15.5   |
| Military   | 93.4                            | 71.6                                | 6.2  |
| Marital status                                   |                                 |                                     |  |
| Single, never married                            | 90.1                            | 71.1                                | 15.8   |
| Married or cohabiting                            | 94.2                            | 78.0                                | 14.8   |
| Separated/divorced/widowed                       | 90.0                            | 71.3                                | 16.5   |
| Number of dependents under age 18                |                                 |                                     |  |
| None   | 92.1                            | 73.6                                | 17.1   |
| One or more                                      | 94.1                            | 78.5                                | 13.3   |

<sup>1</sup>U.S. citizens and nationals only.

<sup>2</sup>In the past year.

<sup>3</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>4</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table V.4. Percentage of 1992–93 bachelor’s degree recipients who reported expressing an opinion to a public official in the last 2 years, by selected characteristics: 2003**

| Selected characteristics                 | Wrote letter | Wrote e-mail | Made phone call | No contact |
|--|--------------|--------------|-----------------|------------|
| U.S. total (excluding Puerto Rico)       | 16.3         | 25.9         | 12.1            | 63.6       |
| Total (50 states, D.C., and Puerto Rico) | 16.3         | 25.8         | 12.1            | 63.7       |
| Gender                                   |              |              |                 |            |
| Male                                     | 14.8         | 27.3         | 11.9            | 64.6       |
| Female                                   | 17.5         | 24.5         | 12.3            | 63.0       |
| Race/ethnicity <sup>1</sup>              |              |              |                 |            |
| White, non-Hispanic                      | 16.9         | 27.0         | 12.5            | 62.4       |
| Black, non-Hispanic                      | 13.1         | 16.7         | 11.3            | 71.7       |
| Hispanic                                 | 12.6         | 23.4         | 10.1            | 68.1       |
| Asian/Pacific Islander                   | 12.1         | 17.8         | 8.1             | 74.1       |
| Parents’ highest education               |              |              |                 |            |
| High school diploma or less              | 16.0         | 23.3         | 13.2            | 64.9       |
| Some postsecondary education             | 15.8         | 27.7         | 12.1            | 62.7       |
| Bachelor’s degree                        | 15.9         | 25.7         | 11.2            | 63.5       |
| Advanced degree                          | 17.9         | 28.6         | 11.5            | 62.4       |
| Age at bachelor’s degree completion      |              |              |                 |            |
| 22 or younger                            | 14.0         | 24.0         | 10.2            | 66.6       |
| 23–24                                    | 15.1         | 25.8         | 11.1            | 65.6       |
| 25–29                                    | 15.0         | 27.6         | 10.7            | 64.4       |
| 30 or older                              | 26.3         | 30.1         | 21.3            | 50.8       |
| Baccalaureate degree major               |              |              |                 |            |
| Business and management                  | 11.8         | 21.0         | 10.5            | 70.3       |
| Education                                | 18.7         | 25.7         | 11.8            | 61.0       |
| Engineering                              | 10.0         | 22.3         | 8.2             | 69.5       |
| Health                                   | 22.0         | 24.9         | 12.6            | 60.1       |
| Public affairs/social services           | 17.5         | 20.4         | 17.7            | 64.3       |
| Humanities                               | 21.2         | 35.3         | 13.4            | 53.6       |
| Social and behavioral sciences           | 17.6         | 29.7         | 16.3            | 60.9       |
| Natural sciences and mathematics         | 15.8         | 26.3         | 8.1             | 65.5       |
| Other                                    | 16.4         | 25.7         | 13.3            | 63.5       |
| Cumulative undergraduate GPA             |              |              |                 |            |
| Less than 2.75                           | 13.6         | 23.2         | 11.2            | 67.2       |
| 2.75–3.74                                | 18.1         | 28.9         | 13.2            | 60.7       |
| 3.75 or higher                           | 24.3         | 31.7         | 13.8            | 53.9       |

See notes at end of table.

**Table V.4. Percentage of 1992–93 bachelor’s degree recipients who reported expressing an opinion to a public official in the last 2 years, by selected characteristics: 2003—Continued**

| Selected characteristics                                | Wrote letter | Wrote e-mail | Made phone call | No contact |
|---|--------------|--------------|-----------------|------------|
| <b>Time between college entry and bachelor’s degree</b> |              |              |                 |            |
| 4 years or less   | 13.8         | 22.8         | 9.9             | 68.1       |
| 5–6 years   | 15.9         | 25.8         | 11.6            | 64.3       |
| More than 6 years                                       | 20.5         | 30.0         | 15.7            | 56.8       |
| <b>Enrollment status in 2003</b>                        |              |              |                 |            |
| Not currently enrolled                                  | 16.0         | 25.3         | 12.1            | 64.0       |
| Currently enrolled                                      | 19.1         | 31.4         | 12.7            | 59.9       |
| <b>Highest degree attained as of 2003</b>               |              |              |                 |            |
| Bachelor’s degree                                       | 15.4         | 24.5         | 11.7            | 65.1       |
| Master’s degree   | 19.4         | 30.3         | 13.9            | 58.8       |
| Doctoral/first-professional degree                      | 17.1         | 27.4         | 12.1            | 63.0       |
| <b>Labor force participation</b>                        |              |              |                 |            |
| Employed, total   | 16.5         | 25.9         | 12.3            | 63.4       |
| Full time, one job                                      | 15.9         | 25.6         | 11.8            | 64.1       |
| Part time, one job                                      | 16.2         | 22.6         | 13.2            | 63.9       |
| Multiple jobs   | 21.6         | 30.7         | 15.4            | 58.1       |
| Unemployed  | 14.5         | 29.8         | 13.0            | 62.8       |
| Out of the labor force                                  | 14.7         | 23.3         | 10.0            | 66.7       |
| <b>Type of employer<sup>2</sup></b>                     |              |              |                 |            |
| Self-employed   | 16.9         | 28.3         | 20.6            | 58.7       |
| For-profit  | 12.8         | 24.5         | 9.3             | 66.7       |
| Not-for-profit  | 21.1         | 28.0         | 14.3            | 60.9       |
| Local/state government                                  | 21.3         | 28.8         | 16.1            | 59.9       |
| Federal government                                      | 16.2         | 24.4         | 9.2             | 65.5       |
| Military  | 10.7         | 12.0         | 2.4             | 82.7       |
| <b>Marital status</b>                                   |              |              |                 |            |
| Single, never married                                   | 14.5         | 25.3         | 9.3             | 67.5       |
| Married or cohabiting                                   | 16.4         | 25.8         | 12.5            | 63.3       |
| Separated/divorced/widowed                              | 19.8         | 26.9         | 16.2            | 57.5       |
| <b>Number of dependents under age 18</b>                |              |              |                 |            |
| None  | 17.2         | 28.2         | 12.1            | 61.3       |
| One or more   | 15.4         | 23.5         | 12.2            | 66.0       |

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

<sup>2</sup>Only includes respondents who have worked at any time since 1997. Applies to current or most recent job.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

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## Appendix A—Glossary

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This glossary describes the variables used in this report. The items were taken directly from the NCES B&B:93/03 Data Analysis System (DAS), a web-based NCES analysis tool that generates tables from the B&B:93/03 data. (See appendix B for a description of the DAS.) In the index below, the variables are organized by general topic and, within topic, listed in the order they appear in the report. The glossary is in alphabetical order by variable name (displayed in capital letters to the right of the label below).

### GLOSSARY INDEX

#### STUDENT CHARACTERISTICS

|  |          |
|--|----------|
| Gender .....   | GENDER   |
| Race/ethnicity .....                                       | B2ETHNIC |
| Parents' highest education .....                           | PEDUC    |
| Age at bachelor's degree completion.....                   | CCAGEBA  |
| Marital status .....                                       | B3MAR    |
| Number of dependents younger than age 18<br>.....          | B3NUMCH  |
| Dependents:  |          |
| Dependents age 4 or younger .....                          | B3D3AG1  |
| Dependents ages 5–17 .....                                 | B3D3AG2  |
| Dependents age 18 or older .....                           | B3D3AG3  |
| Dependents age 4 or younger in day care/<br>preschool..... | B3CHCNUM |
| Child in before/afterschool care.....                      | B3CH1CAR |
| Child attends private school.....                          | B3PRIVT  |
| Saving for children's education .....                      | B3EDSAV  |
| Savings methods:   |          |
| Traditional savings account.....                           | B3EDSVA  |
| Money market account .....                                 | B3EDSVB  |
| Certificate of deposit .....                               | B3EDSVC  |
| State-sponsored savings plan.....                          | B3ESSVD  |
| Roth IRA .....   | B3EDSVE  |
| Tuition prepayment plan.....                               | B3EDSVF  |
| Other savings methods .....                                | B3EDSVX  |
| Home ownership.....  | B3HOMOWN |
| Region of current residence .....                          | B3REGION |
| Same state as bachelor's institution .....                 | B3STBA   |
| Same state as home state.....                              | B3STHM   |
| Puerto Rico indicator .....                                | COMPTO87 |

#### UNDERGRADUATE EDUCATION

|   |          |
|---|----------|
| Baccalaureate degree major.....                             | BAMAJOR  |
| Bachelor's degree-granting institution.....                 | SECTOR_B |
| Time between college entry and bachelor's<br>degree .....   | B2BATIM2 |
| Enrolled in diploma/certificate program since<br>1993 ..... | B3ATTCT  |
| Enrolled in associate's degree program since<br>1993 .....  | B3ATTAA  |

|   |          |
|---|----------|
| Enrolled in bachelor's degree program since<br>1993.....  | B3ATTBA  |
| Enrolled in any undergraduate program since<br>1993.....  | B3ATTUG  |
| Completed undergraduate program since<br>1993.....        | B3CMPUG  |
| Cumulative undergraduate GPA.....                         | GPACUM   |
| Educational expectations at bachelor's<br>completion..... | ANYHILVL |
| Prior attainment .....                                    | H1OTHDEG |

#### EMPLOYMENT

|   |          |
|---|----------|
| Labor force participation .....                         | B3LFP03  |
| Average salary of current/most recent job<br>2003 ..... | B3CRSAL  |
| Enrolled for occupational license .....                 | B3ENRLIC |
| Enrolled for professional certification.....            | B3ENRCT  |
| Participated in work-related classes .....              | B3WRKCLS |
| Took personal enrichment classes .....                  | B3ENRICH |
| Average hours worked per week .....                     | B3CHRTOT |
| Occupation .....  | B3OCCAT  |
| Type of employer .....                                  | B3CURTYP |
| Telecommuting allowed .....                             | B3CURTLC |
| Flexible scheduling .....                               | B3CURFLX |
| Supervise work of others .....                          | B3SUPRVS |
| Assist in hiring/firing decisions.....                  | B3HIRE   |
| Set salary rates for others .....                       | B3SETSAL |
| Job is part of career .....                             | B3CAREER |
| Current job benefits:                                   |          |
| Medical insurance .....                                 | B3CURBA  |
| Other health insurance .....                            | B3CURBB  |
| Life insurance.....                                     | B3CURBC  |
| Retirement benefits .....                               | B3CURBD  |
| Flexible spending account.....                          | B3CURBF  |
| Child care facility/subsidy .....                       | B3CURBH  |
| Receiving unemployment compensation... ..               | B3CURUEM |
| Average total months unemployed.....                    | B3UTIMT  |
| Out of labor force for childrearing .....               | B3RSNOB  |
| Worked part time for childrearing .....                 | B3RSNPC  |
| Took leave from work .....                              | B3CLEAV  |
| Took paid leave .....                                   | B3PLEAV  |

**GRADUATE EDUCATION**

Ever enrolled in a graduate program.....B3ENRPG  
 Ever completed graduate program.....B3ATTEN  
 Current enrollment status.....B3CURENR  
 Highest degree attained as of 2003 ..... B3HDG03  
 Field of advanced degree ..... B3HDGMAJ  
 Detailed degree program..... B3PGTYP  
 Financial aid for graduate education:  
     Student loans ..... B3GRLOAN  
     Grants/scholarship/fellowships..... B3GRANT  
     Tuition waiver ..... B3TUIRED  
     Teaching assistantship ..... B3TEAAST  
     Research assistantship ..... B3RESAST  
     Tuition reimbursement from employer.... B3EMBNFT

**CIVIC PARTICIPATION AND ATTITUDES**

Any volunteer work ..... B3COMSRV  
 Type of volunteer work:  
     Education-related..... B3VLTPA  
     Other work with kids ..... B3VLTPB  
     Fundraising ..... B3VLTPC  
     Homeless/other poverty-related..... B3VLTPD  
     Service to religious institution ..... B3VLTPE  
 Frequency of volunteer work ..... B3VLFRQ  
 Average volunteering hours in past year..... B3VLAMT  
 Registered to vote in 2003 ..... B3VTREG  
 Voted in 2002 election..... B3VTNEL  
 Attended political meetings/rallies ..... B3POLIT  
 Made phone call to public official ..... B3TELPN  
 Wrote letter ..... B3LETTR  
 Wrote e-mail ..... B3EMAIL  
 No political contacts made..... B3POLTW  
 Aspects of undergraduate education that are  
 very important now:  
     Major ..... B3UGVLA  
     Liberal arts courses..... B3UGVLB  
     Professional courses ..... B3UGVLC  
     Quality of instruction..... B3UGVLD  
     Internship/other work opportunities ..... B3UGVLE  
     None ..... B3UGVLF

Undergraduate education was very important  
 preparation for:  
     Work and career ..... B3UGPRA  
     Further education ..... B3UGPRB  
     Financial security ..... B3UGPRC  
     None ..... B3UGPRD  
 Undergraduate education worth cost, time,  
 and/or effort:  
     Financial cost ..... B3UGWRA  
     Amount of time ..... B3UGWRB  
     Amount of effort ..... B3UGWRC  
     None ..... B3UGWRN  
 Educational expectations in 2003 ..... B3HIGHE2  
 Satisfied with graduate schools attended:  
     Faculty/teaching ..... B3GSAFT  
     Courses offered ..... B3GSACO  
     Course availability ..... B3GSACA  
     Career preparation..... B3GSACP  
     None ..... B3GSANO  
 Aspects of graduate education that are very  
 important now:  
     Course of study ..... B3GRVLA  
     Quality of instruction ..... B3GRVLB  
     Interaction with faculty ..... B3GRVLC  
     Internship/other work opportunities ..... B3GRVLD  
     Social contacts ..... B3GRVLE  
     None ..... B3GRVLF  
 Graduate education was very important  
 preparation for:  
     Work and career ..... B3GRPRA  
     Establishing financial security ..... B3GRPRB  
     Establishing a place in community ..... B3GRPRC  
     Taking on new challenges ..... B3GRPRD  
     Making informed choices..... B3GRPRE  
     None ..... B3GRPRF  
 Graduate education worth cost, time,  
 and/or effort:  
     Financial cost ..... B3GRWRA  
     Amount of time ..... B3GRWRB  
     Amount of effort ..... B3GRWRC



|  | <i>DAS variable name</i> |
|--|--------------------------|
| <b><i>Educational expectations at bachelor's completion</i></b>  | <b>ANYHILVL</b>          |
| Response to the question “What is the highest level of education you ever expect to complete?” This question was asked when respondents were first surveyed in 1993.   |                          |
| <ul style="list-style-type: none"> <li>Bachelor's degree</li> <li>Master's degree</li> <li>Doctoral/first-professional degree</li> </ul>   |                          |
| <b><i>Time between college entry and bachelor's degree</i></b>   | <b>B2BATIM2</b>          |
| The number of months between the date the respondent first entered college and the date he or she received the bachelor's degree, shown in years.  |                          |
| <ul style="list-style-type: none"> <li>4 years or less</li> <li>5–6 years</li> <li>More than 6 years</li> </ul>  |                          |
| <b><i>Race/ethnicity</i></b>   | <b>B2ETHNIC</b>          |
| Indicates the race and ethnicity of the respondent. Created by combining two items respondents reported, their race (American Indian/Alaska Native, Asian/Pacific Islander, Black, White, and Other) and whether or not they were of Hispanic origin. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown. The resulting categories are as follows. |                          |
| <ul style="list-style-type: none"> <li>White, non-Hispanic</li> <li>Black, non-Hispanic</li> <li>Hispanic</li> <li>Asian/Pacific Islander</li> </ul>   |                          |
| <b><i>Enrolled in associate's degree program since 1993</i></b>  | <b>B3ATTAA</b>           |
| Indicates whether the respondent ever enrolled in an associate's degree program after attaining the bachelor's degree in 1992–93. (yes/no)   |                          |
| <b><i>Enrolled in bachelor's degree program since 1993</i></b>   | <b>B3ATTBA</b>           |
| Indicates whether the respondent ever enrolled in another bachelor's degree program after completing the bachelor's degree in 1992–93. (yes/no)  |                          |
| <b><i>Enrolled in diploma/certificate program since 1993</i></b>   | <b>B3ATTCT</b>           |
| Indicates whether the respondent has enrolled in a technical diploma or certificate program since 1992–93. (yes/no)  |                          |

*DAS variable name*

***Ever completed graduate program***

**B3ATTEN**

Indicates the respondent’s current attainment status and enrollment status at the graduate level (including postbaccalaureate certificates and master’s, doctoral, and first-professional degrees). The resulting categories are as follows.

|                                   |  |
|-----------------------------------|--|
| Completed graduate program        | Completed program, currently enrolled<br>Completed program, not currently enrolled           |
| Did not complete graduate program | No graduate attainment, currently enrolled<br>No graduate attainment, not currently enrolled |

***Enrolled in any undergraduate program since 1993***

**B3ATTUG**

Indicates whether the respondent enrolled in, since earning the 1992–93 bachelor’s degree, any of the following types of undergraduate degree or certificate programs: diploma or certificate, an associate’s degree, or a bachelor’s degree program. (yes/no)

***Job is part of career***

**B3CAREER**

Response to the question “Do you consider your current job to be part of a career you are pursuing in your occupation or industry?” (yes/no)

***Child in before/afterschool care***

**B3CH1CAR**

For respondents with children ages 5–17, response to the question “Do any of your dependent children, ages 5–17, attend before-school or after-school care?” (yes/no)

***Dependents age 4 or younger in day care/preschool***

**B3CHCNUM**

For respondents with dependents ages 0–4, response to the question “How many of your dependent children under age 5 are in day care or preschool?”

***Average hours worked per week***

**B3CHRTOT**

Indicates the respondent’s reported hours worked per week by adding the hours reported for the primary job to the hours reported for the nonprimary job. This variable was only calculated for respondents who were working at the time of the interview in 2003. Those who were not working at the time of the interview were assigned a 0.

***Took leave from work***

**B3CLEAV**

***Average total leave, in months***

The length of any leave the respondent took from work (in months) to care for a child or children. This variable is used both to determine those who took any leave (a value greater than 0) and, for those who did, the average length of the leave they took.

|  | <i>DAS variable name</i>                |
|--|---|
| <b><i>Completed undergraduate program since 1993</i></b>   | <b>B3CMPUG</b>                          |
| Indicates whether the respondent completed, since earning the 1992–93 bachelor’s degree, any of the following types of undergraduate degree or certificate programs: diploma or certificate, an associate’s degree, or a bachelor’s degree program. (yes/no)   |   |
| <b><i>Any volunteer work</i></b>   | <b>B3COMSRV</b>                         |
| Response to the question “In the past year, have you participated in any community service or volunteer work? Court-ordered service not included.” (yes/no)  |   |
| <b><i>Average salary of current/most recent job 2003</i></b>   | <b>B3CRSAL</b>                          |
| Current/most recent salary for all respondents, including teachers. Respondents who have not worked since 1997 are not included. The categories for this variable were created by converting dollar values to percentiles and then grouping the bottom 25 percent, the middle 50 percent, and the top 25 percent together. The ranges are as follows:  |   |
| Low  | Bottom 25 percent; below \$34,934       |
| Middle   | Middle 50 percent; \$34,934 to \$68,000 |
| High   | Top 25 percent; above \$68,000          |
| <b><i>Current job benefits:</i></b>  |   |
| <b><i>Medical insurance</i></b>  | <b>B3CURBA</b>                          |
| <b><i>Other health insurance</i></b>   | <b>B3CURBB</b>                          |
| <b><i>Life insurance</i></b>   | <b>B3CURBC</b>                          |
| <b><i>Retirement benefits</i></b>  | <b>B3CURBD</b>                          |
| <b><i>Flexible spending account</i></b>  | <b>B3CURBF</b>                          |
| <b><i>Child care facility/subsidy</i></b>  | <b>B3CURBH</b>                          |
| Response to the question “[Does/did] your employer provide you with any of the following benefits?” Refers to the current (2003) job or, for those not working in 2003 but who have worked since 1997, the most recent job. Self-employed respondents are excluded.  |   |
| <b><i>Current enrollment status</i></b>  | <b>B3CURENR</b>                         |
| Identifies whether respondents were enrolled in a graduate (including master’s, doctoral, first-professional, and postbaccalaureate certificate programs) or undergraduate (technical diploma or certificate, associate’s, or bachelor’s) degree program (or both) at the time of the interview in 2003.   |   |
| Currently enrolled   |   |
| Not currently enrolled   |   |
| <b><i>Flexible scheduling</i></b>  | <b>B3CURFLX</b>                         |
| Response to the question “Some employers allow their employees flexibility in the hours they work, that is, they do not have to work a set schedule as long as a minimum number of hours are worked in a pay period. Would you say that in your [current/most recent] job, your schedule [is/was] very flexible, somewhat flexible, or not flexible?” Refers to the current (2003) job or, for those not working in 2003 but who have worked since 1997, the most recent job. Self-employed respondents are not included. (“Somewhat” or “Very” vs. “Not”) |   |

*DAS variable name*

***Telecommuting allowed***

**B3CURTLC**

Response to the question “In your most recent job, did your employer allow you to telecommute?” Refers to the current (2003) job or, for those not working in 2003 but who have worked since 1997, the most recent job. Self-employed respondents are not included. (yes/no)

***Type of employer***

**B3CURTYP**

Response to the question “How would you describe your current employer?” Refers to the current (2003) job or, for those not working in 2003 but who have worked at some time since 1997, the most recent job.

- Self-employed
- For-profit
- Not-for-profit
- Local/state government
- Federal government
- Military

***Receiving unemployment compensation***

**B3CURUEM**

Response to the question “Are you currently receiving unemployment compensation?” This question was asked of people who were not working when interviewed in 2003. (yes/no)

***Dependents:***

***Dependents age 4 or younger***

**B3D3AG1**

***Dependents ages 5–17***

**B3D3AG2**

***Dependents age 18 or older***

**B3D3AG3**

In 2003, respondents were asked how many people in each of the three age categories the respondent and his or her spouse or partner supported financially, both within and outside the household. These derived variables were created by summing the number of dependents in each age group from within and outside the household. These variables determine whether respondents have any dependents in each age group (a value greater than 0) and, among those respondents, the number of dependents in each age group.

***Saving for children’s education***

**B3EDSAV**

For respondents who had dependents younger than age 18 either within or outside the household, this variable reflects the response to the question “Are you currently saving for [that child’s/their] college education?” (yes/no)

*DAS variable name****Savings methods:***

|                                     |                |
|-------------------------------------|----------------|
| <i>Traditional savings account</i>  | <b>B3EDSVA</b> |
| <i>Money market account</i>         | <b>B3EDSVB</b> |
| <i>Certificate of deposit</i>       | <b>B3EDSVC</b> |
| <i>State-sponsored savings plan</i> | <b>B3ESSVD</b> |
| <i>Roth IRA</i>                     | <b>B3EDSVE</b> |
| <i>Tuition prepayment plan</i>      | <b>B3EDSVF</b> |
| <i>Other savings methods</i>        | <b>B3EDSVX</b> |

Respondents who had dependents younger than age 18 and who indicated that they were currently saving for their children's education were asked to identify which of the listed methods they were using to do so ("What method[s] are you using to save for [that child's/their] college education?") Respondents could select multiple savings methods.

***Wrote e-mail*** **B3EMAIL**

Response to the question "In the last two years, have you done any of the following to express your opinion to a public official?" The activities listed were writing a letter, writing an e-mail, and making a telephone call. This variable refers to writing an e-mail. (yes/no)

***Tuition reimbursement from employer*** **B3EMBNFT**

Indicates whether the respondent ever received tuition reimbursement in the form of employee benefits to cover the costs of graduate school. (yes/no)

***Enrolled for professional certification*** **B3ENRCT**

Indicates whether the respondent enrolled in a professional certification program after attaining the bachelor's degree in 1992–93. (yes/no)

***Took personal enrichment classes*** **B3ENRICH**

Response to the question "In the last twelve months, have you participated in any classes for personal enrichment?" (yes/no)

***Enrolled for occupational license*** **B3ENRLIC**

Indicates whether the respondent enrolled in an occupational license program after attaining the bachelor's degree in 1992–93. (yes/no)

***Ever enrolled in a graduate program*** **B3ENRPG**

Indicates whether the respondent had enrolled in a graduate program (postbaccalaureate certificate or master's, doctoral, or first-professional degree program) after attaining a bachelor's degree in the 1992–93 school year.

Never enrolled  
Enrolled

|  | <i>DAS variable name</i> |
|--|--------------------------|
| <b><i>Grants/scholarship/fellowships</i></b>   | <b>B3GRANT</b>           |
| Indicates whether the respondent ever received grants, scholarships, or a fellowship to cover the costs of graduate school. (yes/no)   |                          |
| <b><i>Student loans</i></b>  | <b>B3GRLOAN</b>          |
| Indicates whether the respondent ever received loans to cover the costs of graduate school. (yes/no)   |                          |
| <b><i>Graduate education very important preparation for:</i></b>   |                          |
| <i>Work and career</i>   | <b>B3GRPRA</b>           |
| <i>Establishing financial security</i>   | <b>B3GRPRB</b>           |
| <i>Establishing a place in community</i>   | <b>B3GRPRC</b>           |
| <i>Taking on new challenges</i>  | <b>B3GRPRD</b>           |
| <i>Making informed choices</i>   | <b>B3GRPRE</b>           |
| <i>None</i>  | <b>B3GRPRF</b>           |
| Respondents who had any graduate education were asked “For which of the following aspects of your life now would you say your graduate education was very important preparation?” (yes/no for each item) B3GRPRF indicates respondents who did not say that their graduate education was very important preparation for any item listed. |                          |
| <b><i>Aspects of graduate education that are very important now:</i></b>   |                          |
| <i>Course of study</i>   | <b>B3GRVLA</b>           |
| <i>Quality of instruction</i>  | <b>B3GRVLB</b>           |
| <i>Interaction with faculty</i>  | <b>B3GRVLC</b>           |
| <i>Internship/other work opportunities</i>   | <b>B3GRVLD</b>           |
| <i>Social contacts</i>   | <b>B3GRVLE</b>           |
| <i>None</i>  | <b>B3GRVLF</b>           |
| Respondents who had any graduate education since 1997 were asked “Which of the following aspects of your graduate education would you consider to be very important to your life now?” (yes/no for each item) B3GRVLF indicates respondents who did not report that any item listed was very important to their lives now.               |                          |
| <b><i>Graduate education worth cost, time, or/and effort:</i></b>  |                          |
| <i>Financial cost</i>  | <b>B3GRWRA</b>           |
| <i>Amount of time</i>  | <b>B3GRWRB</b>           |
| <i>Amount of effort</i>  | <b>B3GRWRC</b>           |
| Respondents who had any graduate education since 1997 were asked to indicate whether their graduate education was worth the financial cost, amount of time, and amount of effort it took to complete. (yes/no for each item)   |                          |

*DAS variable name****Satisfied with graduate schools attended:***

|                            |                |
|----------------------------|----------------|
| <i>Faculty/teaching</i>    | <b>B3GSAFT</b> |
| <i>Courses offered</i>     | <b>B3GSACO</b> |
| <i>Course availability</i> | <b>B3GSACA</b> |
| <i>Career preparation</i>  | <b>B3GSACP</b> |
| <i>None</i>                | <b>B3GSANO</b> |

Respondents who had any graduate education since 1997 were asked whether they were “very satisfied” with these aspects of their graduate education. (yes/no for each item) B3GSANO indicates respondents who did not report that they were very satisfied with any item listed.

***Highest degree attained as of 2003*****B3HDG03**

The highest degree the respondent had attained as of 2003.

- Bachelor’s (includes postbaccalaureate certificates)
- Master’s (includes post-master’s certificates)
- Doctoral/first-professional

***Field of advanced degree*****B3HDGMAJ**

For respondents who completed a master’s, doctoral, or first-professional degree, this variable indicates the respondent’s major field of study for the highest degree program that the respondent completed. If the highest degree program information was collected in 2003, the major code was recoded to match the major codes collected in 1997. The major field for the most recent degree program was used if there were two or more programs that qualified for the highest degree.

- Business and management
- Education
- Health
- Arts and humanities
- Social and behavioral sciences
- Science/mathematics/engineering
- Other

***Educational expectations in 2003*****B3HIGHE2**

Indicates the educational expectations as of the final interview in 2003. Response to the question “What is the highest level of education you ever expect to complete?” Respondents who indicated an expected level of education lower than their current level of education were recoded to their current level of education as the highest they expect to complete.

- Bachelor’s degree (includes postbaccalaureate certificates)
- Master’s degree (includes post-master’s certificates)
- Doctoral/first-professional degree

***Assist in hiring/firing decisions*****B3HIRE**

Response to the question “In your current/most recent job, do/did you participate in hiring and/or firing decisions?” (yes/no) Refers to the current (2003) job or, for those not working in 2003 but who have worked at some point since 1997, the most recent job.

*DAS variable name*

***Home ownership***

**B3HOMOWN**

Response to the question “Do you own or rent your primary residence?”

Own  
Rent  
Neither own nor rent

***Wrote letter***

**B3LETTR**

Response to the question “In the last two years, have you done any of the following to express your opinion to a public official?” The activities listed were writing a letter, writing an e-mail, and making a telephone call. This variable refers to writing a letter. (yes/no)

***Labor force participation***

**B3LFP03**

The type of labor force participation at the time of the interview in 2003. This variable was used both to indicate labor force participation (all categories listed) and, when only employed respondents are included, their employment status (full-time, one job; part-time, one job; and multiple jobs).

Employed, total  
Full-time, one job  
Part-time, one job  
Multiple jobs  
Unemployed  
Out of the labor force

***Marital status***

**B3MAR**

Respondents were asked “Are you currently: single, never married; married; cohabiting/living with a partner; separated; divorced; or widowed?” This report presents both the distribution across all of these categories, as well as other estimates using the following groups:

|                            |   |
|----------------------------|---|
| Single, never married      | Single, never married                     |
| Married or cohabiting      | Married; Cohabiting/living with a partner |
| Separated/divorced/widowed | Separated; Divorced; Widowed              |

***Number of dependents younger than age 18***

**B3NUMCH**

Indicates the total number of dependent children younger than age 18 the respondent had in 2003. Used to identify both the distribution of respondents who had none, one, two, or three or more, as well as the percentage who had any dependents (value greater than 0).

***Occupation***

**B3OCCAT**

Indicates the occupational category that best describes the respondent’s job in 2003. Refers to the current (2003) job or, for those not working in 2003 but who have worked since 1997, the most recent job. Respondents who did not work at any time since 1997 are excluded from this item.



|   |  | <i>DAS variable name</i> |
|---|--|--------------------------|
| <i>Occupation—continued</i>               |  | <b>B3OCCAT</b>           |
| Business and management                   | Business/financial support services, Financial services professionals, Executive manager, Mid-level manager, Supervisory, office, and other administrators, Business—other, Managers—other   |                          |
| Education                                 | K–12 teachers, Instructors other than K–12, Education—other  |                          |
| Health professions                        | Medical practice professional, Medical licensed professional, Medical services, Medical—other  |                          |
| Service industries                        | Personal services, Cooks, chefs, bakers, cake decorators, Sales/purchasing, Customer service, Health/recreation services   |                          |
| Research, other professional/technical    | Scientist, statistician professionals, Research assistant/lab technicians, Technical/professional workers, Computer and computer equipment operators, Computer—other, Professional/technical/sciences—other, Protective services, Legal professionals, Human services, Communication specialists, Performers/artists   |                          |
| Engineering/architecture/computer science | Engineers, architects, software/systems engineers, Computer systems/related professional/technical, Computer programmers   |                          |
| Other                                     | Secretary/receptionist, Legal support, Cashiers, tellers, sales clerks, Clerks—data entry, Clerical—other, Farmers, foresters, farm laborers, Laborers (other than farm), Mechanics, repairers, service technicians, Craftsmen, Skilled operatives, Transport operatives (other than pilot), Military, Craftsmen/laborers—other, Law—other, Operatives—other |                          |

*Detailed degree program***B3PGTYP**

Applies to respondents who had completed an advanced degree since 1997. This variable identifies the program type for the highest such degree the respondent attained since 1997. The most recent program was used if there were two or more degrees that qualified for the highest graduate degree. Categories used were as follows:

|                       |  |
|-----------------------|--|
| M.B.A.                | Master of Business Administration  |
| Master's in education | Master of Education (M.Ed.)  |
| Other master's        | Master of Science (M.S.), Master of Arts (M.A.), Master of Public Administration (M.P.A.), Master of Library Science (M.L.S.), Master of Public Health (M.P.H.), Master of Fine Arts (M.F.A.), Master of Applied Arts (M.A.A.), Master of Divinity (M.Div.), Master of Social Work (M.S.W.), Other unspecified master's, Post-master's certificate |
| Law                   | L.L.B., J.D.   |
| Medicine              | Medicine, osteopathic medicine   |

|  | <i>DAS variable name</i>  |
|--|---|
| <b><i>Detailed degree program—continued</i></b>  | <b>B3PGTYP</b>  |
| Other first-professional   | Ministry, dentistry, chiropractic, pharmacy, optometry, podiatry, veterinary medicine, Other unspecified professional   |
| Ph.D.  | Doctor of Philosophy  |
| Other doctoral   | Education (Ed.D.), Doctor of Science (D.Sc./S.C.D.), Doctor of Psychology (Psy.D.), Doctor of Business or Public Administration, Doctor of Fine Arts, Doctor of Theology, other unspecified doctorate |
| <b><i>Took paid leave</i></b>  |   |
| <b><i>Average paid leave, in months</i></b>  | <b>B3PLEAV</b>  |
| The length of paid leave the respondent took from work (in months) to care for a child or children. This variable is used both to determine those who took any paid leave (a value greater than 0) and, for those who did, the average length of the leave they took.  |   |
| <b><i>Attended political meetings/rallies</i></b>  | <b>B3POLIT</b>  |
| Response to the question “In the last 2 years, did you attend any political meetings, rallies, dinners, or similar types of events?” (yes/no)  |   |
| <b><i>No political contacts made</i></b>   | <b>B3POLTW</b>  |
| Response to the question “In the last two years, have you done any of the following to express your opinion to a public official?” The activities listed were writing a letter, writing an e-mail, and making a telephone call. This variable identifies respondents who did not report having made any of these types of political contacts. (yes/no) |   |
| <b><i>Child attends private school</i></b>   | <b>B3PRIVT</b>  |
| Respondents with dependents ages 5–17 were asked “Does your child/Do any of your children attend a private elementary or secondary school?” (yes/no)   |   |
| <b><i>Research assistantship</i></b>   | <b>B3RESAST</b>   |
| Indicates whether the respondent ever received a research assistantship to cover the costs of graduate school. (yes/no)  |   |
| <b><i>Region of current residence</i></b>  | <b>B3REGION</b>   |
| Indicates region of respondent’s current residence as of 2003. The resulting regions are as follows:   |   |
| Northeast  | Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont   |

|   | <i>DAS variable name</i>  |
|---|---|
| <b><i>Region of current residence—continued</i></b>   | <b>B3REGION</b>   |
| Midwest   | Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin   |
| South   | Alabama, Arizona, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, New Mexico, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, West Virginia |
| West  | Alaska, California, Colorado, Hawaii, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming   |
| Outlying areas  | Armed Forces Africa, Armed Forces Pacific, Marshall Islands, Puerto Rico, Virgin Islands  |
| <br><b><i>Out of labor force for childrearing</i></b>   | <br><b>B3RSNOB</b>  |
| Respondents who reported having been out of the labor force for any time since 1997 were asked whether a number of items were reasons that they had been out of the labor force. This variable indicates whether the respondent reported that one reason for being out of the labor force was to raise a family. (yes/no)                     |   |
| <br><b><i>Worked part time for childrearing</i></b>   | <br><b>B3RSNPC</b>  |
| Respondents who had worked part time at any time since 1997 were asked whether a number of items were reasons they had done so. This variable indicates whether the respondent reported that one reason for working less than full time was for family responsibilities. (yes/no)   |   |
| <br><b><i>Set salary rates for others</i></b>   | <br><b>B3SETSAL</b>   |
| Response to the question “In your current/most recent job, do/did you participate in setting salary rates for other employees?” (yes/no) Refers to the current (2003) job or, for those not working in 2003 but who have worked since 1997, the most recent job.  |   |
| <br><b><i>Same state as bachelor’s institution</i></b>  | <br><b>B3STBA</b>   |
| Indicates whether the respondent lived, in 2003, in the same state where the baccalaureate institution is located (yes/no).   |   |
| <br><b><i>Same state as home state</i></b>  | <br><b>B3STHM</b>   |
| Indicates whether respondents lived, in 2003, in the same state as the state they identified as their “home” state during the time that they were working on their 1992–93 bachelor’s degree. (yes/no) (In the case of traditional students, this is typically the state in which they attended high school or in which their parents lived.) |   |

|   | <i>DAS variable name</i> |
|---|--------------------------|
| <b><i>Supervise work of others</i></b>  | <b>B3SUPRVS</b>          |
| Response to the question “In your current/most recent job, do/did you supervise the work of others?” (yes/no) Refers to the current (2003) job or, for those not working in 2003 but who have worked since 1997, the most recent job.   |                          |
| <b><i>Teaching assistantship</i></b>  | <b>B3TEAAST</b>          |
| Indicates whether the respondent ever received a teaching assistantship to cover the costs of graduate school. (yes/no)   |                          |
| <b><i>Made phone call to public official</i></b>  | <b>B3TELPN</b>           |
| Response to the question “In the last two years, have you done any of the following to express your opinion to a public official?” The activities listed were writing a letter, writing an e-mail, and making a telephone call. This variable refers to making a telephone call. (yes/no)                                 |                          |
| <b><i>Tuition waiver</i></b>  | <b>B3TUIRED</b>          |
| Indicates whether the respondent ever received a tuition waiver or reduction to cover the costs of graduate school. (yes/no)  |                          |
| <b><i>Undergraduate education was very important preparation for:</i></b>   |                          |
| <i>Work and career</i>  | <b>B3UGPRA</b>           |
| <i>Further education</i>  | <b>B3UGPRB</b>           |
| <i>Financial security</i>   | <b>B3UGPRC</b>           |
| <i>None</i>   | <b>B3UGPRD</b>           |
| Response to the question “For which of the following aspects of your life now would you say your undergraduate education was very important preparation?” (yes/no for each item) B3UGPRD indicates respondents who reported that their undergraduate education was very important to none of these areas.                 |                          |
| <b><i>Aspects of undergraduate education that are very important now:</i></b>   |                          |
| <i>Major</i>  | <b>B3UGVLA</b>           |
| <i>Liberal arts courses</i>   | <b>B3UGVLB</b>           |
| <i>Professional courses</i>   | <b>B3UGVLC</b>           |
| <i>Quality of instruction</i>   | <b>B3UGVLD</b>           |
| <i>Internship/other work opportunities</i>  | <b>B3UGVLE</b>           |
| <i>None</i>   | <b>B3UGVLF</b>           |
| Response to the question “Which of the following aspects of your undergraduate education would you consider to be very important to your life now?” (yes/no for each item) B3UGVLF indicates respondents who reported that none of these aspects of their undergraduate education were very important to their lives now. |                          |

*DAS variable name****Undergraduate education worth cost, time, and/or effort:***

|                         |                |
|-------------------------|----------------|
| <i>Financial cost</i>   | <b>B3UGWRA</b> |
| <i>Amount of time</i>   | <b>B3UGWRB</b> |
| <i>Amount of effort</i> | <b>B3UGWRC</b> |
| <i>None</i>             | <b>B3UGWRN</b> |

Respondents were asked to indicate whether their undergraduate education was worth the financial cost, amount of time, and amount of effort it took to complete the bachelor's degree (yes/no for each item). B3UGWRN indicates respondents who reported that their undergraduate education was worth none of the investments listed.

***Average total months unemployed*****B3UTIMT**

The total number of months the respondent reported being unemployed since 1997 for respondents who reported they had been unemployed at least once since 1997.

***Average volunteering hours in past year*****B3VLAMT**

The total number of hours volunteered in the past year as of the 2003 interview. This variable was calculated based on the frequency of volunteer work and the average number of hours per volunteer episode, as reported by the respondent.

***Frequency of volunteer work*****B3VLFRQ**

Response to the question "How frequently did you volunteer last year?" This question was asked of those who reported as of 2003 that they had done any community service in the last year.

- One-time event
- Less than once a month
- Monthly
- Weekly
- Daily

***Type of volunteer work:***

|   |                 |
|---|-----------------|
| <i>Education-related</i>                | <b>B3VLTPA</b>  |
| <i>Other work with kids</i>             | <b>B3VLTPB</b>  |
| <i>Fundraising</i>                      | <b>B3VLTPC</b>  |
| <i>Homeless/other poverty-related</i>   | <b>B3VLTPD</b>  |
| <i>Service to religious institution</i> | <b>B3VLTP E</b> |

Respondents who had done community service in the past year as of 2003 were asked "What type of community service or volunteer work did you do? Donations (blood, food, clothing, money, etc.) not included." (yes/no for each item)

***Voted in 2002 election*****B3VTNEL**

Respondents who were U.S. citizens or U.S. nationals were asked in 2003 "Did you vote in the November 2002 election?" (yes/no)

*DAS variable name*

***Registered to vote in 2003***

**B3VTREG**

Respondents who were U.S. citizens or U.S. nationals were asked in 2003 “Are you registered to vote in U.S. elections?” (yes/no)

***Participated in work-related classes***

**B3WRKCLS**

Respondents were asked in 2003 “In the last twelve months, have you participated in any work-related training or other professional development classes?” (yes/no)

***Baccalaureate degree major***

**BAMAJOR**

Major field of study for the bachelor’s degree. “Other” includes such fields as agriculture, communications, consumer and personal services, home economics, interdisciplinary studies, industrial arts, and general or basic studies.

Business and management  
Education  
Engineering  
Health  
Public affairs/social services  
Humanities  
Social and behavioral sciences  
Natural science and mathematics  
Other

***Age at bachelor’s degree completion***

**CCAGEBA**

Indicates the respondent’s age when he or she received the 1992–93 bachelor’s degree. The following categories are used:

22 or younger  
23–24  
25–29  
30 or older

***Puerto Rico indicator***

**COMPTO87**

This variable identifies whether the institution at which the respondent was sampled was located in Puerto Rico or not. (yes/no)

***Gender***

**GENDER**

Student’s gender.

Male  
Female

|  | <i>DAS variable name</i> |
|--|--------------------------|
| <b><i>Cumulative undergraduate GPA</i></b> | <b>GPACUM</b>            |

Student's grade-point average (GPA) on a 4.0 scale. The following categories are used:

Less than 2.75  
2.75–3.74  
3.75 or higher

|                                |                 |
|--------------------------------|-----------------|
| <b><i>Prior attainment</i></b> | <b>HIOTHDEG</b> |
|--------------------------------|-----------------|

The highest degree the respondent had completed before completing the 1992–93 bachelor's degree. This variable was used to restrict the sample used in the main analysis to those who did not hold a bachelor's degree before the degree completed in 1992–93.

|                                  |   |
|----------------------------------|---|
| Held a bachelor's degree         | Bachelor's degree   |
| Did not hold a bachelor's degree | No prior attainment<br>Certificate or license<br>Associate's degree |

|  |              |
|--|--------------|
| <b><i>Parents' highest education</i></b> | <b>PEDUC</b> |
|--|--------------|

The highest level of education of either parent.

High school diploma or less  
Some postsecondary education  
Bachelor's degree  
Advanced degree

|  |                 |
|--|-----------------|
| <b><i>Bachelor's degree-granting institution</i></b> | <b>SECTOR_B</b> |
|--|-----------------|

Describes the type of institution from which respondents had received the 1992–93 bachelor's degree. This variable takes into account both institutional level (the institution's highest offering, length of program, and type of certificate, degree, or award), and control (the institution's source of revenue and control of operations).

|                               |  |
|-------------------------------|--|
| Public 4-year                 | Public non-doctorate-granting 4-year, Public doctorate-granting 4-year   |
| Private not-for-profit 4-year | Private not-for-profit non-doctorate-granting 4-year, Private not-for-profit doctorate-granting 4-year   |
| Other                         | Private for-profit, unknown (a small percentage of respondents were selected from institutions that were not the bachelor's degree-granting institution) |

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## Appendix B—Technical Notes and Methodology

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### The 1993–2003 Baccalaureate and Beyond Longitudinal Study

The estimates and statistics reported in the tables and figures of this report are based on data from the first, second, and third follow-ups of the 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03). This study tracks the experiences of a cohort of college graduates who received a baccalaureate degree during the 1992–93 academic year and were first interviewed as part of the 1992–93 National Postsecondary Student Aid Study (NPSAS:93), conducted by the U.S. Department of Education’s National Center for Education Statistics. NPSAS:93 was based on a nationally representative sample of all students in postsecondary education institutions, including undergraduate, graduate, and first-professional students. For NPSAS:93, information was obtained from more than 1,000 postsecondary institutions on about 53,000 undergraduates and over 13,000 graduate students. For B&B:93/03, those members of the NPSAS:93 sample who completed a bachelor’s degree between July 1, 1992 and June 30, 1993 were identified and contacted for a 1-year follow-up interview in 1994. The second follow-up of the B&B cohort occurred 4 years after graduation in 1997. The final follow-up 10 years after graduation, in 2003, is the focus of this report. The estimates in this report are based on the results of surveys with approximately 9,000 bachelor’s degree recipients, representing about 1.2 million bachelor’s degree completers from 1992–93. For more information on the final 2003 data collected in the B&B series, consult the *1993/03 Baccalaureate and Beyond Longitudinal Study (B&B:93/03) Methodology Report* (Wine et al. 2005).

The NPSAS:93 sample, while representative and statistically accurate, was not a simple random sample. Instead, the survey sample was selected using a more complex three-step procedure with stratified samples and differential probabilities of selection at each level. Postsecondary institutions were initially selected within geographic strata. Once institutions were organized by zip code and state, they were further stratified by control (i.e., public, private not-for-profit, or private for-profit) and degree offering (less-than-2-year, 2- to 3-year, 4-year non-doctorate-granting, and 4-year doctorate-granting). For more information about the NPSAS:93 survey, refer to the *Methodology Report for the National Postsecondary Student Aid Study, 1992–93* (Loft et al. 1995).

The 1994 B&B survey was the first follow-up interview of NPSAS:93 participants who received their bachelor's degrees between July 1992 and June 1993. Of 12,500 NPSAS:93 respondents who were identified as potentially eligible for the first follow-up survey, about 1,500 were determined to be ineligible. A total of about 10,000 eligible individuals completed the 1994 interview. Data collection for the second follow-up interview of the B&B cohort took place between April and December 1997. A total of over 11,000 individuals in the B&B cohort were determined eligible for follow-up in 1997. For the second follow-up, over 10,000 individuals completed the interview, yielding a response rate of 90 percent. For more information on procedures for the first and second follow-ups, consult the respective methodology reports (Green et al. 1996 for the first follow-up and Green et al. 1999 for the second follow-up).

In spring 2003, the third and final follow-up of the 1992–93 cohort of bachelor's degree recipients was conducted. For the first time, students were offered the opportunity to conduct their own B&B interview via the Internet. A single, web-based interview was designed and programmed for use as a self-administered interview, a telephone interview, and an in-person interview. All respondents to the 1997 interview were included for participation in B&B:93/03. A subsample of about one-third of nonrespondents from 1997 was also included, for a final sample of about 10,400. Almost 9,000 individuals responded, yielding a weighted overall response rate of 74 percent, reflecting an institution response rate (in 1992) of 88 percent and a student response rate (in 2003) of 83 percent. For more details about these and other methodological procedures, consult the B&B:93/03 methodology report (Wine et al. 2005).

The B&B:93/03 data provide a current profile of the 1992–93 cohort of college graduates, including degree recipients who have been enrolled sporadically over time as well as those who went to college right after completing high school. The data set contains comprehensive data on graduate enrollment, attendance, attainment, and student demographic characteristics. It provides a unique opportunity to understand variations in labor force participation, career stability, and financial worth over the past 10 years. There are data limitations, however. This follow-up was the conclusion of a 10-year study, and some attrition from the study is to be anticipated, although bachelor's degree recipients are likely to be relatively easier to locate than other populations and considerable efforts were undertaken both to minimize the extent of this problem and to adjust for its effects in the data (see Wine et al. 2005). Second, the previous waves of data collection for B&B:93/03 collected detailed information about complete education and employment histories for periods of 1 and 3 years, respectively; the final follow-up collected information for a period of 6 years, from the second follow-up in 1997 to the third in 2003. To ease respondent burden, summary information about employment histories was collected rather than complete, detailed information about each job held in the interim. For information on steps taken to ensure data

quality by evaluating instrument usability, effectiveness of the instrument in different modes, and data collection design, consult the B&B:93/03 methodology report (Wine et al. 2005).

## **Weighting**

All estimates in this report are weighted to compensate for unequal probability of selection into the B&B sample and to adjust for nonresponse. Two weights were developed. Cross-sectional weights were constructed for analyzing respondents to B&B:93/03. In addition, a panel (longitudinal) weight was constructed for analyzing those students who responded to all four surveys: NPSAS:93 (computer-assisted telephone interview component) and the 1994, 1997, and 2003 B&B interviews. The weights for the B&B:93/03 respondents were constructed by applying a series of adjustments to the 1994 B&B base weight. Adjustments were made to account for subsampling of nonrespondents from 1997, for sample members not located, for refusals among those who were located, and for types of nonresponse other than refusals among those who were located and did not refuse. Construction of the panel weight to be used for analyzing those who responded to all four surveys consisted of an additional adjustment for nonresponse for the B&B:93/03 respondents who did not respond to all three of the previous surveys. The weight variable used in this report is WTC00. For more information on weighting, consult chapter 6, “Weighting and Variance Estimation,” of the 2003 methodology report (Wine et al. 2005).

## **Quality of Estimates**

Survey weights are computed with the goal of removing any bias that might result due to differential nonresponse and undercoverage. In order to measure the efficacy of bias-reducing adjustments, a series of analyses were conducted at the item and record levels. In the subsequent sections highlights of these analyses are summarized.

### ***Unit Response Rates and Bias Analysis***

For the approximately 10,400 sample students who were still eligible for B&B, the unweighted response rate was 86.3 percent, and the weighted response rate was 83.4 percent. For some items, the weighted response rate at the national level was also less than 85 percent. The effects of any potential bias due to nonresponse can influence overall data quality with greater proportions of missing information. Consequently, nonresponse bias analyses were conducted at the student and item levels when the corresponding weighted response rates were below 85 percent.

The bias in an estimated mean based on respondents,  $\bar{y}_R$ , is the difference between this estimate and the target parameter,  $\mu$ , which is the mean that would result if a complete census of the target population was conducted and all units responded. This bias can be expressed as follows:

$$B(\bar{y}_R) = \bar{y}_R - \mu$$

However, for variables that are available from the frame and base year (NPSAS:93) respondents,  $\mu$  can be estimated by  $\hat{\mu}$  (the sample estimate of the population parameter) without sampling error, in which case the bias in  $\bar{y}_R$  can then be estimated by:

$$\hat{B}(\bar{y}_R) = \bar{y}_R - \hat{\mu}$$

Moreover, an estimate of the population mean based on respondents and nonrespondents can be obtained by:

$$\hat{\mu} = (1 - \hat{\eta}) \bar{y}_R + \hat{\eta} \bar{y}_{NR}$$

where  $\hat{\eta}$  is the weighted unit nonresponse rate, based on weights prior to nonresponse adjustment. Consequently, the bias in  $\bar{y}_R$  can then be estimated by:

$$\hat{B}(\bar{y}_R) = \hat{\eta} (\bar{y}_R - \bar{y}_{NR})$$

That is, the estimate of the nonresponse bias is the difference between the mean for respondents and nonrespondents multiplied by the weighted nonresponse rate, using the student base weight prior to nonresponse adjustment.

### *Student-Level Nonresponse Bias Analysis*

A student respondent is defined as any sample member who is determined to be eligible for the study and has valid data for the selected set of analytical variables. As noted earlier, the unweighted student response rate was 86.3 percent, and the weighted response rate was 83.4 percent. A nonresponse bias analysis was conducted as a part of the nonresponse adjustment for the analysis weight. The nonresponse bias was estimated for the variables known for both respondents and nonrespondents within each institution type. These variables included the following:

- Age in the base year (NPSAS:93),
- Race/ethnicity,
- Gender,
- U.S. citizenship status,
- Attendance status in the base year,
- Institution control,

- Bureau of Economic Analysis Code (OBE) Region,
- Type of institution/enrollment category,
- B&B institution stratum,
- B&B student stratum,
- Whether applied for aid in the base year,
- Receipt of federal aid in the base year,
- Receipt of Pell Grant in the base year,
- Receipt of Stafford Loan in the base year,
- Receipt of state aid in the base year,
- Receipt of institution aid in the base year,
- Receipt of any aid in the base year,
- Prior respondent to either 1994 or 1997 interview,
- Income in the base year (parent income for dependent students and student income for independent students),
- Number of telephone numbers available during B&B:93/03 data collection,
- Number of times an answering machine was encountered during B&B:93/03, and
- Whether the student was located in a field cluster for B&B:93/03.

The steps for nonresponse bias analysis included estimating the nonresponse bias and testing (adjusting for multiple comparisons) to determine if the bias is significant at the 5 percent level. Second, nonresponse adjustment factors were computed using a subset of variables listed above. The nonresponse adjustments were designed to significantly reduce or eliminate nonresponse bias for variables included in the corresponding models. Third, after the weights were computed, any remaining bias was estimated for the variables listed above and statistical tests were performed to determine the significance of any remaining nonresponse bias.

The weighting adjustments reduced, and in some cases eliminated, bias for students. Prior to the nonresponse weighting adjustment, the response bias was statistically significantly different from zero for 21 percent of the variables; the mean of the absolute values of the biases was 0.40 and the median was 0.20. After the nonresponse weighting adjustment, none of the biases were significantly different from zero; the mean of the absolute values of the biases was 0.01 and median was 0.002.

### *Item-Level Bias Analysis*

Item response rates (*RRI*) are calculated as the ratio of the number of respondents for whom an in-scope response was obtained ( $I^x$  for item  $x$ ) to the number of respondents who are asked to answer that item. The number asked to answer an item is the number of unit level respondents ( $I$ ) minus the number of respondents with a valid skip item for item  $x$  ( $V^x$ ).

$$RRI^x = \frac{I^x}{I - V^x}$$

As indicated above, nonresponse bias analysis was conducted for the variables with item response rates below 85 percent. This analysis was further restricted to items with at least 50 students who were either eligible to answer the item based on their response to the gate question, or who did not respond to the gate question for an item. This bias analysis compared the distributions of respondents and nonrespondents to the item for the variables age, race/ethnicity, gender, control of the base year institution, and OBE region of the base year institution. Overall, item nonresponse analysis was conducted for 117 items, but 106 of these had response rates below 85 percent because the respondent did not respond to the gate question. The nonresponse bias analysis indicated that some items do have statistically significant bias due to item nonresponse, but the magnitude of the bias is generally small. None of the 117 items were used in this publication. Response rates for items used in this report that had weighted item response rates below 90 percent are shown in table B1. For detailed information about the items analyzed for nonresponse bias, see the B&B:93/03 methodology report (Wine et al. 2005).

**Table B1. Variables used in this report with weighted response rates below 90 percent**

| Variable name | Variable label   | Item response rate |
|---------------|--|--------------------|
| B3EDSVA       | Respondents reported using a traditional savings account to save for their child's college education.  | 88.0               |
| B3EDSVB       | Respondents reported using a money market account to save for their child's college education.         | 88.0               |
| B3EDSVC       | Respondents reported using a certificate of deposit to save for their child's college education.       | 88.0               |
| B3ESSVD       | Respondents reported using a state-sponsored savings plan to save for their child's college education. | 88.0               |
| B3EDSVE       | Respondents reported using a Roth IRA to save for their child's college education.                     | 88.0               |
| B3EDSVF       | Respondents reported using a tuition prepayment plan to save for their child's college education.      | 88.0               |
| B3EDSVX       | Respondents reported using other savings methods to save for their child's college education.          | 88.0               |

NOTE: Weighted item response rates were calculated by dividing the total weighted number of valid responses by the total population for whom the question was applicable.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

## Imputation

Selected variables from the 2003 interview had missing values imputed for nonresponse. The imputations were performed in three steps. In the first step, the interview variables were imputed using the procedures described in the next section. Then, using the interview variables, including the newly imputed variable values, derived variables (created by combining information from two or more interview variables) were constructed. In the final step, selected derived variables with remaining missing cases were imputed again, using the procedures described below. Table B2 lists the interview variables and table B3 lists the derived variables used in this report that were imputed, showing the percentage of cases imputed for each variable.

**Table B2. B&B:93/03 interview variables used in this report that were imputed, with percentage of cases imputed**

| Variable label (variable name)                            | Percent imputed |
|---|-----------------|
| Marital status (B3MAR)                                    | 1.24            |
| Community service or volunteer past year (B3COMSRV)       | 0.99            |
| Volunteer: education-related (B3VLTPA)                    | 1.04            |
| Volunteer: other work with kids (B3VLTPB)                 | 1.04            |
| Volunteer: fundraising (B3VLTPC)                          | 1.04            |
| Volunteer: help for homeless/community (B3VLTPD)          | 1.04            |
| Volunteer: service to the church (B3VLTP E)               | 1.04            |
| Volunteer: frequency (B3VLFRQ)                            | 1.08            |
| Registered to vote (B3VTREG)                              | 1.68            |
| Voted in the November 2002 National Election (B3VTNEL)    | 8.79            |
| Political activities past 2 years (B3POLIT)               | 1.16            |
| Make a telephone call (B3TELPN)                           | 0.85            |
| Undergraduate value: particular major(s) chosen (B3UGVLA) | 0.02            |
| Undergraduate value: professional courses taken (B3UGVLC) | 0.02            |
| Undergraduate value: quality of instruction (B3UGVLD)     | 0.02            |
| Undergraduate value: internship and other work (B3UGVLE)  | 0.02            |
| Undergraduate value: none of the above (B3UGVLF)          | 0.02            |
| Undergraduate preparation: work and career (B3UGPRA)      | 0.02            |
| Undergraduate preparation: further education (B3UGPRB)    | 0.02            |
| Undergraduate preparation: financial security (B3UGPRC)   | 0.02            |
| Undergraduate education worth cost (B3UGWRA)              | 0.37            |
| Undergraduate education worth time (B3UGWRB)              | 0.21            |
| Undergraduate education worth effort (B3UGWRC)            | 0.76            |

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table B3. B&B:93/03 derived variables used in this report that were imputed, with percentage of cases imputed**

| Variable label (variable name)                                   | Percent imputed |
|--|-----------------|
| Labor force in participation 2003 (B3LFP03)                      | 0.75            |
| Occupational category (collapsed) (B3OCCAT)                      | 0.23            |
| Total number of dependent children in 2003 (B3NUMCH)             | 2.99            |
| Wrote letter or e-mail to public official 2003 (B3WROTE)         | 0.85            |
| Highest degree attained (B3HDG03)                                | 1.95            |
| Had ever enrolled in a degree program after BA in 1993 (B3ENRPG) | 6.53            |
| Currently enrolling in a degree program (B3CURENR)               | 0.46            |
| Current salary 2003, all respondents (B3CRSAL)                   | 3.02            |

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

Sequential hot deck imputation, a common procedure for managing item nonresponse, uses respondent data as donors to provide surrogate values for records with missing data. In sequential hot deck imputation, imputation classes are defined, generally consisting of a cross-classification of covariates, and then missing values are replaced sequentially from a single pass through the data within the imputation classes. A related procedure, weighted sequential hot deck imputation, takes into account the unequal probabilities of selection into the original sample by using the sampling weights to specify the expected number of times a particular respondent’s answer will be used to replace a missing item. The expected selection frequencies are specified such that, over repeated applications of the algorithm, the expected value of the weighted distribution of the imputed values will equal in expectation, within imputation class, the weighted distribution of the reported answers.

Weighted sequential hot deck imputation was selected for B&B:93/03 in part because it has the advantage of controlling the number of times a respondent record can be used for imputation and gives each respondent record the chance to be selected for use as a hot deck donor. To implement the procedure, imputation classes and sorting variables relevant to each item being imputed were defined. If more than one sorting variable was used, a serpentine sort was performed in which the direction of the sort (ascending or descending) changed each time the value of the previous sorting variable changed. The serpentine sort minimized the change in student characteristics every time one of the sorting variables changed its value.

Imputation classes for the B&B:93/03 interview variables, and some of the derived variables, were developed using a Chi-Square Automatic Interaction Detector (CHAID) analysis where only respondent data were modeled (Kass 1980). The CHAID segmentation process first divided the data into groups based on categories of the most significant predictor of the item being imputed, and then split each of the groups into smaller subgroups based on the other



predictor variables. The CHAID process also merged categories for variables found not to be significantly different. This splitting and merging process continued until no additional statistically significant predictors were found. Imputation classes for B&B:93/03 were then defined from the final CHAID segments.

### ***Imputation of Interview Variables***

The B&B:93/03 computer-assisted telephone interviewing (CATI) variables were separated into two groups depending on the respondent base (or variable conditions). The first, unconditional group consisted of variables that applied to all respondents. The second, conditional group consisted of variables that applied to only a subset of respondents. Within the unconditional group, variables were sorted by percentage missing and then imputed in order, from lowest percentage missing to highest. Within the conditional group, the variables were first sorted by conditionality and percentage missing, then imputed in the appropriate sequence. Since all CATI variables had less than 10 percent missing, a constant set of predictor variables was used in a CHAID analysis to determine imputation classes for each imputation variable. The analysis used the following set of predictor variables: age, gender, race/ethnicity, U.S. citizenship, dependency status, prior respondent, receipt of federal aid, and institutional region, institutional type, and institutional level. Some of these predictor variables were missing for a small percentage of cases and were imputed first with a weighted sequential hot deck imputation.

### ***Imputation of Derived Variables***

Selected derived variables for B&B:93/03 were imputed sequentially in four batches, using a specific order determined by the variable conditions resulting from the longitudinal nature of this study. Imputing sequentially allowed these derived variables (or further derived variables resulting from them) to be used as class variables for imputing variables in subsequent batches. The process helped to ensure consistency across derived variables.

Most of the derived variables had several constraints defined by different combinations of data collected in prior rounds of the study. Therefore, a procedure for finding appropriate donor cases was developed before the imputation was performed. The procedure involved defining mutually exclusive groups or classes of respondents that met the constraints. The groups were used as the imputation classes for the weighted sequential hot deck imputation procedure. For the derived variables that did not have any constraints, a CHAID analysis was performed. The predictor variables included any prior imputed variables, including interview variables.

## ***Evaluation of Imputations***

Comparing distributions within imputation classes before and after imputation is a key measure for determining whether or not the weighted sequential hot deck imputation procedure produced acceptable results. The distribution of a variable before missing cases are imputed is compared to the distribution of the variable after missing cases are imputed. The more similar the distributions, the more successful the imputation process. For evaluation of the B&B:93/03 imputation results, distributions were considered to be similar when absolute differences were less than 5 percent. For categorical variables, absolute differences were calculated by subtracting the before-imputation weighted percentage from the after-imputation weighted percentage for each category and summing the absolute values of the differences. For continuous variables, absolute differences were calculated by comparing the before and after imputation means. If absolute differences greater than 5 percent were found, then the unweighted distributions were examined to see if the large differences were due to small sample sizes. No absolute differences greater than 5 percent were found for any comparison.

## **Data Analysis System**

The estimates presented in this report were produced using the B&B:93/03 Data Analysis System Online (DAS) which includes data from the NPSAS:93 base year and the 1994, 1997, and 2003 B&B interviews. The web-based DAS application makes it possible for users to specify and generate their own tables. With the DAS, users can replicate or expand upon the tables presented in this report. In addition to the table estimates, the DAS calculates proper standard errors<sup>1</sup> and weighted sample sizes for these estimates. For example, table B4 contains standard errors that correspond to estimates in table 1 of the report. Table B5 provides distributions of demographic and educational variables frequently used in this report. If the number of valid cases is too small to produce a reliable estimate (fewer than 30 cases), the DAS prints the message “low-n” instead of the estimate. All standard errors for estimates presented in this report can be viewed at <http://nces.ed.gov/das/library/reports.asp>. In addition to tables, the DAS will also produce a correlation matrix of selected variables to be used for linear regression models. Included in the output with the correlation matrix are the design effects (DEFTs) for each variable in the matrix. Since statistical procedures generally compute regression coefficients based on simple random sample assumptions, the standard errors must be adjusted with the design effects to take into account the stratified sampling method used in the survey.

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<sup>1</sup> The B&B sample is not a simple random sample, and therefore, simple random sample techniques for estimating sampling error cannot be applied to these data. The DAS takes into account the complexity of the sampling procedures and calculates standard errors appropriate for such samples.

The DAS can be accessed electronically at <http://nces.ed.gov/das/>. For more information about the B&B:93/03 Data Analysis System, contact:

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**Table B4. Standard errors for table 1: Percentage of 1992–93 bachelor's degree recipients who enrolled in an advanced degree program, by demographic and educational characteristics: 2003**

| Selected characteristics                          | All graduates       |           |                    |                         |
|---|---------------------|-----------|--------------------|-------------------------|
|   | Total ever enrolled | Completed | Currently enrolled | Left without completing |
| U.S. total (excluding Puerto Rico)                | 0.81                | 0.67      | 0.39               | 0.44                    |
| Total (50 states, D.C., and Puerto Rico)          | 0.79                | 0.65      | 0.39               | 0.44                    |
| Gender  |                     |           |                    |                         |
| Male  | 0.97                | 0.93      | 0.51               | 0.56                    |
| Female  | 1.20                | 1.02      | 0.53               | 0.60                    |
| Parents' highest education                        |                     |           |                    |                         |
| High school diploma or less                       | 1.44                | 1.05      | 0.63               | 0.69                    |
| Some postsecondary education                      | 1.73                | 1.53      | 0.98               | 1.10                    |
| Bachelor's degree                                 | 1.40                | 1.31      | 0.88               | 0.81                    |
| Advanced degree                                   | 1.33                | 1.52      | 0.60               | 0.80                    |
| Baccalaureate degree major                        |                     |           |                    |                         |
| Business and management                           | 1.57                | 1.49      | 0.51               | 0.92                    |
| Education   | 1.66                | 1.76      | 0.73               | 1.18                    |
| Engineering                                       | 2.59                | 2.65      | 1.36               | 1.23                    |
| Health  | 2.61                | 1.99      | 1.86               | 1.37                    |
| Public affairs/social services                    | 4.45                | 3.07      | 2.01               | 1.98                    |
| Humanities  | 2.44                | 1.93      | 0.91               | 1.33                    |
| Social and behavioral sciences                    | 2.34                | 1.60      | 1.35               | 1.17                    |
| Natural sciences and mathematics                  | 2.39                | 2.08      | 0.98               | 1.52                    |
| Other   | 1.61                | 1.35      | 0.73               | 1.06                    |
| Cumulative undergraduate GPA                      |                     |           |                    |                         |
| Less than 2.75                                    | 0.90                | 0.85      | 0.46               | 0.52                    |
| 2.75–3.74   | 1.28                | 1.03      | 0.78               | 0.69                    |
| 3.75 or higher                                    | 2.36                | 2.27      | 0.98               | 1.36                    |
| Educational expectations at bachelor's completion |                     |           |                    |                         |
| Bachelor's degree                                 | 1.29                | 1.09      | 0.87               | 0.57                    |
| Master's degree                                   | 0.92                | 0.90      | 0.56               | 0.51                    |
| Doctoral/first-professional degree                | 1.72                | 1.38      | 0.73               | 0.93                    |

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

**Table B5. Percentage distribution of 1992–93 bachelor’s degree recipients by selected demographic and educational characteristics: 2003**

| Characteristic                         | Total |
|--|-------|
| Total                                  | 100.0 |
| Gender                                 |       |
| Male                                   | 45.3  |
| Female                                 | 54.7  |
| Race/ethnicity <sup>1</sup>            |       |
| White, non-Hispanic                    | 83.5  |
| Black, non-Hispanic                    | 6.1   |
| Hispanic                               | 5.1   |
| Asian/Pacific Islander                 | 4.9   |
| Parents’ highest education             |       |
| High school diploma or less            | 31.2  |
| Some postsecondary education           | 18.8  |
| Bachelor’s degree                      | 24.4  |
| Advanced degree                        | 25.7  |
| Age at bachelor’s degree completion    |       |
| 22 or younger                          | 47.9  |
| 23–24                                  | 25.4  |
| 25–29                                  | 11.7  |
| 30 or older                            | 15.0  |
| Baccalaureate degree major             |       |
| Business and management                | 22.4  |
| Education                              | 12.8  |
| Engineering                            | 6.5   |
| Health                                 | 6.6   |
| Public affairs/social services         | 3.3   |
| Humanities                             | 10.6  |
| Social and behavioral sciences         | 13.3  |
| Natural sciences and mathematics       | 10.2  |
| Other                                  | 14.3  |
| Bachelor’s degree-granting institution |       |
| Public 4-year                          | 65.3  |
| Private not-for-profit 4-year          | 31.6  |
| Other                                  | 3.2   |

<sup>1</sup>Black includes African American, Pacific Islander includes Native Hawaiian, and Hispanic includes Latino. Race categories exclude Hispanic origin unless specified. Included in the totals but not shown separately are data for American Indian/Alaska Native respondents and those who identified themselves with another race not shown.

NOTE: Detail may not sum to totals because of rounding.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 1993–2003 Baccalaureate and Beyond Longitudinal Study (B&B:93/03).

## Statistical Procedures

Two types of statistical procedures were used in this report: testing differences between means (or proportions) and testing linear trends. Each procedure is described below.

### *Differences Between Means*

The descriptive comparisons were tested in this report using Student's  $t$  statistic. Differences between estimates are tested against the probability of a Type I error,<sup>2</sup> or significance level. The significance levels were determined by calculating the Student's  $t$  values for the differences between each pair of means or proportions and comparing these with published tables of significance levels for two-tailed hypothesis testing.

Student's  $t$  values may be computed to test the difference between estimates with the following formula:

$$t = \frac{E_1 - E_2}{\sqrt{se_1^2 + se_2^2}} \quad (1)$$

where  $E_1$  and  $E_2$  are the estimates to be compared and  $se_1$  and  $se_2$  are their corresponding standard errors. This formula is valid only for independent estimates. When estimates are not independent, a covariance term must be added to the formula:

$$t = \frac{E_1 - E_2}{\sqrt{se_1^2 + se_2^2 - 2(r)se_1 se_2}} \quad (2)$$

where  $r$  is the correlation between the two estimates.<sup>3</sup> This formula is used when comparing two percentages from a distribution that adds to 100. If the comparison is between the mean of a subgroup and the mean of the total group, the following formula is used:

$$t = \frac{E_{sub} - E_{tot}}{\sqrt{se_{sub}^2 + se_{tot}^2 - 2p se_{sub}^2}} \quad (3)$$

where  $p$  is the proportion of the total group contained in the subgroup.<sup>4</sup> The estimates, standard errors, and correlations can all be obtained from the DAS.

<sup>2</sup> A Type I error occurs when one concludes that a difference observed in a sample reflects a true difference in the population from which the sample was drawn, when no such difference is present.

<sup>3</sup> U.S. Department of Education, National Center for Education Statistics, *A Note from the Chief Statistician*, no. 2, 1993.

<sup>4</sup> Ibid.

There are hazards in reporting statistical tests for each comparison. First, comparisons based on large  $t$  statistics may appear to merit special attention. This can be misleading since the magnitude of the  $t$  statistic is related not only to the observed differences in means or percentages but also to the number of respondents in the specific categories used for comparison. Hence, a small difference compared across a large number of respondents would produce a large  $t$  statistic.

A second hazard in reporting statistical tests is the possibility that one can report a “false positive” or Type I error. In the case of a  $t$  statistic, this false positive would result when a difference measured with a particular sample showed a statistically significant difference when there is no difference in the underlying population. Statistical tests are designed to control this type of error, denoted by alpha. The alpha level of .05 selected for findings in this report indicates that a difference of a certain magnitude or larger would be produced no more than one time out of twenty when there was no actual difference in the quantities in the underlying population. When we test hypotheses that show  $t$  values at the .05 level or smaller, we treat this finding as rejecting the null hypothesis that there is no difference between the two quantities. Failing to detect a difference, however, does not necessarily imply the values are the same or equivalent.

### ***Linear Trends***

While many descriptive comparisons in this report were tested using Student’s  $t$  statistic, some comparisons across categories of an ordered variable involved a test for a linear trend across all categories, rather than a series of tests between pairs of categories. In this report, when differences among percentages were examined relative to one of these variables, Analysis of Variance (ANOVA) was used to test for a linear relationship between the two variables. To do this, ANOVA models included orthogonal linear contrasts corresponding to successive levels of the independent variable. The squares of the standard errors, the variance between the means, and the unweighted sample sizes were used to partition total sum of squares into within- and between-group sums of squares. These were used to create mean squares for the within- and between-group variance components and their corresponding  $F$  statistics, which were then compared with published values of  $F$  for a significance level of .05.<sup>5</sup> Significant values of both the overall  $F$  and the  $F$  associated with the linear contrast term were required as evidence of a linear relationship between the two variables. Means and standard errors were calculated by the DAS. Unweighted sample sizes were provided by NCES through a restricted use data license agreement.

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<sup>5</sup> More information about ANOVA and significance testing using the  $F$  statistic can be found in any standard textbook on statistical methods in the social and behavioral sciences.