

Appendix A

NPSAS:04 Institution and Student Sampling Details

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To develop the mathematical foundation for the 2003–04 National Postsecondary Student Aid Study (NPSAS:04) institutional and student sampling design, the following notation is used to represent the institutional and student sampling strata:

$r = 1, 2, \dots, 58$ indexes the institutional strata, and

$s = 1, 2, \dots, 11$ indexes the student/faculty strata.

Note that the National Study of Postsecondary Faculty (NSOPF) sample of institutions was a subset of the NPSAS institutions, so the institution strata were expanded to accommodate the selection of certain types of institutions for NSOPF. The strata also accounted for selection of institutions in the 12 states where there were representative samples. The institution measure of size (described below) accounted for student as well as for faculty counts and sampling rates.

Further define the following notation:

$j = 1, 2, \dots, J(r)$ indexes the institutions that belong to institutional stratum r ,

$M_{rs}(j)$ = number of students and faculty during the NPSAS year who belong to person stratum s at the j -th institution in stratum r based on the latest Integrated Postsecondary Education Data System (IPEDS) data, and

m_{rs} = number of students and faculty to be selected from student stratum s within the r -th institutional stratum, referred to henceforth as person stratum rs .

The overall population sampling rate for student stratum rs , is then given by

$$f_{rs} = m_{rs} / M_{rs}(+),$$

where

$$M_{rs}(+) = \sum_{j=1}^{J(r)} M_{rs}(j) .$$

The person sampling rates, f_{rs} , were computed based on the final sample allocation and IPEDS data regarding the population sizes.

The composite measure of size for the j -th institution in stratum r will then be defined as

$$S_r(j) = \sum_{s=1}^{11} f_{rs} M_{rs}(j) ,$$

which is the number of persons that would be selected from the j -th institution if all institutions on the frame were to be sampled.

An independent sample of institutions was selected for each institutional stratum using Chromy's sequential, probability minimum replacement (pmr) sampling algorithm to select institutions with probabilities proportional to their measures of size (Chromy 1979). However, rather than allow multiple selections of sample institutions, those institutions with expected frequencies of selection greater than unity (1.00) were selected with certainty, and the remainder of the institutional sample was selected from the remaining institutions in each stratum. This process

made it unnecessary to select multiple second-stage samples of persons by precluding institutions with multiple selections at the first stage of sampling. Therefore, the expected frequency of selection for the j -th institution in institutional stratum r is given by

$$S_r (+) = \sum_{j=1}^{J(r)} S_r (j),$$

where

$$\pi_r (j) = \begin{cases} \frac{n_r S_r (j)}{S_r (+)}, & \text{for non-certainty selections;} \\ 1, & \text{for certainty selections;} \end{cases}$$

and n_r is the number of noncertainty selections from stratum r .

Within each of the r institutional type, the type r sampling frame was implicitly stratified by sorting in a serpentine manner (see Williams and Chromy 1980) by the following variables:

- historically black colleges and universities (HBCU);
- Bureau of Economic Analysis Code (OBE) Region (from the IPEDS IC file) with Alaska and Hawaii moved to Region 9 with Puerto Rico;
- state; and
- the institution measure of size.

The objectives of this additional, implicit stratification were to ensure some HBCUs, to ensure proportionate representation of all geographic regions and states, and to ensure representation of both large and small institutions.

Procedures for obtaining and sampling from student lists included:

- obtaining as many lists as possible in machine-readable form, including e-mails, uploads to the project website, and diskettes or CD-ROMs;
- processing lists on a flow basis as they were received;
- unduplicating samples selected when an institution provided only a hard-copy list for each term of enrollment;
- ensuring that each sample institution received a sufficient sample allocation that at least 30 respondents would be expected;
- implementing quality assurance checks against the latest IPEDS data; and
- compiling a master sample file on a flow basis as sample students were selected, including student and institution sampling weight factors.

Student samples were selected as stratified, systematic random samples for both hard-copy and electronic lists primarily because of ease of implementation with hard-copy lists. The student sampling rates were fixed for each sample institution rather than the student sample sizes:

- to facilitate selecting the samples on a flow basis as the student lists were received from sample institutions;
- to facilitate unduplicating the samples selected when an institution provided only hard-copy lists by term; and
- because sampling at a fixed rate based on the overall stratum sampling rate and the institution probabilities of selection results in approximately equal overall probabilities of selection within student strata.

Recall that the overall population sampling rate for student stratum r is given by

$$f_{rs} = m_{rs} / M_{rs}(+) ,$$

where

$$M_{rs}(+) = \sum_{j=1}^{J(r)} M_{rs}(j) .$$

For the unconditional probability of selection to be a constant for all eligible students in stratum r , the overall probability of selection should be the overall student sampling fraction, f_{rs} ; i.e., it was ensured that

$$\frac{m_{rs}(j)}{M_{rs}(j)} \pi_r(j) = f_{rs} ,$$

or equivalently,

$$m_{rs}(j) = f_{rs} \frac{M_{rs}(j)}{\pi_r(j)} .$$

Thus, the conditional sampling rate for stratum r , given selection of the j -th institution, becomes

$$f_{rs|j} = f_{rs} / \pi_r(j) .$$

However, in this case, the desired overall student sample size, m_{rs} , is achieved only in expectation over all possible samples.

Achieving the desired sample sizes with equal probabilities within strata in the particular sample selected and simultaneously adjusting for institutional nonresponse and ineligibility requires that

$$\sum_{j \in R} m_{rs}(j) = m_{rs} ,$$

where R denotes the set of eligible, responding institutions. If the conditional student sampling rate for stratum rs in the j -th institution is

$$\hat{f}_{rs|j} = \hat{f}_{rs} / \pi_r(j) ,$$

it is required that

$$\sum_{j \in R} \hat{f}_{rs} \frac{M_{rs}(j)}{\pi_r(j)} = m_{rs} ,$$

or equivalently,

$$\hat{f}_{rs} = m_{rs} / \hat{M}_{rs} ,$$

where

$$\hat{M}_{rs} = \frac{\sum_{j \in R} M_{rs}(j)}{\pi_r(j)} .$$

Since it was necessary to set the student sampling rates, and because complete information on eligibility and response status was available, \hat{M}_{rs} was calculated as follows:

$$\hat{M}_{rs} = \sum_{j \in S} \frac{M_{rs}(j)}{\pi_r(j)} * [E_r R_r E_{rs}] ,$$

where S denotes the set of all sample institutions,

E_r = the institutional eligibility factor for institutional stratum r ,

R_r = the institutional response factor for institutional stratum r ,

E_{rs} = the student eligibility factor for student stratum rs .

NPSAS is a multivariate survey with a p -dimensional parameter space, $\theta = \{\theta_j\}, j = 1, \dots, p$, for which it is desired to estimate θ with $\hat{\theta}$ while minimizing cost (sample size) subject to a series of precision requirements. Consequently, optimal sampling rates can be obtained by solving the following nonlinear optimization problem:

$$\begin{aligned} \text{Minimize:} \quad & C = C_0 + \sum_{i=1}^I \left(C_{1i} n_{1i} + \sum_{f=1}^F C_{2if} n_{2if} \right) \\ \text{Subject to:} \quad & \begin{cases} V(\hat{\theta}_j) \leq v_j, \forall j \\ 2 \leq n_{1i} \leq N_{1i}, i \in [1, I] \\ 2 \leq n_{2if} \leq N_{2if}, f \in [1, F] \end{cases} \end{aligned}$$

where,

C_0 = fixed cost not affected by changes in the numbers of institutions or students selected;

C_{1i} = variable cost per institution, depending on the number of participating institutions in the i -th institutional stratum;

n_{1i} = number of participating institutions in the i -th stratum;

C_{2if} = variable cost per student, depending on the number of participating students in the f -th student stratum within the i -th institutional stratum; and

n_{2if} = number of participating students in the f -th student stratum within the i -th institutional stratum.

In the above, variance constraints $V(\hat{\theta}_j) \leq v_j$ correspond to precision requirements that have been specified by NCES for key survey estimates. Using data from the NPSAS:2000 and NPSAS:96 (and NSOPF:99 for faculty constraints), all of the required variance components and their associated precision constraints were developed. Subsequently, the resulting nonlinear optimization problem to determine the most effective sample allocation was solved using Chromy's algorithm (Chromy 1987) to obtain feasible solutions to the above problem.

The large sample sizes for NPSAS:04 were required to achieve the many objectives of the study, including estimates for three domains—public 2-year, public 4-year, and private nonprofit 4-year institutions—in each of 12 states. A baseline cohort of FTBs was also selected for the BPS studies. Moreover, many NPSAS:04 statistical analyses focus on relatively rare domains, thereby requiring large overall sample sizes and disparate sampling rates. Discussions with NCES were used to identify the domains of interest and the study was designed to ensure adequate sample sizes for those domains.

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Appendix B

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Appendix C

Data Elements for Student Interview

Data Elements for Student Interview

A. Current enrollment or completion status (at time of interview)

1. Still enrolled as undergraduate
 - a. Enrolled at NPSAS or last reported institution
 - b. Enrolled at another institution
2. Not currently enrolled as undergraduate
 - a. Enrolled anywhere since July 2006
 - Completed a program since July 2006
 - Type of certificate/degree earned
 - Date awarded
 - Institution that awarded degree
 - Did not complete a program
 - Last institution attended
 - Date last enrolled
 - Primary reason for leaving
 - b. Not enrolled anywhere since July 2006 [skip sections B and C below]

B. Undergraduate enrollment history since July 2006

1. Enrollment in 2006–07
 - a. Enrolled at last school reported for 2005–06
 - Months enrolled
 - Primarily full time or part time
 - b. Enrolled at another school in 2006–07
 - Name of institution and location (online coding of type)
 - Months enrolled
 - Primarily full time or part time
 - Transfer credits attempted/accepted
 - Reasons for enrolling here (less-than-4-year and non-degree students)
2. Enrollment in 2007–08
 - a. Enrolled at last school reported for 2006–07
 - Months enrolled
 - Primarily full time or part time
 - b. Enrolled at another school in 2007–08
 - Name of institution and location (online coding of type)
 - Months enrolled
 - Primarily full time or part time
 - Transfer credits attempted/accepted
 - Reasons for enrolling here (less-than-4-year and non-degree students)
3. Enrollment in 2008–09
 - a. Enrolled at last school reported for 2007–08
 - Months enrolled
 - Primarily full time or part time

- b. Enrolled at another school in 2007–08
 - Name of institution and location (online coding of type)
 - Months enrolled
 - Primarily full time or part time
 - Transfer credits attempted/accepted
 - Reasons for enrolling here (less-than-4-year and non-degree students)

C. Characteristics of current or last undergraduate enrollment since July 2006

- 1. Educational program characteristics
 - a. Degree plans (certificate, associate's, bachelor's, none)
 - b. Major /double major
 - Changes in major
 - Types of courses (if no major and non-degree)
 - c. Class level (if no degree)
 - d. GPA
- 2. Residence, work and financial support
 - a. Type of residence (on campus/off campus/with parents)
 - b. Working while enrolled (most current job)
 - Primary role: student or employee?
 - Participation in work study
 - On/off campus job
 - Number of hours per week worked
 - Relationship of job to studies
 - Importance of job earnings in financing education
 - Main reason for working
 - c. Financial support from parents (respondents under 30)
 - none
 - pay for tuition
 - pay for other educational and living expenses **NEW**

D. Financial aid and undergraduate student loan debt

- 1. Student loan debt (undergraduate only)
 - a. Total amount borrowed in student loans (all undergraduate years)
 - b. Total amount still owed
 - c. Types of loans (federal, private, other)
 - d. Reason for private loans
 - e. Currently repaying loans [if yes]
 - Amount of monthly payment
 - Are family or friends helping to repay loans? (respondents under 30)
 - f. Consider student loan debt a worthwhile investment
 - g. Student loan debt influence enrollment (non-bachelor's degree recipients)/career decisions
If yes, how?

2. Supplementary data from outside sources:
 - a. Financial aid application data (from CPS)
 - b. Annual and cumulative federal student loan amounts (from NSLDS)
 - c. Annual Pell grant amounts (from NSLDS)
 - d. Annual SMART grant amounts (from NSLDS)
 - e. Annual full-time tuition and student budgets (from IPEDS)

E. Post-Bachelor/Graduate Education (BA recipients only)

1. Type of post-BA enrollment
 - a. Graduate degree program or post-BA certification
 - Type of degree or certification
 - Full time or part time
 - Date began (MMYYYY)
 - b. Taking courses for credit, but not in a degree program
 - c. Non-credit or continuing education courses

F. Employment – Respondents who are not currently enrolled and all bachelor's degree recipients regardless of current enrollment status

1. Currently employed (yes/no)
2. [if yes] Description of relationship to job
 - a. Searching for a career
 - b. Starting a career
 - c. Continuing in a career
 - d. Advancing in a career
3. Current job characteristics (if employed)
 - a. Number of hours worked per week
 - b. Wages/salary
 - c. Occupation and industry (online coding)
 - d. Type of employer
 - e. Held position or similar job
 - while enrolled
 - before enrolled
 - number of years in this or similar job
 - f. Related to coursework/major (yes/no)
 - g. Related to career goals (yes/no)
 - h. Degree, certificate, or license required
 - i. Is required certificate or license held? **NEW**
 - j. Was this first job after leaving school?
 - k. Did school help with job placement?
 - l. Difficulty of doing job without courses taken (yes/no)
 - m. Did education help advance in career? (yes/no)
 - n. Employer offered benefits

4. Responsibilities (yes/no)
 - a. Supervise work of others
 - b. Participate in hiring/firing
 - c. Participate in setting salaries
5. Satisfaction with aspects of the job (yes/no)
 - a. Pay
 - b. Fringe benefits
 - c. Challenge of work
 - d. Opportunities for promotion
 - e. Opportunities to use training/education
 - f. Job security
 - g. Opportunities for further training/education
 - h. Overall satisfaction
6. Unemployment spells of more than 3 months since end of enrollment
 - a. If yes, how many times
 - b. Longest period of unemployment
7. If not currently employed:
 - a. Looking for a job
 - b. Receiving unemployment insurance
 - c. Date last employed after leaving school

G. Current demographics

1. Household composition
2. Respondent's current marital status (single, never married/married/separated/divorced/widowed)
3. Number of dependent children
 - a. Age of youngest child
4. Annual income
 - a. Own earnings
 - b. Spouse's earnings
 - c. Income from untaxed income and benefits such as TANF and food stamps
5. Spouse's level of education
6. Amount of spouse's student loans
 - a. Spouse's monthly repayment amount
7. Monthly payments
 - a. Rent or mortgage
 - b. Auto loan or lease
8. Use any credit cards
 - a. Usually payoff or carry balance
 - b. Current outstanding balance on credit cards

H. Civic participation

1. Current citizenship
2. Voting (if citizen)
 - a. Registered to vote
 - b. Ever voted in any election?
 - c. Voted in the last presidential election? **NEW**
3. Volunteering
 - a. Voluntary activities in last 12 months
 - b. Type of activities
 - c. Hours per month or one-time activities
 - d. Volunteer while enrolled? (respondents enrolled in last 12 months) **NEW**

I. Disabilities

1. Do you have a sensory impairment, such as blindness, deafness, or a severe vision or hearing impairment that has lasted for 6 months or more?
2. Do you have a mobility impairment that has substantially limited one or more basic physical activities, such as walking, climbing stairs, reaching, lifting, or carrying, for 6 months or more?
3. Excluding any disabilities already mentioned, do you have any other physical, mental, emotional, or learning condition that has lasted 6 months or more?

J. Personal goals and assessment of education

1. Highest level of education ever expected
2. Plans to pursue a teaching career
3. Would make the same choices in institution and course of study again (yes/no)
4. Were benefits of education in terms of work and pay worth the cost and time spent on education (yes/no)

Appendix D

Facsimile of Full-scale Instrument

Section B: Enrollment History.....	D-3
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Facsimile of Full-scale Instrument

The BPS:04/09 instrument maintained consistent section headings with the BPS:04/06 instrument. Section A in the BPS:04/06 was the eligibility section and was not necessary for BPS:04/09 therefore was not included in this instrument.

Section B: Enrollment History

ZRID

Identification number

Identification number

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

COMPMODE

Interview completion mode

Interview completion mode

0 = Web

1 = CATI

3 = CAPI, in-person

4 = CAPI, by phone

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

COMPDATE

Date interview completed

Interview completion date

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

SUMSTAT

Interview completion code

Interview completion status

290 = Partial interview

293 = English abbreviated

294 = Spanish abbreviated

295 = Full complete interview

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

SUMSTFLG

Interview completion flag

SUMSTFLG indicates the type of interview completion.

If SUMSTAT = 295 then

SUMSTFLG = 1 (Full complete student interview)

else if SUMSTAT = 290 then

SUMSTFLG = 2 (Partial student interview)

else if SUMSTAT = 293 then

SUMSTFLG = 3 (Completed abbreviated English interview)

else if SUMSTAT = 294 then

SUMSTFLG = 4 (Completed abbreviated Spanish interview)

1 = Full complete student interview

2 = Partial student interview

3 = English abbreviated

4 = Spanish abbreviated

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

TAGE

Age as of January 1, 2009

TAGE is an internal variable that calculates age as of January 1, 2009 and is based on Y_DOB.

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/06 full scale student interview

MBCONFIRM

Bachelor's degree received prior to July 2006

Our records indicate that you received your bachelor's degree prior to July 2006. Is this correct?

0 = No

1 = Yes

Applies to: Respondents who indicated earning a bachelor's degree prior to July 1, 2006 in NPS:AS:04 or BPS:04/06.

Instrument code: Y_YESBA = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MBEARNED

Earned or enrolled for bachelor's degree since July 2006

Have you earned or been enrolled for a bachelor's degree since July 2006?

0 = No

1 = Yes

Applies to: Respondents who did not indicate earning a bachelor's degree prior to July 1, 2006 in NPS:AS:04 or BPS:04/06 but were enrolled for a bachelor's degree.

Instrument code: Y_YESBA = 0 and Y_ENRBA = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MBENRA

Enrolled as an undergraduate since July 2006

Have you enrolled as an undergraduate student in either a degree or certificate program or in classes for credit since July 2006?

Please include any summer enrollment.

0 = No

1 = Yes

Applies to: Respondents who had not earned or enrolled for a bachelor's degree since July 1, 2006 and began the interview before July 1, 2009.

Instrument code: MBCONFRM ne 1 and MBEARNED ne 1 and [began interview before July 1, 2009]

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MBCHECK

Expect to enroll as undergraduate before July 2009

Do you expect to enroll as an undergraduate student in classes for credit or in a degree or certificate program at any school before July 1, 2009?

0 = No

1 = Yes

Applies to: Respondents who had not enrolled as an undergraduate since July 1, 2006, and who began the interview before July 1, 2009.

Instrument code: MBCONFRM ne 1 and MBEARNED ne 1 and MBENRA ne 1 and [began interview before July 1, 2009]

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MBSCA01

List of schools attended: 1

[If iteration = 1 and MBEARNED = 1]

At what school have you been enrolled for your bachelor's degree since July 2006? (If you have earned one or more bachelor's degrees since July 2006, choose the school where you received your first bachelor's degree.) (If you have been enrolled in more than one school for a bachelor's degree, but have not yet earned a bachelor's degree, choose the school where you were most recently enrolled. You will have an opportunity to tell us about all schools later.)

[else if iteration = 1 and MBCHECK = 1]

At what school will you be enrolled as an undergraduate student, before July 1, 2009? (If you will be enrolled at more than one of the following schools, choose the school you consider to be your primary school. You will have an opportunity to tell us about all schools later.)

[else]

At what school have you been enrolled as an undergraduate student since July 2006? (If you have been enrolled at more than one of the following schools, choose the school where you were most recently enrolled. You will have an opportunity to tell us about all schools later.)

[end if]

Schools we have in our records for you so far are: [else if iteration > 1] You've just told us you attended the following schools since July 2006:[list school names from prior iterations] At what other school have you been enrolled as an undergraduate student since July 2006? (If you have earned or will earn a bachelor's degree between July 2006 and July 2009, tell us only about any school where you were an undergraduate student prior to earning that bachelor's degree. If you have earned more than one bachelor's degree between July 2006 and July 2009, tell us only about any school where you were enrolled prior to earning the first bachelor's degree).

1 = [Preload school 1]

2 = [Preload school 2]

3 = [Preload school 3]

- 4 = [Preload school 4]
- 5 = [Preload school 5]
- 6 = [Preload school 6]
- 7 = [Preload school 7]
- 99 = Another school not listed

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009.

Instrument code: MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1

Sources: NPSAS:2004 full scale student interview

MBSCH01

School 1

[If COMPMODE = 0 and iteration = 1]

[if MBEARNED = 1]

What is the name of the school where you earned or have been enrolled for a bachelor's degree since July 2006?

[if MBCHECK = 1]

What is the name of the school at which you plan to enroll as an undergraduate before July 1, 2009?

[else]

What is the name of the school at which you were most recently enrolled as an undergraduate between July 2006 and June 30, 2009?

[endif]

[else if COMPMODE = 0 and iteration > 1]

At what other school have you been enrolled as an undergraduate since July 2006? (If you have earned or will earn a bachelor's degree between July 2006 and July 2009, tell us only about any school where you were an undergraduate student prior to earning that bachelor's degree. If you have earned more than one bachelor's degree between July 2006 and July 2009, tell us only about any school where you were enrolled prior to earning the first bachelor's degree.)

[else if COMPMODE = 1 and iteration = 1 and MBEARNED = 1]

What is the name of the school where you earned or have been enrolled for a bachelor's degree since July 2006, and in what city and state is it located?

[else if COMPMODE = 1 and iteration = 1 and MBCHECK = 1]

What is the name of the school at which you plan to be enrolled before July 1, 2009 as an undergraduate, and in what city and state is it located?

[else if COMPMODE = 1 and iteration = 1]

What is the name of the school at which you were most recently enrolled as an undergraduate between July 2006 and June 30, 2009, and in what city and state is it located?

[else]

At what other school have you been enrolled as an undergraduate since July 2006, and in what city and state is it located? (If you have earned or will earn a bachelor's degree between July 2006 and July 2009, tell us only about any school where you were an undergraduate student prior to earning that bachelor's degree. If you have earned more than one bachelor's degree between July 2006 and July 2009, tell us only about any school where you were enrolled prior to earning the first bachelor's degree.)

School name:

Note: When MBSCH01 = -9 "YOUR

UNDERGRADUATE INSTITUTION" was displayed in the interview as the school name.

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, and whose school was not found on the list of preloaded schools.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1)

and (MBSCA01 > 0 or MBSCA01 = -9)

Sources: BPS:04/09 full scale student interview

MBIPED01

IPEDS school code 1

[If COMPMODE = 0 and iteration = 1]

[if MBEARNED = 1]

What is the name of the school where you earned or have been enrolled for a bachelor's degree since July 2006?

[if MBCHECK = 1]

What is the name of the school at which you plan to enroll as an undergraduate before July 1, 2009?

[else]

What is the name of the school at which you were most recently enrolled as an undergraduate between July 2006 and June 30, 2009?

[endif]

[else if COMPMODE = 0 and iteration > 1]

At what other school have you been enrolled as an undergraduate since July 2006? (If you have earned or will earn a bachelor's degree between July 2006 and July 2009, tell us only about any school where you were an undergraduate student prior to earning that bachelor's degree. If you have earned more than one bachelor's degree between July 2006 and July 2009, tell us only about any school where you were enrolled prior to earning the first bachelor's degree.)

[else if COMPMODE = 1 and iteration = 1 and MBEARNED = 1]

What is the name of the school where you earned or have been enrolled for a bachelor's degree since July 2006, and in what city and state is it located?

[else if COMPMODE = 1 and iteration = 1 and MBCHECK = 1]

What is the name of the school at which you plan to be enrolled before July 1, 2009 as an undergraduate, and in what city and state is it located?

[else if COMPMODE = 1 and iteration = 1]

What is the name of the school at which you were most recently enrolled as an undergraduate between July 2006 and June 30, 2009, and in what city and state is it located?

[else]
At what other school have you been enrolled as an undergraduate since July 2006, and in what city and state is it located? (If you have earned or will earn a bachelor's degree between July 2006 and July 2009, tell us only about any school where you were an undergraduate student prior to earning that bachelor's degree. If you have earned more than one bachelor's degree between July 2006 and July 2009, tell us only about any school where you were enrolled prior to earning the first bachelor's degree.)

IPEDS code:

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, and whose school was not found on the list of preloaded schools.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and (MBSCA01 > 0 or MBSCA01 = -9)

Sources: BPS:04/09 full scale student interview

MBCT01

School 1 city

[If COMPMODE = 0 and iteration = 1]

[if MBEARNED = 1]

What is the name of the school where you earned or have been enrolled for a bachelor's degree since July 2006?

[if MBCHECK = 1]

What is the name of the school at which you plan to enroll as an undergraduate before July 1, 2009?

[else]

What is the name of the school at which you were most recently enrolled as an undergraduate between July 2006 and June 30, 2009?

[endif]

[else if COMPMODE = 0 and iteration > 1]

At what other school have you been enrolled as an undergraduate since July 2006? (If you have earned or

will earn a bachelor's degree between July 2006 and July 2009, tell us only about any school where you were an undergraduate student prior to earning that bachelor's degree. If you have earned more than one bachelor's degree between July 2006 and July 2009, tell us only about any school where you were enrolled prior to earning the first bachelor's degree.)

[else if COMPMODE = 1 and iteration = 1 and MBEARNED = 1]

What is the name of the school where you earned or have been enrolled for a bachelor's degree since July 2006, and in what city and state is it located?

[else if COMPMODE = 1 and iteration = 1 and MBCHECK = 1]

What is the name of the school at which you plan to be enrolled before July 1, 2009 as an undergraduate, and in what city and state is it located?

[else if COMPMODE = 1 and iteration = 1]

What is the name of the school at which you were most recently enrolled as an undergraduate between July 2006 and June 30, 2009, and in what city and state is it located?

[else]
At what other school have you been enrolled as an undergraduate since July 2006, and in what city and state is it located? (If you have earned or will earn a bachelor's degree between July 2006 and July 2009, tell us only about any school where you were an undergraduate student prior to earning that bachelor's degree. If you have earned more than one bachelor's degree between July 2006 and July 2009, tell us only about any school where you were enrolled prior to earning the first bachelor's degree.)

City:

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, and whose school was not found on the list of preloaded schools.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and (MBSCA01 > 0 or MBSCA01 = -9)

Sources: BPS:04/09 full scale student interview

MBST01

School 1 state

[If COMPMODE = 0 and iteration = 1]

[if MBEARNED = 1]

What is the name of the school where you earned or have been enrolled for a bachelor's degree since July 2006?

[if MBCHECK = 1]

What is the name of the school at which you plan to enroll as an undergraduate before July 1, 2009?

[else]

What is the name of the school at which you were most recently enrolled as an undergraduate between July 2006 and June 30, 2009?

[endif]

[else if COMPMODE = 0 and iteration > 1]

At what other school have you been enrolled as an undergraduate since July 2006? (If you have earned or will earn a bachelor's degree between July 2006 and July 2009, tell us only about any school where you were an undergraduate student prior to earning that bachelor's degree. If you have earned more than one bachelor's degree between July 2006 and July 2009, tell us only about any school where you were enrolled prior to earning the first bachelor's degree.)

[else if COMPMODE = 1 and iteration = 1 and MBEARNED = 1]

What is the name of the school where you earned or have been enrolled for a bachelor's degree since July 2006, and in what city and state is it located?

[else if COMPMODE = 1 and iteration = 1 and MBCHECK = 1]

What is the name of the school at which you plan to be enrolled before July 1, 2009 as an undergraduate, and in what city and state is it located?

[else if COMPMODE = 1 and iteration = 1]

What is the name of the school at which you were most recently enrolled as an undergraduate between July 2006 and June 30, 2009, and in what city and state is it located?

[else]

At what other school have you been enrolled as an undergraduate since July 2006, and in what city and state is it located? (If you have earned or will earn a bachelor's degree between July 2006 and July 2009, tell us only about any school where you were an undergraduate student prior to earning that bachelor's degree. If you have earned more than one bachelor's degree between July 2006 and July 2009, tell us only about any school where you were enrolled prior to earning the first bachelor's degree.)

State:

- | | |
|--------------------------|---------------------------|
| 1 = Alabama | 33 = New York |
| 2 = Alaska | 34 = North Carolina |
| 3 = Arizona | 35 = North Dakota |
| 4 = Arkansas | 36 = Ohio |
| 5 = California | 37 = Oklahoma |
| 6 = Colorado | 38 = Oregon |
| 7 = Connecticut | 39 = Pennsylvania |
| 8 = Delaware | 40 = Rhode Island |
| 9 = District of Columbia | 41 = South Carolina |
| 10 = Florida | 42 = South Dakota |
| 11 = Georgia | 43 = Tennessee |
| 12 = Hawaii | 44 = Texas |
| 13 = Idaho | 45 = Utah |
| 14 = Illinois | 46 = Vermont |
| 15 = Indiana | 47 = Virginia |
| 16 = Iowa | 48 = Washington |
| 17 = Kansas | 49 = West Virginia |
| 18 = Kentucky | 50 = Wisconsin |
| 19 = Louisiana | 51 = Wyoming |
| 20 = Maine | 52 = Puerto Rico |
| 21 = Maryland | 53 = Canada |
| 22 = Massachusetts | 54 = American Samoa |
| 23 = Michigan | 55 = Guam |
| 24 = Minnesota | 56 = Fed State Micronesia |
| 25 = Mississippi | 57 = Marshall Islands |
| 26 = Missouri | 58 = Northern Mariana |
| 27 = Montana | Island |
| 28 = Nebraska | 59 = Palau |
| 29 = Nevada | 60 = Virgin Islands |
| 30 = New Hampshire | 61 = American Military |
| 31 = New Jersey | 62 = Mexico |
| 32 = New Mexico | 63 = Foreign Country |

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, and whose school was not found on the list of preloaded schools.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and (MBSCA01 > 0 or MBSCA01 = -9)

Sources: BPS:04/09 full scale student interview

MBLEVL01

School 1 level

[If COMPMODE = 0 and iteration = 1]

[if MBEARNED = 1]

What is the name of the school where you earned or have been enrolled for a bachelor's degree since July 2006?

[if MBCHECK = 1]

What is the name of the school at which you plan to enroll as an undergraduate before July 1, 2009?

[else]

What is the name of the school at which you were most recently enrolled as an undergraduate between July 2006 and June 30, 2009?

[endif]

[else if COMPMODE = 0 and iteration > 1]

At what other school have you been enrolled as an undergraduate since July 2006? (If you have earned or will earn a bachelor's degree between July 2006 and July 2009, tell us only about any school where you were an undergraduate student prior to earning that bachelor's degree. If you have earned more than one bachelor's degree between July 2006 and July 2009, tell us only about any school where you were enrolled prior to earning the first bachelor's degree.)

[else if COMPMODE = 1 and iteration = 1 and MBEARNED = 1]

What is the name of the school where you earned or have been enrolled for a bachelor's degree since July 2006, and in what city and state is it located?

[else if COMPMODE = 1 and iteration = 1 and MBCHECK = 1]

What is the name of the school at which you plan to be enrolled before July 1, 2009 as an undergraduate, and in what city and state is it located?

[else if COMPMODE = 1 and iteration = 1]

What is the name of the school at which you were most recently enrolled as an undergraduate between July 2006 and June 30, 2009, and in what city and state is it located?

[else]

At what other school have you been enrolled as an undergraduate since July 2006, and in what city and state is it located? (If you have earned or will earn a bachelor's degree between July 2006 and July 2009, tell us only about any school where you were an undergraduate student prior to earning that bachelor's degree. If you have earned more than one bachelor's degree between July 2006 and July 2009, tell us only about any school where you were enrolled prior to earning the first bachelor's degree.)

Level:

1 = 4-year

2 = 2-year

3 = Less-than-2-year

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, and whose school was not found on the list of preloaded schools.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and (MBSCA01 > 0 or MBSCA01 = -9)

Sources: BPS:04/09 full scale student interview

MBCTRL01

School 1 control

[If COMPMODE = 0 and iteration = 1]

[if MBEARNED = 1]

What is the name of the school where you earned or have been enrolled for a bachelor's degree since July 2006?

[if MBCHECK = 1]

What is the name of the school at which you plan to enroll as an undergraduate before July 1, 2009?

[else]

What is the name of the school at which you were most recently enrolled as an undergraduate between July 2006 and June 30, 2009?

[endif]

[else if COMPMODE = 0 and iteration > 1]

At what other school have you been enrolled as an undergraduate since July 2006? (If you have earned or will earn a bachelor's degree between July 2006 and July 2009, tell us only about any school where you were an undergraduate student prior to earning that bachelor's degree. If you have earned more than one bachelor's degree between July 2006 and July 2009, tell us only about any school where you were enrolled prior to earning the first bachelor's degree.)

[else if COMPMODE = 1 and iteration = 1 and MBEARNED = 1]

What is the name of the school where you earned or have been enrolled for a bachelor's degree since July 2006, and in what city and state is it located?

[else if COMPMODE = 1 and iteration = 1 and MBCHECK = 1]

What is the name of the school at which you plan to be enrolled before July 1, 2009 as an undergraduate, and in what city and state is it located?

[else if COMPMODE = 1 and iteration = 1]

What is the name of the school at which you were most recently enrolled as an undergraduate between July 2006 and June 30, 2009, and in what city and state is it located?

[else]

At what other school have you been enrolled as an undergraduate since July 2006, and in what city and state is it located? (If you have earned or will earn a bachelor's degree between July 2006 and July 2009, tell us only about any school where you were an undergraduate student prior to earning that bachelor's degree. If you have earned more than one bachelor's degree between July 2006 and July 2009, tell us only about any school where you were enrolled prior to earning the first bachelor's degree.)

Control:

- 1 = Public
- 2 = Private nonprofit
- 3 = Private for-profit

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, and whose school was not found on the list of preloaded schools.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and (MBSCA01 > 0 or MBSCA01 = -9)

Sources: BPS:04/09 full scale student interview

MBCREN01

Currently enrolled at school 1

[If iteration > 1]

Are you currently enrolled at [school 1]? (If you have already told us that you have earned a bachelor's degree between July 2006 and July 2009, you should indicate "no" since we only need information about undergraduate enrollment prior to earning that bachelor's degree).

[else if MBEARNED = 1]

Are you currently enrolled at [school 1] for your bachelor's degree?

[else]

Are you currently enrolled at [school 1]?

- 0 = No
- 1 = Yes

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, or who began the interview after June 30, 2009 and had not earned a bachelor's degree prior to July 1, 2006.

Instrument code: (MBCONFRM ne 1 and (MBEARNED = 1 or MBENRA = 1) and MBCHECK ne 1) or (MBCONFRM ne 1 and (began the interview after June 30, 2009))

Sources: BPS:04/09 full scale student interview

MBETYP01

Enrollment type at school 1

[If MBCHECK = 1 and iteration = 1]

At [school 1], will you be primarily enrolled to earn a degree or certificate, or will you just be taking classes?

[else if TSLCRN01 = 1]

At [school 1], are you primarily enrolled to earn a degree or certificate, or are you just taking classes?

[else]

At [school 1], were you primarily enrolled to earn a degree or certificate, or were you just taking classes?

1 = Enrolled in a degree or certificate program

2 = Taking classes for credit but not enrolled in a degree or certificate program

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009.

Instrument code: MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1

Sources: BPS:04/09 full scale student interview

MBDEG01

Type of degree earned at school 1

[If Iteration = 1 and MBEARNED = 1 and TSLCRN01 = 1]

Do you expect to earn a 4-year or a 5-year bachelor's degree from [school 1]? (A 5-year bachelor's degree program is also awarded by a 4-year college or university, but generally requires students to complete 5 years of full-time, college-level work to complete the degree requirements. Common examples include architecture or engineering.)

[else if iteration = 1 and MBEARNED = 1 and TSLCRN01 = 0]

Did you earn or expect to earn a 4-year or a 5-year bachelor's degree from [school 1]? (A 5-year bachelor's degree program is also awarded by a 4-year college or university, but generally requires students to complete 5 years of full-time, college-level work to complete the degree requirements. Common examples include architecture or engineering.)

[else if MBCHECK = 1 and iteration = 1] or [if TSLCRN01 = 1 and iteration = 1]

What degree or certificate do you expect to earn from [school 1]?

(If you expect to receive multiple degrees/certificates, please tell us about only one of them now. You will have an opportunity to tell us about other degrees and certificates later.) (A 5-year bachelor's degree program is also awarded by a 4-year college or university, but generally requires students to complete 5 years of full-time, college-level work to complete the degree requirements. Common examples include architecture or engineering.)

Common examples include architecture or engineering.)

[else]

What degree or certificate did you earn or expect to earn from [school 1]? (If you were working on multiple degrees/certificates, please tell us about only one of them now. You will have an opportunity to tell us about other degrees and certificates later.) (A 5-year bachelor's degree program is also awarded by a 4-year college or university, but generally requires students to complete 5 years of full-time, college-level work to complete the degree requirements. Common examples include architecture or engineering.)

2 = Undergraduate certificate or diploma
(occupational or technical program)

3 = Associate's degree

4 = Bachelor's degree - 4-year

5 = Bachelor's degree - 5-year

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, and who enrolled in a degree program.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and MBETYP01 = 1

Sources: BPS:04/09 full scale student interview

MBJL0601 - MBJN0901

Enrolled July 2006 at school 1 - Enrolled June 2009 at school 1

[If MBCHECK = 1 and iteration = 1]

Through June 2009, in which months will you be enrolled for undergraduate classes at [school 1]? (Since it is only [current month], please do your best to predict your enrollment through June 2009. If your enrollment covers only a portion of any month, please include that month.) (Exclude any months during which you are not taking classes, such as summer break.)

[else if TSLCRN01 = 1 and MBETYP01 ne 1]

Between July 2006 and June 2009, in which months have you taken undergraduate classes at [school 1]? (Since it is only

[current month], please do your best to predict your enrollment through June 2009. If your enrollment covers only a portion of any month, please include that month.) (Exclude any months during which you are not taking classes, such as summer break.)

[else if TSLCRN01 = 1 and MBETYP01 = 1]

Between July 2006 and June 2009, in which months have you been enrolled for your [degree] at [school 1]? (Since it is only [current month], please do your best to predict your enrollment through June 2009. If your enrollment covers only a portion of any month, please include that month.) (Exclude any months during which you are not taking classes, such as summer break.)

[else if TSLCRN01 ne 1 and MBETYP01 ne 1]

Since July 2006, in which months did you take undergraduate classes at [school 1]? (If your enrollment covered only a portion of any month, please include that month. Exclude any months during which you were not taking classes, such as summer break.) (If you plan to re-enroll there before July 2009, please indicate the months you plan to be enrolled.)

[else]

Since July 2006, in which months were you enrolled for your [degree] at [school 1]? (If your enrollment covered only a portion of any month, please include that month. Exclude any months during which you were not taking classes, such as summer break.) (If you plan to re-enroll there before July 2009, please indicate the months you plan to be enrolled.)

July 2006 - June 2009

0 = No

1 = Yes

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009.

Instrument code: MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1

Sources: BPS:04/09 full scale student interview

MBEN601

Intensity of enrollment 2006 at school 1

[If MBETYP01 = 1 and MBCHECK = 1 and iteration = 1]

For the period of time you will be enrolled at [school 1] for your [degree], will you be mainly a full-time or a part-time student, or an equal mix of both?

[else if MBETYP01 = 1 and TSLCRN01 = 1]

For the period of time you have been enrolled at [school 1] for your [degree], have you been mainly a full-time or a part-time student, or an equal mix of both?

[else if MBETYP01 = 1]

For the period of time you were enrolled at [school 1] for your [degree], were you mainly a full-time or a part-time student, or an equal mix of both?

[else if MBCHECK = 1 and iteration = 1]

For the period of time you will be enrolled at [school 1] for your undergraduate classes, will you be mainly a full-time or a part-time student, or an equal mix of both?

[else if TSLCRN01 = 1]

For the period of time you have been enrolled at [school 1] for your undergraduate classes, have you been mainly a full-time or a part-time student, or an equal mix of both?

[else]

For the period of time you were enrolled at [school 1] for your undergraduate classes, were you mainly a full-time or a part-time student, or an equal mix of both?

2006

- 1 = Full-time
- 2 = Part-time
- 3 = Equal mix of full-time and part-time

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009 and were enrolled as an undergraduate between July 1, 2006 and December 31, 2006.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and (MBJL0601 ne 0 or MBAG0601 ne 0 or MBSP0601 ne 0 or MBOC0601 ne 0 or MBNV0601 ne 0 or MBDC0601 ne 0)

Sources: BPS:04/09 full scale student interview

MBEN701

Intensity of enrollment 2007 at school 1

[If MBETYP01 = 1 and MBCHECK = 1 and iteration = 1]

For the period of time you will be enrolled at [school 1] for your [degree], will you be mainly a full-time or a part-time student, or an equal mix of both?

[else if MBETYP01 = 1 and TSLCRN01 = 1]

For the period of time you have been enrolled at [school 1] for your [degree], have you been mainly a full-time or a part-time student, or an equal mix of both?

[else if MBETYP01 = 1]

For the period of time you were enrolled at [school 1] for your [degree], were you mainly a full-time or a part-time student, or an equal mix of both?

[else if MBCHECK = 1 and iteration = 1]

For the period of time you will be enrolled at [school 1] for your undergraduate classes, will you be mainly a full-time or a part-time student, or an equal mix of both?

[else if TSLCRN01 = 1]

For the period of time you have been enrolled at [school 1] for your undergraduate classes, have you been mainly a full-time or a part-time student, or an equal mix of both?

[else]

For the period of time you were enrolled at [school 1] for your undergraduate classes, were you mainly a full-time or a part-time student, or an equal mix of both?

2007

- 1 = Full-time
- 2 = Part-time
- 3 = Equal mix of full-time and part-time

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009 and were enrolled as an undergraduate in 2007.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and (MBJA0701 ne 0 or MBFB0701 ne 0 or MBMR0701 ne 0 or MBAP0701 ne 0 or

MBMY0701 ne 0 or MBJN0701 ne 0 or MBJL0701 ne 0 or MBAG0701 ne 0 or MBSP0701 ne 0 or MBOC0701 ne 0 or MBNV0701 ne 0 or MBDC0701 ne 0)

Sources: BPS:04/09 full scale student interview

MBEN801

Intensity of enrollment 2008 at school 1

[If MBETYP01 = 1 and MBCHECK = 1 and iteration = 1]

For the period of time you will be enrolled at [school 1] for your [degree], will you be mainly a full-time or a part-time student, or an equal mix of both?

[else if MBETYP01 = 1 and TSLCRN01 = 1]

For the period of time you have been enrolled at [school 1] for your [degree], have you been mainly a full-time or a part-time student, or an equal mix of both?

[else if MBETYP01 = 1]

For the period of time you were enrolled at [school 1] for your [degree], were you mainly a full-time or a part-time student, or an equal mix of both?

[else if MBCHECK = 1 and iteration = 1]

For the period of time you will be enrolled at [school 1] for your undergraduate classes, will you be mainly a full-time or a part-time student, or an equal mix of both?

[else if TSLCRN01 = 1]

For the period of time you have been enrolled at [school 1] for your undergraduate classes, have you been mainly a full-time or a part-time student, or an equal mix of both?

[else]

For the period of time you were enrolled at [school 1] for your undergraduate classes, were you mainly a full-time or a part-time student, or an equal mix of both?

2008

- 1 = Full-time
- 2 = Part-time
- 3 = Equal mix of full-time and part-time

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009 and were enrolled as an undergraduate in 2008.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and (MBJA0801 ne 0 or MBFB0801 ne 0 or MBMR0801 ne 0 or MBAP0801 ne 0 or MBMY0801 ne 0 or MBJN0801 ne 0 or MBJL0801 ne 0 or MBAG0801 ne 0 or MBSP0801 ne 0 or MBOC0801 ne 0 or MBNV0801 ne 0 or MBDC0801 ne 0)

Sources: BPS:04/09 full scale student interview

MBEN901

Intensity of enrollment 2009 at school 1

[If MBETYP01 = 1 and MBCHECK = 1 and iteration = 1]

For the period of time you will be enrolled at [school 1] for your [degree], will you be mainly a full-time or a part-time student, or an equal mix of both?
[else if MBETYP01 = 1 and TSLCRN01 = 1]
For the period of time you have been enrolled at [school 1] for your [degree], have you been mainly a full-time or a part-time student, or an equal mix of both?
[else if MBETYP01 = 1]
For the period of time you were enrolled at [school 1] for your [degree], were you mainly a full-time or a part-time student, or an equal mix of both?
[else if MBCHECK = 1 and iteration = 1]
For the period of time you will be enrolled at [school 1] for your undergraduate classes, will you be mainly a full-time or a part-time student, or an equal mix of both?
[else if TSLCRN01 = 1]
For the period of time you have been enrolled at [school 1] for your undergraduate classes, have you been mainly a full-time or a part-time student, or an equal mix of both?
[else]
For the period of time you were enrolled at [school 1] for your undergraduate classes, were you mainly a full-time or a part-time student, or an equal mix of both?
2009

- 1 = Full-time
- 2 = Part-time
- 3 = Equal mix of full-time and part-time

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009 and were enrolled as an undergraduate between January 1, 2009 and June 30, 2009.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and (MBJA0901 ne 0 or MBFB0901 ne 0 or MBMR0901 ne 0 or MBAP0901 ne 0 or MBMY0901 ne 0 or MBJN0901 ne 0)

Sources: BPS:04/09 full scale student interview

MBTNS01

Attempted to transfer credits from another institution to school 1

Did you attempt to transfer any credits to [school 1] from another college or university for your [degree]?

- 0 = No
- 1 = Yes

Applies to: Respondents who enrolled or expected to enroll as an undergraduate in a degree program between July 1, 2006 and June 30, 2009, and attempted to transfer credits.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and MBETYP01 = 1

Sources: BPS:04/09 full scale student interview

MBTRNC01

Transfer credits accepted at school 1

Were all, some, or none of those credits accepted?

- 0 = None
- 1 = Some
- 2 = All

Applies to: Respondents who enrolled or expected to enroll as an undergraduate in a degree program between July 1, 2006 and June 30, 2009, and attempted to transfer credits.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and MBETYP01 = 1 and MBTNS01 = 1

Sources: BPS:04/09 full scale student interview

MBERN01

Earned degree or certificate from school 1

Have you completed your program of study and received your [degree] from [school 1]?

- 0 = No
- 1 = Yes

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, but were not currently enrolled in the program.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and MBETYP01 = 1 and (TSLCRN01 ne 2 and (TSLCRN01 ne 1 or TSLADG01 ne 0))

Sources: BPS:04/09 full scale student interview

MBEXP01

Expect to earn a degree from school 1

Do you expect to receive your [degree] from [school 1] before July 2009?

- 0 = No
- 1 = Yes

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, but had not completed their degree, and began the interview before July 1, 2009.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and MBETYP01 = 1 and MBERN01 ne 1 and (began interview before July 1, 2009)

Sources: BPS:04/09 full scale student interview

MBDEM01

Month degree will be awarded from school 1

In what month before July 2009 do you expect to earn your [degree] from [school 1]?

- 1 = February
- 2 = March
- 3 = April

4 = May
5 = June

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, expected to receive their degree between the time of the interview and June 30, 2009, and began the interview before July 1, 2009.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and MBETYP01 = 1 and MBEXP01 = 1 and (began interview before July 1, 2009)
Sources: BPS:04/09 full scale student interview

MBDGM01

Date degree awarded from school 1

In what month and year was your [degree] awarded by [school 1]?

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, and completed their degree.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and MBETYP01 = 1 and MBERN01 = 1

Sources: BPS:04/09 full scale student interview

TSLCRN01

Current enrollment at school 1

TSLCRN01 is an internal variable that indicates current enrollment for the current iteration.

if MBCHECK = 1 then TSLCRN01 = 2

if MBCREN01 = 1 then TSLCRN01 = 1

else TSLCRN01 = 0

0 = No

1 = Yes

2 = Expect to enroll before July 2009

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009.

Instrument code: MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1

Sources: BPS:04/09 full scale student interview

TSLADG01

Additional degrees at school 1

TSLADG01 is an Internal variable that indicates additional degrees at the previous iteration's school. Not applicable for the first loop.

0 = No

1 = Yes

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009.

Instrument code: MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1

Sources: BPS:04/09 full scale student interview

MBRSDG01, MBRSCR01, MBRSRC01, MBR SJB01, MBRSTR01, MBR SOT01

Reason for attending school 1

[If MBDEG01 in (2 3)]

What were your reasons for choosing to attend [school 1] for your [degree]?

[if MBETYP01 = 2]

What were your reasons for choosing to enroll at [school 1] for your undergraduate classes?

MBRSDG01 - Earn a degree or certificate

MBRSCR01 - Earn course credits needed for a program at a different school

MBRSRC01 - Take courses for recreation, self-improvement or personal interest

MBRSJB01 - Gain job or occupational skills

MBRSTR01 - Prepare for transfer to a 4-year school

MBRSOT01 - Other reason not listed

0 = No

1 = Yes

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, but not in a bachelor's degree program.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and (MBDEG01 in (2 3) or MBETYP01 = 2)

Sources: BPS:04/09 full scale student interview

MBERN201

Enrolled at school 1 for other undergraduate degrees/ certificates

If iteration = 1 and (MBEARNED = 1 and MBERN01 = 1) or

(MBDEG01 in [4 5] and MBERN01 = 1)]

Since July 2006 and prior to earning your bachelor's degree [if MBDGMY01 not missing] in [MBDGM01] [MBDGY01] from [school 1], did you earn or were you enrolled at [school 1] for any other undergraduate degrees or certificates?

[else if iteration > 1]

Since July 2006, have you earned or been enrolled at [school 1] for any undergraduate degrees or certificates about which you have not yet told us? (If you have already told us about a bachelor's degree earned at this school between July 2006 and July 2009, indicate "yes" only if the other undergraduate degree was earned between July 2006 and prior to earning that bachelor's degree at this school.)

[else if MBETYP01 = 1]

Since July 2006, have you earned or been enrolled at [school 1] for any other undergraduate degrees or certificates?

[else]

Since July 2006, have you earned or been enrolled at [school 1] for any undergraduate degrees or certificates?

0 = No

1 = Yes

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009

Instrument code: MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1

Sources: BPS:04/09 full scale student interview

MBPLAN01

Enrollment plans at school 1 for the 2009-2010 school year

Do you plan to enroll at [school 1] at any time during the 2009-2010 school year (July 1, 2009 to June 30, 2010)?

0 = No

1 = Yes

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, did not earn an additional degree at school 1, and did not complete or expect to complete a degree before July 1, 2009.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and MBERN201 ne 1 and (MBERN01 ne 1 and MBEXP01 ne 1)

Sources: BPS:04/09 full scale student interview

MBMNL01

Main reason for leaving school 1

What was your main reason for leaving [school 1] for your [degree]?

1 = Classes not available or scheduling not convenient

2 = Academic problems

3 = Family responsibilities

4 = Personal reasons

5 = Finished taking desired classes

6 = Involuntary withdrawal or suspension

7 = Financial reasons

8 = Dissatisfaction with program, school, campus, or faculty

9 = Military commitment

10 = Another reason not listed

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009 but were not currently enrolled at the school, had no degree from the school and have no future enrollment planned for that school.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and MBERN201 ne 1 and

(MBERN01 ne 1 and MBEXP01 ne 1) and (MBCHECK ne 1 and MBETYP01 ne 2) and (MBPLAN01 ne 1 and TSLCRN01 ne 1)

Sources: BPS:04/09 full scale student interview

MBENR01

Enrolled at an additional school for an undergraduate degree: 1

[If iteration = 1 and (MBEARNED = 1 and MBERN01 = 1) or (MBDEG01 in (4 5)) and MBERN01 = 1]

Between July 2006 and [if MBDGMY01 not missing]

[MBDGM01] [MBDGY01] when you earned your

bachelor's degree, did you enroll at any other schools

besides [school 1]? Please include summer enrollment

and any other undergraduate classes you may have taken for credit.

[else if iteration = 1]

Have you had undergraduate enrollment at any other schools besides [school 1] since July 2006?

[else if iteration ne 1]

You've told us that you have attended the following schools since July 2006: [school 1] [school 2] Have you had undergraduate enrollment at any other schools since July 2006? (If you have already told us about a bachelor's degree earned between July 2006 and July 2009, indicate "yes" only if the other undergraduate enrollment was between July 2006 and prior to earning that bachelor's degree.)

[else]

You've told us that you have attended the following schools between July 2006 and June 30, 2009: [school 1] [school 2] Have you had undergraduate enrollment at any other schools since July 2006?

0 = No

1 = Yes

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009, but did not earn an additional degree from school 1.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and MBERN201 ne 1

Sources: BPS:04/09 full scale student interview

MBENGRD

Enrolled in degree/certificate program since earning bachelor's degree

Now we'd like to ask you some questions about any additional education or training you've had since earning your bachelor's degree from [primary undergraduate school]. Have you enrolled in any degree or certificate programs -- including any graduate and additional undergraduate degree or certificate programs -- since earning this bachelor's degree?

0 = No

1 = Yes

Applies to: Respondents who earned a bachelor's degree at primary school.

Instrument code: MBCHECK ne 1 and (TERNBA = 1 or MBCONFRM = 1)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MBGRDCHK

Expect to enroll in postbaccalaureate program before July 2009

Do you expect to enroll in a degree or certificate program before

July 1, 2009?

0 = No

1 = Yes

Applies to: Respondents who earned a bachelor's degree and had not enrolled in an additional degree since earning the bachelor's and began the interview before July 1, 2009.

Instrument code: MBCHECK ne 1 and (TERNBA = 1 or MBCONFRM = 1) and MBENGRD ne 1 and [began interview before July 1, 2009]

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MBCRGR01

Currently enrolled in postbaccalaureate program 1

Are you currently enrolled in a degree or certificate program?

0 = No

1 = Yes

Applies to: Respondents who enrolled in an additional degree program since earning their bachelor's degree and did not expect to enroll before July 1, 2009.

Instrument code: MBENGRD = 1 and TGLCRN01 ne 2

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

TGLCRN01

Enrollment in postbaccalaureate program 1 before July 2009

TGLCRN01 is an internal variable indicating enrollment in postbaccalaureate program 1.

If MBGRDCHK = 1 then TGLCRN01 = 2

else TGLCRN01 = MBCRGR01

0 = No

1 = Yes

2 = Expect to enroll

Applies to: Respondents who enrolled in an additional degree program since earning the bachelor's degree or who expected to enroll in a degree program before July 1, 2009.

Instrument code: MBGRDCHK = 1 or MBENGRD = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MBDGGR01

Type of postbaccalaureate degree or certificate program 1

[If TGLCRN01 in (1 2)]

What degree or certificate do you expect to earn? (If you expect to receive multiple degrees/certificates, please tell us about only one of them now. You will have an opportunity to tell us about other degrees and certificates later.)

[else]

What degree or certificate were you working on after earning your bachelor's degree from [primary undergraduate school]? (If you were working on multiple degrees/certificates, please tell us about only one of them now. You will have an opportunity to tell us about other degrees and certificates later.)

2 = Undergraduate certificate

3 = Associate's degree

4 = Another bachelor's degree

6 = Postbaccalaureate certificate

8 = Master's degree

9 = Post-master's certificate

10 = Professional degree (only includes the following degree programs: chiropractic, dentistry, law, medicine, optometry, osteopathic medicine, pharmacy, podiatry, ministry or divinity, or veterinary medicine)

11 = Doctoral degree (PhD, EdD, DBA, etc.)

Applies to: Respondents who enrolled in an additional degree program since earning their bachelor's degree.

Instrument code: MBENGRD = 1 or MBGRDCHK = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MBTIGR01

Enrollment intensity in postbaccalaureate program 1

[If TGLCRN01 = 2]

For the period of time you will be enrolled for your [MBDGGR01], will you be mainly a full-time or a part-time student, or an equal mix of both?

[else if TGLCRN01 = 1]

For the period of time you have been enrolled for your [MBDGGR01], have you been mainly a full-time or a part-time student, or an equal mix of both?
[else]

For the period of time you were enrolled for your [MBDGGR01], were you mainly a full-time or a part-time student, or an equal mix of both?

- 1 = Full-time
- 2 = Part-time
- 3 = Equal mix of full-time and part-time

Applies to: Respondents who enrolled in an additional degree program since earning their bachelor's degree.

Instrument code: MBENGRD = 1 or MBGRDCHK = 1
Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MBBGMY01

Date first began postbaccalaureate degree program 1

[If TGLCRN01 = 2]

In what month and year will you first be enrolled for your [MBDGGR01]?
[else]

In what month and year were you first enrolled for your [MBDGGR01]?
Applies to: Respondents who enrolled in an additional degree program since earning their bachelor's degree.

Instrument code: MBENGRD = 1 or MBGRDCHK = 1
Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MBERGR01

Awarded postbaccalaureate degree 1

Have you been awarded your [MBDGGR01]?
0 = No
1 = Yes

Applies to: Respondents who enrolled in an additional degree program since earning their bachelor's degree and were not currently enrolled.

Instrument code: (MBENGRD = 1 or MBGRDCHK = 1) and TGLCRN01 = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MBMRGR01

Enrolled for any other postbaccalaureate degrees or certificates 1

Other than the enrollment you've already told us about, have you enrolled for any other degrees or certificates

after completing your bachelor's degree at [primary undergraduate school]?
0 = No
1 = Yes, earned/enrolled in additional program
2 = Yes, will be enrolled in an additional degree/certificate program before July 2009

Applies to: Respondents who enrolled in an additional degree program since earning their bachelor's degree.

Instrument code: MBENGRD = 1 or MBGRDCHK = 1
Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MBGRDCWK

Enrolled in non-degree coursework since earning bachelor's

Since graduating with your bachelor's degree, have you been enrolled in any coursework not related to a degree or certificate program? If you will be enrolled in any non-degree coursework before July 1, 2009, indicate "yes."
0 = No
1 = Yes

Applies to: Respondents who earned a bachelor's degree.

Instrument code: MBCHECK ne 1 and (TERNBA = 1 or MBCONFRM = 1)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MBCWKTYT

Earned credit for non-degree postbaccalaureate coursework

Did you, or will you, earn credit for any of these courses?
0 = No
1 = Yes

Applies to: Respondents who earned a bachelor's degree and enrolled in additional non-degree coursework since earning the bachelor's.

Instrument code: MBCHECK ne 1 and (TERNBA = 1 or MBCONFRM = 1) and MBGRDCWK = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

TERNBA

Earned bachelor's degree

TERNBA is an internal variable indicating whether the respondent has earned a bachelor's degree.

If DEGTYPE in (4 5) then TERNBA = 1

else TERNBA = 0

- 0 = No
- 1 = Yes

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate program between July 1, 2006 and June 30, 2009.

Instrument code: MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

TEVRUG

Enrolled as an undergraduate student since July 2006

TEVRUG is an internal variable indicating whether the respondent has enrolled as an undergraduate since July 2006.

If MBCONFRM = 1 then TEVRUG = 0
 else if MBEARNED = 1 then TEVRUG = 1
 else if MBENRA = 1 then TEVRUG = 1
 else if MBCHECK = 1 then TEVRUG = 1
 else TEVRUG = 0
 0 = No
 1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

TPLNENR

Plan to enroll for the 2009-2010 school year

TPLNENR is an internal variable that indicates whether the respondent plans to enroll during the 2009-2010 school year.

TPLNENR = 1 if PLANATTD is ever 1 for any SCHIPEDS where PRIMSCH is ever 1

0 = No
 1 = Yes

Applies to: Respondents who enrolled or expected to enroll as an undergraduate between July 1, 2006 and July 30, 2009 and began the interview after June 30, 2009.

Instrument code: MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1 and [began interview before July 1, 2009]

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full-scale student interview.

TDEGTPUG

Degree type pursued at undergraduate target school

TDEGTPUG is an internal variable that indicates the type of degree earned or pursued at the undergraduate target school.

If PRIMSCH = 1 then TDEGTPUG = DEGTYP
 else TDEGTPUG = -9

2 = Undergraduate certificate/diploma
 3 = Associate's degree
 4 = 4-year bachelor's degree program
 5 = 5-year bachelor's degree program

Applies to: Respondents who did not earn a bachelor's degree prior to July 1, 2006 and enrolled or expected to enroll in an undergraduate degree program between July 1, 2006 and June 30, 2009.

Instrument code: (MBEARNED = 1 or MBENRA = 1 or MBCHECK = 1) and DEGTYP > 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

THIGHDG

Highest degree expected

THIGHDG is an internal variable that indicates the highest degree that the respondent reported working on.

If MBDGGR01 = 11 or MBDGGR02 = 11 or
 MBDGGR03 = 11 or
 MBDGGR04 = 11
 then THIGHDG = 11
 else if MBDGGR01 = 10 or MBDGGR02 = 10 or
 MBDGGR03 = 10 or
 MBDGGR04 = 10 then THIGHDG = 10
 else if MBDGGR01 = 9 or MBDGGR02 = 9 or
 MBDGGR03 = 9 or
 MBDGGR04 = 9
 then THIGHDG = 9
 else if MBDGGR01 = 8 or MBDGGR02 = 8 or
 MBDGGR03 = 8 or
 MBDGGR04 = 8
 then THIGHDG = 8
 else if MBDGGR01 = 7 or MBDGGR02 = 7 or
 MBDGGR03 = 7 or
 MBDGGR04 = 7
 then THIGHDG = 7
 else if MBDGGR01 = 6 or MBDGGR02 = 6 or
 MBDGGR03 = 6 or
 MBDGGR04 = 6
 then THIGHDG = 6
 else if MBDGGR01 = 5 or MBDGGR02 = 5 or
 MBDGGR03 = 5 or
 MBDGGR04 = 5
 or DEGTYP = 5 then THIGHDG = 5
 else if MBDGGR01 = 4 or MBDGGR02 = 4 or
 MBDGGR03 = 4 or
 MBDGGR04 = 4
 or DEGTYP = 4 then THIGHDG = 4

else if MBDGGR01 = 3 or MBDGGR02 = 3 or
MBDGGR03 = 3 or
MBDGGR04 = 3

or DEGTTYPE = 3 then THIGHDG = 3

else if MBDGGR01 = 2 or MBDGGR02 = 2 or
MBDGGR03 = 2 or
MBDGGR04 = 2

or DEGTTYPE = 2 then THIGHDG = 2

else THIGHDG = -9

0 = No degree

2 = Undergraduate certificate

3 = Associate's degree (AS, AA, etc.)

4 = Bachelor's degree - 4-year program

5 = Bachelor's degree - 5-year program

6 = Postbaccalaureate certificate

8 = Master's degree

9 = Post-master's certificate

10 = Professional degree (only includes the
following degree programs: chiropractic,
dentistry, law, medicine, optometry, osteopathic
medicine, pharmacy, podiatry, ministry or
divinity, or veterinary medicine)

11 = Doctoral degree (PhD, EdD, DBA, etc.)

Applies to: All respondents.

Perturbation procedures were applied to this and other
variables to protect against disclosure of individual
information.

Sources: BPS:04/09 full scale student interview

TCURENUG

Current attendance in undergraduate

TCURENUG is an internal variable indicating current
enrollment status as an undergraduate at the primary
undergraduate school.

0 = Not currently attending

1 = Currently attending

2 = Expect to enroll before July 2009

Applies to: All respondents.

Perturbation procedures were applied to this and other
variables to protect against disclosure of individual
information.

Sources: BPS:04/09 full scale student interview

TCURENGR

Current attendance in graduate school

TCURENGR is an internal variable indicating current
enrollment status as a graduate student at any school.

0 = Not currently attending

1 = Currently attending

Applies to: All respondents.

Perturbation procedures were applied to this and other
variables to protect against disclosure of individual
information.

Sources: BPS:04/09 full scale student interview

TENRTPUG

Undergraduate enrollment type

TENRTPUG is an internal variable that indicates the
undergraduate enrollment type for the respondent's
primary degree.

If PRIMSCH = 1 and DEGSTAT = 0 then

TENRTPUG = 2

else if PRIMSCH = 1 and DEGSTAT in (1 2 3) then

TENRTPUG = 1

else TENRTPUG = -9

1 = Degree

2 = Course for credit

*Applies to: Respondents who did not earn a bachelor's degree prior
to July 1, 2006 and enrolled or expected to enroll in an
undergraduate program between July 1, 2006 and June 30, 2009.*

Instrument code: MBEARNED = 1 or MBENRA = 1
or MBCHECK = 1

Perturbation procedures were applied to this and other
variables to protect against disclosure of individual
information.

Sources: BPS:04/09 full scale student interview

TERNDGUG

Earned an undergraduate degree

TERNDGUG is an internal variable that indicates
undergraduate degree completion.

If PRIMSCH = 1 and DEGSTAT = 3 then

TERNDGUG = 1

else if PRIMSCH = 1 and DEGSTAT ne 3 then

TERNDGUG = 0

else TERNDGUG = -9

0 = No

1 = Yes

*Applies to: Respondents who confirmed that they received a
bachelor's degree prior to July 1, 2006 or did not earn a bachelor's
degree prior to July 1, 2006 and enrolled as an undergraduate
between July 1, 2006 and June 30, 2009.*

Instrument code: (MBEARNED = 1 or MBENRA = 1
or MBCHECK = 1) and DEGSTAT ne 0 and
DEGTTYPE > 1 and [did not expect to enroll before July
1, 2009 at PRIMSCH and (were not currently enrolled at
PRIMSCH or had not received additional degrees from
PRIMSCH)]

Perturbation procedures were applied to this and other
variables to protect against disclosure of individual
information.

Sources: BPS:04/09 full scale student interview

Section C: Enrollment Characteristics

MCDBLMAJ

Major declared or undeclared

[If TCURENUG = 0]

Had you declared a major when you were last enrolled as an undergraduate at [primary undergraduate school] for your [primary undergraduate degree]?

[else]

Have you declared a major at [primary undergraduate school]?

0 = Not in a degree program

1 = Yes, declared a major

2 = Yes, declared a double major

3 = No

Applies to: Respondents who enrolled in an undergraduate degree program between July 1, 2006 and June 30, 2009, but had not completed the degree.

Instrument code: TEVRUG ne 0 and TDEGTPUG ne 2 and TERNDGUG ne 1 Recode note: If TENRTPUG = 2 then MCDBLMAJ = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCCLTYA - MCCLTYK

Type of class

[If TCURENUG = 0]

What subject areas were you taking classes in when you were last enrolled at [primary undergraduate school]?

[else if TCURENUG = 1]

What subject areas have you been taking classes in at [primary undergraduate school]?

[else]

What subject areas will you be taking classes in at [primary undergraduate school]?

MCCLTYA - Business and Marketing

MCCLTYB- Communications

MCCLTYC- Computer and Informational Sciences

MCCLTYD- Education

MCCLTYE- Engineering and Engineering Technology

MCCLTYF- Healthcare

MCCLTYG- Arts and Humanities

MCCLTYH- Natural Sciences and Mathematics

MCCLTYI- Social Sciences

MCCLTYJ- Career and Technical Education

MCCLTYK- Other subject area(s) not listed

0 = No

1 = Yes

Applies to: Respondents who enrolled as an undergraduate between July 1, 2006 and June 30, 2009, but not in a degree program.

Instrument code: TEVRUG ne 0 and TDEGTPUG ne 2 and TERNDGUG ne 1 and MCDBLMAJ in (0 3)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCDEGMAJ

Earned a double major with degree

Did you have a double major at [primary undergraduate school]?

0 = No

1 = Yes

Applies to: Respondents who completed an undergraduate degree since July 1, 2006.

Instrument code: TEVRUG ne 0 and TENRTPUG NE 2 and TDEGTPUG ne 2 and TERNDGUG = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCMAJ1

Education Program: Primary major: string

[If TCURENUG = 0 and (MCDBLMAJ = 2 or MCDEGMAJ = 1)]

What was your primary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 0 and MCDBLMAJ = 1]

What was your major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 1 and MCDBLMAJ = 2]

What is your primary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 1 and MCDBLMAJ = 1]

What is your major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 2 and MCDBLMAJ = 2]

What will be your primary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else]

What will be your major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

Please enter your major in the box provided and then click the "Search for Major" button. A list of categories that match your entry will be displayed.

Applies to: Respondents who enrolled as an undergraduate between July 1, 2006 and June 30, 2009.

Instrument code: TEVRUG ne 0

Recode note: 1) If TENRTPUG = 2 or MCDBLMAJ = 0 then MCMAJ1 = NOT IN A DEGREE PROGRAM
2) If MCDBLMAJ = 3 then MCMAJ1 = UNDECLARED

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCMJ1GEN

Primary major: general CIP code

[If TCURENUG = 0 and (MCDBLMAJ = 2 or MCDEGMAJ = 1)]

What was your primary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 0 and MCDBLMAJ = 1]

What was your major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 1 and MCDBLMAJ = 2]

What is your primary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 1 and MCDBLMAJ = 1]

What is your major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 2 and MCDBLMAJ = 2]

What will be your primary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else]

What will be your major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

Please enter your major in the box provided and then click the "Search for Major" button. A list of categories that match your entry will be displayed.

The 2010 Classification of Instructional Programs (CIP) was used to code these data. See <http://nces.ed.gov/ipeds/cipcode/> for more information on the CIP.

- 1 = Agriculture/operations/related sciences
- 3 = Natural resources and conservation
- 4 = Architecture and related services
- 5 = Area/ethnic/cultural/gender/grp studies
- 9 = Communication, journalism, related

- 10 = Communication technology and support
- 11 = Computer/information science/support
- 12 = Personal and culinary services
- 13 = Education
- 14 = Engineering
- 15 = Engineering technologies/related fields
- 16 = Foreign languages/literature/linguistics
- 19 = Family/consumer sciences/human sciences
- 22 = Legal professions and studies
- 23 = English language and literature/letters
- 24 = Liberal arts/sci/gen studies/humanities
- 25 = Library science
- 26 = Biological and biomedical sciences
- 27 = Mathematics and statistics
- 28 = Military sci/leadership/operational art
- 29 = Military technologies/applied sciences
- 30 = Multi/interdisciplinary studies
- 31 = Parks/recreation/leisure/fitness studies
- 38 = Philosophy and religious studies
- 39 = Theology and religious vocations
- 40 = Physical sciences
- 41 = Science technologies/technicians
- 42 = Psychology
- 43 = Homeland security/law enforce/protective
- 44 = Public administration/social service
- 45 = Social sciences
- 46 = Construction trades
- 47 = Mechanic/repair technologies/technicians
- 48 = Precision production
- 49 = Transportation and materials moving
- 50 = Visual and performing arts
- 51 = Health professions and related programs
- 52 = Business/management/marketing/related
- 54 = History
- 60 = Residency programs
- 98 = Not in a degree program
- 99 = Undeclared

Applies to: Respondents who enrolled as an undergraduate between July 1, 2006 and June 30, 2009.

Instrument code: TEVRUG ne 0

Recode note: 1) If TENRTPUG = 2 or MCDBLMAJ = 0 then MCMJ1GEN = 98 2) If MCDBLMAJ = 3 then MCMJ1GEN = 99

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCMJ1SPE

Primary major: specific CIP code

[If TCURENUG = 0 and (MCDBLMAJ = 2 or MCDEGMAJ = 1)]

What was your primary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 0 and MCDBLMAJ = 1]
What was your major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?
[else if TCURENUG = 1 and MCDBLMAJ = 2]
What is your primary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?
[else if TCURENUG = 1 and MCDBLMAJ = 1]
What is your major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?
[else if TCURENUG = 2 and MCDBLMAJ = 2]
What will be your primary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?
[else]
What will be your major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?
Please enter your major in the box provided and then click the "Search for Major" button. A list of categories that match your entry will be displayed.
The 2010 Classification of Instructional Programs (CIP) was used to code these data. See <http://nces.ed.gov/ipeds/cipcode/> for more information on the CIP.
Note: The following frequency listing shows all valid responses to MCMJ1SPE.
Applies to: Respondents who enrolled as an undergraduate between July 1, 2006 and June 30, 2009.
Instrument code: TEVRUG ne 0
Recode note: 1) If TENRTPUG = 2 then MCMJ1SPE = 98 2) If MCDBLMAJ = 0 then MCMJ1SPE = 99
Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.
Sources: BPS:04/09 full scale student interview

MCMAJ2

Secondary major: string
[If TCURENUG = 0]
What was your secondary undergraduate major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?
[else if TCURENUG = 1]
What is your current secondary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?
[else if TCURENUG = 2]
What will be your current secondary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?
[else]

[else]
What is your secondary major or field of study?
Please enter your major in the box provided and then click the "Search for Major" button. A list of categories that match your entry will be displayed.
Applies to: Respondents who enrolled in an undergraduate degree program between July 1, 2006 and June 30, 2009 and either declared a double major, were not in a degree program, or did not declare a major.
Instrument code: TEVRUG ne 0 and (MCDBLMAJ in (0 2 3) or MCDEGMAJ = 1)
Recode note: 1) If TENRTPUG = 2 or MCDBLMAJ = 0 then MCMAJ2 = NOT IN A DEGREE PROGRAM
2) If MCDBLMAJ = 3 then MCMAJ2 = UNDECLARED
Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.
Sources: BPS:04/09 full scale student interview

MCMJ2GEN

Secondary major: general CIP code
[If TCURENUG = 0]
What was your secondary undergraduate major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?
[else if TCURENUG = 1]
What is your current secondary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?
[else if TCURENUG = 2]
What will be your current secondary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?
[else]
What is your secondary major or field of study?
Please enter your major in the box provided and then click the "Search for Major" button. A list of categories that match your entry will be displayed.
The 2010 Classification of Instructional Programs (CIP) was used to code these data. See <http://nces.ed.gov/ipeds/cipcode/> for more information on the CIP.
1 = Agriculture/operations/related sciences
3 = Natural resources and conservation
4 = Architecture and related services
5 = Area/ethnic/cultural/gender/grp studies
9 = Communication, journalism, related
10 = Communication technology and support
11 = Computer/information science/support
12 = Personal and culinary services
13 = Education
14 = Engineering

- 15 = Engineering technologies/related fields
- 16 = Foreign languages/literature/linguistics
- 19 = Family/consumer sciences/human sciences
- 22 = Legal professions and studies
- 23 = English language and literature/letters
- 24 = Liberal arts/sci/gen studies/humanities
- 25 = Library science
- 26 = Biological and biomedical sciences
- 27 = Mathematics and statistics
- 28 = Military sci/leadership/operational art
- 29 = Military technologies/applied sciences
- 30 = Multi/interdisciplinary studies
- 31 = Parks/recreation/leisure/fitness studies
- 38 = Philosophy and religious studies
- 39 = Theology and religious vocations
- 40 = Physical sciences
- 41 = Science technologies/technicians
- 42 = Psychology
- 43 = Homeland security/law enforce/protective
- 44 = Public administration/social service
- 45 = Social sciences
- 46 = Construction trades
- 47 = Mechanic/repair technologies/technicians
- 48 = Precision production
- 49 = Transportation and materials moving
- 50 = Visual and performing arts
- 51 = Health professions and related programs
- 52 = Business/management/marketing/related
- 54 = History
- 60 = Residency programs
- 98 = Not in a degree program
- 99 = Undeclared

Applies to: Respondents who enrolled in an undergraduate degree program between July 1, 2006 and June 30, 2009 and either declared a double major, were not in a degree program, or did not declare a major.

Instrument code: TEVRUG ne 0 and (MCDBLMAJ in (0 2 3) or MCDEGMAJ = 1)

Recode note: 1) If TENRTPUG = 2 or MCDBLMAJ = 0 then MCMJ2GEN = 98 2) If MCDBLMAJ = 3 then MCMJ2GEN = 99

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCMJ2SPE

Secondary major: specific CIP code

[If TCURENUG = 0]

What was your secondary undergraduate major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 1]

What is your current secondary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 2]

What will be your current secondary major or field of study for your [primary undergraduate degree] at [primary undergraduate school]?

[else]

What is your secondary major or field of study?

Please enter your major in the box provided and then click the "Search for Major" button. A list of categories that match your entry will be displayed.

The 2010 Classification of Instructional Programs (CIP) was used to code these data. See

<http://nces.ed.gov/ipeds/cipcode/> for more information on the CIP.

Note: The following frequency listing shows all valid responses to MCMJ2SPE.

Applies to: Respondents who enrolled in an undergraduate degree program between July 1, 2006 and June 30, 2009 and either declared a double major, were not in a degree program, or did not declare a major.

Instrument code: TEVRUG ne 0 and (MCDBLMAJ in (0 2 3) or MCDEGMAJ = 1)

Recode note: 1) If TENRTPUG = 2 or MCDBLMAJ = 0 then MCMJ2GEN = 98 2) If MCDBLMAJ = 3 then MCMJ2GEN = 99

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCMAJCHG

Frequency of formal changes in major

[If TCURENUG = 0]

How many times did you formally change your major or field of study at [primary undergraduate school] when you were last enrolled there for your [primary undergraduate degree]?

[else]

How many times have you formally changed your major or field of study at [primary undergraduate school]?

0 = Never

1 = One time

2 = More than one time

Applies to: Respondents who enrolled in an undergraduate degree program since July 1, 2006 and had declared at least one major.

Instrument code: TEVRUG ne 0 and TENRTPUG ne 2 and MCDBLMAJ ne 3 and TCURENUG ne 2

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCUGYR

Undergraduate level last term

[If TCURENUG = 0]

What was your year or level during your most recent term at [primary undergraduate school] when you were last enrolled there as an undergraduate?

[else]

What is your year or level at [primary undergraduate school]?

- 1 = First year or freshman
- 2 = Second year or sophomore
- 3 = Third year or junior
- 4 = Fourth year or senior
- 5 = Fifth year or higher undergraduate
- 6 = Unclassified undergraduate

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006 but had not yet earned an undergraduate degree.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2 and TERNDGUG = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCGPAEST

Estimate of GPA

[If TENRTPUG = 1]

Which of the following best describes your grades at [primary undergraduate school] for your [primary undergraduate degree]?

[else]

Which of the following best describes your grades at [primary undergraduate school] through the end of your most recent term there?

- 1 = Mostly A's (3.75 and above)
- 2 = A's and B's (3.25-3.74)
- 3 = Mostly B's (2.75-3.24)
- 4 = B's and C's (2.25-2.74)
- 5 = Mostly C's (1.75-2.24)
- 6 = C's and D's (1.25-1.74)
- 7 = Mostly D's or below (below 1.24)
- 8 = School does not award grades

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCSCHRES

Residence while enrolled

[If TCURENUG = 0 and TENRTPUG = 1]

When you were last enrolled at [primary undergraduate school] for your [primary undergraduate degree], did you live on campus, some place else, or with your parent(s) or guardian(s)?

[else if TCURENUG = 0 and TENRTPUG ne 1]

When you were last enrolled at [primary undergraduate school] as an undergraduate, did you live on campus, some place else, or with your parent(s) or guardian(s)?

[else]

While enrolled at [primary undergraduate school], do you live on campus, some place else, or with your parent(s) or guardian(s)?

- 1 = On-campus or in other, school-provided housing
- 2 = Some place else (off campus), but not with parent(s)/guardian(s)
- 3 = With parent(s)/guardian(s)

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCPARDEC

Parents deceased

[If TCURENUG = 0 and TENRTPUG = 1]

When you were last enrolled at [primary undergraduate school] for your [primary undergraduate degree], did you live on campus, some place else, or with your parent(s) or guardian(s)?

[else if TCURENUG = 0 and TENRTPUG ne 1]

When you were last enrolled at [primary undergraduate school] as an undergraduate, did you live on campus, some place else, or with your parent(s) or guardian(s)?

[else]

While enrolled at [primary undergraduate school], do you live on campus, some place else, or with your parent(s) or guardian(s)?

(Please check here if both of your parents/guardians are/were deceased)

0 = No

1 = Yes

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCNUMJOB

Number of jobs during last term of enrollment

[If TCURENUG = 0 and TENRTPUG = 1]

How many jobs for pay did you have when you were last enrolled for your [primary undergraduate degree] at [primary undergraduate school] -- none, one, or more than one?

[else if TCURENUG = 0 and TENRTPUG ne 1]

How many jobs for pay did you have when you were last enrolled at [primary undergraduate school] for your undergraduate coursework -- none, one, or more than one?

[else]

How many jobs are you currently working for pay -- none, one, or more than one?

0 = None

1 = One

2 = More than one

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCONOFF

Job on or off campus

[If TCURENUG = 0 and MCNUMBJOB = 2 and TENRTPUG = 1]

Since you had more than one job when you were last enrolled at [primary undergraduate school] for your [primary undergraduate degree], in the next set of questions please refer to the job at which you worked the most hours. Was that job located primarily on or off campus?

[else if TCURENUG = 0 and MCNUMJOB = 1 and TENRTPUG = 1]

The next set of questions focuses on the job you had when you were last enrolled at [primary undergraduate school] for your [primary undergraduate degree]. Was your job located primarily on or off campus?

[else if TCURENUG = 0 and MCNUMBJOB = 2 and TENRTPUG ne 1]

Since you had more than one job when you were last enrolled at [primary undergraduate school] for your undergraduate coursework, in the next set of questions

please refer to the one at which you worked the most hours. Was that job located primarily on or off campus? [else if TCURENUG = 0 and MCNUMJOB = 1 and TENRTPUG ne 1]

The next set of questions focuses on the job you had when you were last enrolled at [primary undergraduate school] for your undergraduate coursework. Was your job located primarily on or off campus?

[else if TCURENUG = 1 and MCNUMJOB = 2]

Since you have more than one job, in the next set of questions please refer to the one at which you work the most hours. Is that job located primarily on or off campus?

[else]

Is your job located primarily on or off campus?

1 = On campus

2 = Off campus

3 = Both on and off campus

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006 and worked while enrolled.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2 and MCNUMJOB > 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCWRKSTD

Work study job

[If TCURENUG = 0]

Was that job a work-study job?

[else]

Is that job a work-study job?

0 = No

1 = Yes

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006 and worked while enrolled.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2 and MCNUMJOB > 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCEMPTY

Type of employer

[If TCURENUG = 0]

In that job, did you work for...

[else]

In your job, do you work for...

1 = [Your most recent undergraduate school]

2 = A for-profit company

3 = A nonprofit organization

- 4 = A local, state, or federal government
- 5 = The military (including civilian employees of the military)
- 6 = You were self-employed
- 7 = None of the above

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006 and worked while enrolled.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2 and MCNUMJOB > 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCRELMAJ

Job related to major

[If TCURENUG = 0]

Would you say that job was related to your [primary undergraduate degree] major or field of study?

[else]

Would you say your job is related to your [primary undergraduate degree] major or field of study?

0 = No

1 = Yes

Applies to: Respondents who enrolled in an undergraduate degree program since July 1, 2006 and worked while enrolled in a degree or certificate program and who declared at least one major.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2 and MCNUMJOB > 0 and TENRTPUG ne 2 and MCDBLMAJ not in (0 3)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCRELCRS

Job related to coursework

[If TCURENUG = 0]

Would you say that job was related to your coursework at [primary undergraduate school]?

[else]

Would you say your job is related to your coursework at [primary undergraduate school]?

0 = No

1 = Yes

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006 and worked while taking classes (not enrolled in a degree program), or worked while enrolled in a degree program but did not declare a major.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2 and MCNUMJOB > 0 and (TENRTPUG = 2 or MCDBLMAJ in (0 3))

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCHOURS

Hours worked per week when last enrolled

[If TCURENUG = 0 and MCNUMJOB = 2 and TENRTPUG = 1]

When you were last enrolled at [primary undergraduate school] for your [primary undergraduate degree], how many hours did you work per week (on average) at all your jobs? Please exclude summer hours if you were not enrolled during the summer.

[else if TCURENUG = 0 and MCNUMJOB = 2 and TENRTPUG ne 1]

When you were last enrolled at [primary undergraduate school] for your undergraduate coursework, how many hours did you work per week (on average) at all your jobs? Please exclude summer hours if you were not enrolled during the summer.

[else if TCURENUG = 0 and MCNUMJOB = 1 and TENRTPUG = 1]

When you were last enrolled at [primary undergraduate school] for your [primary undergraduate degree], how many hours did you work per week (on average)? Please exclude summer hours if you were not enrolled during the summer.

[else if TCURENUG = 0 and MCNUMJOB = 1 and TENRTPUG ne 1]

When you were last enrolled at [primary undergraduate school] for your undergraduate coursework, how many hours did you work per week (on average)? Please exclude summer hours if you were not enrolled during the summer.

[else if TCURENUG = 1 and MCNUMJOB = 2]

While enrolled at [primary undergraduate school], how many hours do you work per week (on average) at ALL your jobs? Please exclude summer hours if you were not enrolled during the summer.

[else]

While enrolled at [primary undergraduate school], how many hours do you work per week (on average)? Please exclude summer hours if you were not enrolled during the summer.

Hour(s)

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006 and worked while enrolled.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2 and MCNUMJOB > 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCENRWRK

Primary role while working

[If TCURENUG = 0 and TENRTPUG = 1]

While you were both working and enrolled at [primary undergraduate school] for your [primary undergraduate degree], would you say you were primarily...

[else if TCURENUG = 0 and TENRTPUG ne 1]

While you were both working and enrolled at [primary undergraduate school] for your undergraduate coursework, would you say you were primarily...

[else]

While enrolled at [primary undergraduate school] and working, would you say you are primarily...

1 = A student working to meet expenses

2 = An employee who decided to enroll in school

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006 and worked while enrolled.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2 and MCNUMJOB > 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCAFFORD

Afford school without working

[If TCURENUG = 0 and TENRTPUG = 1]

Could you have afforded to attend [primary undergraduate school] for your [primary undergraduate degree] if you had not worked?

[else if TCURENUG = 0]

Could you have afforded to attend [primary undergraduate school] if you had not worked?

[else]

Could you afford to attend [primary undergraduate school] if you were not working?

0 = No

1 = Yes

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006 and worked while enrolled.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2 and MCNUMJOB > 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCMNRSN

Main reason for working

[If TCURENUG = 0 and TENRTPUG = 1]

What was your main reason for working when you were last enrolled for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 0 and TENRTPUG ne 1]

What was your main reason for working when you were last enrolled as an undergraduate at [primary undergraduate school]?

[else]

What is your main reason for working while you are enrolled at [primary undergraduate school]?

0 = To pay living expenses such as housing, utilities, and transportation

1 = To pay educational expenses such as tuition, fees, books, and supplies

2 = To earn spending money

3 = To minimize the amount of debt you have

4 = To gain job experience

7 = Other

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006 and worked while enrolled.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2 and MCNUMJOB > 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCPRPAA

Help from parents: tuition and fees

[If TCURENUG = 0 and TENRTPUG = 1]

Which of the following did your parents or guardians help you pay when you were last enrolled for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 0 and TENRTPUG ne 1]

Which of the following did your parents or guardians help you pay when you were last enrolled as an undergraduate at [primary undergraduate school]?

[else]

Which of the following have your parents or guardians helped you to pay?

Tuition and fees

0 = No

1 = Yes

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006 whose parents were not deceased.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2 and MCPARDEC ne 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCPRPAB

Help from parents: other educational/ living expenses

[If TCURENUG = 0 and TENRTPUG = 1]

Which of the following did your parents or guardians help you pay when you were last enrolled for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 0 and TENRTPUG ne 1]

Which of the following did your parents or guardians help you pay when you were last enrolled as an undergraduate at [primary undergraduate school]?

[else]

Which of the following have your parents or guardians helped you to pay?

Other educational and living expenses

0 = No

1 = Yes

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006 whose parents were not deceased.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2 and MCPARDEC ne 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCPRPAC

Help from parents: no financial support

[If TCURENUG = 0 and TENRTPUG = 1]

Which of the following did your parents or guardians help you pay when you were last enrolled for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 0 and TENRTPUG ne 1]

Which of the following did your parents or guardians help you pay when you were last enrolled as an undergraduate at [primary undergraduate school]?

[else]

Which of the following have your parents or guardians helped you to pay?

None of the above - no financial assistance from parents

0 = No

1 = Yes

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006 whose parents were not deceased.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2 and MCPARDEC ne 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCPARDC2

Parents deceased

[If TCURENUG = 0 and TENRTPUG = 1]

Which of the following did your parents or guardians help you pay when you were last enrolled for your [primary undergraduate degree] at [primary undergraduate school]?

[else if TCURENUG = 0 and TENRTPUG ne 1]

Which of the following did your parents or guardians help you pay when you were last enrolled as an undergraduate at [primary undergraduate school]?

[else]

Which of the following have your parents or guardians helped you to pay?

None of the above - both parents or guardians are deceased

0 = No

1 = Yes

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006.

Instrument code: TEVRUG ne 0 and TCURENUG ne 2

Recode note: If MCPARDEC = 1 then MCPARDC2 = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCUGLN

Any undergraduate loans

Now we'd like to ask you about any financial aid you may have received to help pay for your undergraduate education. Did you take out any type of education loans to help pay for your undergraduate education?

0 = No

1 = Yes

Applies to: All respondents.

Recode note: If MCUGLAM = 0 then MCUGLN = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCLNTYA

Type of undergraduate loan: federal

What type(s) of loan(s) did you take out for your undergraduate education?

Federal loans, such as Stafford or Perkins loans

0 = No

1 = Yes

Applies to: Respondents who took out loans for their undergraduate education.

Instrument code: MCUGLN = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCLNTYB

Type of undergraduate loan: private

What type(s) of loan(s) did you take out for your undergraduate education?

Private loans, such as Sallie Mae Signature, CitiAssist, and EXCEL loans

0 = No

1 = Yes

Applies to: Respondents who took out loans for their undergraduate education.

Instrument code: MCUGLN = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCLNTYC

Type of undergraduate loan: other

What type(s) of loan(s) did you take out for your undergraduate education?

Other types of loans

0 = No

1 = Yes

Applies to: Respondents who took out loans for their undergraduate education.

Instrument code: MCUGLN = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCLNRSA - MCLNRSF

Reason for taking out private loan

What reasons did you have for taking out private loans for your undergraduate education?

MCLNRSA - Needed more money

MCLNRSB - Did not qualify for other loan aid

MCLNRSC - Private loan application process was fast and easy

MCLNRSD - Loan repayment could be deferred until after graduation

MCLNRSE - Private education loan checks are issued directly to the student rather than distributed by institution's aid office

MCLNRSF - Other reason

0 = No

1 = Yes

Applies to: Respondents who took out a private loan for their undergraduate education.

Instrument code: MCUGLN = 1 and MCLNTYB = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCUGLAM

Amount borrowed for undergraduate loans

How much have you borrowed in student loans for your entire undergraduate education? (Please do not include any money borrowed from family or friends.)

Applies to: Respondents who took out loans for their undergraduate education.

Instrument code: MCUGLN = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCUGOWE

Amount owed for undergraduate education

How much of that amount do you still owe?

Applies to: Respondents who took out loans for their undergraduate education.

Instrument code: MCUGLN = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCLNWRTH

Loan debt worthwhile investment

Do you consider your undergraduate student loan debt to be a worthwhile investment in your future?

0 = No

1 = Yes

Applies to: Respondents who took out loans for their undergraduate education.

Instrument code: MCUGLN = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCLNINL

Loan influenced enrollment plans

Has the amount of student loan debt you have from your undergraduate education influenced your enrollment plans and decisions in any way?

0 = No

1 = Yes

Applies to: Respondents who took out loans for their undergraduate education and had not earned a bachelor's degree.

Instrument code: MCUGLN = 1 and TERNBA ne 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCLNINA - MCLNING

Influence of student loans on enrollment

In what ways has your undergraduate student loan debt influenced your enrollment plans and decisions?

MCLNINA - Increased or decreased the number of classes or credits taken in a term

MCLNINB - Enrolled during summer sessions

MCLNINC - Took one or more terms off from school

MCLNIND - Postponed enrolling for additional education or training

MCLNINE - Chose a more affordable school

MCLNINF - Enrolled for additional education sooner

MCLNING - Other reason not listed

0 = No

1 = Yes

Applies to: Respondents who took out loans for their undergraduate education, had not earned a bachelor's degree, and whose enrollment plans were affected by the student loan debt.

Instrument code: MCUGLN = 1 and TERNBA ne 1 and MCLNINL = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCRPYST

Currently repaying any undergraduate loans

Are you currently repaying any educational loans for your undergraduate education?

0 = No

1 = Yes

Applies to: Respondents who owed money for their undergraduate loans.

Instrument code: MCUGOWE > 0 or MCUGOWE = - 6

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCRPYAMT

Monthly payment on undergraduate loans

How much do you pay each month for your undergraduate education loans?

Applies to: Respondents who owed money for their undergraduate loans.

Instrument code: MCUGOWE > 0 or MCUGOWE = - 6

Recode note: If MCRPYST = 0 then MCRPYAMT = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCFAMLN

Anyone helping to repay loans

Is anyone, such as a family member or friend, helping you to repay your undergraduate loans? (If you are married and only your spouse is helping you to repay your undergraduate loans, indicate "no.")

0 = No

1 = Yes

Applies to: Respondents who owed money for their undergraduate loans, were currently repaying their undergraduate loans, and were under the 30 years old as of January 1, 2009.

Instrument code: (MCUGOWE > 0 or MCUGOWE = - 6) and MCRPYST = 1 and TAGE < 30

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCINCHO

Satisfaction with school choice

[If TCURENUG = 1]

Are you satisfied with the quality of the undergraduate education you are receiving at [primary undergraduate school]?

[else]

Are you satisfied with the quality of the undergraduate education you received at [primary undergraduate school]?

0 = No

1 = Yes

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006.

Instrument code: TCURENUG ne 2

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCMJCHO

Satisfaction with choice of major

[If MCDEGMAJ = 1 or MCDBLMAJ = 2]

Are you satisfied with your choice of majors at [primary undergraduate school]?

[else if MCDBLMAJ = 0 or TENRTPUG = 2]

Are you satisfied with your course of study at [primary undergraduate school]?

[else if MCMAJ1 = -9]

Are you satisfied with your choice of undergraduate major or course of study?

[else]

Are you satisfied with your choice of [MCMAJ1] as your undergraduate major or course of study?

0 = No

1 = Yes

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006.

Instrument code: TCURENUG ne 2

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MCCOBEN

Undergraduate education worth the cost

Do you think your undergraduate education has been worth the cost?

0 = No

1 = Yes

Applies to: Respondents who enrolled as an undergraduate since July 1, 2006.

Instrument code: TCURENUG ne 2

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

Section D: Employment

MDJSTAT

Currently employed

Are you currently employed?

0 = No

1 = Yes

Applies to: Respondents who began the interview before July 1, 2009, were not currently attending graduate school, and either not attending the primary undergraduate school or not enrolled in a degree or certificate program, or began the interview after June 30, 2009, were not currently attending graduate school, and either did not plan to attend the primary undergraduate school in the 2009-2010 school year or were not enrolled in a degree or certificate program.

Instrument code: ([began interview before July 1, 2009] and (TCURENGR ne 1 and (TCURENUG ne 1 or TENRTPUG ne 1))) or ([began interview after June 30, 2009] and (TCURENGR ne 1 and (TPLNENR ne 1 or TENRTPUG ne 1)))

Recode note: 1) If (TCURENGR = 1 or (TCURENUG = 1 and TENRTPUG = 1)) and (TCURENUG = 1 and MCNUMJOB > 0) then MDJSTAT = 1

2) If (TCURENGR ne 1 and (TCURENUG ne 1 or TENRTPUG ne 1)) and (TCURENUG = 1 and MCNUMJOB = 0) then MDJSTAT = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDJBDY

Job duties

What is your job title and what do you do in your job?

Please enter your job title and duties in the textboxes below and click on the "Search for Occupation" button. If you have more than one job, please refer to the job at which you work the most hours when answering the next few questions.

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDJBTL

Job title

What is your job title and what do you do in your job?

Please enter your job title and duties in the textboxes below and click on the "Search for Occupation" button. If you have more than one job, please refer to the job at

which you work the most hours when answering the next few questions.

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDOCC2

Occupation coder: general code

What is your job title and what do you do in your job?

Please enter your job title and duties in the textboxes below and click on the "Search for Occupation" button.

If you have more than one job, please refer to the job at which you work the most hours when answering the next few questions.

11 = Management occupations

13 = Business and financial operation occupations

15 = Computer and mathematical occupations

17 = Architecture and engineering occupations

19 = Life, physical, and social science occupations

21 = Community and social services occupations

23 = Legal occupations

25 = Education, training, and library occupations

27 = Arts, design, entertainment, sports, and media occupations

29 = Healthcare practitioners/technical occupations

31 = Healthcare support occupations

33 = Protective service occupations

35 = Food preparation and serving related occupations

37 = Building/grounds cleaning and maintenance occupations

39 = Personal care and service occupations

41 = Sales and related occupations

43 = Office/administrative support occupation

45 = Farming, fishing, and forestry occupations

47 = Construction and extraction occupations

49 = Installation, maintenance, and repair occupations

51 = Production occupations

53 = Transportation and material moving

55 = Military specific occupations

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDOCC3

Occupation coder: detailed code

What is your job title and what do you do in your job?

Please enter your job title and duties in the textboxes below and click on the "Search for Occupation" button.

If you have more than one job, please refer to the job at which you work the most hours when answering the next few questions.

- 111 = Top executives
- 112 = Advertising/marketing/etc manager
- 113 = Operations specialties manager
- 119 = Other management
- 131 = Business operations specialist
- 132 = Financial specialist
- 151 = Computer specialist
- 152 = Mathematical science
- 171 = Architects, surveyors, and cartographers
- 172 = Engineers
- 173 = Drafter/engineering/mapping technician
- 191 = Life scientists
- 192 = Physical scientists
- 193 = Social scientists and related workers
- 194 = Life/physical/social science technician
- 211 = Counselor/social worker/other specialist
- 212 = Religious workers
- 231 = Lawyers, judges, and related workers
- 232 = Legal support workers
- 251 = Postsecondary teacher
- 252 = Primary/secondary/special ed teacher
- 253 = Other teachers and instructors
- 254 = Librarians, curators, and archivists
- 259 = Other education/training/library
- 271 = Art and design workers
- 272 = Entertainer/performer/sports/related
- 273 = Media and communication
- 274 = Media and communication equipment
- 291 = Health diagnosing/treating practitioner
- 292 = Health technologists and technicians
- 299 = Other healthcare practitioner/technical
- 311 = Nursing/psychiatric/home health aide
- 312 = Occupational/physical therapist aide
- 319 = Other healthcare support
- 331 = First-line manager, protective service
- 332 = Fire fighting and prevention
- 333 = Law enforcement
- 339 = Other protective service
- 351 = Supervisor, food preparation and serving
- 352 = Cooks and food preparation
- 353 = Food and beverage serving
- 359 = Other food preparation/serving related
- 371 = Supervisor, building/grounds maintenance
- 372 = Building cleaning and pest control
- 373 = Grounds maintenance
- 391 = Supervisor, personal care and service
- 392 = Animal care and service
- 393 = Entertainment attendants and related

- 394 = Funeral service
- 395 = Personal appearance
- 396 = Transportation/tourism/lodging attendant
- 399 = Other personal care and service
- 411 = Supervisors, sales
- 412 = Retail sales
- 413 = Sales representative, services
- 414 = Sales representative, wholesale, etc
- 419 = Other sales and related
- 431 = Supervisor, office/administrative
- 432 = Communications equipment operators
- 433 = Financial clerks
- 434 = Information and record clerks
- 435 = Material recording, scheduling, etc
- 436 = Secretaries and administrative assistant
- 439 = Other office and administrative support
- 451 = Supervisor, farming/fishing/forestry
- 452 = Agricultural
- 453 = Fishing and hunting
- 454 = Forest, conservation, and logging
- 471 = Supervisors, construction and extraction
- 472 = Construction trades
- 473 = Helpers, construction trades
- 474 = Other construction and related
- 475 = Extraction
- 491 = Supervisor, installation, etc
- 492 = Electrical equipment installer, etc
- 493 = Vehicle/mobile equipment installers, etc
- 499 = Other installation, etc
- 511 = Supervisors, production
- 512 = Assemblers and fabricators
- 513 = Food processing
- 514 = Metal workers and plastic
- 515 = Printing
- 516 = Textile, apparel, and furnishings
- 517 = Woodworkers
- 518 = Plant and system operators
- 519 = Other production
- 531 = Supervisor, transportation/moving
- 532 = Air transportation
- 533 = Motor vehicle operator
- 534 = Rail transportation
- 535 = Water transportation
- 536 = Other transportation
- 537 = Material moving
- 551 = Military officer special/tactical ops
- 552 = First-line enlisted military supervisor
- 553 = Enlisted tactical ops, air/weapon crew

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDOCC6*Occupation coder: specific code*

What is your job title and what do you do in your job?

Please enter your job title and duties in the textboxes below and click on the "Search for Occupation" button.

If you have more than one job, please refer to the job at which you work the most hours when answering the next few questions.

- 111011 = Chief executives
- 111021 = General and operations managers
- 111031 = Legislators
- 112011 = Advertising and promotions managers
- 112021 = Marketing managers
- 112022 = Sales managers
- 112031 = Public relations managers
- 113011 = Administrative services managers
- 113021 = Computer and info systems managers
- 113031 = Financial managers
- 113041 = Compensation and benefits managers
- 113042 = Training and development managers
- 113049 = Human resources managers, all other
- 113051 = Industrial production managers
- 113061 = Purchasing managers
- 113071 = Transportation, storage, etc manager
- 119011 = Farm/ranch/other agricultural managers
- 119012 = Farmers and ranchers
- 119021 = Construction managers
- 119031 = Ed administrator/preschool/child care
- 119032 = Ed administrator, elementary/secondary
- 119033 = Education administrators, postsecondary
- 119039 = Education administrators, all other
- 119041 = Engineering managers
- 119051 = Food service managers
- 119061 = Funeral directors
- 119071 = Gaming managers
- 119081 = Lodging managers
- 119111 = Medical and health services managers
- 119121 = Natural sciences managers
- 119131 = Postmasters and mail superintendents
- 119141 = Property, real estate, etc managers
- 119151 = Social and community service managers
- 119199 = Managers, all other
- 131011 = Agent/business manager of performers
- 131021 = Purchasing agent/buyer, farm products
- 131022 = Wholesale/retail buyer, except farm
- 131023 = Purchasing agent, except wholesale
- 131031 = Claims adjuster, examiner, investigator
- 131032 = Insurance appraisers, auto damage
- 131041 = Compliance officer (not agriculture)
- 131051 = Cost estimators
- 131061 = Emergency management specialists
- 131071 = Employment, recruitment, specialist
- 131072 = Compensation, benefits, specialist
- 131073 = Training and development specialists
- 131079 = Hr/training/specialists, all other
- 131081 = Logisticians
- 131111 = Management analysts
- 131121 = Meeting and convention planners
- 131199 = Business ops specialists, all other
- 132011 = Accountants and auditors
- 132021 = Appraisers and assessors of real estate
- 132031 = Budget analysts
- 132041 = Credit analysts
- 132051 = Financial analysts
- 132052 = Personal financial advisors
- 132053 = Insurance underwriters
- 132061 = Financial examiners
- 132071 = Loan counselors
- 132072 = Loan officers
- 132081 = Tax examiner, collector, revenue agent
- 132082 = Tax preparers
- 132099 = Financial specialists, all other
- 151011 = Computer and info scientist, research
- 151021 = Computer programmers
- 151031 = Computer software engineer, applications
- 151032 = Computer software engineer, systems
- 151041 = Computer support specialists
- 151051 = Computer systems analysts
- 151061 = Database administrators
- 151071 = Network/computer systems administrator
- 151081 = Network system/data analyst
- 151099 = Computer specialists, all other
- 152011 = Actuaries
- 152021 = Mathematicians
- 152031 = Operations research analysts
- 152041 = Statisticians
- 152091 = Mathematical technicians
- 152099 = Mathematical scientists, all other
- 171011 = Architects, except landscape and naval
- 171012 = Landscape architects
- 171021 = Cartographers and photogrammetrists
- 171022 = Surveyors
- 172011 = Aerospace engineers
- 172021 = Agricultural engineers
- 172031 = Biomedical engineers
- 172041 = Chemical engineers
- 172051 = Civil engineers
- 172061 = Computer hardware engineers
- 172071 = Electrical engineers
- 172072 = Electronics engineers, except computer
- 172081 = Environmental engineers
- 172111 = Health/safety engineer, except mining
- 172112 = Industrial engineers
- 172121 = Marine engineers and naval architects
- 172131 = Materials engineers
- 172141 = Mechanical engineers
- 172151 = Geological engineer, including mining
- 172161 = Nuclear engineers
- 172171 = Petroleum engineers
- 172199 = Engineers, all other
- 173011 = Architectural and civil drafters
- 173012 = Electrical and electronics drafters
- 173013 = Mechanical drafters

Appendix D. Facsimile of Full-scale Instrument—Section D: Employment

173019 = Drafters, all other	211014 = Mental health counselors
173021 = Aerospace engineer/ops technician	211015 = Rehabilitation counselors
173022 = Civil engineering technicians	211019 = Counselors, all other
173023 = Electrical engineering technician	211021 = Child, family, and school social workers
173024 = Electro-mechanical technicians	211022 = Medical and public health social workers
173025 = Environmental engineering technicians	211023 = Mental health/substance social worker
173026 = Industrial engineering technicians	211029 = Social workers, all other
173027 = Mechanical engineering technicians	211091 = Health educators
173029 = Engineering tech, other (except drafter)	211092 = Probation officer/correctional treatment
173031 = Surveying and mapping technicians	211093 = Social and human service assistants
191011 = Animal scientists	211099 = Community/social specialist, other
191012 = Food scientists and technologists	212011 = Clergy
191013 = Soil and plant scientists	212021 = Director, religious activities, and edu
191021 = Biochemists and biophysicists	212099 = Religious workers, all other
191022 = Microbiologists	231011 = Lawyers
191023 = Zoologists and wildlife biologists	231021 = Administrative law judge, etc
191029 = Biological scientists, all other	231022 = Arbitrators, mediators, and conciliators
191031 = Conservation scientists	231023 = Judge, magistrate judge, magistrate
191032 = Foresters	232011 = Paralegals and legal assistants
191041 = Epidemiologists	232091 = Court reporters
191042 = Medical scientist, except epidemiologist	232092 = Law clerks
191099 = Life scientists, all other	232093 = Title examiner, abstractor, and searcher
192011 = Astronomers	232099 = Legal support workers, all other
192012 = Physicists	251011 = Business teachers, postsecondary
192021 = Atmospheric and space scientists	251021 = Computer science teachers, postsecondary
192031 = Chemists	251022 = Mathematical science, postsecondary
192032 = Materials scientists	251031 = Architecture teachers, postsecondary
192041 = Environmental scientist, includes health	251032 = Engineering teachers, postsecondary
192042 = Geoscientist, except hydrologists	251041 = Agricultural science, postsecondary
192043 = Hydrologists	251042 = Biological science, postsecondary
192099 = Physical scientists, all other	251043 = Forestry/conservation sci, postsecondary
193011 = Economists	251051 = Atmospheric science, postsecondary
193021 = Market research analysts	251052 = Chemistry teachers, postsecondary
193022 = Survey researchers	251053 = Environmental science, postsecondary
193031 = Clinical/counseling/school psychologist	251054 = Physics teachers, postsecondary
193032 = Industrial-organizational psychologists	251061 = Anthropology/archeology, postsecondary
193039 = Psychologists, all other	251062 = Area/ethnic/cultural, postsecondary
193041 = Sociologists	251063 = Economics teachers, postsecondary
193051 = Urban and regional planners	251064 = Geography teachers, postsecondary
193091 = Anthropologists and archeologists	251065 = Political science, postsecondary
193092 = Geographers	251066 = Psychology teachers, postsecondary
193093 = Historians	251067 = Sociology teachers, postsecondary
193094 = Political scientists	251069 = Social science, postsecondary, all other
193099 = Social scientist and related, other	251071 = Health specialties, postsecondary
194011 = Agricultural and food science technician	251072 = Nurse instructor/teacher, postsecondary
194021 = Biological technicians	251081 = Education teachers, postsecondary
194031 = Chemical technicians	251082 = Library science teachers, postsecondary
194041 = Geological and petroleum technicians	251111 = Criminal justice, etc, postsecondary
194051 = Nuclear technicians	251112 = Law teachers, postsecondary
194061 = Social science research assistants	251113 = Social work teachers, postsecondary
194091 = Environmental/protection science tech	251121 = Art, drama, and music, postsecondary
194092 = Forensic science technicians	251122 = Communications teachers, postsecondary
194093 = Forest and conservation technicians	251123 = English lang/literature, postsecondary
194099 = Life/physical technician, other	251124 = Foreign lang/literature, postsecondary
211011 = Substance abuse/behavioral counselor	251125 = History teachers, postsecondary
211012 = Ed, vocational, and school counselor	251126 = Philosophy and religion, postsecondary
211013 = Marriage and family therapists	251191 = Graduate teaching assistants

251192 = Home economics teachers, postsecondary	273043 = Writers and authors
251193 = Recreation/fitness, postsecondary	273091 = Interpreters and translators
251194 = Vocational education, postsecondary	273099 = Media/communication worker, all other
251199 = Postsecondary teachers, all other	274011 = Audio and video equipment technicians
252011 = Preschool teacher, except special ed	274012 = Broadcast technicians
252012 = Kindergarten teacher, except special ed	274013 = Radio operators
252021 = Elementary teacher, except special ed	274014 = Sound engineering technicians
252022 = Middle teacher, except special/voc	274021 = Photographers
252023 = Vocational ed teacher, middle	274031 = Camera operator/TV/video/motion picture
252031 = Secondary teacher, except special/voc ed	274032 = Film and video editors
252032 = Vocational ed teacher, secondary	274099 = Media/communication equipment, all other
252041 = Special ed teacher, pre-k/k/elementary	291011 = Chiropractors
252042 = Special ed teacher, middle	291021 = Dentists, general
252043 = Special ed teacher, secondary	291022 = Oral and maxillofacial surgeons
253011 = Adult literacy/remedial ed/ged teacher	291023 = Orthodontists
253021 = Self-enrichment education teachers	291024 = Prosthodontists
253099 = Teachers and instructors, all other	291029 = Dentists, all other specialists
254011 = Archivists	291031 = Dietitians and nutritionists
254012 = Curators	291041 = Optometrists
254013 = Museum technicians and conservators	291051 = Pharmacists
254021 = Librarians	291061 = Anesthesiologists
254031 = Library technicians	291062 = Family and general practitioners
259011 = Audio-visual collections specialists	291063 = Internists, general
259021 = Farm and home management advisors	291064 = Obstetricians and gynecologists
259031 = Instructional coordinators	291065 = Pediatricians, general
259041 = Teacher assistants	291066 = Psychiatrists
259099 = Ed/training/library worker, all other	291067 = Surgeons
271011 = Art directors	291069 = Physicians and surgeons, all other
271012 = Craft artists	291071 = Physician assistants
271013 = Fine artist, including painter, etc	291081 = Podiatrists
271014 = Multi-media artists and animators	291111 = Registered nurses
271019 = Artists and related workers, all other	291121 = Audiologists
271021 = Commercial and industrial designers	291122 = Occupational therapists
271022 = Fashion designers	291123 = Physical therapists
271023 = Floral designers	291124 = Radiation therapists
271024 = Graphic designers	291125 = Recreational therapists
271025 = Interior designers	291126 = Respiratory therapists
271026 = Merchandise displayer/window trimmer	291127 = Speech-language pathologists
271027 = Set and exhibit designers	291129 = Therapists, all other
271029 = Designers, all other	291131 = Veterinarians
272011 = Actors	291199 = Health diagnosing practitioner, other
272012 = Producers and directors	292011 = Medical/clinical laboratory technologist
272021 = Athletes and sports competitors	292012 = Medical/clinical laboratory technician
272022 = Coaches and scouts	292021 = Dental hygienists
272023 = Umpire/referee/other sports official	292031 = Cardiovascular technologist/technician
272031 = Dancers	292032 = Diagnostic medical sonographers
272032 = Choreographers	292033 = Nuclear medicine technologists
272041 = Music directors and composers	292034 = Radiologic technologists and technicians
272042 = Musicians and singers	292041 = Emergency medical technician/paramedic
272099 = Entertainer/performer/sports, other	292051 = Dietetic technicians
273011 = Radio and television announcers	292052 = Pharmacy technicians
273012 = Public address system/other announcer	292053 = Psychiatric technicians
273021 = Broadcast news analysts	292054 = Respiratory therapy technicians
273022 = Reporters and correspondents	292055 = Surgical technologists
273031 = Public relations specialists	292056 = Veterinary technologists and technicians
273041 = Editors	
273042 = Technical writers	

Appendix D. Facsimile of Full-scale Instrument—Section D: Employment

292061 = Licensed practical/vocational nurse	353031 = Waiters and waitresses
292071 = Medical records/health info technician	353041 = Food servers, nonrestaurant
292081 = Opticians, dispensing	359011 = Dining room/cafeteria attendant, etc
292091 = Orthotists and prosthetists	359021 = Dishwashers
292099 = Health technologist/technician, other	359031 = Host/hostess, restaurant, etc
299011 = Occupational health/safety specialist	359099 = Food prep/serving related, other
299012 = Occupational health/safety technician	371011 = First-line manager, housekeeping/janitor
299091 = Athletic trainers	371012 = First-line manager, landscaping, etc
299099 = Health technologist/technician, other	372011 = Janitor/cleaner, except maid/housekeeper
311011 = Home health aides	372012 = Maids and housekeeping cleaners
311012 = Nursing aides, orderlies, and attendants	372019 = Building cleaning workers, all other
311013 = Psychiatric aides	372021 = Pest control workers
312011 = Occupational therapist assistants	373011 = Landscaping and groundskeeping workers
312012 = Occupational therapist aides	373012 = Pesticide handler/sprayer/vegetation etc
312021 = Physical therapist assistants	373013 = Tree trimmers and pruners
312022 = Physical therapist aides	373019 = Grounds maintenance workers, all other
319011 = Massage therapists	391011 = Gaming supervisors
319091 = Dental assistants	391012 = Slot key persons
319092 = Medical assistants	391021 = First-line manager, personal service
319093 = Medical equipment preparers	392011 = Animal trainers
319094 = Medical transcriptionists	392021 = Nonfarm animal caretakers
319095 = Pharmacy aides	393011 = Gaming dealers
319096 = Veterinary assistant/lab animal care	393012 = Gaming and sports book writer/runner
319099 = Healthcare support workers, all other	393019 = Gaming service workers, all other
331011 = First-line manager, correctional officer	393021 = Motion picture projectionists
331012 = First-line manager, police/detectives	393031 = Usher, lobby attendant, and ticket taker
331021 = First-line manager, fire fighting, etc	393091 = Amusement and recreation attendants
331099 = First-line manager, protective, other	393092 = Costume attendants
332011 = Fire fighters	393093 = Locker/coat/dressing room attendant
332021 = Fire inspectors and investigators	393099 = Entertainment attendants and related
332022 = Forest fire/prevention specialist	394011 = Embalmers
333011 = Bailiffs	394021 = Funeral attendants
333012 = Correctional officers and jailers	395011 = Barbers
333021 = Detectives and criminal investigators	395012 = Hairdresser, hairstylist, cosmetologist
333031 = Fish and game wardens	395091 = Makeup artist, theatrical/performance
333041 = Parking enforcement workers	395092 = Manicurists and pedicurists
333051 = Police and sheriff's patrol officers	395093 = Shampooers
333052 = Transit and railroad police	395094 = Skin care specialists
339011 = Animal control workers	396011 = Baggage porters and bellhops
339021 = Private detectives and investigators	396012 = Concierges
339031 = Gaming surveillance officer/investigator	396021 = Tour guides and escorts
339032 = Security guards	396022 = Travel guides
339091 = Crossing guards	396031 = Flight attendants
339092 = Lifeguard/ski patrol/other service	396032 = Transportation attendant, except flight
339099 = Protective service workers, all other	399011 = Child care workers
351011 = Chefs and head cooks	399021 = Personal and home care aides
351012 = First-line manager, food prep/serving	399031 = Fitness trainer and aerobics instructor
352011 = Cooks, fast food	399032 = Recreation workers
352012 = Cooks, institution and cafeteria	399041 = Residential advisors
352013 = Cooks, private household	399099 = Personal care/service workers, all other
352014 = Cooks, restaurant	411011 = First-line manager, retail sales
352015 = Cooks, short order	411012 = First-line manager, non-retail sales
352019 = Cooks, all other	412011 = Cashiers
352021 = Food preparation workers	412012 = Gaming change persons and booth cashiers
353011 = Bartenders	412021 = Counter and rental clerks
353021 = Food prep/serving, includes fast food	412022 = Parts salespersons
353022 = Counter attendant, cafeteria, etc	

412031 = Retail salespersons	435111 = Weigher/measurer/sampler, recordkeeping
413011 = Advertising sales agents	436011 = Executive secretary/admin assistant
413021 = Insurance sales agents	436012 = Legal secretaries
413031 = Securities, commodities, etc agent	436013 = Medical secretaries
413041 = Travel agents	436014 = Secretary, except legal/medical/exec
413099 = Sales representatives, services, other	439011 = Computer operators
414011 = Sales rep, wholesale, technical	439021 = Data entry keyers
414012 = Sales rep, wholesale, except technical	439022 = Word processors and typists
419011 = Demonstrators and product promoters	439031 = Desktop publishers
419012 = Models	439041 = Insurance claims/policy processing clerk
419021 = Real estate brokers	439051 = Mail clerk/machine op, except postal
419022 = Real estate sales agents	439061 = Office clerks, general
419031 = Sales engineers	439071 = Office machine operator, except computer
419041 = Telemarketers	439081 = Proofreaders and copy markers
419091 = Door-to-door sales, etc, related	439111 = Statistical assistants
419099 = Sales and related workers, all other	439199 = Office/admin support worker, other
431011 = First-line manager, office/admin support	451011 = First-line manager, farming/fishing/etc
432011 = Switchboard operator, includes answering	451012 = Farm labor contractors
432021 = Telephone operators	452011 = Agricultural inspectors
432099 = Communications equipment operator, other	452021 = Animal breeders
433011 = Bill and account collectors	452041 = Grader/sorter, agricultural products
433021 = Billing/posting clerk/machine operator	452091 = Agricultural equipment operators
433031 = Bookkeeping/accounting/auditing clerk	452092 = Farmworker/laborer: crop, nursery, etc
433041 = Gaming cage workers	452093 = Farmworkers, farm and ranch animals
433051 = Payroll and timekeeping clerks	452099 = Agricultural workers, all other
433061 = Procurement clerks	453011 = Fishers and related fishing workers
433071 = Tellers	453021 = Hunters and trappers
434011 = Brokerage clerks	454011 = Forest and conservation workers
434021 = Correspondence clerks	454021 = Fallers
434031 = Court, municipal, and license clerks	454022 = Logging equipment operators
434041 = Credit authorizers, checkers, and clerks	454023 = Log graders and scalers
434051 = Customer service representatives	454029 = Logging workers, all other
434061 = Eligibility interviewer, govt program	471011 = First-line manager, construction, etc
434071 = File clerks	472011 = Boilermakers
434081 = Hotel, motel, and resort desk clerks	472021 = Brickmasons and blockmasons
434111 = Interviewer, except eligibility/loan	472022 = Stonemasons
434121 = Library assistants, clerical	472031 = Carpenters
434131 = Loan interviewers and clerks	472041 = Carpet installers
434141 = New accounts clerks	472042 = Floor layer, except carpet/wood/etc
434151 = Order clerks	472043 = Floor sanders and finishers
434161 = HR assistant, except payroll/timekeeping	472044 = Tile and marble setters
434171 = Receptionists and information clerks	472051 = Cement masons and concrete finishers
434181 = Reservation/transportation ticket agent	472053 = Terrazzo workers and finishers
434199 = Information and record clerks, all other	472061 = Construction laborers
435011 = Cargo and freight agents	472071 = Paving/surfacing/etc equipment operator
435021 = Couriers and messengers	472072 = Pile-driver operators
435031 = Police, fire, and ambulance dispatchers	472073 = Operating engineer, other operator
435032 = Dispatcher, except police/fire/ambulance	472081 = Drywall and ceiling tile installers
435041 = Meter readers, utilities	472082 = Tapers
435051 = Postal service clerks	472111 = Electricians
435052 = Postal service mail carriers	472121 = Glaziers
435053 = Postal mail sorter, processor, etc	472131 = Insulation workers, floor/ceiling/wall
435061 = Production, planning, expediting clerk	472132 = Insulation workers, mechanical
435071 = Shipping, receiving, and traffic clerks	472141 = Painters, construction and maintenance
435081 = Stock clerks and order fillers	472142 = Paperhangers
	472151 = Pipelayers

Appendix D. Facsimile of Full-scale Instrument—Section D: Employment

472152 = Plumbers, pipefitters, and steamfitters	493051 = Motorboat mechanics
472161 = Plasterers and stucco masons	493052 = Motorcycle mechanics
472171 = Reinforcing iron and rebar workers	493053 = Outdoor power equipment/etc mechanic
472181 = Roofers	493091 = Bicycle repairers
472211 = Sheet metal workers	493092 = Recreational vehicle service technicians
472221 = Structural iron and steel workers	493093 = Tire repairers and changers
473011 = Helpers--brickmason/blockmason/etc	499011 = Mechanical door repairers
473012 = Helpers--carpenters	499012 = Control/valve installer, except door
473013 = Helpers--electricians	499021 = Heating, air conditioning, etc mechanic
473014 = Helpers--painter/paperhanger/etc	499031 = Home appliance repairers
473015 = Helpers--pipelayer/plumber/etc	499041 = Industrial machinery mechanics
473016 = Helpers--roofers	499042 = Maintenance and repair workers, general
473019 = Helpers, construction trades, all other	499043 = Maintenance workers, machinery
474011 = Construction and building inspectors	499044 = Millwrights
474021 = Elevator installers and repairers	499045 = Refractory repairer, except brickmason
474031 = Fence erectors	499051 = Electrical power-line installer/repairer
474041 = Hazardous materials removal workers	499052 = Telecommunication line installer
474051 = Highway maintenance workers	499061 = Camera/photographic equipment repairer
474061 = Rail laying/maintenance equipment op	499062 = Medical equipment repairers
474071 = Septic tank servicer/sewer pipe cleaner	499063 = Musical instrument repairers and tuners
474091 = Segmental pavers	499064 = Watch repairers
474099 = Construction/related workers, other	499069 = Precision instrument/etc repairer, other
475011 = Derrick operators, oil and gas	499091 = Coin/vending/etc machine servicer
475012 = Rotary drill operators, oil and gas	499092 = Commercial divers
475013 = Service unit operators, oil/gas/mining	499093 = Fabric menders, except garment
475021 = Earth drillers, except oil and gas	499094 = Locksmiths and safe repairers
475031 = Explosives worker, blaster, etc	499095 = Manufactured bldng/mobile home installer
475041 = Continuous mining machine operators	499096 = Riggers
475042 = Mine cutting/channeling machine operator	499097 = Signal and track switch repairers
475049 = Mining machine operators, all other	499098 = Helper--installation/maintenance/repair
475051 = Rock splitters, quarry	499099 = Installation/maintenance/repair, other
475061 = Roof bolters, mining	511011 = First-line manager, production/operating
475071 = Roustabouts, oil and gas	512011 = Aircraft structure/surface/etc assembler
475081 = Helpers--extraction workers	512021 = Coil winders, tapers, and finishers
475099 = Extraction workers, all other	512022 = Electrical equipment assembler
491011 = First-line manager, mechanic, etc	512023 = Electromechanical equipment assemblers
492011 = Computer, automated teller, etc repairer	512031 = Engine and other machine assemblers
492021 = Radio mechanics	512041 = Structural metal fabricators and fitters
492022 = Telecommunication installer, except line	512091 = Fiberglass laminators and fabricators
492091 = Avionics technicians	512092 = Team assemblers
492092 = Electric motor/power tool/other repairer	512093 = Timing device assembler/adjuster/etc
492093 = Electrical installer, transportation	512099 = Assemblers and fabricators, all other
492094 = Electrical repairer, commercial, etc	513011 = Bakers
492095 = Electrical repairer, powerhouse, etc	513021 = Butchers and meat cutters
492096 = Electronic installer, motor vehicles	513022 = Meat/poultry/fish cutter/trimmer
492097 = Electronic home entertainment installer	513023 = Slaughterers and meat packers
492098 = Security/fire alarm systems installer	513091 = Food/tobacco roasting machine operator
493011 = Aircraft mechanic/service technician	513092 = Food batchmakers
493021 = Automotive body and related repairers	513093 = Food cooking machine operator/tender
493022 = Automotive glass installer/repairer	514011 = Computer machine operator, metal/plastic
493023 = Automotive service technician/mechanic	514012 = Numerical tool/process programmer
493031 = Bus/truck mechanic, diesel specialist	514021 = Drawing machine setter, metal/plastic
493041 = Farm equipment mechanics	514022 = Forging machine setter, metal/plastic
493042 = Mobile equipment mechanic, except engine	514023 = Rolling machine setter, metal/plastic
493043 = Rail car repairers	514031 = Cutting machine setter, metal/plastic

514032 = Drilling machine setter, metal/plastic	519011 = Chemical equipment operators and tenders
514033 = Grinding machine setter, metal/plastic	519012 = Separating/filtering/etc machine setter
514034 = Lathe machine setter, metal/plastic	519021 = Crushing/grinding/etc machine setter
514035 = Milling machine setter, metal/plastic	519022 = Grinding and polishing workers, hand
514041 = Machinists	519023 = Mixing/blending machine setter
514051 = Metal-refining furnace operator/tender	519031 = Cutters and trimmers, hand
514052 = Pourers and casters, metal	519032 = Cutting/slicing machine setter
514061 = Model makers, metal and plastic	519041 = Extruding machine setter
514062 = Patternmakers, metal and plastic	519051 = Furnace/kiln/oven/etc operator
514071 = Foundry mold and coremakers	519061 = Inspector/tester/sorter/sampler/weigher
514072 = Molding machine setter, metal/plastic	519071 = Jeweler/precious stone/metal workers
514081 = Multiple machine setter, metal/plastic	519081 = Dental laboratory technicians
514111 = Tool and die makers	519082 = Medical appliance technicians
514121 = Welders, cutters, solderers, and brazers	519083 = Ophthalmic laboratory technicians
514122 = Welding machine setter/operator	519111 = Packaging/filling machine operator
514191 = Heat treating setter, metal/plastic	519121 = Coating/painting/spraying machine setter
514192 = Lay-out workers, metal and plastic	519122 = Painters, transportation equipment
514193 = Plating machine setter, metal/plastic	519123 = Painting, coating, and decorating worker
514194 = Tool grinders, filers, and sharpeners	519131 = Photographic process workers
514199 = Metal/plastic worker, all other	519132 = Photographic processing machine operator
515011 = Bindery workers	519141 = Semiconductor processors
515012 = Bookbinders	519191 = Cementing and gluing machine operator
515021 = Job printers	519192 = Cleaning/washing/etc equipment operator
515022 = Prepress technicians and workers	519193 = Cooling/freezing equipment operator
515023 = Printing machine operators	519194 = Etchers and engravers
516011 = Laundry and dry-cleaning workers	519195 = Molder/shaper/etc, except metal/plastic
516021 = Presser, textile/garment/etc	519196 = Paper goods machine setter
516031 = Sewing machine operators	519197 = Tire builders
516041 = Shoe and leather workers and repairers	519198 = Helpers--production workers
516042 = Shoe machine operators and tenders	519199 = Production workers, all other
516051 = Sewers, hand	531011 = Aircraft cargo handling supervisors
516052 = Tailors, dressmakers, and custom sewers	531021 = First-line manager, helper/laborer, hand
516061 = Textile bleaching/etc machine operator	531031 = First-line manager, vehicle operator
516062 = Textile cutting machine setter	532011 = Airline pilot, copilot, flight engineer
516063 = Textile knitting machine setter	532012 = Commercial pilots
516064 = Textile winding machine setter	532021 = Air traffic controllers
516091 = Extruding machine setter, glass fiber	532022 = Airfield operations specialists
516092 = Fabric and apparel patternmakers	533011 = Ambulance driver/attendant, except EMT
516093 = Upholsterers	533021 = Bus drivers, transit and intercity
516099 = Textile/apparel/furnishing worker, other	533022 = Bus drivers, school
517011 = Cabinetmakers and bench carpenters	533031 = Driver/sales workers
517021 = Furniture finishers	533032 = Truck drivers, heavy and tractor-trailer
517031 = Model makers, wood	533033 = Truck drivers, light or delivery service
517032 = Patternmakers, wood	533041 = Taxi drivers and chauffeurs
517041 = Sawing machine setter, wood	533099 = Motor vehicle operators, all other
517042 = Woodworking setter, except sawing	534011 = Locomotive engineers
517099 = Woodworkers, all other	534012 = Locomotive firers
518011 = Nuclear power reactor operators	534013 = Rail yard engineer/dinkey operator
518012 = Power distributors and dispatchers	534021 = Railroad brake/signal/switch operator
518013 = Power plant operators	534031 = Railroad conductors and yardmasters
518021 = Stationary engineer/boiler operator	534041 = Subway and streetcar operators
518031 = Water/liquid waste plant op	534099 = Rail transportation workers, all other
518091 = Chemical plant and system operators	535011 = Sailors and marine oilers
518092 = Gas plant operators	535021 = Captain/mate/pilot of water vessel
518093 = Petroleum system/refinery op, gauger	
518099 = Plant and system operators, all other	

535022 = Motorboat operators
 535031 = Ship engineers
 536011 = Bridge and lock tenders
 536021 = Parking lot attendants
 536031 = Service station attendants
 536041 = Traffic technicians
 536051 = Transportation inspectors
 536099 = Transportation workers, all other
 537011 = Conveyor operators and tenders
 537021 = Crane and tower operators
 537031 = Dredge operators
 537032 = Excavating machine/dragline operator
 537033 = Loading machine, underground mining
 537041 = Hoist and winch operators
 537051 = Industrial truck and tractor operators
 537061 = Cleaners of vehicles and equipment
 537062 = Laborer/mover, hand
 537063 = Machine feeders and offbearers
 537064 = Packers and packagers, hand
 537071 = Gas pumping station operator
 537072 = Pump operators, except wellhead pumpers
 537073 = Wellhead pumpers
 537081 = Refuse and recyclable material collector
 537111 = Shuttle car operators
 537121 = Tank car, truck, and ship loaders
 537199 = Material moving workers, all other
 551011 = Air crew officers
 551012 = Aircraft launch and recovery officers
 551013 = Armored assault vehicle officers
 551014 = Artillery and missile officers
 551015 = Command and control center officers
 551016 = Infantry officers
 551017 = Special forces officers
 551019 = Military officer special/tactical ops
 552011 = First-line manager, air crew
 552012 = First-line manager, weapons specialists
 552013 = First-line manager, other tactical ops
 553011 = Air crew members
 553012 = Aircraft launch and recovery specialists
 553013 = Armored assault vehicle crew members
 553014 = Artillery and missile crew members
 553015 = Command and control center specialists
 553016 = Infantry
 553017 = Radar and sonar technicians
 553018 = Special forces
 553019 = Enlisted tactical ops, air/weapon crew

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDCURTYP

Type of employer

Job title: [MDJBTL]

In your current job, do you work for...

- 1 = [Your primary undergraduate school]
- 2 = A for-profit company
- 3 = A nonprofit organization
- 4 = A local, state, or federal government
- 5 = The military (including civilian employees of the military)
- 6 = I am self-employed
- 7 = None of the above

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Recode note: If MDJSTAT = 1 and TCURENUG = 1 then MDCURTYP = MCEMPTYP

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDIND

Industry: string

Job title: [MDJBTL]

[If MDCURTYP = 6]

From the list below, please select the category which best describes your industry or business area. As you click on a selection, examples of the industry will be displayed in the box.

[else]

From the list below, please select the category which best describes your employer's industry or business area. As you click on a selection, examples of the industry will be displayed in the box.

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Recode note: 1) If MDJSTAT = 1 and MDCURTYP = 5 (military) then MDIND = "MILITARY" 2) If MDJSTAT = 1 and MDCURTYP = 4 (government) then MDIND = "GOVERNMENT" 3) If MDJSTAT = 1 and TCURENUG=1 and MCEMPTYP = 5 (military) then MDIND = "MILITARY" 4) If MDJSTAT = 1 and TCURENUG=1 and MCEMPTYP = 4 (government) then MDIND = "GOVERNMENT"

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDINDCD

Industry: code

Job title: [MDJBTL]

[If MDCURTYP = 6]

From the list below, please select the category which best describes your industry or business area. As you click on

a selection, examples of the industry will be displayed in the box.

[else]

From the list below, please select the category which best describes your employer's industry or business area. As you click on a selection, examples of the industry will be displayed in the box.

0 = None listed

11 = Agriculture, forestry, fishing, hunting

21 = Mining

22 = Utilities

23 = Construction

31 = Manufacturing

42 = Wholesale trade

44 = Retail/retail trade

48 = Transportation and warehousing

51 = Information/communication/data processing

52 = Finance and insurance

53 = Real estate and rental and leasing

54 = Professional, scientific, and technical services

55 = Management of companies and enterprises

61 = Education/education services

62 = Health care and social assistance

71 = Arts, entertainment, and recreation

72 = Hotels/motels/accommodations and food services

81 = All other services

92 = Public administration/government

561 = Administrative and support services

562 = Waste management/environmental remediation

811 = Personal care services

812 = Automotive repair and maintenance

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Recode note: 1) If MDJSTAT = 1 and MDCURTYP = 5 (military) then MDINDCD = 92 2) If MDJSTAT = 1 and MDCURTYP = 4 (government) then MDINDCD = 92 3) If MDJSTAT = 1 and TCURENUG = 1 and MCEMPTYP in (4 5) then MDINDCD = 92

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDSIMJBB

Same or similar job before enrolled

Job title: [MDJBTL]

Did you have your current job, or a similar job, before you enrolled at [primary undergraduate school]?

0 = No

1 = Yes

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDSIMJE

Same or similar job while enrolled

[If TCURENUG = 1]

Have you had another similar job during your enrollment at [primary undergraduate school]?

[else]

Did you have your current job, or a similar job, while you were enrolled at [primary undergraduate school]?

0 = No

1 = Yes

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDJOBM

Total number of months in same or similar job

Job title: [MDJBTL]

How long have you been working in your current job and any similar jobs you had before it?

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDHOURS

Hours worked per week

Job title: [MDJBTL]

On average, how many hours do you work per week in your job?

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Recode note: If MDJSTAT = 1 and TCURENUG = 1 then MDHOURS = MCHOURS

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDERNAMT

Amount earned from job

Job title: [MDJBTL]

How much do you earn from your job?

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDEARNT

Time frame for earnings

Job title: [MDJBTL]

How much do you earn from your job?

- 1 = Per year
- 2 = Per month
- 3 = Per week
- 4 = Per hour

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDTOTERN

Employment: total earnings

MDTOTERN is an internal variable indicating earnings from current job.

Initialize MDTOTERN = -9

If MDERNAMT = -9 then MDTOTERN = -9

else if MDEARNT = MDTOTERN = -9

else if MDEARNT = 1 then MDTOTERN = MDERNAMT

else if MDEARNT = 2 then MDTOTERN = MDERNAMT * 12

else if MDEARNT = 3 then MDTOTERN = MDERNAMT * 52

else if MDEARNT = 4 then MDTOTERN = MDERNAMT * 2000

Note: Due to rounding, MDTOTERN may not equal calculations exactly.

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDEMPBA

Employer offers benefits: medical insurance

Job title: [MDJBTL]

Which of the following benefits does your current employer offer? Medical insurance and/or other health insurance such as dental or vision

0 = No

1 = Yes

Applies to: Respondents who were currently employed, but not self-employed.

Instrument code: MDJSTAT = 1 and MDCURTYP ne 6 and (TCURENUG ne 1 or MCEMPTY ne 6)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDEMPBB

Employer offers benefits: life insurance

Job title: [MDJBTL]

Which of the following benefits does your current employer offer? Life insurance

0 = No

1 = Yes

Applies to: Respondents who were currently employed, but not self-employed.

Instrument code: MDJSTAT = 1 and MDCURTYP ne 6 and (TCURENUG ne 1 or MCEMPTY ne 6)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDEMPBC

Employer offers benefits: retirement benefits

Job title: [MDJBTL]

Which of the following benefits does your current employer offer?

Retirement or other financial benefits, such as a 401(k)/403(b)

0 = No

1 = Yes

Applies to: Respondents who were currently employed, but not self-employed.

Instrument code: MDJSTAT = 1 and MDCURTYP ne 6 and (TCURENUG ne 1 or MCEMPTY ne 6)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDJBREA

Job responsibilities: supervise others

Job title: [MDJBTL]

In your current job, do you...

Supervise the work of others?

0 = No

1 = Yes

Applies to: Respondents who were currently employed, but not self-employed.

Instrument code: MDJSTAT = 1 and MDCURTYP ne 6 and (TCURENUG ne 1 or MCEMPTYP ne 6)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDJBREB

Job responsibilities: hiring or firing decisions

Job title: [MDJBTL]

In your current job, do you...

Participate in hiring or firing decisions?

0 = No

1 = Yes

Applies to: Respondents who were currently employed, but not self-employed.

Instrument code: MDJSTAT = 1 and MDCURTYP ne 6 and (TCURENUG ne 1 or MCEMPTYP ne 6)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDJBREC

Job responsibilities: set salaries

Job title: [MDJBTL]

In your current job, do you...

Participate in setting salary rates for employees?

0 = No

1 = Yes

Applies to: Respondents who were currently employed, but not self-employed.

Instrument code: MDJSTAT = 1 and MDCURTYP ne 6 and (TCURENUG ne 1 or MCEMPTYP ne 6)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDFIRSTJ

First job after leaving most recent undergraduate school

Job title: [MDJBTL]

Is your current job the first job you had after you were last enrolled as an undergraduate at [primary undergraduate school]?

0 = No

1 = Yes

Applies to: Respondents who were employed, but not in the same or similar job they had while enrolled, were not current undergraduates, and began the interview before July 1, 2009, or respondents who were employed, but not in the same or similar job they had while enrolled, did not plan to enroll in the 2009-2010 school year, and began the interview after June 30, 2009.

Instrument code: (MDJSTAT = 1 and MDSIMJE ne 1 and (TCURENUG ne 1 and [began interview before July 1, 2009]) or (MDJSTAT = 1 and MDSIMJE ne 1 and TPLNENR ne 1 and [began interview after June 30, 2009]))

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDSCHPLC

Job search assistance from school placement office

Job title: [MDJBTL]

Did the school placement office or anyone at [primary undergraduate school] help you to find your current job?

0 = No

1 = Yes

Applies to: Respondents who were employed, but not in the same/ similar job they had while enrolled.

Instrument code: MDJSTAT = 1 and (TCURENUG = 1 or MDSIMJE ne 1)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDRELMAJ

Job related to undergraduate major

Job title: [MDJBTL]

Would you say your current job is related to the major or field of study you had when you were last enrolled at [primary undergraduate school] as an undergraduate?

0 = No

1 = Yes

Applies to: Respondents who were not currently enrolled as a graduate student, were employed, and had declared at least one major.

Instrument code: TCURENGR ne 1 and MDJSTAT = 1 and (MCDBLMAJ ne 0 and (TERNDGUG not in (-3 0) and MCDBLMAJ ne -9))

Recode note: If MDJSTAT = 1 and TCURENUG = 1 then MDRELMAJ = MCRELMAJ

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDRELCRS

Job related to undergraduate coursework

Job title: [MDJBTL]

Would you say your current job is related to the coursework you had when you were last enrolled at [primary undergraduate school] as an undergraduate?

0 = No

1 = Yes

Applies to: Respondents who were not currently enrolled as a graduate student, were employed, and had either not declared a major or were not enrolled in a degree program.

Instrument code: TCURENGR ne 1 and MDJSTAT = 1 and (MCDBLMAJ = 0 or (TERNDGUG in (-3 0) and MCDBLMAJ = -9))

Recode note: If MDJSTAT = 1 and TCURENUG = 1 then MDRELCRS = MCRELCRS

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDEDDIFF

Difficulty in doing job without undergraduate coursework

Job title: [MDJBTL]

Would it be difficult for you to do your current job without having had the undergraduate courses you took at [primary undergraduate school]?

0 = No

1 = Yes

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDCONLIC

Employer required: industry certification or license

Job title: [MDJBTL]

[If MDCURTYP not in (6 -9) or (TCURENUG = 1 and MCEMPTY ne 6)]

Were any of the following required by your current employer as a condition for working?

[else]

Were any of the following required as a condition for working?

An industry certification or occupational license

0 = No

1 = Yes

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDCONCER

Employer required: vocational or technical certificate

Job title: [MDJBTL]

[If MDCURTYP not in (6 -9) or (TCURENUG = 1 and MCEMPTY ne 6)]

Were any of the following required by your current employer as a condition for working?

[else]

Were any of the following required as a condition for working?

A vocational or technical certificate or diploma

0 = No

1 = Yes

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDCONDEG

Employer required: 2-year or 4-year college degree

Job title: [MDJBTL]

[If MDCURTYP not in (6 -9) or (TCURENUG = 1 and MCEMPTY ne 6)]

Were any of the following required by your current employer as a condition for working?

[else]

Were any of the following required as a condition for working?

A 2-year or 4-year college degree

0 = No

1 = Yes

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDLIC2

License required for current job: general code

Job title: [MDJBTL]

What license or professional certification is required for your current position? (Please select a general area and then the specific discipline within the general area. Use the arrow at the right side of the first box to display the

general areas. Click to select the desired general area, and then select the desired specific discipline within the area from the second box.)

General area

- 100 = Accounting
- 200 = Agriculture
- 300 = Arts
- 400 = Business
- 500 = Communications
- 600 = Construction
- 700 = Counseling
- 800 = Education
- 900 = Engineering
- 1000 = Health
- 1100 = Insurance
- 1200 = Manufacturing
- 1300 = Personal services
- 1400 = Public safety
- 1500 = Real estate
- 1600 = Repair
- 1700 = Transportation
- 1800 = Vendor-specific business/computer certification
- 1900 = Food services
- 2000 = Law
- 99900 = Other

Applies to: Respondents who were currently employed and were required to have an industry certification or occupational license for their employment.

Instrument code: MDJSTAT = 1 and MDCONLIC = 1
Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDLIC4

License required for current job: specific code

Job title: [MDJBTL]

What license or professional certification is required for your current position? (Please select a general area and then the specific discipline within the general area. Use the arrow at the right side of the first box to display the general areas. Click to select the desired general area, and then select the desired specific discipline within the area from the second box.)

Specific area

- | | |
|------------------------------------|--|
| 1 = CPA | 40 = Licensed practical nursing |
| 2 = Auditor | 41 = Midwifery |
| 3 = Broker | 42 = Physical therapy |
| 4 = Bookkeeping | 43 = EMT/paramedic |
| 5 = Agriculture | 44 = Medical/dental technician |
| 6 = Pest control | 45 = Physical therapy |
| 7 = Forestry | 46 = Veterinary medicine |
| 8 = Wildlife management | 47 = Veterinary technician |
| 9 = Professional arts | 48 = Other health |
| 10 = Photography | 49 = Insurance |
| 11 = Other arts | 50 = Underwriter |
| 12 = Finance | 51 = Actuary law - attorney |
| 13 = Human resources/benefits | 52 = Mediator |
| 14 = Management | 53 = Paralegal |
| 15 = Purchasing | 54 = Manufacturing |
| 16 = Communications | 55 = Cosmetology |
| 17 = Broadcast | 56 = Barber |
| 18 = Architecture | 57 = Massage |
| 19 = Building | 58 = Fitness/personal training |
| 20 = Welding | 59 = Other personal services |
| 21 = Other construction | 60 = Public safety |
| 22 = Social work | 61 = Law enforcement |
| 23 = Therapist | 62 = Real estate |
| 24 = Counselor | 63 = Automotive mechanic |
| 25 = Elementary/secondary teaching | 64 = Heating/air conditioning |
| 26 = Childcare | 65 = Electronics |
| 27 = Teacher's aide | 66 = Aviation |
| 28 = Library | 67 = Jewelry/watch/lens/other fine craftsman |
| 29 = Administration | 68 = Commercial transportation license |
| 30 = Professional engineer | |
| 31 = Engineer in training | |
| 32 = Engineering technician | |
| 33 = Medicine | |
| 34 = Dentistry | |
| 35 = Pharmacy | |
| 36 = Chiropractic | |
| 37 = Optometry | |

- | | |
|----------------------------|--------------------------|
| 38 = Podiatry | 69 = Hazardous materials |
| 39 = Registered nursing | 70 = Xerox copier |
| 72 = Microsoft | 71 = IBM |
| 73 = Cisco | 75 = Food services |
| 74 = Other vendor-specific | 76 = Attorney |
| | 999 = Other, general |

Applies to: Respondents who were currently employed, were required to have an industry certification or occupational license for their employment, and selected a general license code for which a corresponding specific license code was available.

Instrument code: MDJSTAT = 1 and MDCONLIC = 1 and MDLIC2 not in (1200 1500 1900 99900)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDPRGCRT

Already hold license or certification

General Area: [MDLIC2]

Specific Area: [MDLIC4]

Do you already hold this license or professional certification?

0 = No

1 = Yes

Applies to: Respondents who were currently employed, were required to have a professional license or certificate for their employment, and provided a general license code.

Instrument code: MDJSTAT = 1 and MDCONLIC = 1 and MDLIC2 > 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDSTRTCR

Consider current job start of career

Job title: [MDJBTL]

Do you consider your current job to be the beginning of a career you are pursuing in your occupation or industry?

0 = No

1 = Yes

2 = No, it is already part of an established career

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDNTCAA - MDNTCAE

Job description

Job title: [MDJBTL]

Since you do not consider this to be the beginning of a career you are pursuing in your occupation or industry, how would you describe your job?

MDNTCAA - Pays the bills

MDNTCAB - Provides experience needed for your future

MDNTCAC - Allows freedom to pursue other interests

MDNTCAD - Provides benefits

MDNTCAE - Other

0 = No

1 = Yes

Applies to: Respondents who were currently employed, and reported their job as not being the beginning of their career.

Instrument code: MDJSTAT = 1 and MDSTRTCR = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDADVNC

Undergraduate education helped advance career

[If TCURENUG = 0]

Did your undergraduate education at [primary undergraduate school] help you advance in your career? [else]

Will your undergraduate education at [primary undergraduate school] help you advance in your career?

0 = No

1 = Yes

Applies to: Respondents who were currently employed.

Instrument code: MDJSTAT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDJOBSA - MDJOBSF

Job satisfaction

Job title: [MDJBTL]

Please indicate whether you are satisfied with each of the following in your current job:

MDJOBSA - Your pay

MDJOBSB - Fringe benefits (such as health insurance or retirement benefits)

MDJOBSC - Importance and challenge of your work

MDJOBSD - Opportunities for promotion and advancement

MDJOBSE - Opportunities to use your training and education

MDJOBSF - Job security

MDJOBSEG - Opportunities for further training and education

MDJOBOSH - Overall, would you say you are satisfied with your job?

0 = No

1 = Yes

Applies to: Respondents who were currently employed, but not self-employed.

Instrument code: MDJSTAT = 1 and MDCURTYP ne 6 and (TCURENUG ne 1 or MCEMPTYP ne 6)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDUNEMP3

Ever unemployed at least three months since undergraduate graduation

We'd like to ask you about any periods of unemployment you may have had since you were last enrolled as an undergraduate at [primary undergraduate school]-- that is, periods of at least 3 months when you were not working but looking for work.

0 = No

1 = Yes

Applies to: Respondents who began the interview before July 1, 2009 and were not currently enrolled as an undergraduate or graduate student, or who began the interview after June 30, 2009, were not currently enrolled as a graduate student, and did not indicate plans to enroll during the 2009-2010 school year.

Instrument code: ([began interview before July 1, 2009] and TCURENGR ne 1 and TCURENUG ne 1) or ([began interview after June 30, 2009] and TCURENGR ne 1 and TPLNENR ne 1)

Recode note: 1) If MDUNTIM in (0 1 2) then MDUNEMP3 = 0

2) If MDNUMOUT = 0 then MDUNEMP3 = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDNUMOUT

Number of spells of unemployment that lasted more than three months

Since you were last enrolled as an undergraduate at [primary undergraduate school], how many times have you been unemployed and looking for a job for a period of more than 3 months?

Observed range: 0 - 70

Applies to: Respondents who were not currently enrolled as an undergraduate or graduate student and had ever been unemployed for more than three months since undergraduate enrollment.

Instrument code: TCURENGR ne 1 and TCURENUG ne 1 and MDUNEMP3 = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDUNTIM

Longest period of unemployment: total number of months

After your undergraduate enrollment at [primary undergraduate school], what was the longest period of time you were unemployed and looking for a job?

Applies to: Respondents who were not currently enrolled as an undergraduate or graduate student and had ever been unemployed for more than three months since undergraduate enrollment.

Instrument code: TCURENGR ne 1 and TCURENUG ne 1 and MDUNEMP3 = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDSEARCH

Currently looking for a job

Are you currently looking for a job?

0 = No

1 = Yes

Applies to: Respondents who were not employed.

Instrument code: MDJSTAT in (0 -9)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDUNCMP

Receiving unemployment compensation

Are you receiving unemployment compensation while you are not working?

0 = No

1 = Yes

Applies to: Respondents who were not employed and were looking for a job.

Instrument code: MDJSTAT in (0 -9) and MDSEARCH = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDLTMPMY

Date of last employment

Since your undergraduate enrollment at [primary undergraduate school], in what month and year were you last employed?

Applies to: Respondents who were not employed.

Instrument code: MDJSTAT in (0 -9)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDLTMPN

No employment since last undergraduate enrollment

[If TCURENUG = 1]

In what month and year were you last employed?

[else]

Since your undergraduate enrollment at [primary undergraduate school], in what month and year were you last employed?

No employment after undergraduate enrollment

0 = Employed since enrolled

1 = Never employed since enrolled

Applies to: Respondents who were not employed.

Instrument code: MDJSTAT in (0 -9)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDLNINC

Loan influenced employment plans

Has the amount of student loan debt you have from your undergraduate education influenced your employment plans and decisions in any way?

0 = No

1 = Yes

Applies to: Respondents who began the interview before July 1, 2009, were not currently enrolled as an undergraduate or graduate student in a degree or certificate program, and took out loans for their undergraduate education, or who began the interview after June 30, 2009, did not plan to enroll in a degree or certificate program in the 2009-2010 school year, and took out loans for their undergraduate education.

Instrument code: ([began interview before July 1, 2009] and TCURENGR ne 1 and (TCURENUG ne 1 or TENRTPUG ne 1) and MCUGLN = 1) or ([began interview after June 30, 2009] and TCURENGR ne 1 and (TPLNENR ne 1 or TENRTPUG ne 1) and MCUGLN = 1)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MDLNICA - MDLNICE

Loan influenced employment plans

In what ways has your undergraduate student loan debt influenced your employment plans and decisions?

MDLNICA - Took job outside field of study or training

MDLNICB - Took less desirable job

MDLNICC - Had to work more hours than desired

MDLNICD - Had to work more than one job at the same time

MDLNICE - Other

0 = No

1 = Yes

Applies to: Respondents who began the interview before July 1, 2009, were not currently enrolled as an undergraduate or graduate student in a degree or certificate program, took out loans for their undergraduate education, and whose employment plans were affected by it, or who began the interview after June 30, 2009, did not plan to enroll in a degree or certificate program in the 2009-2010 school year, took out loans for their undergraduate education, and whose employment plans were affected by it.

Instrument code: ([began interview before July 1, 2009] and TCURENGR ne 1 and (TCURENUG ne 1 or TENRTPUG ne 1) and MCUGLN = 1 and MDLNINC = 1) or ([began interview after June 30, 2009] and TCURENGR ne 1 and (TPLNENR ne 1 or TENRTPUG ne 1) and MCUGLN = 1 and MDLNINC = 1)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

Section E: Background

MECITZN

Citizenship status

Are you a U.S. citizen?

- 1 = Yes
- 2 = No - Resident alien, permanent resident, or other eligible non-citizen; hold a temporary resident's card or other eligible non-citizen temporary resident's card
- 3 = No - Student visa, in the country on an F1 or F2 visa, or on a J1 or J2 exchange visitor visa

Applies to: All respondents.

Recode note: If Y_N4CITZ = 1 or Y_KECITZ = 1 then MECITZN = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEPRSVT

Vote in last presidential election

Did you vote in the last presidential election?

- 0 = No
- 1 = Yes

Applies to: All respondents.

Recode note: If MECITZN > 1 then MEPRSVT = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEEVRVT

Ever voted in a U.S. election

Have you ever voted in any national, state, or local election?

- 0 = No
- 1 = Yes

Applies to: All respondents.

Recode note: 1) If MECITZN > 1 then MEEVRVT = 0

2) If MEPRSVT = 1 or Y_EVRVT = 1 then

MEEVRVT = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEVOTE

Registered to vote

Are you currently registered to vote in U.S. elections?

- 0 = No
- 1 = Yes

Applies to: All respondents.

Recode note: 1) If MECITZN > 1 then MEVOTE = 0

2) If MEPRSVT = 1 then MEVOTE = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEMARR

Current marital status

What is your current marital status?

- 1 = Single, never married
- 2 = Married
- 3 = Separated
- 4 = Divorced
- 5 = Widowed

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEALONE

Household composition: live alone

With whom are you currently living?

Live alone

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MESPODP

Household composition: spouse or domestic partner

With whom are you currently living?

Spouse or domestic partner

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEDPNTS

Household composition: children or dependents

With whom are you currently living?

Children and/or other dependents

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEPARIL

Household composition: parents or in-laws

With whom are you currently living?

Parents or in-laws

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEHSOTH

Household composition: other

With whom are you currently living?

Other person or people not listed

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEDEPS

Has dependent children

[If MEMARR = 2]

Do you or your spouse have any children under the age of 25 that you support financially?

[else]

Do you have any children under the age of 25 that you support financially?

0 = No

1 = Yes

Applies to: All respondents.

Recode note: 1) If MEDEP2 = 0 then MEDEPS = 0

2) If MEDAGE = 25 then MEDEPS = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEDEP2

Number of dependent children

[If MEMARR = 2]

How many children under the age of 25 do you or your spouse support financially?

[else]

How many children under the age of 25 do you support financially?

Observed range: 0 - 9

Applies to: All respondents.

Recode note: 1) If MEDEPS = 0 then MEDEP2 = 0

2) If MEDAGE = 25 then MEDEP2 = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEDAGE

Age of youngest dependent child

[If MEDEP2 > 1]

What is the age of your youngest dependent child?

[else if MEDEP2 = 1]

How old is your dependent child?

[else]

If you have more than one child, please report the age of your youngest dependent child. If you have one dependent child, please report the age of that child.

Observed range: 0 - 25

Applies to: Respondents with at least one dependent child.

Instrument code: MEDEPS = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEINCOM

Respondent income in 2008

[If MEMARR = 2]

What was your income from all sources (including income from work, investments, alimony, etc.), prior to taxes and deductions, for calendar year 2008? (Please exclude your spouse's income.)

[else]

What was your income from all sources (including income from work, investments, alimony, etc.), prior to taxes and deductions, for calendar year 2008?

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEINEST

Respondent income estimates for 2008

[If MEMARR in (2 3)]

What was your income from all sources (including income from work, investments, alimony, etc.) prior to taxes and deductions for calendar year 2008? (Please exclude your spouse's income.)
Please indicate the range that best estimates your income from all sources for 2008.
[else]

This question about your income is critical to understanding the financial benefits and labor market outcomes of people who have attended a college or vocational/trade school since high school.
What was your income from all sources (including income from work, investments, alimony, etc.) prior to taxes and deductions for calendar year 2008? Please indicate the range that best estimates your income from all sources for 2008.

- 1 = Less than \$20,000
- 2 = \$20,000-\$29,999
- 3 = \$30,000-\$39,999
- 4 = \$40,000-\$49,999
- 5 = \$50,000-\$59,999
- 6 = \$60,000-\$69,999
- 7 = \$70,000-\$79,999
- 8 = \$80,000-\$89,999
- 9 = \$90,000-\$99,999
- 10 = \$100,000-\$149,999
- 11 = Above \$150,000

Applies to: Respondents who did not provide an income on MEINCOM.

Instrument code: MEINCOM = -9

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEINCSP

Spouse's income in 2008

How much would you estimate your spouse earned from all sources, prior to taxes and deductions, in calendar year 2008?

Applies to: Respondents who were married to their spouse in 2008.

Instrument code: MEMARR = 2 and MESPNOT ne 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MESPNOT

Not married to spouse in 2008

How much would you estimate your spouse earned from all sources, prior to taxes and deductions, in calendar year 2008?

Check here if you were not married to your spouse in 2008

0 = No

1 = Yes

Applies to: Married respondents.

Instrument code: MEMARR = 2

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEINSRA

Spouse's income estimate for 2008

Please indicate the range that best estimates the amount your spouse earned from all sources, prior to taxes and deductions, in calendar year 2008.

- 1 = Less than \$20,000
- 2 = \$20,000-\$29,999
- 3 = \$30,000-\$39,999
- 4 = \$40,000-\$49,999
- 5 = \$50,000-\$59,999
- 6 = \$60,000-\$69,999
- 7 = \$70,000-\$79,999
- 8 = \$80,000-\$89,999
- 9 = \$90,000-\$99,999
- 10 = \$100,000-\$149,999
- 11 = Above \$150,000

Applies to: Married respondents who did not provide an income on MEINCSP for their spouse and who were married to their spouse in 2008.

Instrument code: MEMARR = 2 and MEINCSP = -9 and MESPNOT ne 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEUNTAX

Received untaxed benefits in 2008

[If MEMARR = 2 and MESPNOT ne 1]

In 2008, did you or your spouse receive any untaxed income or benefits, such as TANF (AFDC) or food stamps?

[else]

In 2008, did you receive any untaxed income or benefits, such as TANF (AFDC) or food stamps?

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEHOUSE

Own home or pay rent

[If MEMARR = 2]

Do you own a home or are you paying rent? If someone other than your spouse makes mortgage or rent payments on your behalf, please answer, "Neither own a home nor pay rent."

[else]

Do you own a home or are you paying rent? If someone makes mortgage or rent payments on your behalf, please answer, "Neither own a home nor pay rent."

0 = Neither own a home nor pay rent

1 = Own home (or pay a mortgage)

2 = Pay rent

Applies to: Respondents who were not enrolled as an undergraduate or living on a college campus.

Instrument code: MCSCHRES ne 1 or TCURENUG ne 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEMTGAMT

Monthly rent or mortgage payment amount

[If MEMARR = 2 and MEHOUSE = 1]

How much is your monthly mortgage payment? If you share payment of your mortgage with anybody other than your spouse, please indicate the amount for which you and your spouse are responsible.

[else if MEHOUSE = 1]

How much is your monthly mortgage payment? If you share payment of your mortgage with others, please indicate the amount for which you are responsible.

[else if MEMARR = 2 and MEHOUSE = 2]

How much is your monthly rent payment? If you share payment of your rent with anybody other than your spouse, please indicate the amount for which you and your spouse are responsible.

[else]

How much is your monthly rent payment? If you share payment of your rent with others, please indicate the amount for which you are responsible.

Applies to: Respondents who were not enrolled as an undergraduate or living on a college campus, and who own a home or pay rent, except those who indicated not knowing the monthly payment amount.

Instrument code: (MCSCHRES ne 1 or TCURENUG ne 1) and MEHOUSE > 0 and MEMTGDK = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEMTGDK

Monthly rent or mortgage payment amount: don't know

[If MEMARR = 2 and MEHOUSE = 1]

How much is your monthly mortgage payment? If you share payment of your mortgage with anybody other than your spouse, please indicate the amount for which you and your spouse are responsible.

[else if MEHOUSE = 1]

How much is your monthly mortgage payment? If you share payment of your mortgage with others, please indicate the amount for which you are responsible.

[else if MEMARR = 2 and MEHOUSE = 2]

How much is your monthly rent payment? If you share payment of your rent with anybody other than your spouse, please indicate the amount for which you and your spouse are responsible.

[else]

How much is your monthly rent payment? If you share payment of your rent with others, please indicate the amount for which you are responsible.

Don't know

0 = No

1 = Yes

Applies to: Respondents who were not enrolled as an undergraduate or living on a college campus, and who own a home or pay rent.

Instrument code: (MCSCHRES ne 1 or TCURENUG ne 1) and MEHOUSE > 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MECARLON

Have loan or lease payments for car

[If MEMARR = 2]

Do you make loan or lease payments for a car, truck, motorcycle, or other vehicle? If someone other than your spouse makes the payments on your behalf, please answer, "no."

[else]

Do you make loan or lease payments for a car, truck, motorcycle, or other vehicle? If someone makes the payments on your behalf, please answer, "no."

0 = No

1 = Yes

Applies to: All respondents.

Recode note: If MECARLON = 1 and MECARMT = 0 then MECARLON = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MECARAMT

Monthly car payment amount

How much do you pay for your vehicle loan or lease each month?

Applies to: Respondents who made loan or lease payments for a vehicle.

Instrument code: MECARLON = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MECRDUSE

Have credit cards

Do you have any credit cards?

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEPAYOFF

Pay off or carry credit balance

Do you usually pay off any credit card balance(s) each month, or carry the balance(s) over from month to month?

1 = Pay off balance(s)

2 = Carry balance(s)

Applies to: Respondents with at least one credit card.

Instrument code: MECRDUSE > 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MECRDBAL

Balance due on all credit cards

What was the balance on your credit card(s) according to your last statement(s)?

Applies to: Respondents with at least one credit card who carry their balance over from month to month.

Instrument code: MECRDUSE > 0 and MEPAYOFF = 2

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MESPLV

Spouse's highest education level

What is your spouse's highest level of education?

1 = Did not complete high school

2 = High school diploma or equivalent

3 = Vocational or technical training or certificate/diploma

4 = Less than 2 years of college

5 = Associate's degree

6 = 2 or more years of college but no degree

7 = Bachelor's degree

8 = Graduate degree or certificate (post baccalaureate certificate, master's degree, post master's certificate, Ph.D., Ed.D., or professional degree such as dentistry, law, medicine, pharmacy, divinity/theology)

Applies to: Married respondents.

Instrument code: MEMARR = 2

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MESPLN

Spouse has student loans

[If MESPLV in (-9 -1 8)]

Did your spouse take out any student loans for undergraduate or graduate education?

[else]

Did your spouse take out any student loans for undergraduate education?

0 = No

1 = Yes

Applies to: Married respondents whose spouse completed high school.

Instrument code: MEMARR = 2 and MESPLV ne 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MESPAMT

Spouse's total student loan amount

What is the total amount your spouse has borrowed in student loans? (If you are unsure of the amount, please provide your best estimate.)

Applies to: Married respondents whose spouse completed high school and had student loans.

Instrument code: MEMARR = 2 and MESPLV ne 1 and MESPLN = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MESPOWE

Amount of spouse's loans still owed

[If MESPAMT = -9]

How much of your spouse's student loans are still owed? [else]

How much of the \$[MESPAMT] in total student loans does your spouse still owe?

Applies to: Married respondents whose spouse completed high school and had student loans.

Instrument code: MEMARR = 2 and MESPLV ne 1 and MESPLN = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MESPLNPY

Spouse's monthly student loan payment

How much does your spouse pay each month for his or her student loans?

Applies to: Married respondents whose spouse completed high school and had student loans for which they still owed.

Instrument code: MEMARR = 2 and MESPLV ne 1 and MESPLN = 1 and MESPOWE not in (-9 0) and MESPLNIR = 0

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MESPLNIR

Spouse's monthly student loan payment: not yet in repayment

How much does your spouse pay each month for his or her student loans?

Not yet in repayment

0 = No

1 = Yes

Applies to: Married respondents whose spouse completed high school and whose spouse had student loans not currently in repayment.

Instrument code: MEMARR = 2 and MESPLV ne 1 and MESPLN = 1 and MESPOWE not in (-9 0)

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MECOMSRV

Community service/volunteer in 12 months

Have you performed any community service or volunteer work in the last 12 months? Please do not include charitable donations (such as food, clothing, money, etc.), paid community service, or court-ordered service.

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MESCHSRV

Start volunteering because of school-related activity

Was the volunteer work you performed in the last 12 months started through a school-related activity? (A school-related activity could include a school club such as a sorority or fraternity, a class requirement, etc.)

0 = No

1 = Yes

Applies to: Respondents who had volunteered in the past 12 months and attended school in 2008 or 2009.

Instrument code: MECOMSRV = 1 and [attended school in 2008 or 2009]

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEVLTPA - MEVLTPJ

Volunteer type

What types of community service or volunteer work did you perform in the last 12 months?

MEVLTPA - Tutoring, education-related work with kids

MEVLTPB - Other work with kids (coaching, sports, Big Brother or Big Sister, etc.)

MEVLTPC - Fundraising (political or non-political)

MEVLTPD - Homeless shelter or soup kitchen

MEVLTPF - Neighborhood improvement, clean-up, or Habitat for Humanity

MEVLTPF - Health services or hospital, nursing home, group home

MEVLTPG - Service to church or other religious organization

MEVLTPH - Service to nonprofit organizations (work for Salvation Army, United Cerebral Palsy, etc.)

MEVLTPJ - Service to the community (volunteer firefighter, for town festival, ombudsman, polling station assistant, etc.)

MEVLTPJ - Another type of service not listed

0 = No

1 = Yes

Applies to: Respondents who had volunteered in the past 12 months.

Instrument code: MECOMSRV = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEVLHRS

Number of hours volunteered per month

On average, how many hours did you volunteer each month during the last year? (If you participated in a one time special event or project, indicate, "One time event.")

Hour(s)

Applies to: Respondents who had volunteered in the past 12 months and did not indicate participation in a one time event.

Instrument code: MECOMSRV = 1 and MEVLONE ne 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEVLONE

One time volunteer event

On average, how many hours did you volunteer each month during the last year? (If you participated in a one time special event or project, indicate, "One time event.")

One time event

0 = No

1 = Yes

Applies to: Respondents who had volunteered in the past 12 months.

Instrument code: MECOMSRV = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEHIGHED

Highest education level ever expected

Now we'd like to ask a few questions about your educational and personal goals. What is the highest level of education you ever expect to complete?

0 = No degree or certificate expected

2 = Undergraduate certificate or diploma (occupational or technical program)

3 = Associate's degree

4 = Bachelor's degree

6 = Postbaccalaureate certificate or program

8 = Master's degree

9 = Post-master's certificate

10 = Professional degree (only includes the following programs: chiropractic, dentistry, law, medicine, optometry, osteopathic medicine, pharmacy, podiatry, divinity, theology, or veterinary medicine)

11 = Doctoral degree

Applies to: All respondents.

Recode note: If THIGHDGD = 11 then MEHIGHED = 11

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEPLNTCH

Plan on teaching K-12

Do you plan on becoming a teacher at the K-12 (kindergarten through grade 12) level?

1 = Definitely yes

2 = Probably yes

3 = Probably not

4 = Definitely not

Applies to: All respondents.

Recode note: If MDOCC6 in (252012 252021 252022 252023 252031 252032 252041 252042 252043) then MEPLNTCH = 1

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEDISSEN

Disability: sensory impairment

And finally, these last few questions will help us better understand the educational and employment experiences of people with disabilities. Do you have a sensory impairment, such as blindness, deafness, or a severe vision or hearing impairment, that has lasted for 6 months or more?

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEDISMOB

Disability: mobility impairment

Do you have a mobility impairment that has substantially limited one or more basic physical activities, such as

walking, climbing stairs, reaching, lifting, or carrying, for 6 months or more?

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

MEDISOTH

Disability: other disability

Excluding any disabilities already mentioned, do you have any other physical, mental, emotional, or learning condition that has lasted 6 months or more?

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/09 full scale student interview

Y_ENRBA

Previously enrolled in baccalaureate program

Preloaded variable calculated from NPSAS:04 and BPS:04/06 data indicating whether the sample member has enrolled for a bachelor's degree since July 1, 2006.

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: NPSAS:2004 full scale student interview

Y_YESBA

Earned baccalaureate prior to July 1, 2006

Preloaded variable calculated from BPS:04/06 data indicating whether the sample member earned a bachelor's degree prior to July 1, 2006.

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/06 full scale student interview

Y_DOB

Preloaded date of birth

Preloaded variable calculated from NPSAS:04 and BPS:04/06 data indicating the sample member's date of birth.

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: NPSAS:2004 full scale student interview

Y_KECITZ

BPS:04/06 citizenship

Preloaded variable calculated from BPS:04/06 data indicating whether the sample member is a U.S. citizen.

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: BPS:04/06 full scale student interview

Y_N4CITZ

NPSAS:04 citizenship

Preloaded variable calculated from NPSAS:04 data indicating whether the sample member is a U.S. citizen.

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: NPSAS:2004 full scale student interview

Y_EVRVT

Ever vote in prior surveys

Preloaded variable calculated from NPSAS:04 and BPS:04/06 data indicating whether the sample member has ever voted in U.S. elections.

0 = No

1 = Yes

Applies to: All respondents.

Perturbation procedures were applied to this and other variables to protect against disclosure of individual information.

Sources: NPSAS:2004 full scale student interview

Appendix E

Training Material for Interviewers

**BPS:04/09 Full Scale
Telephone Interviewer Training Agenda
Three Day Agenda: Tuesday – Thursday (3/17-3/19)**

<i>Day 1/Session 1</i>	<i>6:00 p.m.–10:00 p.m.</i>
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6:00 – 6:10	Welcome and Introduction
6:10 – 6:30	Overview of Study
6:30 – 6:40	Your Role as a Telephone Interviewer
6:40 – 6:50	Confidentiality
6:50 – 7:25	Demonstration Interview
7:25 – 7:35	Frequently Asked Questions
7:35 – 7:45	<i>Break</i>
7:45 – 9:00	Q x Q Review
9:00 – 9:05	<i>Short Break</i>
9:05 – 9:30	Introduction to the Assisted Coders
9:30 – 9:55	Introduction to the Front End; Front End “QxQs”
9:55 – 10:00	Wrap-up questions

<i>Day 2/Session 2</i>	<i>6:00 p.m.–10:00 p.m.</i>
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6:00 – 6:05	FAQ Review
6:05 – 6:55	Coding practice (McKinlay – notarization)
6:55 – 7:05	<i>Break</i>
7:05 – 8:40	Paired Mocks
8:40 – 8:45	<i>Short Break</i>

8:45 – 8:55	FAQ Review (Paired)
8:55 – 9:10	Conversational Interviewing Discussion
9:10 – 9:55	Round Robin Mock Interview #1
9:55 – 10:00	Wrap-up questions

Day 3/Session 3

6:00 p.m.–10:00 p.m.

6:00 – 6:30	Coding Certification
6:30 – 6:35	FAQ Review
6:35 – 7:25	Additional Front End Practice
7:25 – 8:15	Round Robin Mock #2
8:15 – 8:25	<i>Break</i>
8:25 – 8:30	Training Evaluations (allow ~5 minutes before or after certifications to allow for TI questions about timesheets, etc.)
8:30 –10:00	Certification Interviews/FAQ Certification

BPS:04/09 CAPI Training Agenda July 27-30, 2009

	Training Component	Time Allotment
8:30 – 9:30	Welcome Housekeeping Introductions Overview of study Overview of Training	60 minutes
9:30-9:50	Your Role as a Field Interviewer	20 minutes
9:50-10:00	Confidentiality	10 minutes
10:00-10:15	Review of General Manual	15 minutes
10:15-10:30	<i>Break</i>	15 minutes
10:30-11:45	Active Listening Conversational Interviewing Demonstration Interview	75 minutes
11:45-12:45	<i>Lunch</i>	60 minutes
12:45-1:45	New Headway Policies	60 minutes
1:45-2:15	Frequently Asked Questions	30 minutes
2:15-2:30	Review of Supplemental Manual	15 minutes
2:30-3:00	Administrative Procedures	30 minutes
3:00-3:15	<i>Break</i>	15 minutes
3:15-4:15	Introduction to the BPS Laptop	60 minutes
4:15-4:45	Email Introduction	30 minutes
4:45-5:00	Wrap-Up Questions	15 minutes

	Training Component	Time Allotment
8:30 – 9:15	Review of Day 1 Overview of Day 2	45 minutes
9:15-10:15	Case Folder Review	60 minutes
10:15-10:30	<i>Break</i>	15 minutes
10:30-11:30	Coding Practice	60 minutes
11:30-12:00	FAQ Review	30 minutes
12:00-1:00	<i>Lunch</i>	60 minutes
1:00-2:00	Tracing Procedures	60 minutes
2:00-3:15	QxQ Review	75 minutes
3:15-3:30	<i>Break</i>	15 minutes
3:30-4:00	CAPI CMS - Intro to the Front End	30 minutes
4:00-4:45	Round Robin Mock #1	45 minutes
4:45-5:00	Wrap-Up Questions	15 minutes

	Training Component	Time Allotment
8:30 – 9:00	Review of Day 2 Overview of Day 3	30 minutes
9:00-9:45	Paired Mock #1	45 minutes
9:45-10:00	FAQ Review	15 minutes
10:00-10:15	<i>Break</i>	15 minutes
10:15-11:00	Paired Mock #2	45 minutes
11:00-11:30	Coding Exercise Review	30 minutes
11:30-12:00	Headway Forms (ePTE & Expense Reports)	30 minutes
12:00-1:00	<i>Lunch</i>	
1:00 – 1:40	Round Robin Mock #2	40 minutes
1:40-2:00	Certification: Coding	20 minutes
2:00-4:00	Certifications: Interviews FAQ Active Listening Conversational Interviewing Transmitting CAF Assignments	120 minutes
4:00-4:15	Training Evaluations	15 minutes
4:15-4:45	Summary	30 minutes
4:45-5:00	Closing	15 minutes

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Notification Material for Student Interview Data Collection

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Brochure



Why was I chosen to participate?

You were selected to participate in BPS because you first enrolled in college or other postsecondary education during the 2003–04 academic year. Study participants were first interviewed in 2004 and again in 2006. Now, we want to contact you one last time to find out about your education, employment, and other experiences during the past few years.

Why should I participate?

Policymakers and researchers use BPS data to better understand beginning students' paths in postsecondary education. Your responses, combined with institutional records, help answer questions such as the following:

- What percentages of students complete various degree programs?
- Do students who receive financial aid complete their programs in the same length of time as those who do not receive financial aid?
- Why do students leave school?
- How does employment affect students' success in school?
- What types of volunteer activities are students involved in?

Although participation in this study is voluntary, there is no substitute for your responses.

What is BPS about?

BPS follows first-time beginning students to find out about their experiences during the 6 years since they first enrolled in postsecondary education. We are interviewing more than 18,600 people, selected from approximately 1,300 institutions. The interview will collect information on a number of topics including the following:

- education progress and plans;
- experience in the workforce;
- earnings and expenses;
- family status;
- participation in civic activities; and
- personal and professional goals.

BPS is sponsored by the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences. The study is being conducted under contract by RTI International, a nonprofit research organization based in North Carolina. BPS is authorized by the Education Sciences Reform Act of 2002 (Public Law 107-279).

Will my answers be kept confidential?

Yes, federal law requires that we protect your privacy. Your responses will be used only for statistical purposes and will not be disclosed, or used, in identifiable form for any other purpose, except as required by law.

The following procedures have been implemented to ensure the confidentiality of your responses:

- Your answers will be secured behind firewalls and encrypted during internet transmission. All data entry modules are password protected and require the user to log in before accessing confidential data.
- Project staff may be severely fined or imprisoned for disclosure of individual responses.
- Confidentiality procedures are reviewed and approved by the Institutional Review Board in RTI's Office of Research Protection.

FOR ASSISTANCE WITH BPS, PLEASE CONTACT THE HELP DESK OR VISIT THE STUDY WEBSITE

<https://surveys.nces.ed.gov/bps/>

BPS HELP DESK
1-800-334-2321
bps@rti.org

If you have questions or concerns, you may contact the following:

<p>Dr. Jennifer Wine BPS Project Director (RTI) 1-877-225-8470 (toll-free) jennifer@rti.org</p>	<p>Dr. Tracy Hunt-White BPS Project Officer (NCES) 1-202-502-7438 tracy.hunt-white@ed.gov</p>
--	---

If you have questions about your rights as a study participant, please call RTI's Institutional Review Board at 1-866-214-2043 (toll-free) or send an e-mail message to orpe@rti.org regarding IRB number 11899.

What have we learned from BPS?

In the last BPS interview, conducted 2 years after students began college, we learned that

- almost 20 percent of beginning students who first enrolled at a 4-year college were no longer enrolled in school;
- nearly 18 percent of beginning students who first enrolled at a 2-year college had attained a degree; and
- fifty-two percent of beginning students who first enrolled at a less-than-2-year college had earned a degree.

To see more results, go to <http://nces.ed.gov/pubs2007/2007169.pdf>.

How do I participate?

You may complete the BPS interview in one of two ways:

- 1. Online.** Log in to the study website at <https://surveys.nces.ed.gov/bps/>. Then, simply select the log-in link and enter your Study ID and password when prompted. If you need assistance, call the BPS Help Desk at 1-800-334-2321 or contact us via e-mail at bps@rti.org.
- 2. By telephone.** If you prefer to complete the BPS interview by telephone, call the BPS Help Desk at 1-800-334-2321 to speak with a professionally trained interviewer from RTI.

On average, the interview takes about 20 minutes to complete. Web interview time will vary, depending on your internet connection speed.

How can I get a copy of the results?

Publications from previous studies are available free of charge on the NCES website at <http://nces.ed.gov/pubsearch/>. Results from the current study are scheduled to be released in 2010 and will be posted on the NCES website as soon as they are available.

Are there any benefits or risks to my participation?

The risk of participation in this study relates to data security. Given the strict confidentiality and security procedures in place, risks to participation are minimal.

While there are no specific benefits to you for participating in BPS, your participation will help ensure the success of the study and help policymakers better understand the costs and benefits of postsecondary education.



National Center for Education Statistics
Institute of Education Sciences
U.S. Department of Education

Panel Maintenance Letter
BPS «panelinfo»
Case ID «caseid»



*Beginning
Postsecondary
Students
Longitudinal Study*

Please update your contact information for BPS.

Dear «fname» «lname»:

You may remember participating in an interview a few years ago for the U.S. Department of Education's National Center for Education Statistics (NCES) about issues related to your education since completing high school. NCES has contracted with RTI International* to conduct the data collection for the next Beginning Postsecondary Students Longitudinal Study (BPS), which will begin in early 2009. Because the results from this study will help develop policy regarding participation in higher education, your experiences will help determine how future tax dollars are spent. To ensure that we have the most up-to-date contact information for you, we are requesting that you take a few moments to log onto the BPS website and update your current contact information.

You may access the contact information update page by logging onto our secure website at <https://surveys.nces.ed.gov/bps> using the Study ID provided below.

Study ID = «caseid»

If you have trouble accessing the website or would rather update your information by phone, please contact us toll-free at 1-800-334-2321.

If you have any questions or concerns about the study itself, please contact the BPS Project Director, Dr. Jennifer Wine, toll-free at 1-877-225-8470 (e-mail: jennifer@rti.org), or the NCES Project Officer, Dr. Tracy Hunt-White, at 202-502-7438 (e-mail: tracy.hunt-white@ed.gov).

Sincerely,

Jennifer Wine, PhD
BPS Project Director

*RTI International is a trade name of Research Triangle Institute.

Thank you in advance for making BPS a success.

«fname» «mname» «lname»
«Addr1»
«Addr2»
«City», «state» «zip»

ADDRESS SERVICE REQUESTED

PO Box 12194
Research Triangle Park, NC 27709-2194
RTI Project #0208407.300.336



For more information
Visit: <https://surveys.nces.ed.gov/bps>
Or call: 1-800-334-2321

Address Update Information – Parent (English and Spanish)

Beginning Postsecondary Students Longitudinal Study

Address Update Information -Parent

Study ID: «caseid»
«stupanelinfo»

1. Please review «fname»'s current address and phone numbers displayed on the left side of the box below. Check here if all information preprinted in this section is **entirely correct**..... ☐

If «pronoun2» address is not entirely correct or current, **please update** it in the space provided on the right side of the box.

<p>«fname» «mname» «lname» «suffix» «addr1» «addr2» «city», «state» «zip» «zip4» («area1») «phone1»</p>	<p>Name: _____ Address: _____ _____ Home phone: () _____ Work phone: () _____ Cell phone: () _____</p>
--	--

2. We will send «fname» an e-mail to let «pronoun2» know that data collection has begun. Please provide an e-mail address that we can use to contact **«pronoun2»**.

Primary e-mail address: _____
Alternative e-mail address: _____

Thank you for your assistance.

Please return this page in the enclosed postage-paid envelope.

Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios

Formulario de actualización del domicilio

Identificación del estudio: «caseid»
«stupanelinfo»

1. Por favor, revise la dirección y números de teléfono actuales de «fname» que aparecen en el lado izquierdo del recuadro que está a continuación. Marque aquí si toda la información impresa en esta sección es **correcta en su totalidad**..... ☐

*Si la dirección de «span_pronoun1» no es correcta en su totalidad o no está actualizada,, **favor de poner al día** la información en el espacio que se proporciona en el lado derecho del recuadro.*

«fname» «mname» «lname» «suffix» «addr1» «addr2» «city», «state» «zip» «zip4» («area1») «phone1»	Nombre: _____ Dirección: _____ _____ Teléfono de la casa: () _____ Teléfono del trabajo: () _____ Teléfono celular: () _____
--	---

2. Le enviaremos a «fname» un correo electrónico para hacerle saber que ha comenzado recopilación de datos. Por favor, proporcione una dirección de correo electrónico que podamos usar para comunicarnos con «span_pronoun1».

Dirección primaria de correo electrónico: _____

Dirección alterna de correo electrónico: _____

Muchas gracias por su ayuda.

Favor de devolver este formulario en sobre adjunto con porte postal prepagado.

BPS Lead Letter – Parents (English and Spanish)

November 29, 2011

«Cpname»
«CpAddr1»
«CpAddr2»
«CpCity», «CpState» «CpZip» «CpZip4»

Study ID: «caseid»
«panelinfo»

Dear «Cpfname» «Cplname»:

The National Center for Education Statistics (NCES) in the U.S. Department of Education is responsible for reporting on the condition of education in the United States. One way that is done is by interviewing students who are beginning their postsecondary education. This study, the Beginning Postsecondary Students Longitudinal Study (BPS), captures information on students' enrollment experiences, persistence in school, courses taken, degrees completed and employment following enrollment. BPS is described in some detail in the enclosed brochure.

«sPfname» «sPlname» was randomly selected to participate in BPS in 2004 and now we will be contacting «pronoun2» for one final interview. We need your help to update our records for «pronoun2». **Please take a few minutes to update the enclosed Address Update Information sheet and return it in the enclosed postage paid envelope.**

We will be re-contacting «sPfname» and other study participants beginning in February 2009 to ask questions about their recent education and employment experiences. Your help in updating our address information for «pronoun2» will ensure the success of the study. While the nation has millions of college students, only a small number have been selected to participate in this study. Therefore, it is extremely important that we be able to contact them. **If «sPfname» completes the interview on the Web by the date provided «pronoun2», «pronoun1» will receive \$«IncAmt» as a token of our appreciation.**

NCES has contracted with RTI International to conduct this cycle of the BPS data collection. Please be assured that both NCES and RTI follow strict confidentiality procedures to protect the privacy of study participants and the confidentiality of the information collected. If you have any questions about the study, please call the RTI study director, Dr. Jennifer Wine, toll-free at 1-877-225-8470.

We sincerely appreciate your assistance and thank you in advance for helping us conduct this important study.

Sincerely,



Tom Weko
Associate Commissioner
National Center for
Education Statistics
Enclosures

The National Center for Education Statistics (NCES) of the U.S. Department of Education is authorized by federal law (Public Law 107-279) to conduct the Beginning Postsecondary Students Longitudinal Study. NCES will authorize only a limited number of researchers to have access to information which could be used to identify individuals. They may use the data for statistical purposes only and are subject to fines and imprisonment for misuse.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number of this information collection is 1850-0631, and it is completely voluntary. The time required to complete this information collection is estimated to average 20 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate or suggestions for improving the interview, please write to: U.S. Department of Education, Washington, DC 20006. If you have comments or concerns regarding the status of your individual interview, write directly to: Dr. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

«span_fill1» «Cpfname» «Cplname»

El Centro Nacional de Estadísticas sobre la Educación (NCES, por sus siglas en inglés) del Departamento de Educación de los Estados Unidos es responsable de reportar la condición de la educación en los Estados Unidos. Una manera de hacerlo es entrevistando a estudiantes que están empezando su educación postsecundaria. Este estudio, el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios (BPS, por sus siglas en inglés), recopila información acerca de las experiencias que tienen los estudiantes durante su matrícula, perseverancia en la escuela, cursos que han tomado, títulos obtenidos y situación laboral después de estar matriculados. El folleto adjunto describe con detalles el estudio BPS.

«sPfname» «sPlname» fue «span_fill2» al azar para participar en el estudio BPS en el año 2004 y ahora nos comunicaremos con «span_pronoun1» para una entrevista final. Necesitamos su ayuda para poner al día nuestros registros sobre «span_pronoun1». **Por favor, tome unos minutos para completar el formulario de actualización del domicilio y envíelo en el sobre con porte postal prepagado.**

Nos volveremos a comunicar con «sPfname» y con otros participantes del estudio a comienzos de febrero del 2009, para preguntarle sobre sus experiencias recientes con su educación y situación laboral. La ayuda que usted nos dé para actualizar la información sobre la dirección de «span_pronoun1» asegurará el éxito de este estudio. A pesar de que el país cuenta con millones de estudiantes universitarios, sólo un pequeño número de ellos ha sido seleccionado para participar en este estudio. Por lo tanto, es sumamente importante que nos podamos comunicar con ellos. **Si «sPfname» completa la entrevista en el sitio Web en la fecha que se le indicó a «span_pronoun1», «span_pronoun1» recibirá \$«IncAmt» dólares como muestra de nuestro agradecimiento.**

El Centro Nacional de Estadísticas sobre la Educación (NCES, por sus siglas en inglés), ha contratado a RTI International para realizar esta ronda de recopilación de datos del Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios. Usted puede tener la seguridad que NCES y RTI siguen procedimientos estrictos de confidencialidad para proteger la privacidad de los participantes en estudios así como la confidencialidad de la información recopilada. Si tiene cualquier pregunta sobre el estudio, favor de llamar a la directora del estudio en RTI, la Dra. Jennifer Wine, gratis al 1-877-225-8470.

Le agradecemos de antemano su participación y su colaboración en este estudio importante.

El Centro Nacional de Estadísticas sobre la Educación (NCES por sus siglas en inglés) del Departamento de Educación de los Estados Unidos está autorizado por ley federal (Ley Pública 107-279) para realizar el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios. El NCES autorizará solamente a un número limitado de estudiosos a tener acceso a información que pudiera ser utilizada para identificar a las personas. Los estudiosos pueden utilizar los datos solamente para propósitos estadísticos y están sujetos a multas y encarcelamiento en caso de mala utilización.

De acuerdo a la Ley de Reducción de Trabajo Administrativo de 1995, ninguna persona tiene la obligación de responder a un cuestionario que solicite información, a menos que lleve un número de control de OMB (Oficina de Administración y Presupuesto) válido. El número válido de control otorgado por el OMB para esta recopilación de datos es el 1850-0631, y esta recopilación de datos es completamente voluntaria. Se calcula que el tiempo promedio para completar cada cuestionario es de 20 minutos, incluyendo el tiempo para revisar las instrucciones, buscar la información, juntar los datos necesarios, completar y revisar la información recopilada. Si tiene cualquier comentario acerca de la exactitud del tiempo estimado o sugerencias para mejorar la entrevista, favor de escribir a: U.S. Department of Education, Washington, DC 20006. Si tiene comentarios o dudas con respecto a su entrevista particular, favor de escribir directamente a: la Dra. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

Address Update Information – Student (English and Spanish)

Beginning Postsecondary Students Longitudinal Study Address Update Information -Student

Study ID number: «caseid»
«panelinfo»

1. Please review your current address and phone numbers displayed on the left side of the box below. Check here if all information preprinted in this section is **entirely correct**. ☐

If your address is not entirely correct or current, **please update** it in the space provided on the right side of the box. If you prefer to update your locating information online, visit our secure website at <https://surveys.nces.ed.gov/bps/> and refer to your study ID number **«caseid»**.

«fname» «mname» «lname» «suffix» «addr1» «addr2» «city», «state» «zip» «zip4» («area») «phone»	First Name: _____ Last Name: _____ Suffix (e.g. Jr., Sr.) _____ Street Address: _____ _____ City: _____ State: _____ Zip: _____ Home phone: (____) _____ Work phone: (____) _____ Cell phone: (____) _____
--	--

2. We will send an e-mail to let you know that data collection has begun. Please provide an e-mail address that we can use to contact you.

Primary e-mail address: _____

Alternate e-mail address: _____

3. Would you like us to send a text message on the cell phone listed above when data collection is about to begin? (Please note: standard text messaging rates apply.) Yes ☐ No ☐

If yes, please give us the name of your cell phone service provider (e.g. AT&T, Verizon, Sprint, etc.) to ensure the message is sent to the correct carrier.

Cell phone service provider: _____

Thank you for your assistance.

Please return this page in the enclosed postage-paid envelope.

Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios Formulario de actualización del domicilio

Identificación del estudio: «caseid»
«panelinfo»

1. Por favor, revise su dirección y números de teléfono actuales que aparecen en el lado izquierdo del recuadro que está a continuación. Marque aquí si toda la información impresa en esta sección es **correcta en su totalidad**. ☐

*Si su dirección no es correcta en su totalidad o no está actualizada, **favor de poner al día** la información en el espacio que se proporciona en el lado derecho del recuadro. Si usted prefiere actualizar la información en Internet, visite nuestra página segura en el sitio web <https://surveys.nces.ed.gov/bps/> y haga referencia al número de identificación del estudio **«caseid»**.*

«fname» «mname» «lname» «suffix» «addr1» «addr2» «city», «state» «zip» «zip4» («area») «phone»	Nombre: _____ Dirección: _____ _____ Teléfono de la casa: (____) _____ Teléfono del trabajo: (____) _____ Teléfono celular: (____) _____
--	---

2. Le enviaremos un correo electrónico para hacerle saber que ha comenzado la recopilación de datos. Por favor, proporcione una dirección de correo electrónico que podamos usar para comunicarnos con usted.

Dirección primaria de correo electrónico: _____
 Dirección alterna de correo electrónico: _____

Muchas gracias por su ayuda.

Favor de devolver este formulario en el sobre adjunto con porte postal prepago

Lead Letter – Student (English and Spanish)

November 29, 2011

«fname» «mname» «lname» «suffix»
«addr1»
«addr2»
«city», «state» «zip» «zip4»

Study ID number: «caseid»
«panelinfo»

Dear «fname» «lname»:

«fill1» «fill2»«fill4»

Enclosed you will find a brochure with a brief description of BPS, findings from prior BPS studies, and confidentiality procedures. When data collection begins in February 2009, you will receive a letter with specific instructions on how to participate. The interview will take about 20 minutes to complete on the Web. If you complete the interview by the date indicated in the letter, you will receive \$«IncAmt» as a token of our appreciation.

In the meantime, we need your help to update our records. Please provide your mailing address, telephone number, and e-mail address on the enclosed address update sheet and return it to us in the business reply envelope provided. To find out more about this BPS interview or to update your contact information online, visit the study's website at <https://surveys.nces.ed.gov/bps/>.

NCES has contracted with RTI International to conduct «fill3»the BPS data collection. Please be assured that both NCES and RTI follow strict confidentiality procedures to protect your privacy and the confidentiality of the information collected. If you have any questions about the study, please call the RTI study director, Dr. Jennifer Wine, toll-free at 1-877-225-8470.

I thank you in advance for your participation in this important study. Your cooperation is greatly appreciated.

Sincerely,



Thomas Weko
Associate Commissioner
Postsecondary Studies Division
National Center for Education Statistics

Enclosures

To update your contact information online: Go to: https://surveys.nces.ed.gov/bps/ Enter study ID number: «caseid»

Appendix F. Notification Material for Student Interview Data Collection

The National Center for Education Statistics (NCES) of the U.S. Department of Education is authorized by federal law (Public Law 107-279) to conduct the Beginning Postsecondary Students Longitudinal Study. NCES will authorize only a limited number of researchers to have access to information which could be used to identify individuals. They may use the data for statistical purposes only and are subject to fines and imprisonment for misuse.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number of this information collection is 1850-0631, and it is completely voluntary. The time required to complete this information collection is estimated to average 20 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate or suggestions for improving the interview, please write to: U.S. Department of Education, Washington, DC 20006. If you have comments or concerns regarding the status of your individual interview, write directly to: Dr. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

«span_fill» «fname» «lname»:

«span_fill1»«span_fill2»«span_fill3»

Adjuntamos a la presente un folleto con una breve descripción del Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios, así hallazgos de previos estudios de BPS y los procedimientos de confidencialidad. Cuando comience la recopilación de datos en febrero de 2009, usted recibirá una carta con instrucciones específicas sobre cómo participar. La entrevista tomará alrededor de 20 minutos en completarse en el sitio web. Si contesta la entrevista a más tardar en la fecha indicada en la carta, usted recibirá \$«IncAmt» como muestra de nuestro agradecimiento.

Mientras tanto, necesitamos su ayuda para actualizar nuestros registros. Por favor, proporcione su dirección de correo, número de teléfono y dirección de correo electrónico en el formulario de actualización del domicilio adjunto y envíelo por correo en el sobre que adjuntamos. Para saber más sobre la entrevista de este estudio o para actualizar su información en Internet, visite el sitio web <https://surveys.nces.ed.gov/bps/>.

El Centro Nacional de Estadísticas de la Educación ha contratado a RTI International para realizar la recopilación de datos de esta ronda del Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios. Puede estar «span_fill4» que el Centro Nacional de Estadísticas de la Educación y RTI seguirán procedimientos estrictos de confidencialidad para proteger su privacidad y la confidencialidad de la información recopilada. Si usted tiene preguntas sobre el estudio, por favor llame a la directora del estudio en RTI, Dra. Jennifer Wine, al número de teléfono gratuito 1-877-225-8470.

Le agradezco de antemano su participación en este importante estudio. Apreciamos sinceramente su cooperación.

El Centro Nacional de Estadísticas sobre la Educación (NCES por sus siglas en inglés) del Departamento de Educación de los Estados Unidos está autorizado por ley federal (Ley Pública 107-279) para realizar el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios. El NCES autorizará solamente a un número limitado de estudiosos a tener acceso a información que pudiera ser utilizada para identificar a las personas. Los estudiosos pueden utilizar los datos solamente para propósitos estadísticos y están sujetos a multas y encarcelamiento en caso de mala utilización.

De acuerdo a la Ley de Reducción de Trabajo Administrativo de 1995, ninguna persona tiene la obligación de responder a un cuestionario que solicite información, a menos que lleve un número de control de OMB (Oficina de Administración y Presupuesto) válido. El número válido de control otorgado por el OMB para esta recopilación de datos es el 1850-0631, y esta recopilación de datos es completamente voluntaria. Se calcula que el tiempo promedio para completar cada cuestionario es de 20 minutos, incluyendo el tiempo para revisar las instrucciones, buscar la información, juntar los datos necesarios, completar y revisar la información recopilada. Si tiene cualquier comentario acerca de la exactitud del tiempo estimado o sugerencias para mejorar la entrevista, favor de escribir a: U.S. Department of Education, Washington, DC 20006. Si tiene comentarios o dudas con respecto a su entrevista particular, favor de escribir directamente a: la Dra. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

Data Collection Announcement – Parent Letter (English and Spanish)

November 29, 2011

«cPname»
«CpAddr1»
«CpAddr2»
«CpCity», «CpState» «CpZip»

Study ID number: «caseid»
«panelinfo»

Dear «Cpfname» «Cplname»:

A few years ago, «sPfname» participated in the «fill1» conducted by RTI International for the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences. On February 24, 2009, we will begin data collection for a final follow-up interview «fill2». **If «sPfname» completes the interview by March 23, 2009, «pronoun1» will receive \$«IncAmt» as a token of our appreciation.**

Enclosed you will find a brochure with a brief description of BPS, findings from prior studies, and confidentiality procedures. The «fill3»BPS interview will ask questions about «sPfname»'s education and employment experiences since the last interview. «sPfname»'s participation in this study, while voluntary, is critical to its success.

If you have any questions about BPS, please contact the BPS Project Director, Dr. Jennifer Wine, toll-free at 1-877-225-8470, e-mail: jennifer@rti.org, or the NCES Project Officer, Dr. Tracy Hunt-White, at 202-502-7438, e-mail: tracy.hunt-white@ed.gov.

Thank you for helping to make BPS a success.

Sincerely,



Jennifer S. Wine, Ph.D.
BPS Project Director
Education Studies Division
RTI International



Tracy Hunt-White, Ph.D.
NCES Project Officer
National Center for Education Statistics
U.S. Department of Education

Enclosures

The National Center for Education Statistics (NCES) of the U.S. Department of Education is authorized by federal law (Public Law 107-279) to conduct the Beginning Postsecondary Students Longitudinal Study. NCES will authorize only a limited number of researchers to have access to information which could be used to identify individuals. They may use the data for statistical purposes only and are subject to fines and imprisonment for misuse.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number of this information collection is 1850-0631, and it is completely voluntary. The time required to complete this information collection is estimated to average 20 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate or suggestions for improving the interview, please write to: U.S. Department of Education, Washington, DC 20006. If you have comments or concerns regarding the status of your individual interview, write directly to: Dr. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

«span_fill» «Cpfname» «Cplname»:

Hace unos años, «sPfname» participó en el «span_fill1». Este estudio es realizado por RTI International para el Centro Nacional de Estadísticas sobre la Educación (NCES, por sus siglas en inglés) del Instituto de Ciencias de la Educación del Departamento de Educación de los Estados Unidos. El 24 de febrero de 2009 comenzaremos a recopilar información para la entrevista final de seguimiento «span_fill2». **Si «sPfname» completa la entrevista a más tardar el 23 de marzo de 2009, «span_pronoun1» recibirá \$«IncAmt» dólares como muestra de nuestro agradecimiento.**

Adjuntamos a la presente un folleto con una breve descripción del Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios (BPS, por sus siglas en inglés), incluyendo los resultados de estudios anteriores y los procedimientos de confidencialidad. La entrevista «span_fill3» del Estudio Longitudinal de Estudiantes que Comienzan Postsecundarios hará preguntas sobre la educación y las experiencias de empleo de «sPfname» desde la última entrevista. Aunque la participación de «sPfname» es voluntaria, ésta tiene mucha importancia para el éxito del estudio.

Si usted tiene preguntas acerca del Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios, por favor comuníquese con la Directora del Proyecto de este estudio, Dra. Jennifer Wine, al número de teléfono gratuito 1-877-225-8470, o también puede enviarle un correo electrónico a: jennifer@rti.org. También puede comunicarse con la Funcionaria del Proyecto en el Centro Nacional de Estadísticas sobre la Educación, Dra. Tracy Hunt-White, al número 202-502-7438, o a través de su correo electrónico: tracy.hunt-white@ed.gov.

Muchas gracias por ayudar a que el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios sea todo un éxito.

El Centro Nacional de Estadísticas sobre la Educación (NCES por sus siglas en inglés) del Departamento de Educación de los Estados Unidos está autorizado por ley federal (Ley Pública 107-279) para realizar el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios. El NCES autorizará solamente a un número limitado de estudiosos a tener acceso a información que pudiera ser utilizada para identificar a las personas. Los estudiosos pueden utilizar los datos solamente para propósitos estadísticos y están sujetos a multas y encarcelamiento en caso de mala utilización.

De acuerdo a la Ley de Reducción de Trabajo Administrativo de 1995, ninguna persona tiene la obligación de responder a un cuestionario que solicite información, a menos que lleve un número de control de OMB (Oficina de Administración y Presupuesto) válido. El número válido de control otorgado por el OMB para esta recopilación de datos es el 1850-0631, y esta recopilación de datos es completamente voluntaria. Se calcula que el tiempo promedio para completar cada cuestionario es de 20 minutos, incluyendo el tiempo para revisar las instrucciones, buscar la información, juntar los datos necesarios, completar y revisar la información recopilada. Si tiene cualquier comentario acerca de la exactitud del tiempo estimado o sugerencias para mejorar la entrevista, favor de escribir a: U.S. Department of Education, Washington, DC 20006. Si tiene comentarios o dudas con respecto a su entrevista particular, favor de escribir directamente a: la Dra. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

Initial Letter to Base-Year Respondents (English and Spanish)

November 29, 2011

«stu_name»
«addr1»
«addr2»
«citystzip»

Dear «fname» «lname»:

The last round of interviews for the Beginning Postsecondary Students Longitudinal Study (BPS) is now being conducted. The interview will take about 20 minutes to complete. **If you complete your BPS interview by March 23rd, you will receive a check for \$«IncAmt» as a token of our appreciation.**

Enclosed you will find a brochure describing the BPS study. To access the web interview, log in to the secure website at <https://surveys.nces.ed.gov/bps/> using the study ID number and password provided below. If you have questions or problems completing your interview online, please call the **BPS Help Desk at 1-800-334-2321** (e-mail bps@rti.org).

The password is case sensitive; you will need to enter it exactly as it appears.

Study ID number = «caseid»

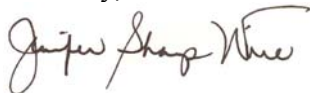
Password = «password»m

Your participation, while voluntary, is critical to the study's success. To ensure confidentiality, your responses will be secured behind firewalls and will be encrypted during internet transmission. Federal law requires that we protect your privacy. Your responses will be used only for statistical purposes and will not be disclosed, or used, in identifiable form for any other purpose, except as required by law.

RTI International is conducting BPS on behalf of the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences. If you have any questions about the study, please contact the BPS Project Director, Dr. Jennifer Wine, toll-free at 1-877-225-8470, e-mail: jennifer@rti.org, or the NCES Project Officer, Dr. Tracy Hunt-White, at 202-502-7438, e-mail: tracy.hunt-white@ed.gov.

Thank you for helping to make BPS a success.

Sincerely,



Jennifer S. Wine, Ph.D.
BPS Project Director
Education Studies Division
RTI International



Tracy Hunt-White, Ph.D.
NCES Project Officer
National Center for Education Statistics
U.S. Department of Education

Enclosures

Appendix F. Notification Material for Student Interview Data Collection

The National Center for Education Statistics (NCES) of the U.S. Department of Education is authorized by federal law (Public Law 107-279) to conduct the Beginning Postsecondary Students Longitudinal Study. NCES will authorize only a limited number of researchers to have access to information which could be used to identify individuals. They may use the data for statistical purposes only and are subject to fines and imprisonment for misuse.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number of this information collection is 1850-0631, and it is completely voluntary. The time required to complete this information collection is estimated to average 20 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate or suggestions for improving the interview, please write to: U.S. Department of Education, Washington, DC 20006. If you have comments or concerns regarding the status of your individual interview, write directly to: Dr. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

«span_fill1» «fname» «lname»:

Actualmente se está realizando la última ronda de entrevistas para el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios (BPS, por sus siglas en inglés). La entrevista tomará alrededor de 20 minutos en completarse. **Si contesta la entrevista de este estudio a más tardar el 23 de marzo, usted recibirá un cheque por \$«IncAmt» dólares como muestra de nuestro agradecimiento.**

Adjuntamos a la presente un folleto que describe el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios. Para tener acceso a la entrevista en Internet, entre en el sitio seguro <https://surveys.nces.ed.gov/bps/> y use el número de identificación del estudio y la contraseña que se indica a continuación. Si usted tiene preguntas o problemas para completar su entrevista en Internet, por favor, llame a la **Oficina de Ayuda BPS** al número de teléfono gratuito **1-800-334-2321** o puede enviar un correo electrónico a bps@rti.org.

La contraseña distingue letras mayúsculas y minúsculas, de manera que necesita escribirla de la misma manera como aparece a continuación.

Número de identificación del estudio = «caseid»

Contraseña = «password»m

Aunque su participación es voluntaria, es muy importante para el éxito de este estudio. Para garantizar la confidencialidad, sus respuestas serán protegidas con un sistema de seguridad (“firewall”) y serán codificadas al momento de ser transmitidas a través del Internet. La ley federal requiere que nosotros protejamos su privacidad. Sus respuestas se usarán sólo con propósitos estadísticos y no serán divulgadas o utilizadas en ninguna forma que «span_fill2» identifique para cualquier otro propósito, excepto cuando sea requerido por la ley.

RTI International está realizando el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios en nombre del Centro Nacional de Estadísticas sobre la Educación (NCES, por sus siglas en inglés) que es parte del Instituto de Ciencias de la Educación del Departamento de Educación de los Estados Unidos. Si usted tiene alguna pregunta con relación al estudio, por favor comuníquese con la Directora del Proyecto de este estudio, Dra. Jennifer Wine, al número de teléfono gratuito 1-877-225-8470, o también puede enviarle un correo electrónico a: jennifer@rti.org. También puede comunicarse con la Funcionaria del Proyecto en el Centro Nacional de Estadísticas sobre la Educación, Dra. Tracy Hunt-White, al número 202-502-7438, o a través de su correo electrónico tracy.hunt-white@ed.gov.

Muchas gracias por ayudar a que el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios sea todo un éxito.

El Centro Nacional de Estadísticas sobre la Educación (NCES por sus siglas en inglés) del Departamento de Educación de los Estados Unidos está autorizado por ley federal (Ley Pública 107-279) para realizar el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios. El NCES autorizará solamente a un número limitado de estudiosos a tener acceso a información que pudiera ser utilizada para identificar a las personas. Los estudiosos pueden utilizar los datos solamente para propósitos estadísticos y están sujetos a multas y encarcelamiento en caso de mala utilización.

De acuerdo a la Ley de Reducción de Trabajo Administrativo de 1995, ninguna persona tiene la obligación de responder a un cuestionario que solicite información, a menos que lleve un número de control de OMB (Oficina de Administración y Presupuesto) válido. El número válido de control otorgado por el OMB para esta recopilación de datos es el 1850-0631, y esta recopilación de datos es completamente voluntaria. Se calcula que el tiempo promedio para completar cada cuestionario es de 20 minutos, incluyendo el tiempo para revisar las instrucciones, buscar la información, juntar los datos necesarios, completar y revisar la información recopilada. Si tiene cualquier comentario acerca de la exactitud del tiempo estimado o sugerencias para mejorar la entrevista, favor de escribir a: U.S. Department of Education, Washington, DC 20006. Si tiene comentarios o dudas con respecto a su entrevista particular, favor de escribir directamente a: la Dra. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

Data Collection Announcement Postcard



*Beginning
Postsecondary
Students
Longitudinal
Study*

PO Box 12194
Research Triangle Park, NC 27709-2194
RTI Project #0208407.400.336

ADDRESS SERVICE REQUESTED

«stu_name»
«addr1»
«addr2»
«citystzip»

Study ID number «caseid»
«panelinfo»



*Beginning
Postsecondary
Students
Longitudinal
Study*

Recently, we sent you information on how to complete the interview for the Beginning Postsecondary Students Longitudinal Study. RTI is conducting this study for the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences. If you have already completed the interview, we would like to thank you. Your assistance is very much appreciated.

If you have not yet completed your interview, we would like to remind you that if you complete the interview by **March 23**, you will receive \$«IncAmt» as a token of our appreciation. To complete a web interview over our secure website, log on to <https://surveys.nces.ed.gov/bps/>.

If you have any questions or problems completing your web interview, or would like to complete the interview by telephone with a professionally trained interviewer, please contact the BPS Help Desk at 1-800-334-2321.

Thank you.

CATI Requested Letter (English and Spanish)

November 29, 2011

«name»

«caseid» (Study ID number)

«addr1»

«panelinfo» (Address ID)

«addr2»

«citystzip»

Dear «fname» «lname»:

Per your request, we are providing you with more information on the Beginning Postsecondary Students Longitudinal Study (BPS) that is now being conducted. This round of BPS is a follow-up to the «fill1». Enclosed you will find a brochure with a brief description of BPS, findings from the 2006 BPS study, and confidentiality procedures.

To make the interview process as easy as possible for you, you may either complete the interview on the Web or over the telephone with one of our professionally trained interviewers. The interview takes about 20 minutes. Once you complete the interview, you will **receive a \$«IncAmt» check as a token of our appreciation.**

Please call us toll-free at **1-800-334-2321** to complete a telephone interview, or if you wish to complete the interview yourself on our secure website, log on to <https://surveys.nces.ed.gov/bps/>. You will need the study ID number and password provided below to access the web interview. ***The password is case sensitive; you will need to enter it exactly as it appears here.***

Study ID number = «caseid»

Password = «password»n

Please be assured that your answers will be kept confidential and protected to the fullest extent allowable under law.

Do not hesitate to contact me directly at 1-877-225-8470 (toll-free), or by e-mail at jennifer@rti.org, so I can provide any additional information about the study or your interview.

Thank you in advance for your participation in this important study. Your cooperation is greatly appreciated.

Sincerely,



Jennifer S. Wine, Ph.D.
BPS Project Director
Education Studies Division
RTI International



Tracy Hunt-White, Ph.D.
NCES Project Officer
National Center for Education Statistics
U.S. Department of Education

Enclosures

Appendix F. Notification Material for Student Interview Data Collection

The National Center for Education Statistics (NCES) of the U.S. Department of Education is authorized by federal law (Public Law 107-279) to conduct the Beginning Postsecondary Students Longitudinal Study. NCES will authorize only a limited number of researchers to have access to information which could be used to identify individuals. They may use the data for statistical purposes only and are subject to fines and imprisonment for misuse.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number of this information collection is 1850-0631, and it is completely voluntary. The time required to complete this information collection is estimated to average 20 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate or suggestions for improving the interview, please write to: U.S. Department of Education, Washington, DC 20006. If you have comments or concerns regarding the status of your individual interview, write directly to: Dr. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

«span_fill» «fname» «lname»:

Tal como usted lo solicitó, le estamos enviando más información sobre el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios (BPS, por sus siglas en inglés), el cual estamos realizando actualmente. Esta ronda de entrevistas del estudio es un seguimiento de «span_fill1».

Adjuntamos a la presente un folleto con una breve descripción del estudio BPS, de los hallazgos provenientes del estudio en el año 2006 y los procedimientos de confidencialidad.

Para que el proceso de la entrevista le sea tan fácil como sea posible, usted puede completar la entrevista ya sea por Internet o por teléfono con uno de nuestros entrevistadores capacitados profesionalmente. La entrevista dura alrededor de 20 minutos. Una vez que complete la entrevista, usted **recibirá un cheque por \$«IncAmt» dólares como muestra de nuestro agradecimiento.**

Por favor, llámenos al número de teléfono gratuito **1-800-334-2321** para completar la entrevista telefónica, o si desea completar la entrevista usted mismo(a) en el sitio seguro de Internet, puede conectarse a <https://surveys.nces.ed.gov/bps/>. Usted necesitará un número de identificación y una contraseña que se muestran a continuación, para poder tener acceso a la entrevista en Internet. ***Debe escribir la contraseña exactamente como aparece aquí, ya que se distinguen letras mayúsculas y minúsculas.***

Número de identificación del estudio = «caseid»

Contraseña = «password»n

Tenga la plena seguridad que sus respuestas se mantendrán en forma confidencial y serán protegidas hasta donde lo permite la ley.

Si desea información adicional sobre el estudio o su entrevista, puede comunicarse conmigo con toda confianza directamente al número de teléfono gratuito 1-877-225-8470 o al correo electrónico jennifer@rti.org.

Le agradezco de antemano su participación en este importante estudio. Muchas gracias por su cooperación.

El Centro Nacional de Estadísticas sobre la Educación (NCES por sus siglas en inglés) del Departamento de Educación de los Estados Unidos está autorizado por ley federal (Ley Pública 107-279) para realizar el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios. El NCES autorizará solamente a un número limitado de estudiosos a tener acceso a información que pudiera ser utilizada para identificar a las personas. Los estudiosos pueden utilizar los datos solamente para propósitos estadísticos y están sujetos a multas y encarcelamiento en caso de mala utilización.

De acuerdo a la Ley de Reducción de Trabajo Administrativo de 1995, ninguna persona tiene la obligación de responder a un cuestionario que solicite información, a menos que lleve un número de control de OMB (Oficina de Administración y Presupuesto) válido. El número válido de control otorgado por el OMB para esta recopilación de datos es el 1850-0631, y esta recopilación de datos es completamente voluntaria. Se calcula que el tiempo promedio para completar cada cuestionario es de 20 minutos, incluyendo el tiempo para revisar las instrucciones, buscar la información, juntar los datos necesarios, completar y revisar la información recopilada. Si tiene cualquier comentario acerca de la exactitud del tiempo estimado o sugerencias para mejorar la entrevista, favor de escribir a: U.S. Department of Education, Washington, DC 20006. Si tiene comentarios o dudas con respecto a su entrevista particular, favor de escribir directamente a: la Dra. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

BPS Prompt Letter (English and Spanish)

November 29, 2011

«name»

«addr1»

«addr2»

«citystzip»

Study ID number: «caseid»

«panelinfo»

Dear «fname» :

On behalf of the U.S. Department of Education, I am writing to ask for your participation in the Beginning Postsecondary Students Longitudinal Study (BPS). Only a limited number of people were selected for the study, so each person represents many others who were not selected. Therefore, it is extremely important that you complete the interview so that educators and policymakers better understand the rate at which beginning students are completing degree programs, the factors preventing them from continuing their education, and the experiences of students as they transition into employment. Because the results from this study will help develop policy regarding participation in higher education, your experiences and opinions will help determine how future tax dollars are spent.

The interview takes about 20 minutes to complete on average. You will **receive a \$«IncAmt» check as a token of our appreciation** for completing the interview. Once you have completed this interview, you will be finished with the BPS data collection. There will be no future BPS follow-up interviews and your participation with this study will be complete.

Please call us at **1-800-334-2321** to complete a telephone interview or, if you wish to complete the interview yourself over our secure website, log on to <https://surveys.nces.ed.gov/bps/>.

You will need the Study ID and password provided below to access the web interview. ***The password is case sensitive; you will need to enter it exactly as it appears here.***

Study ID number = «caseid»

Password = «password»p

Be assured that all of your answers will be kept confidential and will be protected to the fullest extent allowable under law.

Please do not hesitate to contact me directly at 1-877-225-8470 (toll-free) or by e-mail at jennifer@rti.org if I can provide any additional information about the study or your interview.

Thank you in advance for your participation in this important study. Your cooperation is greatly appreciated.

Sincerely,



Jennifer S. Wine, Ph.D.
BPS Project Director
Education Studies Division
RTI International



Tracy Hunt-White, Ph.D.
NCES Project Officer
National Center for Education Statistics
U.S. Department of Education

Enclosures

The National Center for Education Statistics (NCES) of the U.S. Department of Education is authorized by federal law (Public Law 107-279) to conduct the Beginning Postsecondary Students Longitudinal Study. NCES will authorize only a limited number of researchers to have access to information that could be used to identify individuals. They may use the data for statistical purposes only and are subject to fines and imprisonment for misuse.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number of this information collection is 1850-0631, and it is completely voluntary. The time required to complete this information collection is estimated to average 25 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate or suggestions for improving the interview, please write to: U.S. Department of Education, 400 Maryland Avenue SW, Washington, DC 20006. If you have comments or concerns regarding the status of your individual interview, write directly to: Dr. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street NW, Washington, DC 20006.

«span_fill» «fname» «lname»:

Le escribo en nombre del Departamento de Educación de los Estados Unidos para solicitarle su participación en el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios (BPS, por sus siglas en inglés). Sólo un número limitado de personas fueron seleccionadas para el estudio, para que cada una de ellas represente a muchas otras que no fueron seleccionadas. Por esa razón, es sumamente importante que usted complete la entrevista para que los educadores y las personas encargadas de crear políticas, entiendan mejor la frecuencia con la que los estudiantes principiantes completan sus programas para obtener un título, los factores que les impiden continuar su educación y las experiencias de los estudiantes al entrar al campo laboral. En vista de que los resultados de este estudio ayudarán a desarrollar políticas acerca de la participación en la educación superior, sus experiencias y opiniones ayudarán a determinar cómo se invertirá el dinero de los impuestos en el futuro.

La entrevista durará alrededor de 20 minutos en promedio en completarse. Usted **recibirá un cheque por \$«IncAmt» dólares como muestra de nuestro agradecimiento** por completar la entrevista. Una vez que haya completado la entrevista, usted habrá terminado con la recopilación de datos del estudio BPS. No habrá futuras entrevistas de seguimiento y su participación en este estudio se habrá completado.

Por favor, llámenos al número gratuito **1-800-334-2321** para completar la entrevista telefónica, o si desea completar la entrevista usted mismo(a) en el sitio seguro de Internet, puede conectarse a <https://surveys.nces.ed.gov/bps/>.

Usted necesitará un número de identificación del estudio y una contraseña que se muestran a continuación, para poder tener acceso a la entrevista en Internet. ***Debe escribir la contraseña exactamente como aparece aquí, ya que se distinguen letras mayúsculas y minúsculas.***

Número de identificación del estudio = «caseid»

Contraseña = «password»p

Tenga la plena seguridad que sus respuestas se mantendrán en forma confidencial y serán protegidas hasta donde lo permita la ley.

Si desea información adicional sobre el estudio o su entrevista, puede comunicarse conmigo con toda confianza directamente al número de teléfono gratuito 1-877-225-8470 o al correo electrónico jennifer@rti.org.

Le agradezco de antemano su participación en este importante estudio. Muchas gracias por su cooperación.

El Centro Nacional de Estadísticas sobre la Educación (NCES por sus siglas en inglés) del Departamento de Educación de los Estados Unidos está autorizado por ley federal (Ley Pública 107-279) para realizar el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios. El NCES autorizará solamente a un número limitado de estudiosos a tener acceso a información que pudiera ser utilizada para identificar a las personas. Los estudiosos pueden utilizar los datos solamente para propósitos estadísticos y están sujetos a multas y encarcelamiento en caso de mala utilización.

De acuerdo a la Ley de Reducción de Trabajo Administrativo de 1995, ninguna persona tiene la obligación de responder a un cuestionario que solicite información, a menos que lleve un número de control de OMB (Oficina de Administración y Presupuesto) válido. El número válido de control otorgado por el OMB para esta recopilación de datos es el 1850-0631, y esta recopilación de datos es completamente voluntaria. Se calcula que el tiempo promedio para completar cada cuestionario es de 20 minutos, incluyendo el tiempo para revisar las instrucciones, buscar la información, juntar los datos necesarios, completar y revisar la información recopilada. Si tiene cualquier comentario acerca de la exactitud del tiempo estimado o sugerencias para mejorar la entrevista, favor de escribir a: U.S. Department of Education, Washington, DC 20006. Si tiene comentarios o dudas con respecto a su entrevista particular, favor de escribir directamente a: la Dra. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

Refusal/Hard to Reach Letter (English and Spanish)

November 29, 2011

«name»

«caseid»

«addr1»

«panelinfo»

«addr2»

«citystzip»

Dear «fname» «lname»:

On behalf of the U.S. Department of Education, I am writing to ask for your participation in the Beginning Postsecondary Students Longitudinal Study (BPS). Only a limited number of people were selected for the study, so each person represents many others who were not selected. Therefore, it is extremely important that you complete the interview so that educators and policymakers better understand the rate at which beginning students are completing degree programs, the factors preventing them from continuing their education, and the experiences of students as they transition into employment. Because the results from this study will help develop policy regarding participation in higher education, your experiences and opinions will help determine how future tax dollars are spent.

The interview takes about 20 minutes to complete on average. **You will receive a \$«IncAmt» check as a token of our appreciation** for the time you take to complete the interview. Once you have completed this interview, you will be finished with the BPS data collection. There will be no future BPS follow-up interviews and your participation with this study will be complete.

Please call us at **1-800-334-2321** to complete a telephone interview or, if you wish to complete the interview yourself over our secure website, log on to <https://surveys.nces.ed.gov/bps/>.

You will need the study ID number and password provided below to access the web interview. ***The password is case sensitive; you will need to enter it exactly as it appears here.***

Study ID number = «caseid»

Password = «password»

Be assured that all of your answers will be kept confidential and will be protected to the fullest extent allowable under law.

Please do not hesitate to contact me directly at 1-877-225-8470 (toll-free) or by e-mail at jennifer@rti.org if I can provide any additional information about the study or your interview.

Thank you in advance for your participation in this important study. Your cooperation is greatly appreciated.

Sincerely,



Jennifer S. Wine, Ph.D.
BPS Project Director
Education Studies Division
RTI International



Tracy Hunt-White, Ph.D.
NCES Project Officer
National Center for Education Statistics
U.S. Department of Education

Enclosures

Appendix F. Notification Material for Student Interview Data Collection

The National Center for Education Statistics (NCES) of the U.S. Department of Education is authorized by federal law (Public Law 107-279) to conduct the Beginning Postsecondary Students Longitudinal Study. NCES will authorize only a limited number of researchers to have access to information which could be used to identify individuals. They may use the data for statistical purposes only and are subject to fines and imprisonment for misuse.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number of this information collection is 1850-0631, and it is completely voluntary. The time required to complete this information collection is estimated to average 20 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate or suggestions for improving the interview, please write to: U.S. Department of Education, Washington, DC 20006. If you have comments or concerns regarding the status of your individual interview, write directly to: Dr. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

«span_fill1» «fname» «lname»:

Le escribo en nombre del Departamento de Educación de los Estados Unidos para solicitarle su participación en el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios (BPS, por sus siglas en inglés). Sólo un número limitado de personas fueron seleccionadas para el estudio, para que cada una de ellas represente a muchas otras que no fueron seleccionadas. Por esa razón, es sumamente importante que usted complete la entrevista para que los educadores y las personas encargadas de crear políticas, entiendan mejor la frecuencia con la que los estudiantes principiantes completan sus programas para obtener un título, los factores que les impiden continuar su educación y las experiencias de los estudiantes al entrar al campo laboral. En vista de que los resultados de este estudio ayudarán a desarrollar políticas acerca de la participación en la educación superior, sus experiencias y opiniones ayudarán a determinar cómo se invertirá el dinero de los impuestos en el futuro.

La entrevista durará alrededor de 20 minutos en promedio en completarse. Usted **recibirá un cheque por \$«IncAmt» dólares como muestra de nuestro agradecimiento** por el tiempo que tome en completar la entrevista. Una vez que haya completado la entrevista, usted habrá terminado con la recopilación de datos del estudio BPS. No habrá futuras entrevistas de seguimiento y su participación en este estudio se habrá completado.

Por favor, llámenos al número gratuito **1-800-334-2321** para completar la entrevista telefónica, o si desea completar la entrevista usted mismo(a) en el sitio seguro de Internet, puede conectarse a <https://surveys.nces.ed.gov/bps/>.

Usted necesitará un número de identificación del estudio y una contraseña que se muestran a continuación, para poder tener acceso a la entrevista en Internet. ***Debe escribir la contraseña exactamente como aparece aquí, ya que se distinguen letras mayúsculas y minúsculas.***

Número de identificación del estudio = «caseid»

Contraseña = «password»

Tenga la plena seguridad que sus respuestas se mantendrán en forma confidencial y serán protegidas hasta donde lo permita la ley.

Si desea información adicional sobre el estudio o su entrevista, puede comunicarse conmigo con toda confianza directamente al número de teléfono gratuito 1-877-225-8470 o al correo electrónico jennifer@rti.org.

Le agradezco de antemano su participación en este importante estudio. Muchas gracias por su cooperación.

El Centro Nacional de Estadísticas sobre la Educación (NCES por sus siglas en inglés) del Departamento de Educación de los Estados Unidos está autorizado por ley federal (Ley Pública 107-279) para realizar el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios. El NCES autorizará solamente a un número limitado de estudiosos a tener acceso a información que pudiera ser utilizada para identificar a las personas. Los estudiosos pueden utilizar los datos solamente para propósitos estadísticos y están sujetos a multas y encarcelamiento en caso de mala utilización.

De acuerdo a la Ley de Reducción de Trabajo Administrativo de 1995, ninguna persona tiene la obligación de responder a un cuestionario que solicite información, a menos que lleve un número de control de OMB (Oficina de Administración y Presupuesto) válido. El número válido de control otorgado por el OMB para esta recopilación de datos es el 1850-0631, y esta recopilación de datos es completamente voluntaria. Se calcula que el tiempo promedio para completar cada cuestionario es de 20 minutos, incluyendo el tiempo para revisar las instrucciones, buscar la información, juntar los datos necesarios, completar y revisar la información recopilada. Si tiene cualquier comentario acerca de la exactitud del tiempo estimado o sugerencias para mejorar la entrevista, favor de escribir a: U.S. Department of Education, Washington, DC 20006. Si tiene comentarios o dudas con respecto a su entrevista particular, favor de escribir directamente a: la Dra. Tracy Hunt-White, National Center for Education Statistics, 1990 K Street, NW, Washington, DC 20006.

May Folded Postcard

Beginning Postsecondary Students Longitudinal Study

«fname»,
complete your last BPS interview
and get
\$«inc_amt» for your time!



To complete the **web interview** over our secure website, log on to <https://surveys.nces.ed.gov/bps/>

Your Study ID number is: «caseid»
Your Password is: «password»U

To complete the **telephone interview** with a professional interviewer, or for help completing the web interview, please call **1-800-334-2321**.

The last round of interviews is being conducted for the Beginning Postsecondary Students Longitudinal Study (BPS) by RTI International for the U.S. Department of Education's National Center for Education Statistics. By completing the interview, you will make an important contribution to research that will help policymakers better understand the education and employment experiences of students a few years after entering college or other postsecondary education. Once you complete your final BPS interview, you will receive a \$«inc_amt» check as a token of our appreciation.

To access the interview online, log on to our secure website at <https://surveys.nces.ed.gov/bps/> using the Study ID number and password provided below. On average, the interview takes about 20 minutes to complete.

Study ID number = «caseid»
Password = «password»U

Please enter upper/lower case letters as they appear. If you are using a pop-up blocker, you will need to temporarily disable it to access the interview before logging in to complete the interview.

Your responses may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose, except as required by law. Participation in this study is voluntary and will not affect any aid or any benefits you receive. If you have questions or problems completing the interview online, or would like to complete it over the telephone with a professional interviewer, simply call the BPS Help Desk at 1-800-334-2321, or you can e-mail us at BPS@rti.org.

Thank you in advance for making BPS a success.

«Pretty_name»
«Addr1»
«Addr2»
«City», «state» «zip»

ADDRESS SERVICE REQUESTED

PO Box 12194
Research Triangle Park, NC 27709-2194
RTI Project #0208407.400.336 («panelinfo»)



What has happened in your life in the past few years?
Have you taken a break from school, earned a degree,
enrolled for further education, changed jobs,
started a career?



June Flyer



What has happened in your life in the past few years?

- ☐ Earned a degree
- ☐ Started a career
- ☐ Enrolled in graduate school
- ☐ Taken a break from school
- ☐ Changed jobs
- ☐ _____

«fname» «lname», if you complete the Beginning Postsecondary Students Longitudinal Study (BPS) survey, we'll give you \$«inc_amt» as a thank-you for your participation.

Go to <https://surveys.nces.ed.gov/bps/>

OR

call 1-800-334-2321

Your study ID: «caseid»

Your password: «password»v

Thank you for participating in this important U.S. Department of Education study!

Spanish Interview Letter (English and Spanish)

November 29, 2011

«name»

«caseid» (Study ID number)

«addr1»

«addr2»

«city», «state» «zip»

Dear «fname»,

As we continue data collection for the Beginning Postsecondary Students Longitudinal Study (BPS), the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences wants to ensure that all selected students from the 2003-04 school year, including students who speak primarily Spanish, are well represented in the study. In order to accomplish this goal, we have created a Spanish version of the interview. If you complete the BPS interview, you will receive a \$«IncAmt» check as a token of our appreciation. The Spanish version of the interview takes about 10 minutes to complete.

To complete the Spanish interview yourself on the Web, simply log on to our secure website at <https://surveys.nces.ed.gov/BPS/> using the Study ID number and password provided on this letter. When the interview window opens, click the button labeled "Para español, presione aquí," then click the button labeled "Comienzo." To complete this interview by telephone with a professional interviewer, simply call the **BPS Help Desk at 1-800-334-2321.**

Study ID number = «caseid»


Password = «password»s

Please enter upper/lower case letters as they appear. If you are using a pop-up blocker, you will need to temporarily disable it before logging in to access the interview.

Participation in this study is voluntary and will not affect any aid or any benefits you receive. Your responses will be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose, except as required by law. If you have any questions about the study, you can visit the BPS website, or you can e-mail us at BPS@rti.org. If you have any questions about your rights as a study participant, you can call RTI's Office of Research Protection toll-free at 1-866-214-2043.

Thank you in advance for making the BPS study a success.

Sincerely,



Jennifer S. Wine, Ph.D.
BPS Project Director
Education Studies Division
RTI International



Tracy Hunt-White, Ph.D.
NCES Project Officer
National Center for Education Statistics
U.S. Department of Education

RTI USE ONLY: «panelinfo»

«Span_fill» «fname»,

A medida que continuamos con la recopilación de datos para el Estudio Longitudinal de Estudiantes que Comienzan Programas Postsecundarios (BPS), el Centro Nacional de Estadísticas sobre la Educación (NCES) en el Departamento de Ciencias de la Educación del Departamento de Educación de los Estados Unidos quiere asegurarse que todos los estudiantes seleccionados del año académico 2003-04, incluyendo los estudiantes que principalmente hablan español, estén bien representados en el estudio. Con el fin de lograr este objetivo, hemos creado una versión de la entrevista en español. Si completa la entrevista BPS, usted recibirá un cheque por \$«IncAmt» dólares como muestra de nuestro agradecimiento. La versión en español de la entrevista toma más o menos 10 minutos en completarse.

Para completar la entrevista en español en Internet, simplemente entre en nuestro sitio web seguro en <https://surveys.nces.ed.gov/BPS/> y use el número de identificación del estudio y la contraseña que se muestran en esta carta. Cuando la pantalla de la entrevista se abra, presione el botón que dice “Para español, presione aquí” y luego presione el botón que dice “Comienzo”. Para completar la entrevista por teléfono con un(a) entrevistador(a) profesional, simplemente llame gratis a la **Oficina de ayuda del estudio BPS al 1-800-334-2321**.

Número de identificación del estudio = «caseid»

Contraseña = «password»

Por favor, escriba las letras de la contraseña exactamente como se muestran aquí. Si está usando un bloqueador de ventanas emergentes (“pop-up blocker”), necesitará apagarlo temporalmente antes de conectarse para tener acceso a la entrevista.

La participación en este estudio es voluntaria y no afectará ninguna ayuda o ningún beneficio que usted reciba. Sus respuestas se usarán sólo con propósitos estadísticos y no serán divulgadas o utilizadas en ninguna forma que se le pueda identificar para cualquier otro propósito, excepto cuando lo requiera la ley. Si tiene alguna pregunta acerca del estudio, puede visitar el sitio web del estudio BPS o nos puede enviar un correo electrónico a BPS@rti.org. Si tiene alguna pregunta acerca de sus derechos como participante en el estudio, puede llamar a la Oficina de RTI para la Protección de Participantes en Estudios al 1-866-214-2043 (número gratuito).

Gracias de antemano por hacer del estudio BPS todo un éxito.

Parent Reminder Letter

November 29, 2011

«name»

Study ID: «caseid»

«CAddr1»

«CAddr2»

«CCitystzip»

Dear «name»:

We are trying to contact «fname» «lname» regarding the Beginning Postsecondary Students Longitudinal Study (BPS).

The BPS study follows the education, employment, and other experiences of individuals who first enrolled in college or other postsecondary education during the 2003-04 academic year. Results from this study are used to enable policymakers and researchers to better understand the costs and benefits of postsecondary education. This study is sponsored by the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences. BPS is being conducted under contract by RTI International, a nonprofit research organization based in North Carolina.

«fname» participated in the «study» and was informed at the end of the interview that there would be a follow-up study. We are contacting you because we have you listed as a contact for «fname». We would greatly appreciate your help with providing updated contact information for «fname» by calling us toll-free at 1-800-334-2321 or by e-mailing us at bps@rti.org.

«fname» can obtain the login information needed to complete the online interview or can complete the interview over the phone, by calling the BPS Help Desk toll-free at 1-800-334-2321. The online interview can be accessed by logging on to our secure website at <https://surveys.nces.ed.gov/bps/>.

«fname» will receive \$«inc_amt» as a token of our appreciation for completing the 2009 interview. The interview will take about 20 minutes to complete.

If you have any questions about BPS, please contact the BPS Project Director, Dr. Jennifer Wine, toll-free at 1-877-225-8470, jennifer@rti.org, or the NCES Project Officer, Dr. Tracy Hunt-White, at 1-202-502-7438, tracy.hunt-white@ed.gov. Publications and additional information about past BPS studies can be found at <http://www.nces.ed.gov/surveys/bps/>.

We greatly appreciate you supporting this important research.

Sincerely,



Jennifer S. Wine, Ph.D.
BPS Project Director
Education Studies Division
RTI International



Tracy Hunt-White, Ph.D.
NCES Project Officer
National Center for Education Statistics
U.S. Department of Education

«panelinfo»

Yellow Envelope Postcard



**BEGINNING POSTSECONDARY
STUDENTS
LONGITUDINAL STUDY**

REMINDER

Hello again «fname», this is a reminder that if you complete your BPS interview, you will receive \$«inc_amt» as a token of our appreciation.

The interview takes about 20 minutes to complete.

Go to
<https://surveys.nces.ed.gov/bps/>

Study ID: «caseid»

Password: «password»w

or call

1-800-334-2321

If you have completed your interview, **thank you!** We appreciate your help with this important study.

«panelinfo»

BPS is a survey about your experiences since your first year in college or vocational school. RTI International is conducting this study for the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences.

September Priority Mail Flyer

It's *FAST...* JUST 10 MINUTES!

Beginning Postsecondary Students Longitudinal Study



«fname»,
our data collection
ENDS SOON. Complete
the new **10-minute** BPS
interview and we'll send you
\$«inc_amt» as a token of
our appreciation.

GO TO
<https://surveys.nces.ed.gov/bps/>
Study ID: «caseid»
Password: «password»x

OR CALL
1-800-334-2321

«panelinfo»

Thank you for participating!

Beginning Postsecondary Students Longitudinal Study (BPS) is a survey about your experiences since your first year in college or vocational school. RTI International is conducting this study for the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences.



Final Fed Ex Letter

Dear «fname»,

I would like to invite you to complete your last interview for the Beginning Postsecondary Students Longitudinal Study (BPS) before we end data collection on October 11th. BPS is meant for people like you who have been to a college, community college, or trade school – it doesn't matter whether you are going to that school, or any school, now.

The BPS interview now takes only 10 minutes, or less. We will send you a check for \$«inc amb» to thank you for your time.

We want you to know that:

- Names and other identifying information are withheld from the BPS interview, which means no one can trace your answers back to you.
- You can skip any question you do not want to answer.
- This is the last interview we will ask you to do for BPS.
- You have a choice of how to do your interview – you can call us at 1-800-334-2321 for a telephone interview or log on to <https://surveys.nces.ed.gov/bps/> to do a web interview using the study ID and password provided below. *The password is case sensitive; you will need to enter it exactly as it appears here.*

Study ID: «caseid»

Password: «password»t

Thank you for considering my invitation. If you have any questions, feel free to call me at 1-877-225-8470.



Jennifer Wine
BPS Project Director

P. S. If you have not yet completed your BPS interview because you did not receive your incentive check for the last interview, please call me at 1-877-225-8470. We can still reimburse you for that interview.

Thank You Letter

November 29, 2011

«name»
«addr1»
«addr2»
«city_state» «zip»

Study ID number: «caseid»
«panelinfo»

Dear «name» :

On behalf of the National Center for Education Statistics (NCES) and the staff of the Beginning Postsecondary Students Longitudinal Study (BPS), I want to thank you for completing your recent BPS interview and for your ongoing participation in the BPS study.

Enclosed you will find a check for \$«IncAmt» as a token of our appreciation for completing the interview. Please do not hesitate to contact me directly at 1-877-225-8470 if I can provide any additional information or assistance.

This was the last BPS interview in the series, so your participation in BPS is now complete. Again, thank you for your time and willingness to participate. I wish you much success in your future endeavors.

Sincerely,



Jennifer S. Wine, Ph.D.
BPS Project Director
Education Studies Division
RTI International



Tracy Hunt-White, Ph.D.
NCES Project Officer
National Center for Education Statistics
U.S. Department of Education

Enclosure

Appendix G

Training Agendas for Transcript Data Collection

PETS:09 Transcript and Course Catalog Data Collection Institution Contactor Training Agenda

9:00 – 9:05	Introductions <ul style="list-style-type: none"> ▪ Project Team ▪ IC Team
9:05– 9:15	History of Dept of Ed/NCES Studies <ul style="list-style-type: none"> ▪ Overview of B&B (and NPSAS) ▪ Overview of BPS ▪ Overview of Transcripts
9:15 – 10:15	Institution Contacting Responsibilities Review <ul style="list-style-type: none"> ▪ Communication Plan ▪ Confidentiality Laws ▪ Catalog Collection ▪ Schedules/Appointments ▪ Gaining Cooperation/Avoiding Refusals ▪ Transcript Collection & Reimbursement
<i>10:15– 10:30</i>	<i>-BREAK-</i>
10:30 – 11:30	Mailout Materials and Overview of Contacts <ul style="list-style-type: none"> ▪ Transcript Request Mailout ▪ Transcript/Catalog Prompting
11:30 – 12:00	Understanding the Transcript and Catalog Data Collection <ul style="list-style-type: none"> ▪ FAQs
<i>12:00 – 1:00</i>	<i>-LUNCH-</i>
1:00 –1:15	Prompting for Catalogs <ul style="list-style-type: none"> ▪ Number collected to date ▪ Modes of submission: e-mail, FedEx, tell us where on website
1:15 –2:15	Institution Contacting System (ICS) Review <ul style="list-style-type: none"> ▪ Contacts screen ▪ Stages, Tasks, Comments ▪ Creating/sending a problem sheet ▪ Reports
2:15 –3:15	PETS Website <ul style="list-style-type: none"> ▪ Home page and menu bar ▪ Transcript Main Menu
<i>3:15–3:30</i>	<i>-BREAK-</i>
3:30 – 4:00	Review Script, Appendix A, Setting Statuses
4:00 – 4:30	Review/Oral Quiz of FAQs

Postsecondary Education Transcript Study (PETS:09)
Transcript and Course Catalog Keying and Coding
Training Agenda

Training Objective

Prepare trainees for keying and coding PETS transcripts with a minimum of 95% accuracy.

Day 1 - Overview

- *Provide overview of project and training*
- *Identify transcript elements*
- *Use school catalogs to locate course information*

Day 2 – Getting Started: The Big Picture

- *Relate transcript data to coding schema*
- *Introduce the application*

Day 3 – Drilling Down: Keying & Coding

- *Integrate keying and coding skills working in the application*
- *Demonstrate coding accuracy*

Day 4 – Continuous Improvement: Getting it Right

- *Practice keying and coding*
- *Use transcripts, course catalogs, PETS codes*

Day 5 – Practice and Practicum

- *Practice keying and coding*
- *Demonstrate keying and coding skills during Practicum*
- *Achieve a 95% success rate for all trainees*

Day 1 - Overview

- *Provide overview of project and training*
- *Identify transcript elements*
- *Use school catalogs to locate course information*

10:00-11:00 PROJECT OVERVIEW

10:00-10:20	Welcome/Introductions
10:20-10:40	Project Overview
10:40-11:00	Training Overview

11:00-12:00 TRANSCRIPT OVERVIEW

11:00-12:00	Understanding Transcripts
-------------	----------------------------------

12:00-1:00 -LUNCH-

1:00-4:45 TRANSCRIPTS AND CATALOGS

1:00-2:30	Practice with Transcripts
<i>2:30-2:45</i>	<i>-BREAK-</i>
2:45-4:30	Searching in Catalogs
4:30-5:00	Wrap-Up

Day 2 – Getting Started: The Big Picture

- *Relate transcript data to coding schema*
- *Introduce the application*

9:00-12:00 CODING INTRODUCTION

9:00-9:30	Recap
9:30-10:30	Introduction to 2-digit Schema
10:30-10:45	-BREAK-
10:45-12:00	Introducing the Application
12:00 – 1:00	-LUNCH-

1:00-4:45 KEYING OVERVIEW

1:00-2:30	Application Demo
2:30-2:45	-BREAK-
2:45-4:00	Application Demo
4:00-4:45	A Day in the Life of a Keyer/Coder
4:45-5:00	Wrap-Up

Day 3 – Drilling Down: Keying & Coding

- *Integrate keying and coding skills working in the application*
- *Demonstrate coding accuracy*

9:00-12:00 CODING SPECIFICS

9:00-9:30	Recap
9:30-10:30	4-Digit Families
10:30-10:45	-BREAK-
10:45-12:00	4-Digit Families
12:00 – 1:00	-LUNCH-

1:00-4:45 DEVELOPING/REFINING CODING SKILLS

1:00-1:30	Overview to 6-digit codes
1:30-3:00	Working with 6-digit codes
3:00-3:15	-BREAK-
3:15-4:45	Working with 6-digit codes
4:45-5:00	Wrap-Up

Day 4 – Continuous Improvement: Getting it Right

- *Practice keying and coding*
- *Use transcripts, course catalogs, PETS codes*

9:00-12:00 PRACTICE

9:00-9:30 Q/A

9:30-12:00 **Round Robin #1**

12:00 – 1:00 -LUNCH-

1:00-5:00 MORE PRACTICE

1:00-5:00 **Round Robin #2**

3:00-3:15 -BREAK-

Day 5 – Practice and Practicum

- *Practice keying and coding*
- *Demonstrate keying and coding skills during Practicum*
- *Achieve a 95% success rate for all trainees*

9:00-10:15 REVIEW AND PRACTICE

9:00-10:15 **Practice**

10:15-10:30 Break

10:30-12:00 PRACTICUM PART I

10:30-12:00 **Practicum Part I: Keying**

12:00 – 1:00 -LUNCH-

1:00-5:00 PRACTICUM PART II

1:00-3:00 **Practicum Part II: Coding**

3:00-5:00 **Verification of 95% accuracy**

Postsecondary Education Transcript Study (PETS:09)
Keyer-Coder Training on Coding Updates
Training Agenda

Training Objective

Acquaint PETS project staff with the new 2010 CIP Taxonomy.

Day 1 – Overview for CCS staff

- *Introduce PETS study*
- *Introduce relevant materials – transcripts, application, catalogs, codes.*
- *Introduce the CIP categories and structure*

Day 2 – Getting Started: Transcripts & Coding

- *Relate transcripts & catalogs to coding process*
- *Practice coding*
- *Review administrative responsibilities*

Day 3 – Continuous Improvement: Getting it Right

- *Review administrative responsibilities*
- *Practice coding with worksheet examples*
- *Practice coding in the application*

Day 1 - Overview

- *Introduce Be&B study*
- *Introduce relevant materials – transcripts, application, catalogs, codes.*
- *Introduce the CIP categories and structure*

9:00-9:30 PROJECT OVERVIEW

9:00-9:45 **Call Center Overview**
 Project Goals/Overview

9:45-12:00 TRANSCRIPT OVERVIEW

9:45-10:30 **Understanding Transcripts**

10:30-10:45 -BREAK-

11:00-12:00 **Finding Courses in Catalogs**

12:00-1:00 -LUNCH-

1:00-3:00 CODING OVERVIEW

1:00-3:00 **Introduction to Coding: 2-digit Categories**

3:00-3:15 -BREAK-

3:15-5:00 **Practice with 4-digit Families**

Day 2 – Getting Started: Transcripts & Coding

- *Relate transcripts & catalogs to coding process*
- *Practice coding*
- *Review administrative responsibilities*

9:00-12:00 CODING OVERVIEW

9:00-9:30 **Recap**

9:30-10:30 **Introduction to Major/Course Coding**

10:30-10:45 -BREAK-

10:45-12:00 **Coding Exercises**

12:00 – 1:00 -LUNCH-

1:00-5:00 PROJECT ADMIN RESPONSIBILITIES OVERVIEW

1:00-2:00 **Coding Exercises - continued**

2:00-5:00 **Keying and Coding System – Administrative End**

3:00-3:15 -BREAK-

Day 3 – Continuous Improvement: Getting it Right

- *Review administrative responsibilities*
- *Practice coding with worksheet examples*
- *Practice coding in the application*

9:00-12:00 ADMIN OVERVIEW

9:00-10:00 **Recap**

10:00-10:15 -BREAK-

10:15-12:00 **Working with the System/Practice Exercises**

12:00 – 1:00 -LUNCH-

1:00-5:00 DEVELOPING/REFINING CODING SKILLS

1:00-2:15 **Practice with 6-digit codes**

2:15-2:30 -BREAK-

2:30-5:00 **Working with 6-digit codes**

Appendix H

Notification Material for Transcript Data Collection

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NCES Request Letter

<date>

Dear Institutional Research Staff, Registrars and Officials:

«entity_name» has been selected to participate in the 2009 Postsecondary Education Transcript Study (PETS:09). This study is designed to collect transcript data for students participating in two longitudinal studies being conducted for the National Center for Education Statistics (NCES), U.S. Department of Education

- The 2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09); and
- The 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

The B&B:08/09 study collects information on recent baccalaureate recipients' education and employment following award of their bachelor's degrees. Students sampled for B&B:08/09 were first selected for participation as part of the 2007-08 National Postsecondary Student Aid Study (NPSAS:08). The BPS:04/09 study collects information on students' postsecondary experiences, work while enrolled, persistence in school, degree completion, and employment following enrollment. Sampled students for the BPS:04/09 study were selected from NPSAS:04.

As part of these studies, NCES is requesting undergraduate transcripts for B&B:08/09 and BPS:04/09 sample members who have attended your institution. As the BPS:04/09 study concludes, there may be additional sample members who report attending your institution; therefore, we may contact you again in about a year. Many secure options are available to you for providing transcript data. These options and instructions are included in this package.

Linking student transcript data, interview data and other administrative record information will result in a dataset that researchers can use to better understand the relationship between students' undergraduate education and their subsequent career paths and graduate/professional study. NCES publications from previous B&B and BPS studies are available at <http://nces.ed.gov/surveys/b&b/> and <http://nces.ed.gov/surveys/bps/>, respectively.

Transcript data will be collected under the provisions of the *Family Educational Rights and Privacy Act* (FERPA) that allow the release of student records to the Secretary of Education or his/her agent without prior written consent from students. The purposes of the study and the manner in which the transcript data will be acquired comply fully with FERPA requirements. We have included in this package the relevant passages of the legislation that authorize the transcript data collection.

Let me assure you that very stringent measures are in place to safeguard the confidentiality of participants (see enclosed "Disclosure Notice").

NCES has contracted with RTI International (RTI) to conduct B&B:08/09 and BPS:04/09. Your cooperation with RTI in these important studies is greatly appreciated. For further information or questions, please contact the RTI project director, Dr. Jennifer Wine, at (919) 541-6870 or jennifer@rti.org. You may also contact NCES Project Officers: Ted Socha at (202) 502-7383 for B&B:08/09 or Dr. Tracy Hunt-White at (202) 502-7438 for BPS:04/09.

Sincerely,

Tom Weko
Associate Commissioner
Postsecondary Studies Division
National Center for Education Statistics

Brochure

**FOR ASSISTANCE WITH PETS,
PLEASE CONTACT:**

PETS:09 Help Desk
1-877-256-8029 (toll-free)

If you have questions or concerns about PETS:09, you may contact the following:

RTI International
Tiffany Mattox
PETS:09 Project Coordinator
1-919-485-7791
PETS@rti.org

Dr. Jennifer Wine
Project Director, B&B:08/09 and BPS:04/09
1-919-541-6870
jennifer@rti.org

National Center for Education Statistics
Ted Socha
Project Officer, B&B:08/09
1-202-502-7383
Ted.socha@ed.gov

Dr. Tracy Hunt-White
Project Officer, BPS:04/09
1-202-502-7438
tracy.hunt-white@ed.gov

RTI International is a trade name of Research Triangle Institute

October 2008



Sponsored by
U.S. Department of Education
National Center for Education Statistics
Washington, DC
<http://nces.ed.gov>

POSTSECONDARY EDUCATION

PETS

TRANSCRIPT STUDY



PETS TRANSCRIPT COLLECTION PROCEDURES

All known institutions attended by PETS-eligible students will be contacted for the first time beginning in fall 2008. The PETS:09 website (<https://surveys.nces.ed.gov/PETS/>) will serve as a secure mechanism for the exchange of information between institutions and RTI. To initiate the transcript submission process, institutions are being asked to complete an information page about term systems and grading scales and may be asked to provide course catalogues not available through other public sources. New students may be added to an institution's transcript request list if new enrollment is reported during interviewing in 2009.

Institutions can submit transcripts for their students using any of several methods (in order of preference): uploading to the PETS:09 website, e-mailing the transcripts as an encrypted attachment, sending by secure File Transfer Protocol (sFTP), or faxing to a secure fax machine. Instructions are provided in the packets sent institutions, and the PETS:09 Help Desk will respond to any questions or problems (1-877-256-8029; PETS@rti.org).

Once received, transcripts will be data-entered, and fields of study and courses will be coded using a dictionary developed from the NCES Classification of Instructional Programs (CIP)¹ and the College Course Map (CCM).² Descriptive reports based on the B&B:08/09 and BPS:04/09 data will be released in summer 2011. Other reports and additional information about the studies can be found on their respective websites: <http://nces.ed.gov/surveys/b&b/> and <http://nces.ed.gov/surveys/bps/>.

¹U.S. Department of Education, National Center for Education Statistics. (2002). *Classification of Instructional Programs: 2000 Edition* (NCES 2002-165). Washington, DC: U.S. Government Printing Office.

²Adelman, C. (1995). *The New College Course Map and Transcript Files*. U.S. Department of Education. Washington, DC: National Institute on Postsecondary Education, Libraries, and Lifelong Learning.

NCES POSTSECONDARY LONGITUDINAL STUDIES

As part of its mandate, the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences conducts the National Postsecondary Student Aid Study (NPSAS), a cross-sectional study designed to better understand how students and their families pay for postsecondary education and to describe the demographic and other key characteristics of students enrolled at all levels of postsecondary education in a specific academic year. NPSAS serves as the base-year study for two longitudinal follow-up studies:

- the Baccalaureate and Beyond Longitudinal Study (B&B), which collects data on a cohort of students as they complete the bachelor's degree and transition into employment or seek further education; and
- the Beginning Postsecondary Students Longitudinal Study (BPS), which collects data on a cohort of students as they begin their postsecondary education, then follows their educational and employment choices and outcomes over time.

These studies collect data that allow for policy-relevant analysis of students' educational experiences and activities as they enter and persist through college and beyond.

In addition to student interviews and matching to administrative records, the current iterations of these longitudinal studies, B&B:08/09 and BPS:04/09, will collect students' postsecondary transcripts, creating a richer and more complete picture of their educational experiences and outcomes. This combined effort, the 2009 Postsecondary Education Transcript Study (PETS:09), will collect transcripts of approximately 45,000 students at more than 3,000 institutions.

PETS:09 is sponsored by NCES and is being conducted under contract by RTI International, a nonprofit research organization based in North Carolina.

B&B RESEARCH TOPICS	BPS RESEARCH TOPICS
<p>Although similar in design, B&B and BPS examine postsecondary persistence, progress, and degree attainment from distinct perspectives.</p> <p>2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09)</p> <p>The B&B:08 cohort consists of students who completed requirements for the bachelor's degree during the 2007-08 academic year. In addition to the base-year interviews conducted in 2008, eligible sample members will be interviewed again in 2009 and in 2012. Research topics to be explored using the B&B data include the following:</p> <ul style="list-style-type: none">• the relationship between college graduates' coursetaking while in college and their subsequent paths through graduate school or into the labor market;• the educational debt burden of college graduates; and• the pool of baccalaureate degree recipients who have prepared for and entered into elementary and secondary school teaching. <p>Since B&B:08/09 focuses on bachelor's degrees completed during the 2007-08 academic year, B&B transcript collection will target all academic years leading up to the bachelor's degree, including transfer credit from institutions other than that which awarded the respondent's degree.</p>	<p>2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09)</p> <p>The BPS:04 cohort consists of students who began postsecondary education for the first time during the 2003-04 academic year. BPS follows students who first enrolled in every type of postsecondary institution, including vocational schools, community/junior colleges, and 4-year colleges and universities. This study follows the cohort members regardless of whether or not they completed a postsecondary degree or certificate program. Research topics to be explored using the BPS data include the following:</p> <ul style="list-style-type: none">• annual rates of retention and degree or certificate completion at the first institution attended;• student transfer rates, including when and where students transfer, and degree completion following transfer; and• differences in retention, transfer, and completion rates by type of institution, program, attendance status, and student characteristics. <p>Because students in the BPS:04 cohort began their postsecondary education during the 2003-04 academic year, BPS transcripts will cover only the intervening academic years, up to and including 2008-09.</p>

POSTSECONDARY EDUCATION

PETS

TRANSCRIPT STUDY

CONFIDENTIALITY

The 2008/09 Baccalaureate and Beyond Longitudinal Study, the 2004/09 Beginning Postsecondary Students Longitudinal Study, and the 2009 Postsecondary Education Transcript Study are being conducted under the authority of the Education Sciences Reform Act of 2002 (ESRA) (Public Law 107-279). Under ESRA, NCES is authorized to collect and disseminate information about education in the United States. Collection is most often done through surveys. NCES is required to follow strict procedures to protect the confidentiality of persons in the collection, reporting, and publication of data and adheres to the guidelines issued by the Office of Management and Budget in the Federal Statistical Confidentiality Order of 1997 for ensuring the privacy and confidentiality of data collected for statistical purposes.

The Family Educational Rights and Privacy Act of 1974 (FERPA) (20 U.S.C. 1232g) allows for the release of institution record information to the Secretary of Education or her agent without prior consent of survey members (20 U.S.C. 1232g[b][3]). RTI International, as the contractor for NCES, has been given the authority to collect information from institution records under federal law.

All responses that relate to or describe identifiable characteristics of individuals may be used only for statistical purposes and may not be disclosed or used in identifiable form for any other purpose, unless otherwise compelled by law.

Protection of Electronic Files

All electronic files from institution records and student interviews will be carefully protected. Computer accounts used to access data will be password protected with multilevel controls to ensure that only those individuals with a need to access confidential information are able

to do so. For the web-based data collection, proven methods of protection for online sessions and data security will be used, and data transmitted over the Internet will be encrypted using Secure Sockets Layer (SSL) protocol. All data entry modules on the study website will be password protected, which will require the user to log in to the site before accessing confidential data. To prevent unauthorized user access, the system will automatically log the user out after 30 minutes of inactivity.

Protection of Paper Records

All paper records will be maintained in locked storage cabinets. A unique study identification variable (not the Social Security number or school ID) will be created and maintained for each survey participant to protect against disclosure of confidential data.

Preparation of Data For Public Release

All data released to the general public (for example, statistical tables) will be designed so that it will not be possible to identify specific individuals.

Violations

All personnel with access to individual data will be required to sign a confidentiality agreement and an affidavit of nondisclosure. Anyone who violates ESRA's confidentiality provisions when using the data will be found guilty of a Class E felony and may be imprisoned for up to 5 years and/or fined up to \$250,000.

RTI Request Letter

{date}

{contact_fname} {contact_lname}
{inst_name}
{inst_addr1}
{inst_addr2}
{inst_city}, {inst_st} {inst_zip}

Dear {contact_salute} {contact_lname}:

We greatly appreciate your cooperation in the 2009 Postsecondary Education Transcript Study. As Tom Weko, Associate Commissioner for the Postsecondary Studies Division of the National Center for Education Statistics, indicates in the enclosed letter, this study is designed to collect transcript data for the following students:

- Recent baccalaureate recipients sampled for the 2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09); and
- Students sampled for the 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Authorized by federal law (P.L. 103-382), the B&B:08/09 data will provide researchers, educators, and policymakers with critical information about the role that an undergraduate education plays in the short- and long-term outcomes of bachelor's degree recipients, while the BPS:04/09 data will help them better understand what percentage of beginning students complete their degree programs; the financial, family, and school related factors that prevent students from completing their programs; and what can be done to help students complete their schooling.

I am writing to request transcripts for {sch_num} sample member{s} who attended your institution. To facilitate our coding of your institution's transcripts, it would be helpful to also receive a mapping of your institution's degree programs and courses to the Classification of Instructional Programs, if such a mapping exists. Included with this package are detailed instructions for preparing and transmitting transcript data to RTI. A list of students for whom transcripts are requested is posted, with their student ID numbers and dates of birth, at the secure study website listed in the box below. To gain access to the site, you will need to log in using the username and password printed at the bottom of this letter. Also available at the website are instructions for obtaining reimbursement for the requested transcripts, should your institution require it. We would appreciate receiving the requested transcript data on or before {DUE DATE}. Please do not hesitate to call me if you feel you need to have a later delivery date.

Thank you in advance for your timely participation in this important effort. Please feel free to contact me for additional information. You can reach me by telephone at (919) 541-6870 or e-mail at jennifer@rti.org.

Sincerely,

Jennifer Wine, Ph.D.
B&B:08/09 and BPS:04/09 Project Director

Please visit the study website for more information:

<https://surveys.nces.ed.gov/pets/>

To log in, enter the IPEDS UNITID below as your username
and enter the password below.

Your IPEDS UNITID: «entity_id»

Your password: «password»

AACRAO Endorsement Letter

American Association of Collegiate Registrars and Admissions Officers



One Dupont Circle, NW, Suite 520 / Washington, DC 20036-1135
(202) 293-9161 Main / (202) 872-8857 Fax
www.aacrao.org

Dear Colleague:

I am writing to ask for your assistance with the 2009 Postsecondary Education Transcript Study (PETS:09). PETS:09 seeks transcript data from postsecondary institutions to supplement student interview data collected for two important longitudinal studies that are endorsed by AACRAO.

The 2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09) collects data on a cohort of students as they complete their bachelor's degree requirements and then follows their educational and employment experiences over time. The 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09) collects data on a cohort of students as they begin their postsecondary education and then follows their educational and employment outcomes over time. These studies are conducted by RTI International for the National Center for Education Statistics (NCES) in the U.S. Department of Education's Institute of Education Sciences. PETS:09 transcript data will be combined with data from student interviews, other institution records, and administrative databases to provide a total picture of these two cohorts. The enclosed materials describe the uses of the data.

Transcript data are being collected under the provisions of the *Family Educational Rights and Privacy Act* (FERPA) that allow the release of student records to the Secretary of Education or his/her agent without prior written consent from students. Both the purposes of the study and the manner in which the transcript data will be acquired comply fully with FERPA requirements.

Your cooperation and assistance in providing transcripts to RTI in a timely manner will be greatly appreciated.

Sincerely,

Jerome H. Sullivan
Executive Director

List of Endorsements

American Association of Collegiate Registrars and Admissions Officers
American Association of Community Colleges
American Association of State Colleges and Universities
American Council on Education
Association for Institutional Research
Association of Allied Schools of Health Professions
Association of American Colleges and Universities
Association of Catholic Colleges and Universities
Career College Association
The Carnegie Foundation for the Advancement of Teaching
Council of Independent Colleges
Hispanic Association of Colleges and Universities
National Accrediting Commission of Cosmetology Arts and Sciences
National Association for Equal Opportunity in Higher Education
National Association of State Universities and Land Grant Colleges
State Higher Education Executive Officers
United Negro College Fund

Instructions for Sending Data



Instructions for Sending Data

There are 5 primary steps for providing data. You will need to access the secure study website at <https://surveys.nces.ed.gov/pets>. Log in using the username and password printed at the bottom of the letter you received from RTI.

NOTE: You will need your username and password each time you log in to the website.

1 Complete the Institution Information page

On this page, you will need to provide or confirm selected information about your institution including GPA scale and grading system. This page is accessible from the Main Menu.

2 Complete the Transcript Data Transmission page

Each student's name, student ID number (if known), and date of birth will be listed on the transmission page. Please check the box next to each student whose transcript you are sending and select the mode of submission. If you are unable to provide a transcript, please enter the reason in the space provided—for example, "No record of student's attendance" or "Transcript cannot be located." Please print and retain a copy for your records.

NOTE: You must complete the Transcript Data Transmission webpage prior to sending transcript data, so that we may verify receipt of all transcript data submitted. Once you have sent the transcript data, click Submit. This page is accessible from the Main Menu.

3 Transmit Transcript Data

A number of options are available for transmitting transcript data to RTI. Each is described below.

Uploading to the Secure Study Website: Uploading electronic transcript data directly to the secure website, preferably in XML or EDI format that conforms to the PESC standard, is the preferred method for sending transcript data. If your transcript data are not in one of these formats, we ask that you or a programmer from your institution convert them to a format that we can process using the file specifications available from the link entitled "Upload transcript data in CSV or fixed-width format" on the Transcript Data Transmission page available from the Main Menu. However, if you are unable to reformat the transcript data to match the file specifications, we will accept them in their existing electronic format. *NOTE: The XML formatted transcript should adhere to the PESC XML standard format for college transcript, version 1.0.0. The EDI formatted transcript should adhere to the PESC EDI standard format for Student Educational Record (Transcript).*

Sending Transcript Data as an Encrypted Attachment by Electronic Mail: If you choose to use electronic mail (e-mail) to submit student transcript data, the attachment containing the data will need to be encrypted, using software such as SecureZIP (select the option Use FIPS 140 Mode), to ensure they are transmitted securely. SecureZIP can be downloaded free of charge

from the website: <http://www.securezip.com>. Detailed instructions for downloading and using SecureZIP can be accessed from the link "E-mail transcript data as an encrypted attachment." If you choose to use encryption software other than SecureZIP, please contact the Help Desk to ensure that the software complies with our security standards.

Once the attachment is encrypted, send to pets@rti.org and include the file names and descriptions. If you need assistance with this process, please contact the Help Desk toll-free at 1-877-256-8029 or via e-mail at pets@rti.org.

Sending Transcript Data by Secure File Transfer Protocol (sFTP): If you choose to submit transcript data using the sFTP site, please contact the Help Desk to obtain the sFTP site location and your username and password. The Help Desk may be reached toll-free at 1-877-256-8029 or via e-mail at pets@rti.org. Additional instructions on how to perform the data transfer via sFTP may be accessed from the link "Send transcript data by secure File Transfer Protocol (sFTP)." After you have successfully uploaded your files to the sFTP server, please send an e-mail to pets@rti.org with the names of the files and their structure.

Sending Transcript Data via eSCRIP-SAFE™: If you are a registered eSCRIP-SAFE™ sender and wish to use eSCRIP-SAFE™ to send your transcripts, please select RTI International, U.S. Department of Education Longitudinal Studies as the transcript recipient.

Faxing Hard Copy Transcripts: If your institution is unable to provide the transcript data electronically via any of the methods previously mentioned, you may fax transcripts to our secure fax machine at 1-866-354-7066. First, fax the Student Transcript Fax Test Page included in your institution packet, with your name, telephone number, and fax number, to ensure that the transfer is working correctly. We will then confirm that we successfully received the test page. The confirmation is typically a return fax, but in some instances it is a phone call. If you do not receive confirmation within 15 minutes, please contact the fax help line at 1-866-662-8174. Once you receive confirmation, fax the completed Student Transcript Fax Transmittal Sheet along with the transcripts. If you do not have the fax test page or transmittal sheet, you may print a copy from the link "Fax hard copy transcripts."

Once you have sent the transcript data, click Submit on the Transcript Data Transmission page.

4 Provide CIP Code Mappings

Once transcript data are received, the individual courses and degree programs reported in the transcript data will be coded using a common classification system, the National Center for Education Statistics' (NCES) Classification of Instructional Programs (CIP). The mapping(s) can be transmitted to RTI by uploading to the secure study website or sending via e-mail to pets@rti.org. If you choose to upload the mappings, please select "Upload CIP code mappings" from the Main Menu.

5 Provide Requested Course Catalogs

If we need a course catalog from your institution, there will be a Catalog Transmittal Sheet in your packet. It includes a list of the catalogs requested and instructions for sending them to RTI. If you do not find a Catalog Transmittal Sheet in your packet, then no catalogs are needed from your institution at this time.

Catalog Transmittal Sheet

«School_ID»

IPEDS ID#: «School_ID»

Name of Sender: _____

Date: _____

Telephone number: _____

In order to properly code the transcript data we will receive for your students, we need to obtain a copy of your institution's course catalogs, bulletins, or other materials that describe the course offerings for each academic year listed below.

<cat_yr_needed> <level>

<cat_yr_needed> <level>

<cat_yr_needed> <level>

<cat_yr_needed> <level>

Instructions:

If the catalog(s) exist electronically, please send an e-mail to pets@rti.org and either direct us to the catalog(s) online or send the catalog(s) as an attachment. If you need to send hard copy catalogs, please place check marks in the appropriate columns below to indicate the types of course catalogs you are sending for each year. Please do not send catalogs for which "not needed" appears. Please keep a copy of this completed sheet for your records and send the original to RTI with the catalogs using the FedEx materials provided.

Academic Year	Type of catalog provided (<i>please place checks or comments as appropriate</i>)			
	Institution-wide/general	Undergraduate	Graduate	Other school/program (<i>please specify</i>)
2003-2004				
2004-2005				
2005-2006				
2006-2007				
2007-2008				
2008-2009				
Other year				

Student Transcript Fax Test Page

«School_ID»

IPEDS ID#: «School_ID»

Name of Sender: _____

Date: _____

Telephone number: _____

Fax number: _____

Instructions:

Please fax this document to 1-866-354-7066 as a test page.

You will receive a confirmation that we received your fax. Once you have our confirmation, please fax the completed Student Transcript Fax Transmittal Sheet that you received in your packet and your students' transcripts to the same number.

If you need assistance, please contact our Fax Helpline at 1-866-662-8174.

Student Transcript Fax Transmittal Sheet

****WARNING:** This transmission contains confidential information. Please exercise appropriate security. ******

«School_ID»

IPEDS ID#: «School_ID»

Name of Sender: _____

Date: _____

Telephone number: _____

Fax number: _____

Number of pages: _____

Number of sampled students: «school_name»

Number of students whose transcripts you are sending: _____

Number of transcripts you are sending (there could be multiple per student): _____

Instructions:

Be sure that you have faxed the Student Transcript Fax Test Page and been contacted to confirm its receipt before sending this page or the transcripts.

If a student transferred to your institution from another institution, please also send copies of any transcripts that you have from other institutions (unless that information is already included on the transcript from your institution).

Once you have filled out the top of this document, please fax it and student transcripts to 1-866-354-7066.

If you need assistance, please contact our Fax Helpline at 1-866-662-8174.

FERPA Excerpt

Family Educational Rights and Privacy Act Regulations

34 CFR Part 99

Subpart A—General

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AUTHORITY: 20 U.S.C. 1232g unless otherwise noted.

PART 99 – FAMILY EDUCATIONAL RIGHTS AND PRIVACY

The authority citation for part continues to read as follows:

AUTHORITY: 20 U.S.C. 1232g, unless otherwise noted.

Subpart A—General

§ 99.1 To which educational agencies or institutions do these regulations apply?

(a) Except as otherwise noted in § 99.10, this part applies to an educational agency or institution to which funds have been made available under any program administered by the Secretary, if—

(1) The educational institution provides educational services or instruction, or both, to students; or

(2) The educational agency is authorized to direct and control public elementary secondary, or postsecondary educational institutions.

(b) This part does not apply to an educational agency or institution solely because students attending that agency or institution receive non-monetary benefits under a program referenced in paragraph (a) of this section, if no funds under that program are made available to the agency or institution.

on the contested information in the record or stating why he or she disagrees with the decision of the agency or institution, or both.

(c) If an educational agency or institution places a statement in the education records of a student under paragraph (b)(2) of this section, the agency or institution shall:

(1) Maintain the statement with the contested part of the record for as long as the record is maintained; and

(2) Disclose the statement whenever it discloses the portion of the record to which the statement relates.

(Authority: 20 U.S.C 1232g(a)(2))

§99.22 What minimum requirements exist for the conduct of a hearing?

The hearing require by § 99.21 must meet, at a minimum, the following requirements:

(a) The educational agency or institution shall hold the hearing within a reasonable time after it has received the request for the hearing from the parent or eligible student.

(b) The educational agency or institution shall give the parent or eligible student notice of the date, time, and place, reasonably in advance of the hearing.

(c) the hearing may be conducted by any individual, including an official of the educational agency or institution, who does not have a direct interest in the outcome of the hearing.

(d) The educational agency or institution shall give the parent or eligible student a full and fair opportunity to present evidence relevant of the issues raised under § 99.21. The parent or eligible student may, at their own expense, be assisted or represented by one or more individuals of his or her own choice, including an attorney.

(e) The educational agency or institution shall make its decision in writing within a reasonable period of time after the hearing.

(f) The decision must be based solely on the evidence presented at the hearing, and must include a summary of the evidence and the reasons for the decision.

(Authority: 20 U.S.C 1232g(a)(2))

Subpart D—May an Educational Agency or Institution Disclose Personally Identifiable Information From Education Records?

§ 99.30 Under what conditions is prior consent required to disclose information?

(a) The parent or eligible student shall provide a signed and dated written consent before an educational agency or institution discloses personally identifiable information from the student's education records, except as provided in § 99.31.

(b) The written consent must:

(1) Specify the records that may be disclosed;

(2) State the purpose of the disclosure; and

(3) Identify the party or class of parties to whom the disclosure may be made.

(c) When a disclosure is made under paragraph

(a) of this section:

(1) If a parent or eligible student so requests, the educational agency or institution shall provide him or her with a copy of the records disclosed; and

(2) If the parent of a student who is not an

eligible student to requests, the agency or institution shall provide the student with a copy of the records disclosed.

(Authority: 20 U.S.C 1232g (b)(1) and (b)(2)(A))

§ 99.31 Under what conditions is prior consent not required to disclose information?

(a) An educational agency or institution may disclose personally identifiable information from an education record of a student without the consent required by § 99.30 if the disclosure meets one or more of the following conditions:

(1) The disclosure is to other school officials, including teachers, within the agency or institution who the agency or institution has determined to have legitimate educational interests.

(2) The disclosure is, subject to the requirements of § 99.34, to officials of another school, school system, or institution of postsecondary education where the student seeks or intends to enroll.

(3) The disclosure is, subject to the requirements of § 99.35, to authorized representatives of—

(i) The comptroller General of the United States;

(ii) The Attorney General of the United States;

(iii) The Secretary; or

(iv) State and local educational authorities.

(4)(i) The disclosure is in connection with financial aid for which the student has applied or which the student has received, if the information is necessary for such purposes as to:

(A) Determine eligibility for the aid;

(B) Determine the amount of the aid;

(C) Determine the conditions for the aid; or

(D) Enforce the terms and conditions of the aid.

(ii) As used in paragraph (a)(4)(i) of this section, “financial aid” means a payment of funds provided to an individual (or a payment in kind of tangible or intangible property to the individual) that is conditioned on the individual’s attendance at an educational agency or institution.

(Authority: 20 U.S.C 1232g(b)(1)(D))

(5)(i) The disclosure is to State and local official or authorities to whom this information is specifically—

(A) Allowed to be reported or disclosed pursuant to a State statute adopted before November 19, 1974, if the allowed reporting or disclosure concerns the juvenile justice system and the system’s ability to effectively serve the student whose records are released; or

(B) Allowed to be reported or disclosed pursuant to a State statute adopted after November 19, 1974, subject to the requirements of § 99.38.

(ii) Paragraph (a)(5)(1) of this section does not prevent a State from further limiting number or type of State or local officials to whom disclosure may be made under that paragraph.

(6)(i) The disclosure is to organizations conducting studies for, or on behalf of, educational agencies or institutions to:

(A) Develop, validate, or administer predictive tests;

(B) Administer student aid programs; or

(C) Improve instruction.

(iii) The agency or institution may disclose in

formation under paragraph (a)(6)(i) of this section if:

(A) The study is conducted in a manner that does not permit personal identification of parents and students by individuals other than representatives of the organization; and

(B) The information is destroyed when no longer needed for the purposes for which the study was conducted.

(iii) If this Office determines that a third party outside the educational agency or institution to whom information is disclosed under this paragraph (a)(6) violates paragraph (a)(6)(ii)(B) of this section, the educational agency or institution may not allow that third party access to personally identifiable information from education records for at least five years.

(iv) For the purposes of paragraph (a)(6) of this section, the term “organization” includes, but is not limited to, Federal, State, and local agencies, and independent organizations.

(7) The disclosure is to accrediting organization to carry out their accrediting functions.

(8) The disclosure is to parents, as defined in § 99.3, of a dependent student, as defined in section 152 of the Internal Revenue Code of 1986.

(9)(i) The disclosure is to comply with a judicial order or lawfully issued subpoena.

(ii) The educational agency or institution may disclose information under paragraph (a)(9)(i) of this section only if the agency or institution makes a reasonable effort to notify the parent or eligible student of the order or subpoena in advance of compliance, so that the parent or eligible student may seek protective action, unless the disclosure is in compliance with—

(A) A Federal grand jury subpoena and the court has order that the existence or the contents of the subpoena or the information furnished in response of the subpoena not be disclosed; or

(B) Any other subpoena issued for a law enforcement purpose and the court or other issuing agency has ordered that the existence or the contents of the subpoena or the information furnished in the response to the subpoena not be disclosed.

(iii)(A) If an educational agency or institution initiates legal action against a parent or student, the educational agency or institution may disclose to the court, without a court order or subpoena, the education records of the student that are relevant for the educational agency or institution to proceed with the legal action as plaintiff.

(B) If a parent or eligible student initiates legal action against an educational agency or institution, the educational agency or institution may disclose to the court, without a court order or subpoena, the student’s education records that are relevant for the educational agency or institution to defend itself.

(10) The disclosure is in connection with a health or safety emergency, under the conditions described in § 99.36.

(11) The disclosure is information the educational agency or institution has designated as “directory information,” under the condition described in § 99.37.

(12) The disclosure is to the parent of a student who is not an eligible student or to the student.

(13) The disclosure, subject to the requirements in § 99.39, is to a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense. the disclosure may only include the final results of the disciplinary proceeding conducted by the institution of postsecondary education with respect to that alleged crime or offense. The institution may disclose the final results of the disciplinary proceeding, regardless of whether the institution concluded a violation was committed.

(14)(i) The disclosure, subject to the requirements in § 99.39, is in connection with a disciplinary proceeding at an institution of

postsecondary education. The institution must not disclose the final results of the disciplinary proceeding unless it determines that—

(A) The student is an alleged perpetrator of a crime of violence or non-forcible sex offense: and

(B) With respect to the allegation made against him or her, the student has committed a violation of the institution's rules or policies.

(ii) The institution may not disclose the name of any other student, including a victim or witness, without the prior written consent of the other student.

(iii) This section applies only to the disciplinary proceedings in which the final results were reached on or after October 7, 1998.

(15)(i) The disclosure is to a parent of a student at an institution of postsecondary education regarding the student's violation of any Federal, State, or local law, or of any rule or policy of the institution, governing the use or possession of alcohol or a controlled substance if—

(A) The institution determines that the student has committed a disciplinary violation with respect to that use or possession; and

(B) The student is under the age of 21 at the time of the disclosure to the parent.

(iii) Paragraph (a)(15) of this section does not supersede any provision of State law that prohibits an institution of postsecondary education from disclosing information.

(b) Paragraph (a) of this section does not forbid an educational agency or institution from disclosing, nor does it require an educational agency or institution to disclose, personally identifiable information from the education records of a student to any parties under paragraphs (a)(1) through (11), (13), (14), and (15) of this section.

(Authority: 20 U.S.C 1232g(a)(5)(A), (b)(1), (b)(2)(B), (b)(6), (h) and (i))

§ 99.32 What recordkeeping requirements exist concerning requests and disclosures?

(a)(1) An educational agency or institution shall maintain a record of each request for access to and each disclosure of personally identifiable information from the education records of each student.

(2) The agency or institution shall maintain the record with the education records of the student as long as the records are maintained.

(3) For each request or disclosure the record must include:

(i) The parties who have requested or received personally identifiable information from the education records; and

(ii) The legitimate interests the parties had in requesting or obtaining the information.

(b) If an educational agency or institution discloses personally identifiable information from an education record with the understanding authorized under § 99.33(b), the record of the disclosure required under this section must include:

(1) The names of the additional parties to which the receiving party may disclose the information on behalf of the educational agency or institution; and

(2) The legitimate interests under § 99.31 which each of the additional parties has in requesting or obtaining the information.

(c) The following parties may inspect the record relating to each student:

(1) The parent or eligible student.

(2) The school official or his or her assistants who are responsible for the custody of the records.

(3) Those parties authorized in § 99.31(a)(1) and (3) for the purposes of auditing the recordkeeping procedures of the educational agency or institution.

(d) Paragraph (a) of this section does not apply if the request was from, or the disclosure was to:

(1) The parent or eligible student;

(2) A school official under § 99.31 (a)(1);

(3) A party with written consent from the parent or eligible student;

(4) A party seeking directory information; or

(5) A party seeking or receiving the records as directed by a Federal grand jury or other law enforcement subpoena and the issuing court or other issuing agency has ordered that the existence or the contents of the subpoena or the information furnished in response to the subpoena not be disclosed.

(Approved by the Office of Management and Budget under control number 1880-0508)

(Authority: 20 U.S.C 1232g(b)(1) and (b)(4)(A))

§ 99.33 What limitations apply to the redisclosure of information?

(a)(1) An educational agency or institution may disclose personally identifiable information from an education record only on the condition that the party to whom the information is disclosed will not disclose the information to any other party without the prior consent of the parent or eligible student.

(2) The officers, employees, and agents of a party that receives information under paragraph (a)(1) of this section may use the information, but only for the purposes for which the disclosure was made.

(b) Paragraph (a) of this section does not prevent an educational agency or institution from disclosing personally identifiable information with the understanding that the party receiving the information may make further disclosure of the information on behalf of the educational agency or institution if:

(1) The disclosures meet the requirements of § 99.31; and

(2) The educational agency or institution has complied with the requirements of § 99.32(b).

(c) Paragraph (a) of this section does not apply to disclosures made to parents of dependent students under § 99.31(a)(8), to disclosures made pursuant to court orders, lawfully issued subpoenas, or litigation under § 99.31(a)(9), to disclosures of directory information under § 99.31(a)(11), to disclosures made to a parent or student under § 99.31(a) (12), to disclosures made in connection with a disciplinary proceedings under § 99.31(a) (14), or to disclosures made to parents under § 99.31(a)(15).

(d) Excerpt for disclosures under § 99.31(a) (9), (11) and (12), and educational agency or institution shall inform a party to whom disclosure is made of the requirements of this section.

(e) If this Office determines that a third party improperly rediscloses personally identifiable information from education records in violation of § 99.33(a) of this section, the educational agency or institution may not allow that third party access to personally identifiable information from education records for at least five years.

(Authority: 20 U.S.C 1232g(b)(4)(B))

§ 99.34 What conditions apply to disclosure of information to other educational agencies or institutions?

(a) An educational agency or institution that discloses an education record under § 99.31(a)(2) shall:

(1) Make a reasonable attempt to notify the parent or eligible student at the last known address of the parent or eligible student, unless:

(i) The disclosure is initiated by the parent or eligible student; or

(ii) The annual notification of the agency or institution under § 99.7 includes a notice that the agency or institution forwards education records to other agencies or institutions that have requested the records and in which the student seeks or intends to enroll:

(2) Give the parent or eligible student, upon request, a copy of the record that was disclosed; and

(3) Give the parent or eligible student, upon request, an opportunity for a hearing under Subpart C.

(b) An educational agency or institution may disclose an education record of a student in attendance to another educational agency or institution if:

(1) The student is enrolled in or receives services from the other agency or institution; and

(2) The disclosure meets the requirements of paragraph (a) of this section.

(Authority: 20 U.S.C 1232g(b)(1)(B))

§ 99.35 What conditions apply to disclosure of information for Federal or State program purposes?

(a) The officials listed in § 99.31(a)(3) may have access to education records in connection with an audit or evaluation of Federal or State supported education programs, or for the enforcement of or compliance with Federal legal requirements which relate to those programs.

(b) Information that is collected under paragraph (a) of this section must:

(1) Be protected in a manner that does not permit personal identification of individuals by anyone except the officials referred to in paragraph (a) of this section; and

(2) Be destroyed when no longer needed for the purposes listed in paragraph (a) of this section.

(c) Paragraph (b) of this section does not apply if:

(1) The parent or eligible student has given written consent for the disclosure under § 99.30; or

(2) The collection of personally identifiable information is specifically authorized by Federal law.

(Authority: 20 U.S.C 1232g(b)(3))

§ 99.36 What conditions apply to disclosure of information in health and safety emergencies?

(a) An educational agency or institution may disclose personally identifiable information from an education record to appropriate parties in connection with an emergency if knowledge of the information is necessary to protect the health or safety of the student or other individuals.

(b) Nothing in the Act or this part shall prevent an educational agency or institution from—

(1) Including in the education records of a student appropriate information

Disclosure Notice

The transcript data for this student have been provided to RTI International, a not-for-profit research organization and agent for the National Center for Education Statistics, U.S. Department of Education. This disclosure statement fulfills the requirements of 34 CFR 99.32(a) pursuant to the *Family Educational Rights and Privacy Act* (FERPA) (20 U.S.C. 1232g).

The transcript data were requested for the 2008/09 Baccalaureate and Beyond Longitudinal Study (B&B:08/09) or the 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09). Data from these records will be combined with others into statistical summaries and tables and may not be used in identifiable form for any purpose unless otherwise compelled by law (Education Sciences Reform Act of 2002, Section 183).

The collection of information in this study is authorized by the Education Sciences Reform Act of 2002, Public Law 107-279. Participation is voluntary. Information will be protected from disclosure by federal statute (20 USC 9003a-9007, as amended).

B&B:08/09

BPS:04/09

OMB # 1850-0729

OMB # 1850-0631

Expiration Date: 02/28/2011

Expiration Date: 04/30/2011

Appendix I

Data Elements for Keying and Coding System

Data Elements for Keying and Coding System

School Info

- Calendar system
- GPA scale
- Grading system
- Quality points

Case Info

- First name
- Middle name
- Last name
- Former last name
- Address 1
- Address 2
- City
- State/province
- Country (if not USA)
- Zip code
- H.S. graduation date (month)
- H.S. graduation date (year)

Schools/Terms

- School entry
 - Name
 - City
 - State
 - Unknown school
- School Info
 - First enrolled (month)
 - First enrolled (year)
 - Cumulative GPA
 - Transfer credits attempted
 - Transfer credits accepted
 - Transfer credits for GPA
 - Did the student take a state basic skills test?

- Terms (info)
 - Attended
 - Term name
 - Start date (month)
 - Start date (year)
 - End date (month)
 - End date (year)

Academics

- Honors
- Probations

Tests

- Date taken (month)
- Date taken (year)
- Exam
- Scores (may be subdivided, e.g., verbal, math, writing)

Degrees/Majors

- Program
- Degree name
- Bach. Type
- Grad honors
- Degree received
- Date rec'd (month)
- Date rec'd (year)
- Honors program participant
- Professional certificate or licensure earned
- Major 1
- Major 1 CIP
- Major 1 uncodable reason
- Major 2
- Major 2 CIP
- Major 2 uncodable reason
- Minor 1
- Minor 1 CIP
- Minor 1 uncodable reason
- Minor 2
- Minor 2 CIP
- Minor 2 uncodable reason
- Concentration
- Concentration uncodable reason

Courses

- | | |
|--|--|
| <ul style="list-style-type: none">• Course Info<ul style="list-style-type: none">○ Course ID○ Course Name○ CIP○ Uncodable reason○ Needs review○ Repeated○ Does NOT count toward GPA○ Honors○ Credits measured by: credit hours/clock hours○ Earned (credits)○ Start date (month) | <ul style="list-style-type: none">○ Start date (year)○ End data (month)○ End date (year)○ Grade○ Grade (num)○ Other grade○ Grade/quality points○ Select attribute○ Select credit• School Summary<ul style="list-style-type: none">○ Earned credits○ Grade points○ GPA○ Clock hours completed |
|--|--|

Appendix J

Item Response Rates and Imputation Results

Table J-1. Item response rates and nonresponse rates for items collected in the BPS:04/09 interview: 2009

Variable	Description	Sample size	Item response rate	Item non-response rate
AFFORD09	Afford school without working	10,050	78.57	21.43
CARAMT09	Monthly car payment amount	8,060	57.46	42.54
CARLN09	Have loan or lease payments for car	16,680	79.22	20.78
CLTY09A	Type of class: arts and humanities	1,060	70.15	29.85
CLTY09B	Type of class: business and marketing	1,060	70.15	29.85
CLTY09C	Type of class: career and technical education	1,060	70.15	29.85
CLTY09D	Type of class: communications	1,060	70.15	29.85
CLTY09E	Type of class: computer science	1,060	70.15	29.85
CLTY09F	Type of class: education	1,060	70.15	29.85
CLTY09G	Type of class: engineering and engineering technology	1,060	70.15	29.85
CLTY09H	Type of class: healthcare	1,060	70.15	29.85
CLTY09I	Type of class: natural sciences and mathematics	1,060	70.15	29.85
CLTY09J	Type of class: social sciences	1,060	70.15	29.85
CLTY09X	Type of class: other	1,060	70.15	29.85
COMHRS09	Number of hours volunteered per month	6,830	48.85	51.15
COMONE09	One time volunteer event	7,930	55.44	44.56
COMSRV09	Community service/volunteer in last 12 months	16,680	79.31	20.69
CRDANY09	Have credit cards	16,680	79.37	20.63
CRDBAL09	Balance due on all credit cards	6,330	63.54	36.46
CRDPAY09	Pay off or carry credit balance	12,130	71.21	28.79
DEPANY09	Has dependent children	16,680	84.34	15.66
DEPNUM09	Number of dependent children	16,680	84.33	15.67
DEPYNG09	Age of youngest dependent child	7,040	49.17	50.83
DGEVR09	Highest education level ever expected	16,680	78.89	21.11
DISMOB09	Disability: mobility impairment	16,680	79.24	20.76
DISOTH09	Disability: other disability	16,680	79.10	20.90
DISSEN09	Disability: sensory impairment	16,680	79.79	20.21
EMPL09	Loan influenced employment plans	6,810	64.71	35.29
EMPL09A	Loan influenced employment plans: had to work more hours	4,180	43.18	56.82
EMPL09B	Loan influenced employment plans: had to work more than one job	4,180	43.18	56.82
EMPL09C	Loan influenced employment plans: took job outside field	4,180	43.18	56.82
EMPL09D	Loan influenced employment plans: took less desirable job	4,180	43.18	56.82
EMPL09X	Loan influenced employment plans: other reason	4,180	43.18	56.82
EMPTY09	Type of employer	10,050	78.55	21.45
GPA09	Estimate of GPA	11,980	80.58	19.42
GRCRED09	Earned credit for non-degree postbaccalaureate courses	1,590	36.94	63.06
GRDEG09	Enrolled in degree/certificate program since earning bachelor's degree	6,300	83.03	16.97
GRENR09	Current attendance in graduate school	16,680	89.76	10.24
GREXP09	Expect to enroll in postbaccalaureate program before July 2009	4,570	67.21	32.79
GRNDEG09	Enrolled in non-degree coursework since earning bachelor's	6,300	83.12	16.88
HHCP09A	Household composition: children or dependents	16,680	79.27	20.73
HHCP09B	Household composition: live alone	16,680	79.27	20.73
HHCP09C	Household composition: parents or in-laws	16,680	79.27	20.73
HHCP09D	Household composition: spouse or domestic partner	16,680	79.27	20.73

See notes at end of table.

Table J-1. Item response rates and nonresponse rates for items collected in the BPS:04/09 interview: 2009—Continued

Variable	Description	Sample size	Item response rate	Item non-response rate
HHCP09X	Household composition: other	16,680	79.27	20.73
HOUSE09	Own home or pay rent	14,790	77.96	22.04
HRSWK09	Hours worked per week when last enrolled	10,050	77.49	22.51
INCRES09	Employment: total earnings	9,980	66.34	33.66
INCSPS08	Spouse's earnings from all sources in 2008	6,380	42.11	57.89
JBEN09A	Employer offers benefits: life insurance	9,670	68.72	31.28
JBEN09B	Employer offers benefits: medical insurance	9,670	68.72	31.28
JBEN09C	Employer offers benefits: retirement benefits	9,670	68.72	31.28
JOB CAR09	Consider current job start of career	9,980	69.69	30.31
JOBD09A	Job description: allows freedom for other interests	5,050	43.18	56.82
JOBD09B	Job description: pays the bills	5,050	43.18	56.82
JOBD09C	Job description: provides benefits	5,050	43.18	56.82
JOBD09D	Job description: provides experience for future	5,050	43.18	56.82
JOBD09X	Job description: other	5,050	43.18	56.82
JOBDIF09	Difficulty in doing job without undergraduate coursework	9,980	69.83	30.17
JOBEMP09	Type of employer	9,980	69.35	30.65
JOB FST09	First job since last enrolled	7,200	57.75	42.25
JOBHRS09	Hours worked per week	9,980	69.64	30.36
JOBIND09	Job 2009: type of industry	9,980	69.51	30.49
JOBLCG09	License required for current job: general code	4,270	32.22	67.78
JOBLCH09	Already hold license or certification	4,270	32.22	67.78
JOBLCS09	License required for current job: specific code	3,940	26.05	73.95
JOBMON09	Total number of months in same or similar job	9,980	65.58	34.42
JOBOCC09	Job 2009: type of occupation	9,980	69.55	30.45
JOBPS09	Job search assistance from school placement office	7,320	57.39	42.61
JOBR09A	Job responsibilities: hiring or firing decisions	9,670	68.65	31.35
JOBR09B	Job responsibilities: set salaries	9,670	68.65	31.35
JOBR09C	Job responsibilities: supervise others	9,670	68.65	31.35
JOBR CR09	Job related to undergraduate coursework	6,430	47.34	52.66
JOBRCT09	Employer required: vocational or technical certificate	9,980	69.83	30.17
JOBRDG09	Employer required: 2-year or 4-year college degree	9,980	69.83	30.17
JOBR LC09	Employer required: industry certification or license	9,980	69.83	30.17
JOBR LM09	Job related to undergraduate major	6,650	53.24	46.76
JOBS09A	Job satisfaction: fringe benefits	9,670	68.16	31.84
JOBS09B	Job satisfaction: importance and challenge	9,670	68.43	31.57
JOBS09C	Job satisfaction: job security	9,670	68.28	31.72
JOBS09D	Job satisfaction: opportunities for future training and education	9,670	68.51	31.49
JOBS09E	Job satisfaction: opportunities for promotion	9,670	68.39	31.61
JOBS09F	Job satisfaction: opportunities to use education	9,670	68.47	31.53
JOBS09G	Job satisfaction: overall	9,670	68.50	31.50
JOBS09H	Job satisfaction: pay	9,670	68.56	31.44
JOBSBE09	Same or similar job before enrolled	9,980	69.92	30.08
JOBST09	Currently employed	11,770	74.70	25.30
JOBSWE09	Same or similar job while enrolled	9,980	69.82	30.18
JOBUG09	Undergraduate education helped advance career	9,980	69.72	30.28
LNDWI09	Loan debt worthwhile investment	10,160	77.13	22.87
LNHELP09	Anyone helping to repay loans	6,190	54.89	45.11

See notes at end of table.

Table J-1. Item response rates and nonresponse rates for items collected in the BPS:04/09 interview: 2009—Continued

Variable	Description	Sample size	Item response rate	Item non-response rate
LNIEP09	Loan influenced enrollment plans	6,050	68.58	31.42
LNIN09A	Influence of student loans on enrollment: chose more affordable school	3,870	50.32	49.68
LNIN09B	Influence of student loans on enrollment: enrolled during summer	3,870	50.32	49.68
LNIN09C	Influence of student loans on enrollment: enrolled sooner	3,870	50.32	49.68
LNIN09D	Influence of student loans on enrollment: increased/decreased classes	3,870	50.32	49.68
LNIN09E	Influence of student loans on enrollment: postponed enrollment	3,870	50.32	49.68
LNIN09F	Influence of student loans on enrollment: took terms off	3,870	50.32	49.68
LNIN09X	Influence of student loans on enrollment: other reason	3,870	50.32	49.68
LNTY09A	Type of undergraduate loan: federal	10,160	77.03	22.97
LNTY09B	Type of undergraduate loan: private	10,160	77.03	22.97
LNTY09C	Type of undergraduate loan: other	10,160	77.03	22.97
LOCALR09	Residence while enrolled	11,980	82.16	17.84
LOCJOB09	Job on or off campus	10,050	78.71	21.29
MAJ09CHG	Frequency of formal major changes	10,920	84.68	15.32
MAJ09DBL	Earned a double major with degree	6,070	83.31	16.69
MNREA09	Job while enrolled 2009: Main reason for working	10,050	78.60	21.40
MTGAMT09	Monthly rent or mortgage payment amount	11,510	68.07	31.93
NUMJOB09	Number of jobs during last term of enrollment	11,980	82.37	17.63
PARDIE09	Parents deceased	11,980	82.10	17.90
PRSP09A	Help from parents: no financial support	11,980	82.10	17.90
PRSP09B	Help from parents: other educational/living expenses	11,980	82.10	17.90
PRSP09C	Help from parents: tuition and fees	11,980	82.10	17.90
RELCRS09	Job related to coursework	930	55.34	44.66
RELMJ09	Job related to major	9,110	81.76	18.24
RPYAMT09	Monthly payment on undergraduate loans	6,190	62.78	37.22
RPYSL09	Currently repaying any undergraduate loans	9,110	75.76	24.24
RSNLSA	Purpose (last school) 2009: earn a degree	3,460	75.43	24.57
RSNLSB	Purpose (last school) 2009: earn credits	3,460	75.43	24.57
RSNLSC	Purpose (last school) 2009: gain job skills	3,460	75.43	24.57
RSNLSD	Purpose (last school) 2009: personal interest	3,460	75.43	24.57
RSNLSE	Purpose (last school) 2009: transfer to 4 yr	3,460	75.43	24.57
RSNLSX	Purpose (last school) 2009: other reason	3,460	75.43	24.57
RSPL09A	Reason for taking out private loan: deferment of loan repayment	5,230	55.57	44.43
RSPL09B	Reason for taking out private loan: did not qualify for other aid	5,230	55.57	44.43
RSPL09C	Reason for taking out private loan: issued directly to student	5,230	55.57	44.43
RSPL09D	Reason for taking out private loan: needed more money	5,230	55.57	44.43
RSPL09E	Reason for taking out private loan: private loan application easy	5,230	55.57	44.43
RSPL09X	Reason for taking out private loan: other reason	5,230	55.57	44.43
SATMAJ09	Satisfaction with choice of major	16,680	87.01	12.99
SATUG09	Satisfaction with quality of undergraduate education	16,680	86.94	13.06
SEROLE09	Primary role while working	10,050	78.43	21.57
SMAR09	Current marital status	16,680	77.59	22.41
SPNM08	Not married to spouse in 2008	6,510	43.08	56.92
SPSBOR09	Spouse's total student loan amount	4,440	19.26	80.74
SPSED09	Spouse's highest education level	6,510	46.89	53.11
SPSLN09	Spouse has student loans	6,340	45.33	54.67
SPSLNR09	Spouse's monthly student loan payment: not yet in repayment	4,240	15.95	84.05

See notes at end of table.

Table J-1. Item response rates and nonresponse rates for items collected in the BPS:04/09 interview: 2009—Continued

Variable	Description	Sample size	Item response rate	Item non-response rate
SPSOWE09	Amount of spouse's loans still owed	4,440	19.65	80.35
SPSRPY09	Spouse's monthly student loan payment	3,940	11.26	88.74
TEACH09	Plan on teaching K-12	16,680	79.19	20.81
TRCRAC09	School accepted transfer credits	6,190	65.94	34.06
TRCREV09	Attempted transfer credits to school	11,420	81.64	18.36
UGEWC09	Undergraduate education worth the cost	16,680	86.92	13.08
UGLV09	Undergraduate level during most recent term	4,060	28.28	71.72
UNEMCP09	Receiving unemployment compensation	3,930	29.29	70.71
UNEMPD09	Date of last employment	4,160	26.61	73.39
UNEMPG09	Ever unemployed at least three months since undergraduate graduation	11,570	74.29	25.71
UNEMPL09	Currently looking for a job	4,490	37.91	62.09
UNEMPN09	Number of times unemployment has lasted more than three months	5,010	43.34	56.66
UNEMPT09	Longest period of unemployment in months	5,010	43.32	56.68
UNEMPX09	No employment after undergraduate enrollment	4,380	38.26	61.74
UNTAX09	Received untaxed benefits in 2008	16,680	79.32	20.68
VLT09A	Volunteer type: fundraising (political or non-political)	7,930	56.15	43.85
VLT09B	Volunteer type: health services	7,930	56.15	43.85
VLT09C	Volunteer: homeless shelter or soup kitchen	7,930	56.15	43.85
VLT09D	Volunteer type: neighborhood improvement	7,930	56.15	43.85
VLT09E	Volunteer type: other work with kids	7,930	56.15	43.85
VLT09F	Volunteer type: service to the church	7,930	56.15	43.85
VLT09G	Volunteer type: nonprofit organizations	7,930	56.15	43.85
VLT09H	Volunteer type: service to the community	7,930	56.15	43.85
VLT09I	Volunteer type: tutoring or education-related	7,930	56.15	43.85
VLT09X	Volunteer type: other	7,930	56.15	43.85
VLTR09B	Start volunteering because of school-related activity	7,930	23.39	76.61
VOTE09	Vote in last presidential election	14,560	78.18	21.82
VOTERG09	Registered to vote	16,070	80.15	19.85
VOTEVE09	Ever voted in a U.S. election	16,070	92.51	7.49
WRKST09	Work-study job	10,050	78.65	21.35

NOTE: Detail may not sum to totals because of rounding. The sample size column contains the number of cases who may have been eligible to respond to the item, including BPS:04/09 interview respondents who were study respondents. For items that are within a gate question, the sample size includes cases who did not respond to the gate question. The item response rates and nonresponse rates were computed using the BPS:04/09 study weight. The response rate is computed as the number of cases who responded to the item and did not have a legitimate skip for the item divided by the number of cases who did not have a legitimate skip for the item.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table J-2. Mean values of continuous variables before and after imputation, BPS:04/09: 2009

Variable	Description	Mean before imputation	Mean after imputation	Difference	Percent relative difference
CARAMT09	Monthly car payment amount	357.67	359.55	-1.89	-0.52
COMHRS09	Number of hours volunteered per month	4.61	4.61	0.00	0.05
CRDBAL09	Balance due on all credit cards	4,361.55	4,415.34	-53.79	-1.22
DEPNUM09	Number of dependent children	0.73	0.65	0.09*	13.29
DEPYNG09	Age of youngest dependent child	5.49	5.48	0.00	0.08
GPA09	Estimate of GPA	2.50	2.50	-0.01	-0.26
HRSWK09	Hours worked per week when last enrolled	27.63	27.99	-0.36*	-1.28
INCRES09	Employment: total earnings	32,279.01	32,246.18	32.84	0.10
JOBHRS09	Hours worked per week	39.88	39.87	0.01	0.03
JOBMON09	Total number of months in same or similar job	34.00	36.03	-2.03*	-5.63
MTGAMT09	Monthly rent or mortgage payment amount	705.38	719.01	-13.63*	-1.90
NUMJOB09	Number of jobs during last term of enrollment	1.04	1.03	0.01*	1.10
RPYAMT09	Monthly payment on undergraduate loans	197.91	183.25	14.66*	8.00
SPSBOR09	Spouse's total student loan amount	20,805.82	19,180.01	1,625.82*	8.48
SPSOWE09	Amount of spouse's loans still owed	14,495.21	13,994.30	500.91	3.58
SPSRPY09	Spouse's monthly student loan payment	206.00	197.93	8.06	4.07
UNEMPN09	Number of times unemployment has lasted more than three months	1.65	1.66	0.00	-0.20
UNEMPT09	Longest period of unemployment in months	9.12	9.37	-0.25	-2.65

* $p < .05$.

NOTE: Means were computed using the BPS:04/09 study weight. Cases with legitimate skips for the item are not included in the estimated means. The difference is computed as the mean before imputation minus the mean after imputation.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table J-3. Distributions of categorical variables before and after imputation, BPS:04/09: 2009

Variable	Description	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
AFFORD09	Afford school without working	0	60.10	60.28	-0.18	-0.29
		1	39.90	39.72	0.18	0.44
CARLN09	Have loan or lease payments for car	0	62.21	62.27	-0.06	-0.10
		1	37.79	37.73	0.06	0.16
CLTY09A	Type of class: arts and humanities	0	71.05	70.82	0.24	0.34
		1	28.95	29.18	-0.24	-0.82
CLTY09B	Type of class: business and marketing	0	80.22	81.10	-0.88	-1.09
		1	19.78	18.90	0.88	4.67
CLTY09C	Type of class: career and technical education	0	92.30	91.39	0.91	1.00
		1	7.70	8.61	-0.91	-10.56
CLTY09D	Type of class: communications	0	89.48	89.59	-0.12	-0.13
		1	10.52	10.41	0.12	1.12
CLTY09E	Type of class: computer science	0	86.70	87.81	-1.10	-1.25
		1	13.30	12.19	1.10	9.03
CLTY09F	Type of class: education	0	88.59	88.28	0.31	0.35
		1	11.41	11.72	-0.31	-2.64
CLTY09G	Type of class: engineering and engineering technology	0	96.76	96.88	-0.12	-0.13
		1	3.24	3.12	0.12	3.91
CLTY09H	Type of class: healthcare	0	84.66	83.99	0.67	0.79
		1	15.34	16.01	-0.67	-4.17
CLTY09I	Type of class: natural sciences and mathematics	0	71.49	72.61	-1.11	-1.54
		1	28.51	27.39	1.11	4.07
CLTY09J	Type of class: social sciences	0	79.64	79.68	-0.05	-0.06
		1	20.36	20.32	0.05	0.22
CLTY09X	Type of class: other	0	64.06	62.74	1.32	2.10
		1	35.94	37.26	-1.32	-3.54
COMONE09	One time volunteer event	0	92.43	92.36	0.07	0.07
		1	7.57	7.64	-0.07	-0.87
COMSRV09	Community service/volunteer in last 12 months	0	66.46	66.84	-0.38	-0.57
		1	33.54	33.16	0.38	1.15
CRDANY09	Have credit cards	0	35.03	35.80	-0.76*	-2.13
		1	64.97	64.20	0.76*	1.19
CRDPAY09	Pay off or carry credit balance	1	49.09	48.06	1.03*	2.15
		2	50.91	51.95	-1.03*	-1.99

See notes at end of table.

**Table J-3. Distributions of categorical variables before and after imputation, BPS:04/09: 2009—
Continued**

Variable	Description	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
DEPANY09	Has dependent children	0	62.76	66.44	-3.69*	-5.55
		1	37.24	33.56	3.69*	10.99
DGEVR09	Highest education level ever expected	0	6.02	6.12	-0.10	-1.65
		1	7.46	7.42	0.04	0.59
		2	11.44	11.52	-0.08	-0.73
		3	28.89	29.53	-0.64*	-2.17
		4	1.11	1.08	0.03	3.00
		5	30.71	30.50	0.21	0.69
		6	0.97	0.85	0.12*	14.57
		7	5.46	5.28	0.19	3.51
DISMOB09	Disability: mobility impairment	0	96.16	96.25	-0.09	-0.09
		1	3.84	3.75	0.09	2.28
DISOTH09	Disability: other disability	0	90.64	90.56	0.07	0.08
		1	9.36	9.44	-0.07	-0.76
DISSEN09	Disability: sensory impairment	0	96.33	96.87	-0.55*	-0.56
		1	3.68	3.13	0.55*	17.47
EMPL09	Loan influenced employment plans	0	58.26	59.65	-1.39*	-2.33
		1	41.74	40.35	1.39*	3.44
EMPL09A	Loan influenced employment plans: had to work more hours	0	67.18	68.47	-1.29	-1.89
		1	32.82	31.53	1.29	4.10
EMPL09B	Loan influenced employment plans: had to work more than one job	0	78.88	79.66	-0.78	-0.98
		1	21.12	20.34	0.78	3.85
EMPL09C	Loan influenced employment plans: took job outside field	0	63.78	64.42	-0.64	-1.00
		1	36.22	35.58	0.64	1.81
EMPL09D	Loan influenced employment plans: took less desirable job	0	63.78	63.73	0.05	0.08
		1	36.22	36.27	-0.05	-0.14
EMPL09X	Loan influenced employment plans: other reason	0	60.92	59.91	1.01	1.69
		1	39.08	40.09	-1.01	-2.52
EMPTY09	Type of employer	1	18.60	17.97	0.62*	3.47
		2	50.21	50.78	-0.57	-1.13
		3	8.99	9.00	-0.01	-0.16
		4	5.93	5.92	0.01	0.17
		5	0.94	0.92	0.02	1.86
		6	3.23	3.46	-0.24	-6.82
		7	12.12	11.94	0.17	1.45
GRCRED09	Earned credit for non-degree postbaccalaureate courses	0	50.49	52.97	-2.48*	-4.68
		1	49.51	47.03	2.48*	5.27

See notes at end of table.

Table J-3. Distributions of categorical variables before and after imputation, BPS:04/09: 2009—Continued

Variable	Description	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
GRDEG09	Enrolled in degree/certificate program since earning bachelor's degree	0	69.00	72.40	-3.40*	-4.70
		1	31.00	27.60	3.40*	12.32
GREN09	Current attendance in graduate school	0	92.00	92.75	-0.74*	-0.80
		1	8.00	7.26	0.74*	10.22
GREXP09	Expect to enroll in postbaccalaureate program before July 2009	0	91.34	91.03	0.31	0.35
		1	8.66	8.97	-0.31	-3.50
GRNDEG09	Enrolled in non-degree coursework since earning bachelor's	0	88.09	88.24	-0.15	-0.17
		1	11.91	11.76	0.15	1.29
HHCP09A	Household composition: children or dependents	0	77.06	77.07	0.00	-0.01
		1	22.94	22.93	0.00	0.02
HHCP09B	Household composition: live alone	0	84.78	84.59	0.19	0.23
		1	15.22	15.41	-0.19	-1.25
HHCP09C	Household composition: parents or in-laws	0	73.36	73.17	0.19	0.25
		1	26.64	26.83	-0.19	-0.69
HHCP09D	Household composition: spouse or domestic partner	0	65.94	65.69	0.25	0.39
		1	34.06	34.31	-0.25	-0.74
HHCP09X	Household composition: other	0	77.82	78.37	-0.54*	-0.69
		1	22.18	21.64	0.54*	2.50
HOUSE09	Own home or pay rent	0	34.52	34.14	0.38	1.11
		1	19.71	19.81	-0.10	-0.50
		2	45.77	46.05	-0.28	-0.61
INCSPS08	Spouse's earnings from all sources in 2008	1	8.66	8.96	-0.30	-3.35
		2	0.99	1.11	-0.12	-10.65
		3	1.11	0.90	0.21*	23.24
		4	2.00	1.69	0.31*	18.16
		5	5.47	5.66	-0.18	-3.27
		6	6.66	6.71	-0.05	-0.72
		7	8.77	8.87	-0.09	-1.04
		8	18.70	18.83	-0.13	-0.68
		9	28.35	28.68	-0.33	-1.15
		10	19.27	18.59	0.69	3.69
JBEN09A	Employer offers benefits: life insurance	0	38.51	38.96	-0.46	-1.18
		1	61.49	61.04	0.46	0.75
JBEN09B	Employer offers benefits: medical insurance	0	20.91	21.53	-0.63	-2.91
		1	79.09	78.47	0.63	0.80
JBEN09C	Employer offers benefits: retirement benefits	0	30.07	30.47	-0.40	-1.31
		1	69.93	69.53	0.40	0.57

See notes at end of table.

**Table J-3. Distributions of categorical variables before and after imputation, BPS:04/09: 2009—
Continued**

Variable	Description	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
JOBCAR09	Consider current job start of career	0	33.75	34.73	-0.98	-2.82
		1	54.12	53.47	0.65	1.21
		2	12.13	11.80	0.33	2.79
JOB09A	Job description: allows freedom for other interests	0	73.37	73.77	-0.41	-0.55
		1	26.63	26.23	0.41	1.55
JOB09B	Job description: pays the bills	0	15.39	15.55	-0.16	-1.04
		1	84.61	84.45	0.16	0.19
JOB09C	Job description: provides benefits	0	72.69	73.17	-0.47	-0.65
		1	27.31	26.83	0.47	1.76
JOB09D	Job description: provides experience for future	0	75.76	76.47	-0.72	-0.94
		1	24.24	23.53	0.72	3.04
JOB09X	Job description: other	0	81.32	81.09	0.23	0.28
		1	18.68	18.91	-0.23	-1.21
JOB09F	Difficulty in doing job without undergraduate coursework	0	61.56	62.78	-1.22*	-1.94
		1	38.44	37.22	1.22*	3.28
JOBEMP09	Type of employer	1	0.07	0.08	-0.01	-10.03
		2	63.42	63.33	0.10	0.15
		3	11.83	11.75	0.08	0.69
		4	12.42	12.60	-0.18	-1.41
		5	1.29	1.31	-0.02	-1.62
		6	4.49	4.41	0.09	1.97
		7	6.47	6.53	-0.06	-0.88
JOB09S	First job since last enrolled	0	52.69	51.71	0.98	1.90
		1	47.31	48.29	-0.98	-2.03
JOBIND09	Job 2009: type of industry	0	9.62	9.82	-0.20	-2.04
		1	0.89	0.97	-0.08	-8.24
		2	0.66	0.70	-0.04	-5.63
		3	1.20	1.17	0.03	3.00
		4	4.10	3.98	0.12	2.94
		5	4.03	3.98	0.05	1.33
		6	0.66	0.66	0.00	-0.71
		7	10.28	10.53	-0.24	-2.32
		8	2.05	1.87	0.18	9.62
		9	2.92	2.74	0.18	6.61
		10	5.60	5.64	-0.04	-0.77
		11	1.29	1.34	-0.05	-3.87
		12	4.29	4.04	0.25	6.29
		13	0.36	0.38	-0.02	-5.45
		14	5.35	5.14	0.21	4.00
		15	15.76	15.96	-0.20	-1.27
		16	2.38	2.48	-0.11	-4.35

See notes at end of table.

Table J-3. Distributions of categorical variables before and after imputation, BPS:04/09: 2009—Continued

Variable	Description	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
JOBIND09	Job 2009: type of industry—Continued	17	7.65	7.58	0.07	0.98
		18	2.06	1.96	0.10	5.27
		19	14.23	14.65	-0.42	-2.89
		20	1.13	1.10	0.03	2.89
		21	0.32	0.24	0.08*	34.50
		22	1.68	1.50	0.18	11.68
		23	1.51	1.58	-0.07	-4.60
JOBLCG09	License required for current job: general code	1	1.14	1.22	-0.08	-6.76
		2	0.46	0.54	-0.09	-16.05
		3	0.58	0.48	0.11	22.04
		4	1.51	1.87	-0.36	-19.04
		5	0.09	0.15	-0.07	-43.90
		6	2.57	3.81	-1.24*	-32.50
		7	0.39	0.56	-0.18	-31.45
		8	13.82	13.95	-0.13	-0.93
		9	1.55	1.69	-0.14	-8.26
		10	33.38	31.97	1.41	4.42
		11	3.25	2.94	0.31	10.53
		12	0.98	0.87	0.11	13.01
		13	7.87	7.33	0.54	7.42
		14	2.63	2.50	0.13	5.22
		15	1.14	1.07	0.07	6.36
		16	2.34	2.07	0.27	12.86
		17	3.80	3.80	0.00	-0.01
		18	0.51	0.53	-0.02	-3.75
		19	4.48	4.32	0.17	3.88
		20	0.13	0.12	0.01	8.29
		99	17.38	18.21	-0.83	-4.57
JOBLCCH09	Already hold license or certification	0	9.22	9.62	-0.40	-4.15
		1	90.78	90.38	0.40	0.44
JOBLCSS09	License required for current job: specific code	1	1.28	1.21	0.06	5.30
		4	0.16	0.16	-0.01	-5.36
		5	0.13	0.16	-0.03	-21.35
		6	0.24	0.23	0.00	0.40
		8	0.11	0.08	0.03	36.26
		9	0.21	0.52	-0.31	-59.30
		11	0.57	0.77	-0.20	-26.06
		12	1.28	1.25	0.03	2.09
		13	0.11	0.35	-0.24	-69.05
		14	0.44	0.38	0.06	15.53
		16	0.08	0.25	-0.17	-67.96
		17	0.04	0.07	-0.03	-46.20
		18	0.40	0.56	-0.15	-27.76
		19	0.56	1.06	-0.50	-47.07
		20	0.48	0.35	0.13	36.26
		21	2.00	2.66	-0.66	-24.85
		22	0.36	0.33	0.03	8.79

See notes at end of table.

**Table J-3. Distributions of categorical variables before and after imputation, BPS:04/09: 2009—
Continued**

Variable	Description	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
JOBLC09	License required for current job: specific code—Continued	24	0.16	0.21	-0.06	-26.54
		25	14.25	14.94	-0.69	-4.62
		26	2.87	2.49	0.37	14.99
		27	0.89	0.77	0.12	16.25
		28	0.21	0.23	-0.03	-10.78
		29	0.05	0.04	0.01	36.26
		30	0.48	0.57	-0.09	-16.47
		31	1.09	0.97	0.12	12.71
		32	0.46	0.43	0.02	5.70
		33	1.39	1.35	0.04	2.63
		34	1.08	1.15	-0.07	-6.00
		35	1.53	1.25	0.28*	22.59
		36	0.29	0.21	0.08	36.26
		37	0.02	0.02	0.01	36.26
		39	12.45	11.00	1.45*	13.17
		40	5.02	5.52	-0.50	-8.99
		42	1.36	1.57	-0.21	-13.45
		43	1.86	1.87	0.00	-0.21
		44	2.93	2.81	0.12	4.28
		47	0.15	0.11	0.04	36.26
		48	16.34	15.47	0.87	5.63
		49	4.19	4.04	0.14	3.58
		52	0.06	0.13	-0.07	-55.51
		53	0.11	0.08	0.03	36.26
		55	8.15	7.44	0.71	9.56
		56	0.00	0.00	0.00*	36.26
		57	0.57	0.46	0.11	23.03
		58	1.16	1.09	0.07	6.63
		59	0.65	0.71	-0.06	-8.39
		60	1.18	1.04	0.14	13.03
		61	2.35	2.36	-0.01	-0.43
		63	2.20	2.51	-0.31	-12.39
		64	0.34	0.35	-0.01	-3.76
		65	0.13	0.16	-0.03	-18.94
		66	0.09	0.07	0.02	36.26
		68	4.67	5.36	-0.68	-12.74
		69	0.16	0.12	0.04	36.26
		72	0.02	0.01	0.01	36.26
		73	0.16	0.16	0.00	-0.10
		74	0.50	0.52	-0.01	-2.57
JOB0CC09	Job 2009: type of occupation	1	8.80	8.90	-0.11	-1.20
		2	5.33	5.12	0.21	4.02
		3	2.99	3.14	-0.16	-4.97
		4	3.10	3.01	0.09	3.13
		5	2.03	1.89	0.14	7.57
		6	2.45	2.58	-0.13	-5.17
		7	0.70	0.75	-0.04	-5.86
		8	8.09	8.03	0.06	0.80
		9	3.23	3.12	0.11	3.47

See notes at end of table.

Table J-3. Distributions of categorical variables before and after imputation, BPS:04/09: 2009—Continued

Variable	Description	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
JOBOCC09	Job 2009: type of occupation—Continued	10	6.49	6.64	-0.15	-2.26
		11	5.16	4.84	0.32	6.68
		12	2.38	2.38	0.00	-0.02
		13	6.09	6.16	-0.07	-1.18
		14	0.88	0.85	0.03	3.06
		15	4.53	4.35	0.18	4.18
		16	9.61	9.93	-0.32	-3.22
		17	14.27	14.40	-0.13	-0.91
		18	0.46	0.45	0.02	4.07
		19	2.41	2.42	-0.01	-0.41
		20	3.39	3.43	-0.05	-1.34
		21	3.88	3.89	-0.01	-0.32
		22	2.82	2.76	0.07	2.42
		23	0.90	0.95	-0.05	-5.24
JOBPS09	Job search assistance from school placement office	0	89.77	90.12	-0.35	-0.39
		1	10.23	9.88	0.35	3.53
JOBR09A	Job responsibilities: hiring or firing decisions	0	83.70	83.83	-0.12	-0.15
		1	16.30	16.17	0.12	0.77
JOBR09B	Job responsibilities: set salaries	0	93.42	93.53	-0.11	-0.11
		1	6.58	6.47	0.11	1.66
JOBR09C	Job responsibilities: supervise others	0	59.63	59.34	0.29	0.49
		1	40.37	40.66	-0.29	-0.72
JOBR09C	Job related to undergraduate coursework	0	60.71	60.40	0.30	0.50
		1	39.29	39.60	-0.30	-0.77
JOBRCT09	Employer required: vocational or technical certificate	0	81.24	80.84	0.40	0.50
		1	18.76	19.16	-0.40	-2.09
JOBRDG09	Employer required: 2-year or 4-year college degree	0	68.10	70.08	-1.98*	-2.82
		1	31.90	29.92	1.98*	6.61
JOBRLC09	Employer required: industry certification or license	0	79.15	79.38	-0.22	-0.28
		1	20.85	20.62	0.22	1.09
JOBRLM09	Job related to undergraduate major	0	34.42	38.01	-3.59*	-9.46
		1	65.58	61.99	3.59*	5.80
JOBS09A	Job satisfaction: fringe benefits	0	33.20	33.47	-0.27	-0.82
		1	66.80	66.53	0.27	0.41
JOBS09B	Job satisfaction: importance and challenge	0	25.79	26.70	-0.91	-3.42
		1	74.21	73.30	0.91	1.24
JOBS09C	Job satisfaction: job security	0	23.53	23.64	-0.11	-0.48
		1	76.47	76.36	0.11	0.15

See notes at end of table.

**Table J-3. Distributions of categorical variables before and after imputation, BPS:04/09: 2009—
Continued**

Variable	Description	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
JOBS09D	Job satisfaction: opportunities for future training and education	0	32.15	32.82	-0.66	-2.03
		1	67.85	67.18	0.66	0.99
JOBS09E	Job satisfaction: opportunities for promotion	0	39.98	40.44	-0.46	-1.14
		1	60.02	59.56	0.46	0.77
JOBS09F	Job satisfaction: opportunities to use education	0	32.78	33.66	-0.88*	-2.63
		1	67.22	66.34	0.88*	1.33
JOBS09G	Job satisfaction: overall	0	22.84	23.63	-0.79	-3.33
		1	77.16	76.37	0.79	1.03
JOBS09H	Job satisfaction: pay	0	40.36	40.91	-0.56	-1.36
		1	59.64	59.09	0.56	0.94
JOBSBE09	Same or similar job before enrolled	0	71.02	69.66	1.36*	1.95
		1	28.98	30.34	-1.36*	-4.47
JOBST09	Currently employed	0	20.63	20.48	0.16	0.76
		1	79.37	79.52	-0.16	-0.20
JOBSWE09	Same or similar job while enrolled	0	59.21	57.60	1.61*	2.80
		1	40.79	42.40	-1.61*	-3.80
JOBUG09	Undergraduate education helped advance career	0	44.32	45.22	-0.89	-1.98
		1	55.68	54.78	0.89	1.63
LNDWI09	Loan debt worthwhile investment	0	21.33	21.05	0.28	1.32
		1	78.67	78.95	-0.28	-0.35
LNHELP09	Anyone helping to repay loans	0	81.51	83.24	-1.73*	-2.08
		1	18.49	16.76	1.73*	10.34
LNIEP09	Loan influenced enrollment plans	0	53.03	53.07	-0.04	-0.08
		1	46.97	46.93	0.04	0.09
LNIN09A	Influence of student loans on enrollment: chose more affordable school	0	79.99	80.40	-0.41	-0.50
		1	20.01	19.60	0.41	2.07
LNIN09B	Influence of student loans on enrollment: enrolled during summer	0	92.92	93.25	-0.33	-0.35
		1	7.08	6.75	0.33	4.90
LNIN09C	Influence of student loans on enrollment: enrolled sooner	0	92.75	92.80	-0.05	-0.05
		1	7.25	7.20	0.05	0.65
LNIN09D	Influence of student loans on enrollment: increased/decreased classes	0	79.29	79.61	-0.32	-0.41
		1	20.71	20.39	0.32	1.59
LNIN09E	Influence of student loans on enrollment: postponed enrollment	0	61.15	61.32	-0.17	-0.28
		1	38.85	38.68	0.17	0.45

See notes at end of table.

Table J-3. Distributions of categorical variables before and after imputation, BPS:04/09: 2009—Continued

Variable	Description	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
LNIN09F	Influence of student loans on enrollment: took terms off	0	77.97	78.62	-0.65	-0.83
		1	22.03	21.38	0.65	3.04
LNIN09X	Influence of student loans on enrollment: other reason	0	64.26	63.95	0.31	0.48
		1	35.74	36.05	-0.31	-0.85
LNTY09A	Type of undergraduate loan: federal	0	18.13	19.52	-1.39*	-7.13
		1	81.87	80.48	1.39*	1.73
LNTY09B	Type of undergraduate loan: private	0	62.51	63.23	-0.72	-1.13
		1	37.49	36.77	0.72	1.95
LNTY09C	Type of undergraduate loan: other	0	94.16	93.87	0.28	0.30
		1	5.84	6.13	-0.28	-4.63
LOCALR09	Residence while enrolled	1	14.57	13.84	0.73*	5.31
		2	61.46	61.28	0.17	0.29
		3	23.97	24.88	-0.91*	-3.66
LOCJOB09	Job on or off campus	1	16.52	15.89	0.62*	3.93
		2	79.61	80.40	-0.79*	-0.98
		3	3.87	3.71	0.16	4.38
MAJ09CHG	Frequency of formal major changes	0	68.78	68.87	-0.09	-0.13
		1	23.75	23.65	0.10	0.42
		2	7.48	7.49	-0.01	-0.11
MAJ09DBL	Earned a double major with degree	0	87.45	87.90	-0.45	-0.51
		1	12.55	12.10	0.45	3.71
MNREA09	Job while enrolled 2009: Main reason for working	1	54.55	55.40	-0.85*	-1.54
		2	11.52	11.59	-0.07	-0.59
		3	17.76	17.08	0.68*	3.97
		4	4.50	4.36	0.14	3.14
		5	7.98	7.72	0.26	3.43
		6	3.69	3.84	-0.16	-4.14
PARDIE09	Parents deceased	0	99.02	98.79	0.22*	0.22
		1	0.98	1.21	-0.22*	-18.37
PRSP09A	Help from parents: no financial support	0	59.80	58.53	1.27*	2.17
		1	40.20	41.47	-1.27*	-3.07
PRSP09B	Help from parents: other educational/living expenses	0	57.72	59.04	-1.33*	-2.25
		1	42.28	40.96	1.33*	3.24
PRSP09C	Help from parents: tuition and fees	0	55.18	56.35	-1.17*	-2.08
		1	44.82	43.65	1.17*	2.68
RELCRS09	Job related to coursework	0	63.48	65.78	-2.30	-3.50
		1	36.52	34.22	2.30	6.72

See notes at end of table.

Table J-3. Distributions of categorical variables before and after imputation, BPS:04/09: 2009—Continued

Variable	Description	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
RELMAJ09	Job related to major	0	57.71	57.79	-0.09	-0.15
		1	42.29	42.21	0.09	0.20
RPYSL09	Currently repaying any undergraduate loans	0	44.61	45.29	-0.69	-1.52
		1	55.39	54.71	0.69	1.26
RSNLSA	Purpose (last school) 2009: earn a degree	0	53.05	54.20	-1.15	-2.12
		1	46.95	45.80	1.15	2.51
RSNLSB	Purpose (last school) 2009: earn credits	0	89.24	88.62	0.62	0.70
		1	10.76	11.38	-0.62	-5.44
RSNLSC	Purpose (last school) 2009: gain job skills	0	65.61	66.42	-0.80	-1.21
		1	34.39	33.59	0.80	2.39
RSNLSD	Purpose (last school) 2009: personal interest	0	83.98	83.60	0.38	0.45
		1	16.02	16.40	-0.38	-2.31
RSNLSE	Purpose (last school) 2009: transfer to 4 yr	0	80.77	81.24	-0.47	-0.57
		1	19.23	18.76	0.47	2.49
RSNLSX	Purpose (last school) 2009: other reason	0	61.93	62.33	-0.40	-0.64
		1	38.07	37.67	0.40	1.06
RSPL09A	Reason for taking out private loan: deferment of loan repayment	0	73.31	73.95	-0.64	-0.87
		1	26.69	26.05	0.64	2.46
RSPL09B	Reason for taking out private loan: did not qualify for other aid	0	80.20	80.88	-0.68	-0.84
		1	19.80	19.12	0.68	3.55
RSPL09C	Reason for taking out private loan: issued directly to student	0	94.97	95.74	-0.77*	-0.80
		1	5.03	4.26	0.77*	18.07
RSPL09D	Reason for taking out private loan: needed more money	0	32.25	33.71	-1.46*	-4.34
		1	67.75	66.29	1.46*	2.21
RSPL09E	Reason for taking out private loan: private loan application easy	0	90.21	90.27	-0.06	-0.07
		1	9.79	9.73	0.06	0.66
RSPL09X	Reason for taking out private loan: other reason	0	84.09	83.30	0.79	0.95
		1	15.91	16.70	-0.79	-4.72
SATMAJ09	Satisfaction with choice of major	0	14.46	14.46	-0.01	-0.07
		1	85.54	85.54	0.01	0.01
SATUG09	Satisfaction with quality of undergraduate education	0	11.45	11.36	0.10	0.84
		1	88.55	88.64	-0.10	-0.11
SEROLE09	Primary role while working	1	77.88	76.88	1.00*	1.30
		2	22.12	23.12	-1.00*	-4.33

See notes at end of table.

**Table J-3. Distributions of categorical variables before and after imputation, BPS:04/09: 2009—
Continued**

Variable	Description	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
SMAR09	Current marital status	1	66.24	64.59	1.64*	2.55
		2	26.00	26.42	-0.42	-1.58
		3	1.74	2.00	-0.26*	-12.90
		4	5.58	6.53	-0.95*	-14.49
		5	0.44	0.46	-0.02	-4.87
SPNM08	Not married to spouse in 2008	0	96.24	96.59	-0.35	-0.37
		1	3.76	3.41	0.35	10.37
SPSED09	Spouse's highest education level	1	4.78	4.67	0.10	2.21
		2	27.42	26.71	0.70	2.64
		3	8.38	8.89	-0.51	-5.68
		4	13.93	13.88	0.05	0.35
		5	10.85	11.15	-0.30	-2.71
		6	8.07	7.98	0.09	1.15
		7	20.26	20.02	0.24	1.20
		8	6.31	6.69	-0.38	-5.67
SPSLN09	Spouse has student loans	0	66.96	67.46	-0.50	-0.74
		1	33.04	32.54	0.50	1.54
SPSLNR09	Spouse's monthly student loan payment: not yet in repayment	0	67.11	67.64	-0.53	-0.78
		1	32.89	32.36	0.53	1.64
TEACH09	Plan on teaching K-12	1	7.70	7.58	0.12	1.62
		2	7.22	7.29	-0.07	-0.99
		3	29.62	29.68	-0.06	-0.19
		4	55.45	55.45	0.01	0.01
TRCRAC09	School accepted transfer credits	0	2.94	3.13	-0.19	-6.15
		1	43.05	43.45	-0.40	-0.93
		2	54.01	53.41	0.60	1.12
TRCREV09	Attempted transfer credits to school	0	55.99	56.66	-0.67	-1.18
		1	44.01	43.34	0.67	1.54
UGEWC09	Undergraduate education worth the cost	0	21.27	21.05	0.22	1.04
		1	78.73	78.95	-0.22	-0.28
UGLV09	Undergraduate level during most recent term	1	25.07	22.98	2.09	9.08
		2	27.64	27.58	0.06	0.22
		3	21.76	24.27	-2.50	-10.32
		4	11.20	11.63	-0.43	-3.71
		5	4.09	4.46	-0.37	-8.21
		6	10.24	9.08	1.16	12.73
UNEMCP09	Receiving unemployment compensation	0	72.63	73.21	-0.58	-0.80
		1	27.37	26.79	0.58	2.18

See notes at end of table.

**Table J-3. Distributions of categorical variables before and after imputation, BPS:04/09: 2009—
Continued**

Variable	Description	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
UNEMPG09	Ever unemployed at least three months since undergraduate graduation	0	73.19	73.03	0.15	0.21
		1	26.81	26.97	-0.15	-0.56
UNEMPL09	Currently looking for a job	0	32.10	32.49	-0.39	-1.21
		1	67.90	67.51	0.39	0.58
UNEMPX09	No employment after undergraduate enrollment	0	85.68	85.86	-0.18	-0.22
		1	14.32	14.14	0.18	1.31
UNTAX09	Received untaxed benefits in 2008	0	90.94	90.80	0.15	0.16
		1	9.06	9.20	-0.15	-1.59
VLT09A	Volunteer type: fundraising (political or non- political)	0	93.68	93.94	-0.25*	-0.27
		1	6.32	6.06	0.25*	4.14
VLT09B	Volunteer type: health services	0	95.44	95.54	-0.09	-0.10
		1	4.56	4.46	0.09	2.11
VLT09C	Volunteer: homeless shelter or soup kitchen	0	95.99	96.01	-0.01	-0.02
		1	4.01	3.99	0.01	0.37
VLT09D	Volunteer type: neighborhood improvement	0	94.59	94.58	0.01	0.01
		1	5.41	5.42	-0.01	-0.12
VLT09E	Volunteer type: other work with kids	0	91.97	92.12	-0.14	-0.16
		1	8.03	7.88	0.14	1.84
VLT09F	Volunteer type: service to the church	0	89.24	89.41	-0.16	-0.18
		1	10.76	10.59	0.16	1.54
VLT09G	Volunteer type: nonprofit organizations	0	91.49	91.51	-0.02	-0.03
		1	8.51	8.49	0.02	0.27
VLT09H	Volunteer type: service to the community	0	95.05	95.15	-0.10	-0.11
		1	4.95	4.85	0.10	2.08
VLT09I	Volunteer type: tutoring or education- related	0	93.26	93.47	-0.21	-0.22
		1	6.74	6.53	0.21	3.19
VLT09X	Volunteer type: other	0	93.66	93.61	0.05	0.06
		1	6.34	6.39	-0.05	-0.86
VLTR09B	Start volunteering because of school- related activity	0	94.07	89.05	5.02*	5.64
		1	5.93	10.95	-5.02*	-45.87
VOTE09	Vote in last presidential election	0	18.68	17.89	0.79*	4.40
		1	81.32	82.11	-0.79*	-0.96
VOTERG09	Registered to vote	0	12.10	10.97	1.13*	10.29
		1	87.90	89.03	-1.13*	-1.27

See notes at end of table.

**Table J-3. Distributions of categorical variables before and after imputation, BPS:04/09: 2009—
Continued**

Variable	Description	Value	Percent distribution before imputation	Percent distribution after imputation	Difference	Percent relative difference
VOTEVE09	Ever voted in a U.S. election	0	11.21	11.18	0.03	0.28
		1	88.79	88.82	-0.03	-0.04
WRKST09	Work-study job	0	89.54	89.88	-0.34	-0.37
		1	10.46	10.12	0.34	3.32

* $p < .05$.

NOTE: Distributions were computed using the BPS:04/09 study weight. Cases with legitimate skips for the item are not included in the distributions. The difference is computed as the percentage before imputation minus the percentage after imputation.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table J-4. Item response rates and nonresponse rates for student-level derived variables from the BPS:04/09 transcript data collection: 2009

Variable	Description	Sample size	Item response rate	Item nonresponse rate
QBHSMY	High school graduation year and month	16,960	22.49	77.51
QDMAJCHG	Major change during first transfer indicator	6,630	23.78	76.22
QD3RDSTP	Length of 3rd stopout	730	27.97	72.03
QEGPAL2N	Less than 2-year private, nonprofit: GPA	100	37.34	62.66
QDMAJSS	Major at sending school for first transfer	6,630	39.89	60.11
QEPSNGPA	Personal, food, and home services occupations GPA	950	53.60	46.40
QEGPAL2P	Less than 2-year public: GPA	340	58.30	41.70
QFCGND	No degree field of study: 2-digit CIP	10,610	60.39	39.61
QFCSND	No degree field of study: 4-digit CIP	10,610	60.39	39.61
QESTTGPA	Student teaching courses: GPA	790	61.18	38.82
QFMJSTEM	STEM field of study: major	16,960	63.61	36.39
QELGPA2F	Less than 2-year private, for-profit: GPA	1,000	65.32	34.68
QEGPALT2	GPA at less-than 2-year institutions	1,340	65.38	34.62
QD2NDSTP	Length of 2nd Stopout	1,480	69.20	30.80
QDMAJRS	Major at receiving school for first transfer	6,630	69.34	30.66
QEPMAGPA	Pre-college level mathematics courses: GPA	6,230	70.47	29.53
QDTRRAT	Successful transfer percentage for first transfer	6,340	71.51	28.49
QDBC2ASC	Elapsed time from bachelor's degree to associate's degree	20	71.54	28.46
QDTCRSS	Total credits taken at origin school for first transfer	6,630	73.87	26.13
QESPTGPA	Sports/PE/recreation GPA	6,030	79.65	20.35
QEINDGPA	Industrial and mechanical technologies and trades occupations GPA	850	83.11	16.89
QEGPAPFP	GPA at private, for profit institutions	2,710	83.16	16.84
QELGLGPA	Business and legal support occupation GPA	3,000	83.34	16.66
QDFA2CRT	Elapsed time from entry to certificate	1,760	83.69	16.31
QEGPAPN2	2-year private, nonprofit: GPA	330	84.21	15.79
QECONGPA	Construction technical and trades occupations GPA	830	84.49	15.51
QEGPACRT	GPA at certificate institution	1,780	85.02	14.98
QEGPAPF2	2-year private, for-profit: GPA	1,010	86.22	13.78
QDTCRRS	Total credits transferred to destination school for first transfer	6,630	86.50	13.50
QEFLGPA	Foreign language courses: GPA	5,700	87.11	12.89
QEEDUGPA	Education courses, excluding student teaching: GPA	2,560	87.27	12.73
QECTHGPA	Computer support and technical occupations GPA	4,100	87.40	12.60
QECLCGPA	Calculus/analytic geometry courses: GPA	3,870	87.85	12.15
QENRSGPA	Nursing studies GPA	1,020	87.97	12.03
QEEGTGPA	Engineering technologies GPA	1,890	88.35	11.65
QEHLTGPA	Allied health GPA	4,700	88.66	11.34
QEYR6GPA	GPA in sixth year of attendance	2,840	88.71	11.29
QECSCGPA	Computer science courses: GPA	7,840	88.75	11.25
QEENVGPA	Environment and natural resources GPA	1,800	89.27	10.73
QEMATGPA	All college-level mathematics courses: GPA	9,720	89.32	10.68
QEMKTGPA	Marketing, sales, retail, and hospitality occupations GPA	3,000	89.42	10.58
QELABGPA	Introductory laboratory science courses: GPA	7,620	89.76	10.24
QENWCGPA	Non-western culture and society GPA	2,170	90.00	10.00

See notes at end of table.

Table J-4. Item response rates and nonresponse rates for student-level derived variables from the BPS:04/09 transcript data collection: 2009—Continued

Variable	Description	Sample size	Item response rate	Item nonresponse rate
QEELCGPA	Electronic and communications technical occupations GPA	1,380	90.03	9.97
QEEGNGPA	Engineering courses: GPA	1,410	90.11	9.89
QEWRTGPA	Writing beyond English composition GPA	4,920	90.12	9.88
QEBUSGPA	Business GPA	6,700	90.29	9.71
QEPRTGPA	Protective services occupations GPA	1,720	90.56	9.44
QD1STSTP	Length of 1st Stopout	4,770	90.59	9.41
QDLNGSTP	Length of greatest stopout	4,770	90.59	9.41
QDTOTSTP	Total elapsed stopout time	4,770	90.59	9.41
QERELGPA	Religious studies and theology GPA	1,450	90.59	9.41
QEITLGPA	International studies excluding arts/humanities/history GPA	3,930	90.86	9.14
QEBIOGPA	Biological/agricultural/envir life science courses: GPA	9,170	91.26	8.74
QECHLGPA	Child, family, and youth studies GPA	3,680	91.44	8.56
QEECN GPA	Economics GPA	5,340	91.52	8.48
QEPSCGPA	Physical science courses: GPA	8,030	91.62	8.38
QEGPAFP4	Private for-profit 4-year institutions: GPA	880	91.81	8.19
QEGPAHBC	GPA at HBCUs	460	91.87	8.13
QDACCREL	Accreditation relationship for first transfer	6,630	91.98	8.02
QEAUCGPA	Advanced western culture and society GPA	8,820	92.11	7.89
QEETHGPA	Ethics GPA	3,300	92.13	7.87
QEMDAGPA	Media studies GPA	3,630	92.13	7.87
QEGPAHSI	GPA at Hispanic-serving institutions (HSI)	1,770	92.16	7.84
QEBWCGPA	Basic western culture and society GPA	9,950	92.22	7.78
QEHISGPA	History GPA	9,130	92.28	7.72
QEALBGPA	Advanced laboratory science courses: GPA	5,250	92.45	7.55
QEGPA2YR	GPA at 2-year institutions	9,410	92.56	7.44
QEMINGPA	Minority, ethnic, women's, and cultural studies GPA	3,950	92.58	7.42
QEGPAPB2	Public 2-year institutions: GPA	8,420	92.63	7.37
QESTMGPA	STEM courses: GPA	15,300	92.65	7.35
QEGPA1SC	GPA at first institution attended	16,950	92.76	7.24
QESTAGPA	Statistics courses in all departments: GPA	5,520	92.91	7.09
QEPSYGPA	Psychology GPA	9,660	93.10	6.90
QDSELREL	Selectivity relationship for first transfer	6,630	93.16	6.84
QESERGPA	Science & engineering courses: GPA	11,680	93.22	6.78
QDPROCHG	Program change during first transfer indicator	6,630	93.23	6.77
QDPRTYPE	Program transfer type for first transfer	6,630	93.23	6.77
QESCIGPA	All science courses: GPA	11,540	93.24	6.76
QEFARGPA	Fine arts, including graphic arts and design GPA	8,290	93.46	6.54
QFCGFAS	First Associate's degree field of study: 2-digit CIP	2,020	93.59	6.41
QFCSFAS	First Associate's degree field of study: 4-digit CIP	2,020	93.59	6.41
QFCGLAS	Most recent Associate's degree field of study: 2-digit CIP	2,020	93.60	6.40
QFCSLAS	Most recent Associate's degree field of study: 4-digit CIP	2,020	93.60	6.40
QDCT2ASC	Elapsed time from certificate to associate's degree	130	93.73	6.27
QEHUMGPA	Humanities GPA	14,030	94.22	5.78
QEGPALSC	GPA at last institution attended	16,950	94.51	5.49

See notes at end of table.

Table J-4. Item response rates and nonresponse rates for student-level derived variables from the BPS:04/09 transcript data collection: 2009—Continued

Variable	Description	Sample size	Item response rate	Item nonresponse rate
QFMNSTEM	STEM field of study: minor	16,960	94.52	5.48
QEYR5GPA	GPA in fifth year of attendance	5,310	94.53	5.47
QEGPAMAN	GPA at institution with greatest number of credits earned	16,950	94.65	5.35
QEGPAPNP	GPA at private, nonprofit institutions	4,740	94.76	5.24
QDSCHCMB	Institution combination	6,630	94.88	5.12
QEGPAPN4	Private nonprofit 4-year institutions: GPA	4,450	94.96	5.04
QE1TO6RN	First, second, third, fourth, fifth, and sixth years combined: credits earned	16,960	95.02	4.98
QDCTLCHG	Control relationship between schools for first transfer	6,630	95.03	4.97
QDLVLCHG	Level relationship between schools for first transfer	6,630	95.03	4.97
QDTRSDIR	Type of transfer for first transfer	6,630	95.03	4.97
QFCT1MY	Date of first certificate earned	1,760	95.18	4.82
QFCTLMY	Date of most recent certificate	1,760	95.18	4.82
QEYR2GPA	GPA in second year of attendance	12,560	95.22	4.78
QDFA2AW1	Elapsed time from entry to first award	8,970	95.37	4.63
QEYR1GPA	GPA in first year of attendance	16,310	95.46	4.54
QE12345N	First, second, third, fourth, and fifth yrs combined: credits earned	16,960	95.50	4.50
QESUMRAT	Summer terms: ratio of credits earned to total	16,960	95.55	4.45
QECTERAT	Ratio of CTE credits to total credits	16,960	95.63	4.37
QE1234EN	First, second, third, and fourth years combined: credits earned	16,960	95.65	4.35
QDCT2BCH	Elapsed time from certificate to bachelor's degree	50	95.65	4.35
QE1STSTM	First year enrollment: STEM credits earned	16,960	95.68	4.32
QESABRAT	Study abroad: ratio of credits earned to total	16,960	95.69	4.31
QE123ERN	First, second and third years combined: credits earned	16,960	95.72	4.28
QEGPAALL	GPA at all institutions attended	16,950	95.73	4.27
QESSCGPA	Social sciences GPA	13,060	95.83	4.17
QE12ERN	First and second years combined: credits earned	16,960	95.85	4.15
QE2NDSTM	Second year enrollment: STEM credits earned	16,960	96.01	3.99
QEYR3GPA	GPA in third year of attendance	10,540	96.05	3.95
QEGPAPUB	GPA at public institutions	12,560	96.16	3.84
QEAVGERN	Per-year average: credits earned	16,960	96.24	3.76
QE1STERN	First year enrollment: credits earned	16,960	96.27	3.73
QE3RDSTM	Third year enrollment: STEM credits earned	16,960	96.27	3.73
QEYR4GPA	GPA in fourth year of attendance	9,250	96.29	3.71
QE6THSTM	Sixth year and beyond enrollment: STEM credits earned	16,960	96.31	3.69
QE4THSTM	Fourth year enrollment: STEM credits earned	16,960	96.40	3.60
QE5THSTM	Fifth year enrollment: STEM credits earned	16,960	96.47	3.53
QDFA2ASC	Elapsed time from entry to associate's degree	2,020	96.63	3.37
QE2NDERN	Second year enrollment: credits earned	16,960	96.84	3.16
QDFEUGMY	First date enrolled as an undergraduate	16,960	96.95	3.05
QE6THERN	Sixth year and beyond enrollment: credits earned	16,960	96.99	3.01
QDAS2CRT	Elapsed time from associate's degree to certificate	50	97.08	2.92
QFCGLCT	Most recent Certificate's degree field of study: 2-digit CIP	1,760	97.16	2.84
QFCSLCT	Most recent Certificate's degree field of study: 4-digit CIP	1,760	97.16	2.84
QE3RDERN	Third year enrollment: credits earned	16,960	97.16	2.84

See notes at end of table.

Table J-4. Item response rates and nonresponse rates for student-level derived variables from the BPS:04/09 transcript data collection: 2009—Continued

Variable	Description	Sample size	Item response rate	Item nonresponse rate
QEGPAPB4	Public 4-year institutions: GPA	6,770	97.21	2.79
QDGT4STP	Count of stopouts longer than 4 months	16,960	97.21	2.79
QDGT5STP	Count of stopouts longer than 5 months	16,960	97.21	2.79
QDOVRLAP	Indicator for ever co-enrolled	16,960	97.21	2.79
QFCGFCT	First Certificate's degree field of study: 2-digit CIP	1,760	97.25	2.75
QFCSFCT	First Certificate's degree field of study: 4-digit CIP	1,760	97.25	2.75
QE4THERN	Fourth year enrollment: credits earned	16,960	97.28	2.72
QEPSEERAT	Postsecondary career: ratio of credits earned to attempted	16,960	97.28	2.72
QE5THERN	Fifth year enrollment: credits earned	16,960	97.31	2.69
QDLEUGMY	Last date enrolled as an undergraduate	16,960	97.46	2.54
QDENROLL	Seventy-two month enrollment indicator string (July 2003 - June 2009)	16,960	97.50	2.50
QDFAEVMY	First attended ever month/year	16,960	97.50	2.50
QDLEYEAR	Last year of enrollment	16,960	97.50	2.50
QDTOTMON	Total months enrolled	16,960	97.50	2.50
QEPSEERN	Postsecondary career: credits earned	16,960	97.57	2.43
QEGPA4YR	GPA at 4-year institutions	10,710	97.58	2.42
QEGPAASC	GPA at associate's degree institution	2,070	97.59	2.41
QDEN2009	Enrolled in 2009	16,960	97.68	2.32
QFAS1MY	Date of first associate's degree earned	2,020	98.05	1.95
QFASLMY	Date of most recent associate's degree	2,020	98.05	1.95
QENCTGPA	Non-career and technical education courses: GPA	10,480	98.30	1.70
QENSTGPA	Non-STEM courses: GPA	16,860	98.41	1.59
QENSTERN	Non-STEM courses: credits earned	16,960	98.46	1.54
QENSEERN	Non-science & engineering courses: credits earned	16,960	98.47	1.53
QECTERN	Career and technical education courses: credits earned	16,960	98.51	1.49
QENSEGPA	Non-science & engineering courses: GPA	16,940	98.54	1.46
QEPFPERN	Private, for profit institutions - credits earned	16,960	98.63	1.37
QENSTATT	Non-STEM courses: credits attempted	16,960	98.67	1.33
QEPMAERN	Pre-college level mathematics courses: Credits Earned	16,960	98.68	1.32
QENCTERN	Non-career and technical education courses: credits earned	16,960	98.68	1.32
QENSEATT	Non-science & engineering courses: credits attempted	16,960	98.70	1.30
QECTEATT	Career and technical education courses: credits attempted	16,960	98.70	1.30
QEPSEATT	Postsecondary career: credits attempted	16,960	98.70	1.30
QBTLNCCR	Total non-course credits	16,960	98.73	1.27
QEPFPATT	Private for-profit institutions: credits attempted	16,960	98.78	1.22
QDAS2BCH	Elapsed time from associate's to bachelor's degree	450	98.78	1.22
QESTMERN	STEM courses: credits earned	16,960	98.80	1.20
QELT2ERN	LT-2-yr institutions: credits earned	16,960	98.84	1.16
QEPSNERN	Personal, food, and home services occupations credits earned	16,960	98.86	1.14
QEGPABCH	GPA at bachelor's degree institution	5,860	98.91	1.09
QESTMATT	STEM courses: credits attempted	16,960	98.93	1.07
QELT2ATT	LT-2-yr institutions: credits attempted	16,960	98.93	1.07
QENCTATT	Non-career and technical education courses: credits attempted	16,960	98.94	1.06
QEMKTERN	Marketing, sales, retail, and hospitality occupations credits earned	16,960	98.97	1.03

See notes at end of table.

Table J-4. Item response rates and nonresponse rates for student-level derived variables from the BPS:04/09 transcript data collection: 2009—Continued

Variable	Description	Sample size	Item response rate	Item nonresponse rate
QEL2FPRN	Less than 2-year private, for-profit: credits earned	16,960	98.99	1.01
QE2YRERN	Credits earned at 2-year institutions	16,960	99.00	1.00
QESCIERN	All science courses: credits earned	16,960	99.03	0.97
QESERERN	Science & engineering courses: credits earned	16,960	99.04	0.96
QEL2FPAT	Less than 2-year private, for-profit: credits attempted	16,960	99.04	0.96
QESCIATT	All science courses: credits attempted	16,960	99.11	0.89
QESERATT	Science & engineering courses: credits attempted	16,960	99.11	0.89
QE2YRATT	Credits attempted at 2-YR institutions (all)	16,960	99.13	0.87
QDFA2BCH	Elapsed time from entry to bachelor's degree	5,820	99.14	0.86
QFNPBAMY	Date bachelor's degree received at NPSAS institution	4,460	99.14	0.86
QF11LBAC	Most recent Bachelor's degree field of study: 11 category	5,820	99.15	0.85
QF23LBAC	Most recent Bachelor's degree field of study: 23 category	5,820	99.15	0.85
QFCGLBA	Most recent Bachelor's degree field of study: 2-digit CIP	5,820	99.15	0.85
QFCSLBA	Most recent Bachelor's degree field of study: 4-digit CIP	5,820	99.15	0.85
QFBA1MY	Date of first bachelor's degree earned	5,820	99.17	0.83
QFBALMY	Date of most recent bachelor's degree	5,820	99.17	0.83
QEPSCERN	Physical science courses: credits earned	16,960	99.18	0.82
QF11FBAC	First Bachelor's degree field of study: 11 category	5,820	99.18	0.82
QF23FBAC	First Bachelor's degree field of study: 23 category	5,820	99.18	0.82
QFCGFBA	First Bachelor's degree field of study: 2-digit CIP	5,820	99.18	0.82
QFCSFBA	First Bachelor's degree field of study: 4-digit CIP	5,820	99.18	0.82
QEBIOERN	Biological/agricultural/envir life science courses: credits earned	16,960	99.21	0.79
QEPSCATT	Physical science courses: credits attempted	16,960	99.22	0.78
QEPUB2RN	Public 2-year institutions: credits earned	16,960	99.26	0.74
QEMATERN	All college-level mathematics courses: credits earned	16,960	99.27	0.73
QEHILTERN	Allied health credits earned	16,960	99.29	0.71
QELABERN	Introductory laboratory science courses: credits earned	16,960	99.30	0.70
QEBIOATT	Biological/agricultural/envir life science courses: credits attempted	16,960	99.30	0.70
QEPUB2AT	Public 2-year institutions: credits attempted	16,960	99.31	0.69
QELABATT	Introductory laboratory science courses: credits attempted	16,960	99.34	0.66
QBOTEXCR	Credit by other examination	16,960	99.35	0.65
QEMATATT	All college-level mathematics courses: credits attempted	16,960	99.38	0.62
QEBWCERN	Basic western culture and society credits earned	16,960	99.38	0.62
QEALBERN	Advanced laboratory science courses: credits earned	16,960	99.39	0.61
QEALBATT	Advanced laboratory science courses: credits attempted	16,960	99.41	0.59
QEBUSERN	Business credits earned	16,960	99.41	0.59
QEHUMERN	Humanities credits earned	16,960	99.42	0.58
QECSCERN	Computer science courses: credits earned	16,960	99.46	0.54
QEPSYERN	Psychology credits earned	16,960	99.48	0.52
QEPUBERN	Public institutions - credits earned	16,960	99.49	0.51
QESSCERN	Social sciences credits earned	16,960	99.53	0.47
QECSCATT	Computer science courses: credits attempted	16,960	99.53	0.47
QELGLERN	Business and legal support occupations credits earned	16,960	99.54	0.46
QBTLAPCR	Total AP credits awarded by institution	16,960	99.55	0.45

See notes at end of table.

Table J-4. Item response rates and nonresponse rates for student-level derived variables from the BPS:04/09 transcript data collection: 2009—Continued

Variable	Description	Sample size	Item response rate	Item nonresponse rate
QEFLERN	Foreign language courses: credits earned	16,960	99.55	0.45
QEAWCERN	Advanced western culture and society credits earned	16,960	99.55	0.45
QESUMERN	Summer terms: credits earned	16,960	99.56	0.44
QEHISERN	History credits earned	16,960	99.56	0.44
QESUMATT	Summer terms: credits attempted	16,960	99.58	0.42
QEPF2ERN	2-year private, for-profit: credits earned	16,960	99.58	0.42
QEETHERN	Ethics credits earned	16,960	99.58	0.42
QEPUBATT	Public institutions - credits attempted	16,960	99.59	0.41
QEWRTERN	Writing beyond English composition credits earned	16,960	99.59	0.41
QEFLATT	Foreign language courses: credits attempted	16,960	99.59	0.41
QEPNPATT	Private, nonprofit institutions - credits attempted	16,960	99.61	0.39
QEPF2ATT	2-year private, for-profit: credits attempted	16,960	99.61	0.39
QE4YRERN	4-year institutions (all): credits earned	16,960	99.64	0.36
QEPNPERN	Private, nonprofit institutions - credits earned	16,960	99.64	0.36
QEFARERN	Fine arts, including graphic arts and design credits earned	16,960	99.64	0.36
QEITLERN	International studies excl arts/humanities/history credits earned	16,960	99.66	0.34
QESPTERN	Sports/PE/recreation credits earned	16,960	99.67	0.33
QE4YRATT	4-year institutions (all): credits attempted	16,960	99.67	0.33
QECTHERN	Computer support and technical occupations credits earned	16,960	99.67	0.33
QEPNP4AT	Private nonprofit 4-year institutions: credits attempted	16,960	99.67	0.33
QESTAERN	Statistics courses in all departments: credits earned	16,960	99.68	0.32
QEECNERN	Economics credits earned	16,960	99.68	0.32
QESTTATT	Student teaching courses: credits attempted	16,960	99.69	0.31
QESTTERN	Student teaching courses: credits earned	16,960	99.69	0.31
QESTAATT	Statistics courses in all departments: credits attempted	16,960	99.70	0.30
QEPNP4ERN	Private nonprofit 4-year institutions: credits earned	16,960	99.70	0.30
QBNMMLCR	Military training/experience course credit	16,960	99.71	0.29
QECLCERN	Calculus/analytic geometry courses: credits earned	16,960	99.71	0.29
QEEDUATT	Education courses, excluding student teaching: credits attempted	16,960	99.72	0.28
QEEDUERN	Education courses, excluding student teaching: credits earned	16,960	99.72	0.28
QESABERN	Study abroad: credits earned	16,960	99.72	0.28
QEMDAERN	Media studies credits earned	16,960	99.73	0.27
QECONERN	Construction technical and trades occupations credits earned	16,960	99.73	0.27
QECRDWDR	Credits withdrawn	16,960	99.73	0.27
QECTEGPA	Career and technical education courses: GPA	7,550	99.74	0.26
QBNMNCCR	Other non-course avenues course credit	16,960	99.74	0.26
QECHLERN	Child, family, and youth studies credits earned	16,960	99.74	0.26
QENRSERN	Credits in nursing courses	16,960	99.75	0.25
QEEGTERN	Engineering technologies credits earned	16,960	99.75	0.25
QEPRTERN	Protective services occupations credits earned	16,960	99.75	0.25
QEFP4ERN	Private for-profit 4-year institutions: credits earned	16,960	99.75	0.25
QECLCATT	Calculus/analytic geometry courses: credits attempted	16,960	99.75	0.25
QEMINERN	Minority, ethnic, women's, and cultural studies credits earned	16,960	99.76	0.24
QENWCERN	Non-western culture and society credits earned	16,960	99.77	0.23

See notes at end of table.

Table J-4. Item response rates and nonresponse rates for student-level derived variables from the BPS:04/09 transcript data collection: 2009—Continued

Variable	Description	Sample size	Item response rate	Item nonresponse rate
QEINDERN	Industrial and mechanical technologies and trades occupations credits earned	16,960	99.78	0.22
QDBC2CRT	Elapsed time from bachelor's degree to certificate	20	99.78	0.22
QEL2PERN	Less than 2-year public: credits earned	16,960	99.78	0.22
QEENVERN	Environment and natural resources credits earned	16,960	99.81	0.19
QEF4ATT	Private for-profit 4-year institutions: credits attempted	16,960	99.81	0.19
QEL2NPAT	Less than 2-year private, nonprofit: credits attempted	16,960	99.81	0.19
QEL2NPRN	Less than 2-year private, nonprofit: credits earned	16,960	99.81	0.19
QEPUB4RN	Public 4-year institutions: credits earned	16,960	99.81	0.19
QEL2PATT	Less than 2-year public: credits attempted	16,960	99.82	0.18
QERELERN	Religious studies and theology credits earned	16,960	99.83	0.17
QEPUB4AT	Public 4-year institutions: credits attempted	16,960	99.83	0.17
QEELCERN	Electronic and communications technical occupations credits earned	16,960	99.83	0.17
QEEGNERN	Engineering courses: credits earned	16,960	99.84	0.16
QEEGNATT	Engineering courses: credits attempted	16,960	99.84	0.16
QBNMCPCR	College level examination program course credit	16,960	99.85	0.15
QBBIOCR	AP Biology credit awarded by institution	16,960	99.85	0.15
QBNMWKCR	Work experience course credit	16,960	99.85	0.15
QBCHMCRD	AP Chemistry credit awarded by institution	16,960	99.85	0.15
QEREMRAT	Ratio of remedial courses to all courses	16,960	99.86	0.14
QERPRAT	Ratio of courses repeated to courses attempted	16,960	99.86	0.14
QEWDRAT	Ratio of courses withdrawn to courses attempted	16,960	99.86	0.14
QEWTRAT	Ratio of withdraw/repeats to all courses	16,960	99.86	0.14
QEPN2ATT	2-year private, nonprofit: credits attempted	16,960	99.86	0.14
QBNMIBCR	International baccalaureate course credit	16,960	99.86	0.14
QEPN2ERN	2-year private, nonprofit: credits earned	16,960	99.86	0.14
QBPHYCRD	AP Physics credit awarded by institution	16,960	99.87	0.13
QBCSCCRD	AP Computer Science credit awarded by institution	16,960	99.87	0.13
QBMTHCRD	AP Math credit awarded by institution	16,960	99.87	0.13
QEALBNUM	Advanced laboratory science courses: number taken	16,960	99.87	0.13
QEBIONUM	Biological/agricultural/envir life science courses: number taken	16,960	99.87	0.13
QECLCNUM	Calculus/analytic geometry courses: number taken	16,960	99.87	0.13
QECOPTOT	Total number of co-op or internship courses	16,960	99.87	0.13
QECRDRPT	Credits repeated	16,960	99.87	0.13
QECRSWDR	Number of courses with withdrawals	16,960	99.87	0.13
QECRSWRT	Number of courses with withdraw or repeat grades	16,960	99.87	0.13
QECSCNUM	Computer science courses: number taken	16,960	99.87	0.13
QECTENUM	Career and technical education courses: number taken	16,960	99.87	0.13
QEEDUNUM	Education courses, excluding student teaching: number taken	16,960	99.87	0.13
QEEGNNUM	Engineering courses: number taken	16,960	99.87	0.13
QEENGR	Remedial English courses: number taken	16,960	99.87	0.13
QEESL	English as a second language courses: number taken	16,960	99.87	0.13
QEFLNUM	Foreign language courses: number taken	16,960	99.87	0.13
QELABNUM	Introductory laboratory science courses: number taken	16,960	99.87	0.13
QEMATHR	Remedial mathematics courses: number taken	16,960	99.87	0.13

See notes at end of table.

Table J-4. Item response rates and nonresponse rates for student-level derived variables from the BPS:04/09 transcript data collection: 2009—Continued

Variable	Description	Sample size	Item response rate	Item nonresponse rate
QEMATNUM	All college-level mathematics courses: number taken	16,960	99.87	0.13
QENCTNUM	Non-career and technical education courses: number taken	16,960	99.87	0.13
QENSENUM	Non-science & engineering courses: number taken	16,960	99.87	0.13
QENSTNUM	Non-STEM courses: number taken	16,960	99.87	0.13
QEOTHERR	Remedial courses, not English, reading, or math: number taken	16,960	99.87	0.13
QEPASENR	Remedial English courses: number passed	16,960	99.87	0.13
QEPASESL	English as a second language courses: number passed	16,960	99.87	0.13
QEPASMAR	Remedial mathematics courses: number passed	16,960	99.87	0.13
QEPASOTR	Remedial courses, not English, reading, or math: number passed	16,960	99.87	0.13
QEPASR	Remedial courses: number passed	16,960	99.87	0.13
QEPASRER	Remedial reading courses: number passed	16,960	99.87	0.13
QEPSCNUM	Physical science courses: number taken	16,960	99.87	0.13
QEREADR	Remedial reading courses: number taken	16,960	99.87	0.13
QERPTENR	Remedial English courses: number repeated	16,960	99.87	0.13
QERPTESL	English as a second language courses: number repeated	16,960	99.87	0.13
QERPTMAR	Remedial mathematics courses: number repeated	16,960	99.87	0.13
QERPTOTR	Remedial courses, not English, reading, or math: number repeated	16,960	99.87	0.13
QERPTR	Remedial courses: number repeated	16,960	99.87	0.13
QERPTRER	Remedial reading courses: number repeated	16,960	99.87	0.13
QESCIUM	All science courses: number taken	16,960	99.87	0.13
QESERNUM	Science & engineering courses: number taken	16,960	99.87	0.13
QESTANUM	Statistics courses in all departments: number taken	16,960	99.87	0.13
QESTMNUM	STEM courses: number taken	16,960	99.87	0.13
QESTTNUM	Student teaching courses: number taken	16,960	99.87	0.13
QETCSRPT	Number of courses with repeats	16,960	99.87	0.13
QETOTR	Remedial courses: number taken	16,960	99.87	0.13
QEUGCRS	Total number of undergraduate courses	16,960	99.87	0.13
QFSEQAWD	Sequence of awards	8,820	99.96	0.04
QATRPTBS	Number of transcripts only indicating basic skills courses	16,960	99.96	0.04
QATRPTER	Number of transcripts entered	16,960	100.00	#
QATRPTMS	Total missing transcripts	16,960	100.00	#
QATRPTRQ	Total transcripts requested	16,960	100.00	#
QC2PRVFP	Number of private, for-profit, 2-year institutions attended	16,960	100.00	#
QC2PVNP	Number of private, nonprofit, 2-year institutions attended	16,960	100.00	#
QC2YRPUB	Number of public, 2-year institutions attended	16,960	100.00	#
QC2YRTOT	Number of 2-year institutions attended	16,960	100.00	#
QC4PRVFP	Number of private, for-profit, 4-year institutions attended	16,960	100.00	#
QC4PVNP	Number of private, nonprofit, 4-year institutions attended	16,960	100.00	#
QC4YRPUB	Number of public, 4-year institutions attended	16,960	100.00	#
QC4YRTOT	Number of 4-year institutions attended	16,960	100.00	#
QCHBCEVR	Ever attended an HBCU institution	16,960	100.00	#
QCHBCTOT	Number of historically black colleges or universities attended	16,960	100.00	#
QCHSIEVR	Ever attended a Hispanic serving institution	16,960	100.00	#
QCHSITOT	Number of Hispanic-serving institutions attended	16,960	100.00	#

See notes at end of table.

Table J-4. Item response rates and nonresponse rates for student-level derived variables from the BPS:04/09 transcript data collection: 2009—Continued

Variable	Description	Sample size	Item response rate	Item nonresponse rate
QCLT2PUB	Number of public, less-than-2-year institutions attended	16,960	100.00	#
QCLT2TOT	Number of less-than-2-year institutions attended	16,960	100.00	#
QCLT2VFP	Number of private, for-profit, less-than-2-year institutions attended	16,960	100.00	#
QCLT2VNP	Number of private, nonprofit, 2-year institutions attended	16,960	100.00	#
QDSCHTOT	Total known schools attended	16,960	100.00	#
QDSEC9RS	Sector at receiving school for first transfer	6,630	100.00	#
QDSEC9SS	Sector at sending school for first transfer	6,330	100.00	#
QDTRSANY	Transfer success indicator for first transfer	6,630	100.00	#
QFANYDEG	Any degree attained	16,960	100.00	#
QFHDGHON	Highest degree attained was with honors	8,940	100.00	#
QFHGHDEG	Highest degree attained	8,940	100.00	#

Rounds to zero.

NOTE: Detail may not sum to totals because of rounding. The sample size column contains the number of cases who may have been eligible to respond to the item. For items that are within a gate question, the sample size includes cases who did not respond to the gate question.

The item response rates and nonresponse rates were computed using the BPS:04/09 student transcript analysis weight. The response rate is computed as the number of cases who responded to the item and did not have a legitimate skip for the item divided by the number of cases who did not have a legitimate skip for the item.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Appendix K

Analysis Variables

Table K-1. Main study analysis variables: 2009

Variable name	Prefix	Variable label
ACAD04A	Education_Experiences	Academic 2004: graduate student instructors
ACAD04B	Education_Experiences	Academic 2004: essay exams
ACAD04C	Education_Experiences	Academic 2004: large classes
ACAD04D	Education_Experiences	Academic 2004: wrote papers for courses
ACAINX04	Education_Experiences	Academic integration index 2004
ACAINX06	Education_Experiences	Academic integration index 2006
ACG1	Education_High School	ACG curriculum eligibility 2003-04
ACPT04	Education_Reasons_School Choice	Number of schools accepted 2004
ACPTF04	Education_Reasons_School Choice	First choice school accepted 2004
ADMCON1	Institution_Requirements	High school GPA 2003-04 used for admissions
ADMCON2	Institution_Requirements	High school rank 2003-04 used for admissions
ADMCON3	Institution_Requirements	High school record 2003-04 used for admissions
ADMCON4	Institution_Requirements	Completion of college prep program 2003-04 used for admissions
ADMCON5	Institution_Requirements	Recommendations 2003-04 used for admissions
ADMCON6	Institution_Requirements	Formal demonstration of competencies 2003-04 used for admissions
ADMCON7	Institution_Requirements	Admission test scores 2003-04 used for admissions
ADMCON8	Institution_Requirements	TOEFL 2003-04 used for admissions
AFFORD06	Employment_While Enrolled	Job while enrolled 2006: Afford school without working
AFFORD09	Employment_While Enrolled	Job while enrolled 2009: Afford school without working
AGE	Background_Demographics	Age first year enrolled
AGEGROUP	Background_Demographics	Age groups as of 12/31/03
AIDAPP	Aid_Application	Applied for any aid 2003-04
AIDCST	Aid_Ratio	Ratio of total aid to student budget 2003-04
AIDSNEED	Aid_Need	Aid amount exceeding federal need 2003-04
AIDSRC	Aid_Package	Aid package by source of aid 2003-04
AIDTYPE	Aid_Package	Aid package by type of aid 2003-04
APPDATE	Aid_Application	Application receipt date 2003-04
APPS04	Education_Reasons_School Choice	Number of schools applied 2004
AT1DEN6Y	Degree attainment_First	First degree months enrolled through 2009
AT1DIP6Y	Degree attainment_First	First degree intensity pattern through 2009
AT1DM6Y	Degree attainment_First	First degree months elapsed through 2009
AT1DT3Y	Degree attainment_First	First degree date attained through 2006
AT1DT6Y	Degree attainment_First	First degree date attained through 2009
AT1TY3Y	Degree attainment_First	First degree type attained through 2006
AT1TY6Y	Degree attainment_First	First degree type attained through 2009
ATAADT3Y	Degree attainment_First	First associate's degree date attained through 2006
ATAADT6Y	Degree attainment_First	First associate's degree date attained through 2009
ATAAEN6Y	Degree attainment_First	First associate's degree months enrolled through 2009
ATAAM6Y	Degree attainment_First	First associate's degree months elapsed through 2009
ATAANU3Y	Education_Attainment	Number of associate's degree attained through 2006
ATAANU6Y	Education_Attainment	Number of associate's degree attained through 2009
ATAGE6Y	Degree attainment	Age when first attained through 2009
ATBADT3Y	Degree attainment_First	First bachelor's degree date attained through 2006
ATBADT6Y	Degree attainment_First	First bachelor's degree date attained through 2009
ATBAEN6Y	Degree attainment_First	First bachelor's degree months enrolled through 2009

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
ATBAFI6Y	Education_Attainment	Bachelor's degree attainment at first institution through 2009
ATBAFM6Y	Education_Attainment	Bachelor's degree at first institution months elapsed thru 2009
ATBAM6Y	Degree attainment_First	First bachelor's degree months elapsed through 2009
ATBANU3Y	Education_Attainment	Number of bachelor's degree attained through 2006
ATBANU6Y	Education_Attainment	Number of bachelor's degree attained through 2009
ATCTDT3Y	Degree attainment_First	First certificate date attained through 2006
ATCTDT6Y	Degree attainment_First	First certificate date attained through 2009
ATCTEN6Y	Degree attainment_First	First certificate months enrolled through 2009
ATCTM6Y	Degree attainment_First	First certificate months elapsed through 2009
ATCTNU3Y	Education_Attainment	Number of certificates attained through 2006
ATCTNU6Y	Education_Attainment	Number of certificates attained through 2009
ATDEG1	Education_Attainment	Attained degree during 2003-04
ATDEG2	Education_Attainment	Attained degree during 2004-05
ATDEG3	Education_Attainment	Attained degree during 2005-06
ATDEG3Y	Education_Attainment	First year attained degree through 2006
ATDEG4	Education_Attainment	Attained degree during 2006-07
ATDEG5	Education_Attainment	Attained degree during 2007-08
ATDEG6	Education_Attainment	Attained degree during 2008-09
ATDEG6Y	Education_Attainment	First year attained degree through 2009
ATHDEN6Y	Education_Attainment	Highest degree months enrolled through 2009
ATHDM6Y	Education_Attainment	Highest degree months elapsed through 2009
ATHDT3Y	Education_Attainment	Highest degree date attained through 2006
ATHDT6Y	Education_Attainment	Highest degree date attained through 2009
ATHDTF3Y	Education_Attainment	Highest degree date attained at first institution through 2006
ATHDTF6Y	Education_Attainment	Highest degree date attained at first institution through 2009
ATHTY3Y	Education_Attainment	Highest degree attained anywhere through 2006
ATHTY6Y	Education_Attainment	Highest degree attained anywhere through 2009
ATHTYF3Y	Education_Attainment	Highest degree attained at first institution through 2006
ATHTYF6Y	Education_Attainment	Highest degree attained at first institution through 2009
ATLDT3Y	Education_Attainment	Last degree date attained through 2006
ATLDT6Y	Education_Attainment	Last degree date attained through 2009
ATLTY3Y	Education_Attainment	Last degree type attained through 2006
ATLTY6Y	Education_Attainment	Last degree type attained through 2009
ATNUM3Y	Education_Attainment	Number of total degrees attained through 2006
ATNUM6Y	Education_Attainment	Number of total degrees attained through 2009
ATTEND	Education_Attendance	NPSAS: Attendance intensity in fall 2003-04
ATTEND2	Education_Attendance	NPSAS: Attendance intensity in fall (half time) 2003-04
ATTENDA	Education_Reasons	Reason enrolled 2004: Complete associate's degree
ATTENDB	Education_Reasons	Reason enrolled 2004: Complete certificate
ATTENDC	Education_Reasons	Reason enrolled 2004: Job skills
ATTENDD	Education_Reasons	Reason enrolled 2004: Personal interest
ATTENDE	Education_Reasons	Reason enrolled 2004: Transfer to a 2-year college
ATTENDF	Education_Reasons	Reason enrolled 2004: Transfer to a 4-year college
ATTENDG	Education_Reasons	Reason enrolled 2004: Transfer to another college
ATTENDN	Education_Reasons	Reason enrolled 2004: Number of reasons enrolled
ATTNPT	Education_Attendance	NPSAS: Attendance intensity (half time) 2003-04
ATTNPTRN	Education_Attendance	NPSAS: Attendance intensity 2003-04
ATTNSTAT	Education_Attendance	NPSAS: Attendance pattern first year

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
ATTTYPE3Y	Education_Attainment	Degree types attained through 2006
ATTTYPE6Y	Education_Attainment	Degree types attained through 2009
BUDGETAJ	Institution_Price	Price of attendance 2003-04
BUDNONAJ	Institution_Price	Price: Non tuition expense budget 2003-04
CAGI	Finances_Income	Adjusted Gross Income (AGI) 2003-04
CALSYS	Institution_Characteristics	Academic calendar system 2003-04
CAMPAMT	Aid_Federal	Federal campus based aid 2003-04
CARAMT06	Finances_Debt	Monthly car loan payment 2006
CARAMT09	Finances_Debt	Monthly car loan payment 2009
CARLN06	Finances_Debt	Have a car loan 2006
CARLN09	Finances_Debt	Have a car loan 2009
CC2000	Institution_Type	Carnegie code (2000) of institution 2003-04
CC2000A	Institution_Type	Carnegie code (2000) with control 2003-04
CC2005B	Institution_Type	Carnegie: Basic classification 2003-04
CC2005C	Institution_Type	Carnegie: Basic classification collapsed 2003-04
CC2005E	Institution_Type	Carnegie: Enrollment profile 2003-04
CC2005G	Institution_Type	Carnegie: Graduate instructional program 2003-04
CC2005P	Institution_Type	Carnegie: Undergraduate instructional program 2003-04
CC2005S	Institution_Type	Carnegie: Size and setting 2003-04
CC2005U	Institution_Type	Carnegie: Undergraduate profile 2003-04
CCSTAT3Y	Education_Persistence	Community college student 3-year retention and attainment 2006
CCSTAT6Y	Degree attainment	Community college student 6-year retention and attainment 2009
CCTRACK	Education_Attendance	Community college track
CINCMP06	Education_Performance	Ever received an incomplete 2006
CINCOME	Finances_Income	Income: Parents and independent (continuous) 2003-04
CITIZEN2	Background_Demographics	Citizenship status 2003-04
CITZN06	Background_Demographics	Citizenship status 2006
CITZN09	Background_Demographics	Citizenship status 2009
CLASSA	Education_Courses	Type of class 2004: Business (nondegree)
CLASSB	Education_Courses	Type of class 2004: Health (nondegree)
CLASSC	Education_Courses	Type of class 2004: Education (nondegree)
CLASSD	Education_Courses	Type of class 2004: Engineering and engn tech (nondegree)
CLASSE	Education_Courses	Type of class 2004: Computer and info sciences (nondegree)
CLASSF	Education_Courses	Type of class 2004: Social sciences (nondegree)
CLASSG	Education_Courses	Type of class 2004: Natural sciences and math (nondegree)
CLASSH	Education_Courses	Type of class 2004: Arts and humanities (nondegree)
CLASSI	Education_Courses	Type of class 2004: Communications (nondegree)
CLASSJ	Education_Courses	Type of class 2004: Vocational program (nondegree)
CLASSK	Education_Courses	Type of class 2004: University transfer (nondegree)
CLASSL	Education_Courses	Type of class 2004: General education (nondegree)
CLASSX	Education_Courses	Type of class 2004: Others (nondegree)
CLOCK	Institution_Characteristics	Clock hour or credit hour institution 2003-04
CLTY06A	Education_Courses	Type of class 2006: Business (nondegree)
CLTY06B	Education_Courses	Type of class 2006: Health (nondegree)
CLTY06C	Education_Courses	Type of class 2006: Education (nondegree)
CLTY06D	Education_Courses	Type of class 2006: Engineering and engn tech (nondegree)
CLTY06E	Education_Courses	Type of class 2006: Computer and info sciences (nondegree)

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
CLTY06F	Education_Courses	Type of class 2006: Social sciences (nondegree)
CLTY06G	Education_Courses	Type of class 2006: Sciences and mathematics (nondegree)
CLTY06H	Education_Courses	Type of class 2006: Arts and humanities (nondegree)
CLTY06I	Education_Courses	Type of class 2006: Communications (nondegree)
CLTY06J	Education_Courses	Type of class 2006: Vocational program (nondegree)
CLTY06K	Education_Courses	Type of class 2006: University transfer (nondegree)
CLTY06L	Education_Courses	Type of class 2006: General education (nondegree)
CLTY06X	Education_Courses	Type of class 2006: Others (nondegree)
CLTY09A	Education_Courses	Type of class 2009: Arts and humanities (nondegree)
CLTY09B	Education_Courses	Type of class 2009: Business (nondegree)
CLTY09C	Education_Courses	Type of class 2009: Career and technical educ (nondegree)
CLTY09D	Education_Courses	Type of class 2009: Communications (nondegree)
CLTY09E	Education_Courses	Type of class 2009: Computer and info sciences (nondegree)
CLTY09F	Education_Courses	Type of class 2009: Education (nondegree)
CLTY09G	Education_Courses	Type of class 2009: Engineering and engn tech (nondegree)
CLTY09H	Education_Courses	Type of class 2009: Health (nondegree)
CLTY09I	Education_Courses	Type of class 2009: Sciences and mathematics (nondegree)
CLTY09J	Education_Courses	Type of class 2009: Social sciences (nondegree)
CLTY09X	Education_Courses	Type of class 2009: Other (nondegree)
CNSOWE06	Aid_Federal_Loans	Consolidated loan: Amount owed 2006
CNSOWE09	Aid_Federal_Loans	Consolidated loan: Amount owed 2009
CNTLAFFI	Institution_Characteristics	Institution control and affiliation 2003-04
COMHOUR	Public_Service_Participation	Volunteer 2004: Average hours per month
COMHRS06	Public_Service_Participation	Volunteer 2006: Average hours per month
COMHRS09	Public_Service_Participation	Volunteer 2009: Average hours per month
COMNUM	Public_Service_Participation	Volunteer 2004: Number of volunteer activities
COMNUM06	Public_Service_Participation	Volunteer 2006: Number of volunteer activities
COMNUM09	Public_Service_Participation	Volunteer 2009: Number of volunteer activities
COMONE	Public_Service_Participation	Volunteer 2004: One time event
COMONE06	Public_Service_Participation	Volunteer 2006: One time event
COMONE09	Public_Service_Participation	Volunteer 2009: One time event
COMPT087	Survey_Sample	Comparable to 1987 NPSAS (excluding Puerto Rico) 2003-04
COMREQ	Public_Service_Participation	Volunteer 2004: Required or part of program
COMSERV	Public_Service_Participation	Volunteer 2004: Any in last 12 months
COMSERVA	Public_Service_Participation	Volunteer type 2004: Fundraising
COMSERVB	Public_Service_Participation	Volunteer type 2004: Homeless shelter or soup kitchen
COMSERVC	Public_Service_Participation	Volunteer type 2004: Hospital, nursing home
COMSERVD	Public_Service_Participation	Volunteer type 2004: Neighborhood improvement
COMSERVE	Public_Service_Participation	Volunteer type 2004: Service to church
COMSERVF	Public_Service_Participation	Volunteer type 2004: Tutoring or mentoring
COMSERVG	Public_Service_Participation	Volunteer type 2004: Other work with kids
COMSERVX	Public_Service_Participation	Volunteer type 2004: Other types of community service
COMSRV06	Public_Service_Participation	Volunteer 2006: Any in last 12 months
COMSRV09	Public_Service_Participation	Volunteer 2009: Any in last 12 months
CONSIDRA	Education_Reasons_School Choice	Campus safety 2003-04 considered in school choice
CONSIDRB	Education_Reasons_School Choice	Graduation rate 2003-04 considered in school choice
CONSIDRC	Education_Reasons_School Choice	Job placement rate 2003-04 considered in school choice
CONTROL	Institution_Type	NPSAS institution control 2003-04
CRBALDUE	Finances_Debt	Credit cards: Balance due 2004

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
CRDANY09	Finances_Debt	Credit cards: Any 2009
CRDAP04	Education_High School	Advanced Placement credits accepted
CRDBAL06	Finances_Debt	Credit cards: Balance due 2006
CRDBAL09	Finances_Debt	Credit cards: Balance due 2009
CRDCL04	Education_High School	Earned credits for courses at a college while in high school
CRDES04	Education_High School	Earned credits to enter as sophomore
CRDHS04	Education_High School	Earned any college level credits in high school
CRDNUM06	Finances_Debt	Credit cards: Number 2006
CRDPAY06	Finances_Debt	Credit cards: Pay off balance 2006
CRDPAY09	Finances_Debt	Credit cards: Pay off balance 2009
CREDHRS2	Education_Attendance	Total credit hours in 2003-04 (NPSAS institution)
CRPT06	Education_Performance	Ever repeat course for higher grade 2006
CUMOWE06	Finances_Debt_Education	Cumulative total student loan amount owed in 2006
CUMOWE09	Finances_Debt_Education	Cumulative total student loan amount owed in 2009
CUMULN06	Finances_Debt_Education	Cumulative total student loan amount borrowed through 2006
CUMULN09	Finances_Debt_Education	Cumulative total student loan amount borrowed through 2009
CWTHD06	Education_Performance	Ever withdrew after add or drop deadline 2006
DATASRC	Survey_Sample	Data sources (CATI, CADE, and CPS) 2003-04
DEHS04A	Education_Reasons	Delayed enrollment 2004: Worked
DEHS04B	Education_Reasons	Delayed enrollment 2004: Military
DEHS04C	Education_Reasons	Delayed enrollment 2004: Married or family responsibilities
DEHS04D	Education_Reasons	Delayed enrollment 2004: Health problems
DEHS04E	Education_Reasons	Delayed enrollment 2004: Traveled
DEHS04X	Education_Reasons	Delayed enrollment 2004: Other reasons
DELAYENR	Background_Demographics	Delayed enrollment into PSE: Number of years 2003-04
DELIVE	Education_Courses	Distance education used 2004: Live, interactive TV or audio
DEPANY	Background_Family	Dependents: Has dependents 2003-04
DEPANY06	Background_Family	Dependent children: Any 2006
DEPANY09	Background_Family	Dependent children: Any 2009
DEPCARE	Background_Family	Dependent children: In daycare 2003-04
DEPCHILD	Background_Family	Dependent children: Any 2003-04
DEPCLAIM	Background_Demographics	Claimed as a dependent 2003-04
DEPCOST	Background_Family	Dependent children: Daycare costs 2003-04
DEPEND	Background_Demographics	Dependency status 2003-04
DEPEND06	Background_Demographics	Dependency status 2005-06
DEPEND5A	Background_Demographics	Dependency and marital status (separated=married) 2003-04
DEPEND5B	Background_Demographics	Dependency and marital status (separated=unmarried) 2003-04
DEPINC	Finances_Income	Dependent student's family income 2003-04
DEPINC06	Finances_Income	Income of dependent student's parents 2005-06
DEPNUM	Background_Family	Dependents: Total number 2003-04
DEPNUM06	Background_Family	Dependent children: Number 2006
DEPNUM09	Background_Family	Dependent children: Number 2009
DEPNUMCH	Background_Family	Dependent children: Number 2003-04
DEPOLD	Background_Family	Dependent children: Age of oldest 2003-04
DEPOTHER	Background_Family	Dependents: Has dependent other than children 2003-04
DEPTYPE	Background_Family	Dependents: Types of dependents 2003-04
DEPYNG	Background_Family	Dependent children: Age of youngest 2003-04

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
DEPYNG06	Background_Family	Dependent children: Age of youngest 2006
DEPYNG09	Background_Family	Dependent children: Age of youngest 2009
DERECR	Education_Courses	Distance education used 2004: Pre recorded TV or audio
DEWWW	Education_Courses	Distance education used 2004: The internet
DGEVR06	Education_Future	Highest degree ever expected 2006
DGEVR09	Education_Future	Highest degree ever expected 2009
DGEXPCHG	Student's_Goals	Changes in highest degree expected between 2003 and 2009
DGOALY1	Student's_Goals	Degree goal first year
DGPLNY1	Student's_Goals	Degree plans first year
DGTRNY1	Student's_Goals	Transfer and degree plans first year
DIRECTLN	Financial aid_Stafford	Stafford loan, Direct, or FFELP program indicator 2003-04
DISABL06	Background_Disabilities	Disability 2006: Any
DISABL09	Background_Disabilities	Disability 2009: Any
DISABLE	Background_Disabilities	Disability 2004: Any
DISMOB06	Background_Disabilities	Disability 2006: Physical condition
DISMOB09	Background_Disabilities	Disability 2009: Mobility condition
DISMOBIL	Background_Disabilities	Disability 2004: Physical condition
DISOTH06	Background_Disabilities	Disability 2006: Other conditions
DISOTH09	Background_Disabilities	Disability 2009: Other condition
DISOTHER	Background_Disabilities	Disability 2004: Other conditions
DISOTHRA	Background_Disabilities	Difficulty 2004: Dressing, bathing, or getting around
DISOTHRB	Background_Disabilities	Difficulty 2004: Getting to school to attend class
DISOTHRC	Background_Disabilities	Difficulty 2004: Learning, remembering, or concentrating
DISOTHRD	Background_Disabilities	Difficulty 2004: Working at a job
DISSEN06	Background_Disabilities	Disability 2006: Sensory condition
DISSEN09	Background_Disabilities	Disability 2009: Sensory condition
DISSENSR	Background_Disabilities	Disability 2004: Sensory condition
DISTALL	Education_Courses	Distance education 2004: Entire program
DISTEDUC	Education_Courses	Distance education 2004: Took courses
DISTLOC	Education_Courses	Distance education 2004: Location of courses
DISTNC06	Background_Residence	Distance from most recent institution 2006
DISTNUM	Education_Courses	Distance education 2004: Number of courses took
DISTSATF	Education_Courses	Distance education 2004: Satisfaction
DISTYPES	Background_Disabilities	Disability 2004: Main condition
EDPCT09	Finances_Debt_Education	Monthly student loan payment as percent of monthly income 2009
EFC	Aid_Need	Expected Family Contribution (EFC composite) 2003-04
EFCAID	Aid_Need	Aid subject to federal EFC limitation 2003-04
EMPL09	Finances_Debt_Education	Loan debt influenced employment plans 2009
EMPL09A	Finances_Debt_Education	Loan debt influenced plans 2009: Had to work more hours
EMPL09B	Finances_Debt_Education	Loan debt influenced plans 2009: Had to work more than one job
EMPL09C	Finances_Debt_Education	Loan debt influenced plans 2009: Took job outside field
EMPL09D	Finances_Debt_Education	Loan debt influenced plans 2009: Took less desirable job
EMPL09X	Finances_Debt_Education	Loan debt influenced plans 2009: Other reasons
EMPLWAIV	Aid_Institutional_Grants	Institutional tuition waivers for staff 2003-04
EMPLYAM1	Aid_Outside_Grants	Employer aid (student) 2003-04
EMPLYAM2	Aid_Outside_Grants	Employer aid (parents) 2003-04

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
EMPLYAM3	Aid_Outside_Grants	Employer aid (student & parents) 2003-04
EMPLYAMT	Aid_Grants	Employer aid (includes college staff) 2003-04
EMPTYP06	Employment_While Enrolled	Job while enrolled 2006: Type of employer
EMPTYP09	Employment_While Enrolled	Job while enrolled 2009: Type of employer
ENCOEN3Y	Education_Attendance	Ever co-enrolled through 2006
ENCOEN6Y	Education_Attendance	Ever co-enrolled through 2009
ENDTFI3Y	Education_Persistence	First institution date last enrolled as of 2006
ENDTFI6Y	Education_Persistence	First institution date last enrolled as of 2009
ENDTFS	Education_Attendance	Date of first enrollment
ENDTLA3Y	Education_Attendance	Date of last enrollment through 2006
ENDTLA5Y	Education_Attendance	Date of last enrollment through 2008
ENDTLA6Y	Education_Attendance	Date of last enrollment through 2009
ENINFM	Education_Attendance	NPSAS: Attendance intensity first month enrolled 2003-04
ENINLM3Y	Education_Attendance	Attendance intensity last month enrolled through 2006
ENINLM6Y	Education_Attendance	Attendance intensity last month enrolled through 2009
ENINPT1	Education_Attendance	Attendance intensity pattern in 2003-04
ENINPT2	Education_Attendance	Attendance intensity pattern in 2004-05
ENINPT3	Education_Attendance	Attendance intensity pattern in 2005-06
ENINPT3Y	Education_Attendance	Attendance intensity pattern through 2006
ENINPT4	Education_Attendance	Attendance intensity pattern in 2006-07
ENINPT5	Education_Attendance	Attendance intensity pattern in 2007-08
ENINPT6	Education_Attendance	Attendance intensity pattern in 2008-09
ENINPT6Y	Education_Attendance	Attendance intensity pattern through 2009
ENINUM1	Education_Attendance	Number of institutions attended in 2003-04
ENINUM2	Education_Attendance	Number of institutions attended in 2004-05
ENINUM3	Education_Attendance	Number of institutions attended in 2005-06
ENINUM3Y	Education_Attendance	Number of institutions attended through 2006
ENINUM4	Education_Attendance	Number of institutions attended in 2006-07
ENINUM5	Education_Attendance	Number of institutions attended in 2007-08
ENINUM6	Education_Attendance	Number of institutions attended in 2008-09
ENINUM6Y	Education_Attendance	Number of institutions attended through 2009
ENLEN	Education_Attendance	NPSAS: Months enrolled total 2003-04
ENLY3Y	Education_Persistence	Last academic year enrolled anywhere through 2006
ENLY6Y	Education_Persistence	Last academic year enrolled anywhere through 2009
ENLYAT3Y	Education_Persistence	Last academic year with no attainment anywhere through 2006
ENLYAT6Y	Education_Persistence	Last academic year with no attainment anywhere through 2009
ENLYF3Y	Education_Persistence	Last academic year with no attainment at first inst through 2006
ENLYF6Y	Education_Persistence	Last academic year with no attainment at first inst through 2009
ENMNEL3Y	Education_Attendance	Months elapsed from first to last enrollment through 2006
ENMNEL6Y	Education_Attendance	Months elapsed from first to last enrollment through 2009
ENMNFT1	Education_Attendance	Months enrolled full time in 2003-04
ENMNFT2	Education_Attendance	Months enrolled full time in 2004-05
ENMNFT3	Education_Attendance	Months enrolled full time in 2005-06
ENMNFT3Y	Education_Attendance	Months enrolled full time (total) through 2006

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
ENMNFT4	Education_Attendance	Months enrolled full time in 2006-07
ENMNFT5	Education_Attendance	Months enrolled full time in 2007-08
ENMNFT6	Education_Attendance	Months enrolled full time in 2008-09
ENMNFT6Y	Education_Attendance	Months enrolled full time (total) through 2009
ENMNPT1	Education_Attendance	Months enrolled part time in 2003-04
ENMNPT2	Education_Attendance	Months enrolled part time in 2004-05
ENMNPT3	Education_Attendance	Months enrolled part time in 2005-06
ENMNPT3Y	Education_Attendance	Months enrolled part time (total) through 2006
ENMNPT4	Education_Attendance	Months enrolled part time in 2006-07
ENMNPT5	Education_Attendance	Months enrolled part time in 2007-08
ENMNPT6	Education_Attendance	Months enrolled part time in 2008-09
ENMNPT6Y	Education_Attendance	Months enrolled part time (total) through 2009
ENMNT1	Education_Attendance	Months enrolled during 2003-04
ENMNT2	Education_Attendance	Months enrolled during 2004-05
ENMNT3	Education_Attendance	Months enrolled during 2005-06
ENMNT3Y	Education_Attendance	Months enrolled (total) through 2006
ENMNT4	Education_Attendance	Months enrolled during 2006-07
ENMNT5	Education_Attendance	Months enrolled during 2007-08
ENMNT6	Education_Attendance	Months enrolled during 2008-09
ENMNT6Y	Education_Attendance	Months enrolled (total) through 2009
ENRFALL	Education_Attendance	NPSAS: Enrolled from July through Dec in 2003
ENRFSIZE	Institution_Characteristics	Enrollment size 2003-04
ENRPLN06	Education_Attendance	Future enrollment plans 2006
ENRSPR	Education_Attendance	NPSAS: Enrolled from Jan through June in 2004
ENRSTAT	Education_Attendance	NPSAS: Enrollment pattern 2003-04
FALLDGFT	Education_Program	Fall 2003 beginners
FALLHSFT	Education_Program	Recent high school graduates enrolled full time in fall 2003
FCONTROL	Institution_Type	First institution control 2003-04
FEDAPP	Aid_Application	Applied for federal aid 2003-04
FEDGRPCT	Aid_Ratio	Ratio of federal grants to total aid 2003-04
FEDLNPAK	Aid_Package	Federal loan package by type of loan 2003-04
FEDNEED	Aid_Federal	Federal need based aid 2003-04
FEDPACK	Aid_Package	Federal aid package by type of aid 2003-04
FEDPCT	Aid_Ratio	Ratio of federal aid to total aid 2003-04
FEDTAX	Finances_Income	Federal income taxes paid 2003-04
FEDTXBRK	Finances_Income	Federal income tax bracket 2003-04
FGRNT_P	Institution_Characteristics	Percent received federal grants at institution 2003-04
FGRTLN	Aid_Total	Total federal grants and loans (except PLUS) 2003-04
FLEVEL	Institution_Type	First institution level 2003-04
FLNPCT	Aid_Ratio	Ratio of federal loans to federal grants and loans 2003-04
FLNPCT6	Aid_Ratio	Ratio of federal loans to federal aid 2003-04
FORESCH	Education_High School	Ever attended foreign K-12 school
FPOFFER	Institution_Type	First professional degree program offered 2003-04
FREQ04A	Education_Experiences	Frequency 2004: Faculty informal meeting
FREQ04B	Education_Experiences	Frequency 2004: Faculty talk outside class
FREQ04C	Education_Experiences	Frequency 2004: Meet academic advisor
FREQ04D	Education_Experiences	Frequency 2004: Fine arts activities
FREQ04E	Education_Experiences	Frequency 2004: School clubs

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
FREQ04F	Education_ Experiences	Frequency 2004: School sports
FREQ04G	Education_ Experiences	Frequency 2004: Study groups
FREQ06A	Education_ Experiences	Frequency 2006: Faculty informal meeting
FREQ06B	Education_ Experiences	Frequency 2006: Faculty talk outside class
FREQ06C	Education_ Experiences	Frequency 2006: Meet academic advisor
FREQ06D	Education_ Experiences	Frequency 2006: Fine arts activities
FREQ06E	Education_ Experiences	Frequency 2006: School clubs
FREQ06F	Education_ Experiences	Frequency 2006: School sports
FREQ06G	Education_ Experiences	Frequency 2006: Study groups
FSECD0C	Institution_ Type	First institution doctorate granting 2003-04
FSECTOR	Institution_ Type	First institution sector (level and control) 2003-04
FSECTOR9	Institution_ Type	First institution type 2003-04
GENDER	Background_ Demographics	Gender
GPA	Education_ Performance	Grade point average 2003-04
GPA06	Education_ Performance	Grade point average 2006
GPA09	Education_ Performance	Grade point average estimate 2009
GPALAST	Education_ High School	Grade point average estimate when last enrolled thru 2009
GPASC06	Education_ Performance	GPA measured on 4.0 scale 2006
GRCRED09	Education_ Graduate	Earned credit in non-degree coursework since bachelor's degree
GRDEG09	Education_ Graduate	Enrolled in degree/certificate program since bachelor's degree
GRENR09	Education_ Graduate	Currently enrolled in graduate school 2009
GREXP09	Education_ Graduate	Expect to enroll in post-baccalaureate program before July 2009
GRNDEG09	Education_ Graduate	Enrolled in non-degree coursework since bachelor's degree
GRNTSRC	Aid_ Package	Grant package by source of grant 2003-04
GRTCST	Aid_ Ratio	Ratio of grant aid to student budget 2003-04
GRTLOAN	Aid_ Ratio	Ratio of grants to total loans 2003-04
GRTPTCT	Aid_ Ratio	Ratio of grants to total aid 2003-04
GRTPTCTN	Aid_ Ratio	Ratio of grant aid to tuition 2003-04
GRTRATIO	Aid_ Ratio	Ratio of grants to grants and loans 2003-04
HBCU	Institution_ Characteristics	Historical Black College indicator 2003-04
HCGPAREP	Education_ High School	High school grade point average (GPA)
HCMATH	Education_ High School	Highest level of high school mathematics
HCYSENGL	Education_ High School	Years of English in high school
HCYSLANG	Education_ High School	Years of foreign languages in high school
HCYSMATH	Education_ High School	Years of mathematics in high school
HCYSSCIE	Education_ High School	Years of science in high school
HCYSSOCI	Education_ High School	Years of social studies in high school
HHCP09A	Family_ Other	Household composition 2009: Children or dependents
HHCP09B	Family_ Other	Household composition 2009: Live alone
HHCP09C	Family_ Other	Household composition 2009: Parents or in-laws
HHCP09D	Family_ Other	Household composition 2009: Spouse or domestic partner
HHCP09X	Family_ Other	Household composition 2009: Other
HIGHLVEX	Education_ Future	Highest degree ever expected 2003-04
HISPANIC	Background_ Demographics	Race/ethnicity: Hispanic or Latino origin
HISPTYPE	Background_ Demographics	Race/ethnicity: Type of Hispanic origin

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
HLOFFER	Institution_Type	Highest level of offering (first institution) 2003-04
HOMEDIST	Background_Residence	Distance from first institution 2003-04
HOMEPAR	Finances_Assets	Assets: Parent owns home 2003-04
HOMESTUD	Finances_Assets	Assets: Student owns home 2003-04
HOUSE06	Finances_Debt	Own home or pay rent 2006
HOUSE09	Finances_Debt	Own home or pay rent 2009
HRSWK06	Employment_While Enrolled	Job while enrolled 2006: Hours worked per week
HRSWK09	Employment_While Enrolled	Job while enrolled 2009: Hours worked per week
HSDEG	Education_High School	High school degree type
HSGRADYY	Education_High School	High school graduation year
HSIZE	Background_Family	Family size (dependent & independent) 2003-04
HSIZE06	Background_Family	Family size (dependent & independent) 2005-06
HSTYPE	Education_High School	High school type attended
HURENR	Education_Experiences	Hurricane 2005 impact: Any enrollment effect
HURPLA	Education_Experiences	Hurricane 2005 impact: Transferred temporarily
HURPLB	Education_Experiences	Hurricane 2005 impact: Transferred permanently
HURPLC	Education_Experiences	Hurricane 2005 impact: Took classes on-line
HURPLD	Education_Experiences	Hurricane 2005 impact: Delayed enrollment
HURPLE	Education_Experiences	Hurricane 2005 impact: Dropped out
HURPLF	Education_Experiences	Hurricane 2005 impact: Other action
IMMIGRA	Background_Family	Immigrant status 2003-04
IMPT04B	Background_Goals	Importance 2004: Being community leader
IMPT04C	Background_Goals	Importance 2004: Being financially well off
IMPT04D	Background_Goals	Importance 2004: Having children
IMPT04E	Background_Goals	Importance 2004: Influence political structure
IMPT04F	Background_Goals	Importance 2004: Leisure time
IMPT04G	Background_Goals	Importance 2004: Living close to relatives
IMPT04H	Background_Goals	Importance 2004: Moving away from hometown
IMPT04I	Background_Goals	Importance 2004: Steady work
IMPT06A	Background_Goals	Importance 2006: Recognized expert
IMPT06B	Background_Goals	Importance 2006: Being community leader
IMPT06C	Background_Goals	Importance 2006: Being financially well off
IMPT06D	Background_Goals	Importance 2006: Having children
IMPT06E	Background_Goals	Importance 2006: Influence political structure
IMPT06F	Background_Goals	Importance 2006: Leisure time
IMPT06G	Background_Goals	Importance 2006: Living close to relatives
IMPT06H	Background_Goals	Importance 2006: Moving away from hometown
IMPT06I	Background_Goals	Importance 2006: Steady work
IMPT06J	Background_Goals	Importance 2006: Meaning and purpose
IMPT06K	Background_Goals	Importance 2006: Helping others
INATHAMT	Aid_Institutional_Grants	Athletic scholarships 2003-04
INCGRP	Finances_Income	Income group in 2003-04
INCGRP2	Finances_Income	Income group 2003-04
INCOME	Finances_Income	Total income by dependency (categorical) 2003-04
INCOME06	Finances_Income	Total income by dependency (categorical) 2005-06
INCPS	Survey_Sample	Data available from CPS 2003-04
INCRES05	Finances_Income	Respondent's annual income for current job 2006
INCRES09	Finances_Income	Respondent's annual income for current job 2009

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
INCSPS05	Finances_Income	Spouse's income from all sources in 2005
INCSPS08	Finances_Income	Spouse's income from all sources in 2008
INCTOT05	Finances_Income	Annual income household total 2006
INCTOT08	Finances_Income	Annual income household total 2009
INDEPINC	Finances_Income	Income of independent student and spouse 2003-04
INDINC06	Finances_Income	Income of independent student and spouse 2005-06
INGRTAMT	Aid_Institutional_Grants	Institutional grants total 2003-04
INJURIS	Institution_Price	Price: Tuition jurisdiction 2003-04
INLNAMT	Aid_Institutional	Institutional loans 2003-04
INNSLDS	Survey_Sample	Data available from NSLDS federal loan record 2003-04
INSMERIT	Aid_Institutional_Grants	Institutional merit only grants 2003-04
INSTAMT	Aid_Institutional	Institutional aid total 2003-04
INSTGPCT	Aid_Ratio	Ratio of institutional grants to total aid 2003-04
INSTNEED	Aid_Institutional_Grants	Institutional need based grants 2003-04
INSTNOND	Aid_Institutional_Grants	Institutional no need & merit grants 2003-04
INSTPACK	Aid_Package	Aid package with institutional aid 2003-04
INSTPCT	Aid_Ratio	Ratio of institution aid to total aid 2003-04
INSTSTAT	Institution_Characteristics	Institution state 2003-04
INSTWRK	Aid_Institutional	Institutional work study 2003-04
INSWAIV	Aid_Institutional_Grants	Institutional tuition & fee waivers 2003-04
IT2YPU3Y	Institution_Type	Ever attended 2-year public institution 2006
IT2YPU6Y	Institution_Type	Ever attended 2-year public institution 2009
IT4Y3Y	Institution_Type	Ever attended 4-year institution 2006
IT4Y6Y	Institution_Type	Ever attended 4-year institution 2009
IT4YPN3Y	Institution_Type	Ever attended 4-year private nfp institution 2006
IT4YPN6Y	Institution_Type	Ever attended 4-year private nfp institution 2009
IT4YPU3Y	Institution_Type	Ever attended 4-year public institution 2006
IT4YPU6Y	Institution_Type	Ever attended 4-year public institution 2009
ITCTLA3Y	Institution_Type	Institution control last attended through 2006
ITCTLA6Y	Institution_Type	Institution control last attended through 2009
ITFP3Y	Institution_Type	Ever attended for-profit institution 2006
ITFP6Y	Institution_Type	Ever attended for-profit institution 2009
ITLVLA3Y	Institution_Type	Institution level last attended through 2006
ITLVLA6Y	Institution_Type	Institution level last attended through 2009
ITTYLA3Y	Institution_Type	Institution type last attended through 2006
ITTYLA5Y	Institution_Type	Institution type last attended through 2008
ITTYLA6Y	Institution_Type	Institution type last attended through 2009
JBEN09A	Employment_Benefits	Job 2009 employer offers benefits: Life insurance
JBEN09B	Employment_Benefits	Job 2009 employer offers benefits: Medical insurance
JBEN09C	Employment_Benefits	Job 2009 employer offers benefits: Retirement benefits
JOBAFFOR	Employment_While Enrolled	Job while enrolled 2004: Afford school without working
JOBEG06	Employment_Description	Job 2006: Begin date
JOBEN06	Employment_Description	Job 2006: Health insurance offered
JOBCAR06	Employment_Description	Job 2006: Related to career goals
JOBCAR09	Employment_Description	Job 2009: Consider current job start of career
JOBCLASS	Employment_While Enrolled	Job while enrolled 2004: Related to (non degree) coursework
JOBCLS06	Employment_Description	Job 2006: Took classes toward certificate
JOBD09A	Employment_Description	Job 2009 description: Allows freedom for other interests

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
JOB09B	Employment_Description	Job 2009 description: Pays the bills
JOB09C	Employment_Description	Job 2009 description: Provides benefits
JOB09D	Employment_Description	Job 2009 description: Provides experience for future
JOB09X	Employment_Description	Job 2009 description: Others
JOB09F	Employment_Description	Job 2009: Difficulty in job without undergraduate coursework
JOBEARN	Finances_Income	Job while enrolled 2004: Earnings (exclude work study)
JOBEARN2	Finances_Income	Job 2004: Earnings (include work study)
JOBEFFA	Employment_While Enrolled	Job effect 2004: Helped with career preparation (student)
JOBEFFB	Employment_While Enrolled	Job effect 2004: Helped with coursework (student)
JOBEFFC	Employment_While Enrolled	Job effect 2004: Restricted class choice (student)
JOBEFFD	Employment_While Enrolled	Job effect 2004: Limited class schedule (student)
JOBEFFE	Employment_While Enrolled	Job effect 2004: Limited facility access (student)
JOBEFFF	Employment_While Enrolled	Job effect 2004: Limited number of classes (student)
JOBEFFGR	Employment_While Enrolled	Job effect 2004: On grades (student)
JOBE06	Employment_Description	Job 2006: Type of employer
JOBE09	Employment_Description	Job 2009: Type of employer
JOBE04	Employment_While Enrolled	Job while enrolled 2004: Type of employer
JOBE04I	Employment_While Enrolled	Job while enrolled 2004: Work intensity (exclude work study)
JOBE04I2	Employment_While Enrolled	Job 2004: Work intensity (include work study)
JOBE04I3	Employment_While Enrolled	Job while enrolled 2004: Parents expected student to have a job
JOBE06F	Employment_Description	Job 2006: First job after leaving school
JOBE09F	Employment_Description	Job 2009: First job after leaving school
JOBE04H	Employment_While Enrolled	Job while enrolled 2004: Hours worked per week (excl work study)
JOBE04H2	Employment_While Enrolled	Job 2004: Hours worked per week (incl work study)
JOBE06H	Employment_Description	Job 2006: Hours worked weekly
JOBE09H	Employment_Description	Job 2009: Hours worked weekly
JOBE06I	Employment_Description	Job 2006: Type of industry
JOBE09I	Employment_Description	Job 2009: Type of industry
JOBE06I3	Employment_Description	Job 2006: Had an internship or practicum
JOBE06I4	Employment_Licensure	Job 2006: License or certification required (general code)
JOBE09I4	Employment_Licensure	Job 2009: License or certification required (general code)
JOBE06I5	Employment_Licensure	Job 2009: Already hold license or certification
JOBE06I6	Employment_Licensure	Job 2006: License or certification required (specific code)
JOBE09I6	Employment_Licensure	Job 2009: License or certification required (specific code)
JOBE04J	Employment_While Enrolled	Job while enrolled 2004: Main reason for working (student)
JOBE04J2	Employment_While Enrolled	Job while enrolled 2004: Job related to major (degree)
JOBE09J	Employment_Description	Job 2009: Total number of months in same or similar job
JOBE04K	Employment_While Enrolled	Job while enrolled 2004: Number of jobs (exclude work study)
JOBE04K2	Employment_While Enrolled	Job 2004: Number of jobs (include work study)
JOBE06K	Employment_Description	Job 2006: Type of occupation
JOBE09K	Employment_Description	Job 2009: Type of occupation
JOBE04L	Employment_While Enrolled	Job while enrolled 2004: Job located primarily on or off campus
JOBE06M	Employment_Search	Job 2006 placement: Advertisement
JOBE06N	Employment_Search	Job 2006 placement: Networking
JOBE06O	Employment_Search	Job 2006 placement: Others

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
JOBPR06	Employment_Search	Job 2006 placement: Resume
JOBPRIOR	Employment_While Enrolled	Job while enrolled 2004: Have job prior to enrollment
JOBPS06	Employment_Search	Job 2006 placement: School assistance
JOBPS09	Employment_Status	Job 2009 placement: School assistance
JOBR09A	Employment_Description	Job 2009 responsibilities: Hiring or firing decisions
JOBR09B	Employment_Description	Job 2009 responsibilities: Set salaries
JOBR09C	Employment_Description	Job 2009 responsibilities: Supervise others
JOBRCR06	Employment_Description	Job 2006: Related to coursework
JOBRCR09	Employment_Description	Job 2009: Related to coursework
JOBRICT06	Employment_Licensure	Job 2006: Employer required vocational or technical certificate
JOBRICT09	Employment_Licensure	Job 2009: Employer required vocational or technical certificate
JOBRDG06	Employment_Licensure	Job 2006: Employer required 2 or 4-year college degree
JOBRDG09	Employment_Licensure	Job 2009: Employer required 2 or 4-year college degree
JOBRLC06	Employment_Licensure	Job 2006: Employer required industry certification or license
JOBRLC09	Employment_Licensure	Job 2009: Employer required industry certification or license
JOBRLM06	Employment_Description	Job 2006: Related to major
JOBRLM09	Employment_Description	Job 2009: Related to major
JOBROLE	Employment_While Enrolled	Job while enrolled 2004: Student or employee (exclude work study)
JOBROLE2	Employment_While Enrolled	Job 2004: Student or employee (include work study)
JOBRR06	Employment_Licensure	Job 2006: Required certificate, license, or degree
JOBRR09	Employment_Licensure	Job 2009: Required certificate, license, or degree
JOBS09A	Employment_Satisfaction	Job 2009 satisfaction: Fringe benefits
JOBS09B	Employment_Satisfaction	Job 2009 satisfaction: Importance and challenge
JOBS09C	Employment_Satisfaction	Job 2009 satisfaction: Job security
JOBS09D	Employment_Satisfaction	Job 2009 satisfaction: Opportunities for future training
JOBS09E	Employment_Satisfaction	Job 2009 satisfaction: Opportunities for promotion
JOBS09F	Employment_Satisfaction	Job 2009 satisfaction: Opportunities to use education
JOBS09G	Employment_Satisfaction	Job 2009 satisfaction: Overall
JOBS09H	Employment_Satisfaction	Job 2009 satisfaction: Pay
JOBSAVE	Finances_Income	Job while enrolled 2004: Summer savings
JOBSBE09	Employment_Description	Job 2009: Same or similar job before enrolled
JOBSCHA	Employment_While Enrolled	School and work 2004: Took class outside work (employee)
JOBSCHB	Employment_While Enrolled	School and work 2004: Took distance education (employee)
JOBSCHC	Employment_While Enrolled	School and work 2004: Modify work schedule (employee)
JOBSIM06	Employment_Description	Job 2006: Same or similar job while enrolled
JOBSIM09	Employment_Description	Job 2009: Same or similar job while enrolled
JOBST06	Employment_Status	Job 2006: Employment status
JOBST09	Employment_Status	Job 2009: Employment status
JOBSUMMR	Finances_Income	Job while enrolled 2004: Had summer job
JOBTRN06	Employment_Description	Job 2006: Courses not needed to get job
JOBTTYPE	Employment_While Enrolled	Job while enrolled 2004: Type of job (exclude work study)
JOBUG09	Employment_Description	Job 2009: Undergraduate education helped advance career
JOBWEEK	Employment_While Enrolled	Job while enrolled 2004: Frequency worked per week
LEVEL	Institution_Type	NPSAS institution level 2003-04
LNDWI09	Finances_Expenses	Loan debt worthwhile investment 2009

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
LNHELP09	Finances_Debt	Anyone helping to repay loans
LNIEP09	Finances_Expenses	Loan influenced enrollment plans 2009
		Loan effect on enrollment 2009: Chose more affordable school
LNIN09A	Finances_Expenses	Loan effect on enrollment 2009: Enrolled during summer
LNIN09B	Finances_Expenses	Loan effect on enrollment 2009: Enrolled sooner
LNIN09C	Finances_Expenses	Loan effect on enrollment 2009: Increased/decreased classes
LNIN09D	Finances_Expenses	Loan effect on enrollment 2009: Postponed enrollment
LNIN09E	Finances_Expenses	Loan effect on enrollment 2009: Took terms off
LNIN09F	Finances_Expenses	Loan effect on enrollment 2009: Other reasons
LNIN09X	Finances_Expenses	Ratio of loans to grants and loans 2003-04
LNPCT	Aid_Ratio	
LNPCT6	Aid_Ratio	Ratio of loans to total aid 2003-04
LNTY09A	Financial aid_Loans	Type of student loan borrowed 2009: Federal
LNTY09B	Financial aid_Loans	Type of student loan borrowed 2009: Private
LNTY09C	Financial aid_Loans	Type of student loan borrowed 2009: Others
LOANCST	Aid_Ratio	Ratio of loans to student budget (excludes PLUS) 2003-04
LOANCST2	Aid_Ratio	Ratio of loans to student budget (includes PLUS) 2003-04
LOANPCT	Aid_Ratio	Ratio of loans to total aid (excludes PLUS) 2003-04
LOANPCT2	Aid_Ratio	Ratio of loans to total aid (includes PLUS) 2003-04
LOANSRC	Aid_Package	Loan package by source of loan 2003-04
LOANST06	Finances_Debt_Education	Federal student loan repayment status in 2006
LOANST09	Finances_Debt_Education	Federal student loan repayment status in 2009
LOCALE	Institution_Characteristics	Degree of urbanization 2003-04
LOCALR06	Background_Residence	Housing when last enrolled 2006
LOCALR09	Background_Residence	Housing when last enrolled 2009
LOCALRES	Background_Residence	Housing 2003-04
LOCJOB06	Employment_While Enrolled	Job while enrolled 2006: Location
LOCJOB09	Employment_While Enrolled	Job while enrolled 2009: Location
		Major when first enrolled in 2003-04 (comparable to 2006, 2009)
MAJ04A	Education_Majors	Major when last enrolled 2006
MAJ06A	Education_Majors	Major when last enrolled 2006 (condensed)
MAJ06B	Education_Majors	
MAJ06C	Education_Majors	Major when last enrolled any year through 2006 (condensed)
MAJ06CHG	Education_Majors	Major changed as of 2006
MAJ06DEC	Education_Majors	Major declared as of 2006
MAJ09A	Education_Majors	Major when last enrolled 2009
MAJ09B	Education_Majors	Major when last enrolled 2009 (condensed)
MAJ09C	Education_Majors	Major when last enrolled any year through 2009 (condensed)
MAJ09CHG	Education_Majors	Major changed as of 2009
MAJ09DBL	Education_Majors	Double major earned as of 2009
MAJ09DEC	Education_Majors	Major declared as of 2009
MAJORS	Education_Majors	Major during first year 2003-04
MAJORS12	Education_Majors	Major during first year 2003-04 (condensed)
MAJS06A	Education_Majors	Secondary major when last enrolled 2006
MAJS06B	Education_Majors	Secondary major when last enrolled 2006 (condensed)
MAJS09A	Education_Majors	Secondary major when last enrolled 2009
MAJS09B	Education_Majors	Secondary major when last enrolled 2009 (condensed)
MERITAID	Aid_Grants	Total merit only grants 2003-04

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
MFT	Education_Attendance	NPSAS: Months enrolled full time 2003-04
MHT	Education_Attendance	NPSAS: Months enrolled half time 2003-04
MILTYPE	Public_Service_Participation	Military service type 2003-04
MLT	Education_Attendance	NPSAS: Months enrolled less than half time 2003-04
MNREA09	Employment_While Enrolled	Job while enrolled 2009: Main reason for working
MPT	Education_Attendance	NPSAS: Months enrolled part time 2003-04
MTGAMT06	Finances_Debt	Monthly mortgage or rent payment 2006
MTGAMT09	Finances_Debt	Monthly mortgage or rent payment 2009
NEEDAID	Aid_Total_Grants	Total need based grant aid 2003-04
NETCST1	Aid_Net Price	Student budget minus all aid 2003-04
NETCST10	Aid_Net Price	Tuition and fees minus federal grants 2003-04
NETCST12	Aid_Net Price	Tuition and fees minus state grants 2003-04
NETCST13	Aid_Net Price	Tuition and fees minus institutional grants 2003-04
NETCST14	Aid_Net Price	Tuition and fees minus all non federal grants 2003-04
NETCST15	Aid_Net Price	Tuition and fees minus state and institutional grants 2003-04
NETCST16	Aid_Net Price	Student budget minus federal and state grants 2003-04
NETCST17	Aid_Net Price	Student budget minus all grants and loans 2003-04
NETCST18	Aid_Net Price	Student budget minus all aid except work study 2003-04
NETCST2	Aid_Net Price	Student budget minus federal grants 2003-04
NETCST20	Aid_Net Price	Student budget minus all grants and loans (incl PLUS) 2003-04
NETCST3	Aid_Net Price	Student budget minus all grants 2003-04
NETCST32	Aid_Net Price	Student budget minus all grants and VA benefits 2003-04
NETCST35	Aid_Net Price	Tuition and fees minus all grants and VA benefits 2003-04
NETCST37	Aid_Net Price	Tuition and fees minus federal grants and VA benefits 2003-04
NETCST4	Aid_Net Price	Student budget minus grants and half of loans 2003-04
NETCST40	Aid_Net Price	Student budget minus state and institutional grants 2003-04
NETCST9	Aid_Net Price	Tuition and fees minus all grants 2003-04
NPFST04	Education_Reasons_School Choice	First choice was NPSAS school 2004
NTX05A	Finances_Income	Untaxed benefits 2006: Child support
NTX05B	Finances_Income	Untaxed benefits 2006: Disability payments
NTX05C	Finances_Income	Untaxed benefits 2006: Food stamps
NTX05D	Finances_Income	Untaxed benefits 2006: Social security
NTX05E	Finances_Income	Untaxed benefits 2006: TANF
NTX05F	Finances_Income	Untaxed benefits 2006: Worker's compensation
NTX05G	Finances_Income	Untaxed benefits 2006: FEMA disaster assistance
NTXANY05	Finances_Income	Untaxed benefits 2006: Any received
NUMCRED	Finances_Debt	Credit cards: Number 2004
NUMJOB06	Employment_While Enrolled	Job while enrolled 2006: Number of jobs
NUMJOB09	Employment_While Enrolled	Job while enrolled 2009: Number of jobs
OBereg	Institution_Characteristics	Institution region 2003-04
OCRHSI	Institution_Characteristics	Hispanic serving institution 2003-04
ORPHAN	Parent_Family	Orphan or ward of court 2003-04
OTHFDGRT	Aid_Federal_Grants	Other federal grants (not Title IV) 2003-04
OTHGTAMT	Aid_Outside_Grants	Outside grants (private and employer) 2003-04
OTHRSCR	Aid_Outside	Outside sources total 2003-04
OTHTYPE	Aid_Outside	Total other type of aid 2003-04

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
OWNINVST	Finances_Assets	Student owns investments, business, or farm over \$10,000 2003-04
PARALLOW	Parent_Support	Help from parents 2004: Monthly allowance
PARBORN	Parent_Family	Parents were born in the United States
PARCOLL	Parent_Education	Parents taking college courses in 2003-2004
PARDIE06	Parent_Family	Parents deceased 2006
PARDIE09	Parent_Family	Parents deceased 2009
PAREduc	Parent_Education	Parent's highest level of education
PARESTA	Parent and family_Income	Parents own investments, business, or farm over \$10,000 2003-04
PARHELN	Parent_Support	Help from parents 2004: Number of types
PARHELPA	Parent_Support	Help from parents 2004: Pay housing
PARHELPB	Parent_Support	Help from parents 2004: Pay other expenses
PARHELPC	Parent_Support	Help from parents 2004: Pay living expenses
PARHELPD	Parent_Support	Help from parents 2004: Pay tuition and fees
PARHELT	Parent_Support	Help from parents 2004: Types (tuition or non-tuition)
PARINC06	Parent_Income	Parent's income 2006
PARLIVE	Background_Residence	Lived with parents while not enrolled 2003-04
PARPAYCR	Finances_Debt	Credit cards: Parents help pay 2003-04
PARSP06A	Parent_Support	Help from parents 2006: Pay tuition and fees
PARSP06B	Parent_Support	Help from parents 2006: Pay other expenses
PARSP06C	Parent_Support	Help from parents 2006: Pay housing
PARSP06D	Parent_Support	Help from parents 2006: Pay living expenses
PARSP06E	Parent_Support	Help from parents 2006: None
PAYOFBAL	Finances_Debt	Credit cards: Pay off balance 2003-04
PAYTUIT	Finances_Debt	Credit cards: Use to pay tuition 2003-04
PCTALL	Finances_Income	Income percentile rank for all students 2003-04
PCTDEP	Finances_Income	Income percentile dependent students 2003-04
PCTINDEP	Finances_Income	Income percentile independent students 2003-04
PCTMIN1	Institution_Characteristics	Percent enrolled: Black, non Hispanic 2003-04
PCTMIN2	Institution_Characteristics	Percent enrolled: American Indian or Alaskan 2003-04
PCTMIN3	Institution_Characteristics	Percent enrolled: Asian or Pacific Islander 2003-04
PCTMIN4	Institution_Characteristics	Percent enrolled: Hispanic 2003-04
PCTPOV	Finances_Income	Income as percent of poverty level 2003-04
PCT_MIN	Institution_Characteristics	Percent minority enrollment 2003-04
PDADDED	Parent_Education	Father's highest education level 2003-04
PELFRSTY	Financial aid_Pell grant	Pell grant: First academic year received through 2006
PELL04	Financial aid_Pell grant	Pell grant amount during 2003-04
PELL05	Financial aid_Pell grant	Pell grant amount during 2004-05
PELL06	Financial aid_Pell grant	Pell grant amount during 2005-06
PELL07	Financial aid_Pell grant	Pell grant amount during 2006-07
PELL08	Financial aid_Pell grant	Pell grant amount during 2007-08
PELL09	Financial aid_Pell grant	Pell grant amount during 2008-09
PELLCONT	Financial aid_Pell grant	Received Pell grant continuously through 2009
PELLCST	Financial aid_Pell grant	Ratio of Pell grant to student budget 2003-04
PELLCU06	Financial aid_Pell grant	Cumulative Pell through 2006
PELLCU09	Financial aid_Pell grant	Cumulative Pell through 2009
PELLDEP	Financial aid_Pell grant	Pell Grant and dependency status in 2003-04

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
PELLPACK	Financial aid_Pell grant	Aid package with Pell grants 2003-04
PELLRAT1	Financial aid_Pell grant	Ratio of Pell grant to total aid 2003-04
PELLRAT2	Financial aid_Pell grant	Ratio of Pell grant to total grants 2003-04
PELLST06	Financial aid_Pell grant	Pell grant: Last academic year received through 2006
PELLST09	Financial aid_Pell grant	Pell grant: Last academic year received through 2009
PELYRS06	Financial aid_Pell grant	Pell grant: Number of years received 2006
PELYRS09	Financial aid_Pell grant	Pell grant: Number of years received 2009
PERCUM06	Financial aid_Perkins	Cumulative Perkins through 2006
PERCUM09	Financial aid_Perkins	Cumulative Perkins through 2009
PERKAMT	Financial aid_Perkins	Perkins loan 2003-04
PFAMNM06	Parent_Family	Family size (dependent) 2005-06
PFAMNUM	Parent_Family	Family size (dependent) 2003-04
PINCOL	Parent_Family	Number of family members in college (dependent) 2003-04
PINCOL06	Parent_Family	Number of family members in college (dependent) 2005-06
PLFIRSTL	Financial aid_PLUS	PLUS undergraduate loan: First class level borrowed
PLFIRSTY	Financial aid_PLUS	PLUS undergraduate loan: First academic year borrowed
PLFYRS06	Financial aid_PLUS	PLUS undergraduate loan: Number of years borrowed 2006
PLFYRS09	Financial aid_PLUS	PLUS undergraduate loan: Number of years borrowed 2009
PLLSTL06	Financial aid_PLUS	PLUS undergraduate loan: Last class level borrowed 2006
PLLSTL09	Financial aid_PLUS	PLUS undergraduate loan: Last class level borrowed 2009
PLLSTY06	Financial aid_PLUS	PLUS undergraduate loan: Last academic year borrowed 2006
PLLSTY09	Financial aid_PLUS	PLUS undergraduate loan: Last academic year borrowed 2009
PLUCUM06	Financial aid_PLUS	Cumulative PLUS undergraduate loan through 2006
PLUCUM09	Financial aid_PLUS	Cumulative PLUS undergraduate loan through 2009
PLUS04	Financial aid_PLUS	PLUS undergraduate loan amount during 2003-04
PLUS05	Financial aid_PLUS	PLUS undergraduate loan amount during 2004-05
PLUS06	Financial aid_PLUS	PLUS undergraduate loan amount during 2005-06
PLUS07	Financial aid_PLUS	PLUS undergraduate loan amount during 2006-07
PLUS08	Financial aid_PLUS	PLUS undergraduate loan amount during 2007-08
PLUS09	Financial aid_PLUS	PLUS undergraduate loan amount during 2008-09
PLUSPCT	Financial aid_PLUS	Ratio of PLUS undergraduate loan to total aid 2003-04
PMARIT06	Parent_Family	Parent's marital status 2006
PMARITAL	Parent_Family	Parent's marital status 2003-04
PMOMED	Parent_Education	Mother's highest education level 2003-04
PRAT3Y	Education_Persistence	Persistence and attainment anywhere through 2006
PRATT3Y	Education_Persistence	Persistence and attainment 3-year total 2006
PRATT6Y	Education_Persistence	Persistence and attainment 6-year total 2009
PRATY1	Education_Persistence	Attainment and enrollment during 2003-04
PRATY2	Education_Persistence	Attainment and enrollment during 2004-05
PRATY3	Education_Persistence	Attainment and enrollment during 2005-06
PRATY4	Education_Persistence	Attainment and enrollment during 2006-07
PRATY5	Education_Persistence	Attainment and enrollment during 2007-08
PRATY6	Education_Persistence	Attainment and enrollment during 2008-09
PRIMLANG	Background_Family	English is the primary language 2003-04
PRIVAITD	Aid_Outside_Grants	Private sources grants 2003-04
PRIVAMT	Aid_Outside	Total private sources grants and loans 2003-04

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
PRIVLOAN	Aid_Outside	Private (alternative) loans 2003-04
PRLVL3Y	Education_Attainment	Attainment or level of last institution enrolled through 2006
PRLVL5Y	Degree attainment	Attainment or level of last institution enrolled through 2008
PRLVL6Y	Education_Persistence	Attainment or level of last institution enrolled through 2009
PROUT1	Education_Persistence	Cumulative persistence and attainment anywhere 2003-04
PROUT2	Education_Persistence	Cumulative persistence and attainment anywhere 2004-05
PROUT3	Education_Persistence	Cumulative persistence and attainment anywhere 2005-06
PROUT4	Education_Persistence	Cumulative persistence and attainment anywhere 2006-07
PROUT5	Education_Persistence	Cumulative persistence and attainment anywhere 2007-08
PROUT6	Education_Persistence	Cumulative persistence and attainment anywhere 2008-09
		Cumulative retention and attainment at first institution 2003-04
PROUTF1	Education_Persistence	Cumulative retention and attainment at first institution 2004-05
PROUTF2	Education_Persistence	Cumulative retention and attainment at first institution 2005-06
PROUTF3	Education_Persistence	Cumulative retention and attainment at first institution 2006-07
PROUTF4	Education_Persistence	Cumulative retention and attainment at first institution 2007-08
PROUTF5	Education_Persistence	Cumulative retention and attainment at first institution 2008-09
PROUTF6	Education_Persistence	Cumulative retention and attainment at first inst 3-yr total 2006
PROUTFI3	Education_Persistence	Cumulative retention and attainment at first inst 6-yr total 2009
PROUTFI6	Education_Persistence	
PRSP09A	Parent_Support	Help from parents 2009: No financial support
PRSP09B	Parent_Support	Help from parents 2009: Other educational or living expenses
PRSP09C	Parent_Support	Help from parents 2009: Pay tuition and fees
PSECTYR1	Education_Attendance	First year ever enrolled in postsecondary
PT4YRY1	Education_Persistence Track	Persistence track outcome at 4-year institutions 2003-04
PT4YRY2	Education_Persistence Track	Persistence track outcome at 4-year institutions 2004-05
PT4YRY3	Education_Persistence Track	Persistence track outcome at 4-year institutions 2005-06
		Track exit: Last date enrolled on track at 4-year institution 2006
PTX4DT3Y	Education_Persistence Track	Track exit: Type of exit at 4-year institution 2006
PTX4TY3Y	Education_Persistence Track	Track exit: Attendance intensity before exit 2006
PTXIN3Y	Education_Persistence Track	Track exit: Attendance intensity last month enrolled before exit 2006
		Track exit: Last date enrolled on track 2006
PTXMEL3Y	Education_Persistence Track	Months elapsed while on track through 2006
PTXMEN3Y	Education_Persistence Track	Months enrolled while on track through 2006
PTXMFT3Y	Education_Persistence Track	Months enrolled full time while on track through 2006
PTXMPT3Y	Education_Persistence Track	Months enrolled part time while on track through 2006
PTXTY3Y	Education_Persistence Track	Track exit: Type of exit at any type of institution 2006
PTXYR3Y	Education_Persistence Track	Track exit: Last academic year enrolled on track 2006
PUBLST04	Education_Reasons_School Choice	Consulted published list of colleges 2003-04
RAASIAN	Background_Demographics	Race: Asian
RABLACK	Background_Demographics	Race: Black or African American

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
RACE	Background_Demographics	Race/ethnicity
RAD04A	Education_Reasons_School Choice	Reason attended 2004: Program or coursework
RAD04B	Education_Reasons_School Choice	Reason attended 2004: Reputation
RAD04C	Education_Reasons_School Choice	Reason attended 2004: Affordable or financial
RAD04D	Education_Reasons_School Choice	Reason attended 2004: Location
RAD04E	Education_Reasons_School Choice	Reason attended 2004: Personal or family reasons
RAD04X	Education_Reasons_School Choice	Reason attended 2004: Other reasons
RAINDIAN	Background_Demographics	Race: American Indian or Alaska Native
RAINDTRB	Background_Demographics	Race: American Indian or Alaska Native recognized tribe
RAISLAND	Background_Demographics	Race: Native Hawaiian or other Pacific Islander
RAOTHER	Background_Demographics	Race: Other
RAWHITE	Background_Demographics	Race: White
REGACCRD	Institution_Characteristics	Regional accrediting agency
RELCRS06	Employment_While Enrolled	Job while enrolled 2006: Job related to courses
RELCRS09	Employment_While Enrolled	Job while enrolled 2009: Job related to courses
RELMAJ06	Employment_While Enrolled	Job while enrolled 2006: Job related to major
RELMAJ09	Employment_While Enrolled	Job while enrolled 2009: Job related to major
REMEDIA	Education_Courses	Remedial course 2004: Took English
REMEDIB	Education_Courses	Remedial course 2004: Took math
REMEDIC	Education_Courses	Remedial course 2004: Took reading
REMEDID	Education_Courses	Remedial course 2004: Took study skills
REMEDIE	Education_Courses	Remedial course 2004: Took writing
REMETOOK	Education_Courses	Remedial course 2004: Any taken
RISKINDX	Background_Demographics	Risk index and nontraditional indicators 2003-04
RLV04A	Education_Reasons	Reason left 2004: Academic problems
RLV04B	Education_Reasons	Reason left 2004: Scheduling problems
RLV04C	Education_Reasons	Reason left 2004: Dissatisfied with program
RLV04D	Education_Reasons	Reason left 2004: Financial reasons
RLV04E	Education_Reasons	Reason left 2004: Family responsibilities
RLV04F	Education_Reasons	Reason left 2004: Personal reasons
RLV04G	Education_Reasons	Reason left 2004: Finished desired classes
RLV04X	Education_Reasons	Reason left 2004: Other reasons
RLV06A	Education_Reasons	Reason left 2006: Academic problems
RLV06B	Education_Reasons	Reason left 2006: Scheduling problems
RLV06C	Education_Reasons	Reason left 2006: Dissatisfied with program
RLV06D	Education_Reasons	Reason left 2006: Financial reasons
RLV06E	Education_Reasons	Reason left 2006: Family responsibilities
RLV06F	Education_Reasons	Reason left 2006: Personal reasons
RLV06G	Education_Reasons	Reason left 2006: Finished desired classes
RLV06H	Education_Reasons	Reason left 2006: Called for military service
RLV06X	Education_Reasons	Reason left 2006: Other reasons
RNAD04B	Education_Reasons_School Choice	Reason did not attend 2004: Too expensive
RNAD04C	Education_Reasons_School Choice	Reason did not attend 2004: Not enough aid
RNAD04D	Education_Reasons_School Choice	Reason did not attend 2004: Location
RNAD04E	Education_Reasons_School Choice	Reason did not attend 2004: Personal reasons
RNAD04X	Education_Reasons_School Choice	Reason did not attend 2004: Other reasons
RPYAMT09	Finances_Debt_Education	Monthly student loan repayments 2009
RPYSL09	Finances_Debt_Education	Currently repaying student loans 2009

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
RSN2A	Education_Reasons	Purpose (2nd school) 2006: Complete a degree
RSN2B	Education_Reasons	Purpose (2nd school) 2006: Transfer to 4 year
RSN2C	Education_Reasons	Purpose (2nd school) 2006: Earn credits
RSN2D	Education_Reasons	Purpose (2nd school) 2006: Gain job skills
RSN2E	Education_Reasons	Purpose (2nd school) 2006: Personal interest
RSN2F	Education_Reasons	Purpose (2nd school) 2006: Other reasons
RSN3A	Education_Reasons	Purpose (3rd school) 2006: Complete a degree
RSN3B	Education_Reasons	Purpose (3rd school) 2006: Transfer to 4 year
RSN3C	Education_Reasons	Purpose (3rd school) 2006: Earn credits
RSN3D	Education_Reasons	Purpose (3rd school) 2006: Gain job skills
RSN3E	Education_Reasons	Purpose (3rd school) 2006: Personal interest
RSN3F	Education_Reasons	Purpose (3rd school) 2006: Other reasons
RSNLSA	Education_Reasons	Purpose (last school) 2009: Earn a degree
RSNLSB	Education_Reasons	Purpose (last school) 2009: Earn credits
RSNLSC	Education_Reasons	Purpose (last school) 2009: Gain job skills
RSNLSD	Education_Reasons	Purpose (last school) 2009: Personal interest
RSNLSE	Education_Reasons	Purpose (last school) 2009: Transfer to 4 year
RSNLSX	Education_Reasons	Purpose (last school) 2009: Other reasons
RSPL09A	Financial aid_Loans	Reason for private loan 2009: Deferment of loan repayment
RSPL09B	Financial aid_Loans	Reason for private loan 2009: Did not qualify for other aid
RSPL09C	Financial aid_Loans	Reason for private loan 2009: Issued directly to student
RSPL09D	Financial aid_Loans	Reason for private loan 2009: Needed more money
RSPL09E	Financial aid_Loans	Reason for private loan 2009: Loan application easy
RSPL09X	Financial aid_Loans	Reason for private loan 2009: Other reasons
RTR04A	Education_Transfer	Reason transferred 2004: Academic problems
RTR04B	Education_Transfer	Reason transferred 2004: Scheduling problems
RTR04C	Education_Transfer	Reason transferred 2004: Not satisfied
RTR04D	Education_Transfer	Reason transferred 2004: Financial reasons
RTR04E	Education_Transfer	Reason transferred 2004: Family responsibilities
RTR04F	Education_Transfer	Reason transferred 2004: Personal reasons
RTR04G	Education_Transfer	Reason transferred 2004: Finished classes
RTR04J	Education_Transfer	Reason transferred 2004: Pursue bachelor's degree
RTR04X	Education_Transfer	Reason transferred 2004: Other reasons
SAMESTAT	Institution_Characteristics	Attend institution in state of legal residence 2003-04
SATMAJ09	Education_Experiences	Satisfaction with choice of major or course of study
SATUG09	Institution_Climate	Satisfaction with quality of undergraduate education
SECTOR9	Institution_Type	NPSAS institution type 2003-04
SEEND3Y	Education_Enrollment Spell	Enrollment spell (first): Date ended through 2006
SEEND6Y	Education_Enrollment Spell	Enrollment spell (first): Date ended through 2009
SEINLM3Y	Education_Enrollment Spell	Enrollment spell (first): Intensity last month through 2006
SEINLM6Y	Education_Enrollment Spell	Enrollment spell (first): Intensity last month through 2009
SEINT3Y	Education_Enrollment Spell	Enrollment spell (first): Intensity through 2006
SEINT6Y	Education_Enrollment Spell	Enrollment spell (first): Intensity through 2009
SELECTV2	Institution_Characteristics	First institution selectivity 2003-04
SEMEL3Y	Education_Enrollment Spell	Enrollment spell (first): Months elapsed through 2006
SEMEL6Y	Education_Enrollment Spell	Enrollment spell (first): Months elapsed through 2009
SEMEN3Y	Education_Enrollment Spell	Enrollment spell (first): Months enrolled through 2006
SEMEN6Y	Education_Enrollment Spell	Enrollment spell (first): Months enrolled through 2009

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
SEMFT3Y	Education_Enrollment Spell	Enrollment spell (first): Months full time through 2006
SEMFT6Y	Education_Enrollment Spell	Enrollment spell (first): Months full time through 2009
SEMP3Y	Education_Enrollment Spell	Enrollment spell (first): Months part time through 2006
SEMP6Y	Education_Enrollment Spell	Enrollment spell (first): Months part time through 2009
SENUM3Y	Education_Enrollment Spell	Enrollment spells number through 2006
SENUM6Y	Education_Enrollment Spell	Enrollment spells number through 2009
SEOGAMT	Aid_Federal_Grants	Federal SEOG grant 2003-04
SERNEEDA	Background_Disabilities	Service needed 2004: Adaptive equipment and technology
SERNEEDB	Background_Disabilities	Service needed 2004: Alternative exam format
SERNEEDC	Background_Disabilities	Service needed 2004: Course substitution or waiver
SERNEEDD	Background_Disabilities	Service needed 2004: Readers or classroom note takers
SERNEEDE	Background_Disabilities	Service needed 2004: Registration assistance
SERNEEDF	Background_Disabilities	Service needed 2004: Sign language or oral interpreters
SERNEEDG	Background_Disabilities	Service needed 2004: Tutors to assist with homework
SERNEEDX	Background_Disabilities	Service needed 2004: Others
SEROLE06	Employment_While Enrolled	Job while enrolled 2006: Primary role as student or employee
SEROLE09	Employment_While Enrolled	Job while enrolled 2009: Primary role as student or employee
SERRECVA	Background_Disabilities	Service received 2004: Adaptive equipment and technology
SERRECVB	Background_Disabilities	Service received 2004: Alternative exam format
SERRECVC	Background_Disabilities	Service received 2004: Course substitution or waiver
SERRECVD	Background_Disabilities	Service received 2004: Readers or classroom note takers
SERRECVE	Background_Disabilities	Service received 2004: Registration assistance
SERRECVF	Background_Disabilities	Service received 2004: Sign language or oral interpreters
SERRECVG	Background_Disabilities	Service received 2004: Tutors to assist with homework
SERRECVX	Background_Disabilities	Service received 2004: Others
SFAMNM06	Background_Family	Family size (independent) 2005-06
SFAMNUM	Background_Family	Family size (independent) 2003-04
SHLJOB06	Employment_While Enrolled	Job while enrolled 2006: Type of job while enrolled
SIBBEF06	Parent_Family	Siblings in college before respondent 2006
SIBCOL06	Parent_Family	Siblings in college 2006
SIBCOLB4	Parent_Family	Siblings in college before respondent 2003-04
SIBINCOL	Parent_Family	Siblings in college 2003-04
SIEND3Y	Education_Institution Spell	Institution spell (first): Date ended through 2006
SIEND6Y	Education_Institution Spell	Institution spell (first): Date ended through 2009
SIINLM3Y	Education_Institution Spell	Institution spell (first): Intensity last month through 2006
SIINLM6Y	Education_Institution Spell	Institution spell (first): Intensity last month through 2009
SIINT3Y	Education_Institution Spell	Institution spell (first): Intensity through 2006
SIINT6Y	Education_Institution Spell	Institution spell (first): Intensity through 2009
SIMEL3Y	Education_Institution Spell	Institution spell (first): Months elapsed through 2006
SIMEL6Y	Education_Institution Spell	Institution spell (first): Months elapsed through 2009
SIMEN3Y	Education_Institution Spell	Institution spell (first): Months enrolled through 2006
SIMEN6Y	Education_Institution Spell	Institution spell (first): Months enrolled through 2009
SIMFT3Y	Education_Institution Spell	Institution spell (first): Months full time through 2006
SIMFT6Y	Education_Institution Spell	Institution spell (first): Months full time through 2009
SIMPT3Y	Education_Institution Spell	Institution spell (first): Months part time through 2006
SIMPT6Y	Education_Institution Spell	Institution spell (first): Months part time through 2009
SINCOL	Background_Family	Number of family members in college (independent) 2003-04
SINCOL06	Background_Family	Number of family members in college (independent) 2005-06

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
SINGLPAR	Background_Demographics	Single parent status in 2003-04
SINUM3Y	Education_Persistence Spells	Institution spells number at first institution through 2006
SINUM6Y	Education_Persistence Spells	Institution spells number at first institution through 2009
SJCOMSER	Employment_While Enrolled	School job 2004: Part of community service project
SJHOURS	Employment_While Enrolled	School job 2004: Hour worked per week (work study)
SJMAJOR	Employment_While Enrolled	School job 2004: Related to major
SJONOFF	Employment_While Enrolled	School job 2004: Located primarily on or off campus
SJSCHOOL	Employment_While Enrolled	School job 2004: For NPSAS or another institution or org.
SJTUTOR	Employment_While Enrolled	School job 2004: Involved with literacy education or tutoring
SMAR06	Background_Demographics	Student's marital status as of 2006
SMAR09	Background_Demographics	Student's marital status as of 2009
SMARITAL	Background_Demographics	Student's marital status as of 2003-04
SNEED1	Aid_Need	Student budget minus EFC 2003-04
SNEED2	Aid_Need	Student budget minus EFC minus total aid 2003-04
SNEED3	Aid_Need	Student budget minus EFC minus federal grants 2003-04
SNEED4	Aid_Need	Student budget minus EFC minus grants & federal need aid 2003-04
SNEED5	Aid_Need	Student budget minus EFC minus all grants 2003-04
SNEED7	Aid_Need	Student budget minus EFC, federal, and state grants 2003-04
SNEED8	Aid_Need	Student budget minus federal, state, and other grants 2003-04
SOCINX04	Education_Experiences	Social integration index 2004
SOCINX06	Education_Experiences	Social integration index 2006
SPCOL06	Family_Spouse	Spouse in college 2006
SPINCOL	Family_Spouse	Spouse in college 2003-04
SPNM08	Family_Spouse	Not married to spouse in 2008
SPSBOR09	Finances_Debt_Education	Spouse student loan: Total amount 2009
SPSED06	Family_Spouse	Spouse's education level 2006
SPSED09	Family_Spouse	Spouse's education level 2009
SPSINC	Finances_Income	Annual income (spouse) in 2003-04
SPSLN06	Finances_Debt_Education	Spouse has student loan 2006
SPSLN09	Finances_Debt_Education	Spouse has student loan 2009
SPSLNR09	Finances_Debt_Education	Spouse's student loan not yet in repayment 2009
SPSOWE06	Finances_Debt_Education	Spouse's student loan amount 2006
SPSOWE09	Finances_Debt_Education	Spouse's student loan amount 2009
SPSRPY09	Finances_Debt_Education	Spouse's student loan monthly payment 2009
SSISDI	Background_Disabilities	Currently receiving SSI or SSDI 2003-04
STAFCT1	Aid_Federal_Loans	Stafford subsidized maximum categories 2003-04
STAFCT2	Aid_Federal_Loans	Stafford total maximum categories 2003-04
STAFTYPE	Aid_Federal_Loans	Stafford loan types received 2003-04
STAPCT	Aid_Ratio	Ratio of state aid to total aid 2003-04
STATEAMT	Aid_State	State aid total 2003-04
STATNEED	Aid_State_Grants	State need based grants 2003-04
STATNOND	Aid_State_Grants	State non need and merit grants 2003-04
STDT3Y	Education_Stopout	Stopout (first): Anywhere date began 2006
STDT6Y	Education_Stopout	Stopout (first): Anywhere date began 2009
STDTFI3Y	Education_Stopout	Stopout (first): Date began at first institution 2006
STDTFI6Y	Education_Stopout	Stopout (first): Date began at first institution 2009

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
STEMMAJ	Education_Majors	Major field of study with a focus on STEM fields through 2009
STFCUM06	Aid_Federal_Loans	Cumulative Stafford total through 2006
STFCUM09	Aid_Federal_Loans	Cumulative Stafford total through 2009
STFIRSTL	Aid_Federal_Loans	Stafford loan: First class level borrowed 2009
STFIRSTY	Aid_Federal_Loans	Stafford loan: First academic year borrowed 2009
STFY04	Financial aid_Stafford	Stafford loan amount during 2003-04
STFY05	Financial aid_Stafford	Stafford loan amount during 2004-05
STFY06	Financial aid_Stafford	Stafford loan amount during 2005-06
STFY07	Financial aid_Stafford	Stafford loan amount during 2006-07
STFY08	Financial aid_Stafford	Stafford loan amount during 2007-08
STFY09	Financial aid_Stafford	Stafford loan amount during 2008-09
STFYRS06	Financial aid_Stafford	Stafford loan: Number of years borrowed 2006
STFYRS09	Financial aid_Stafford	Stafford loan: Number of years borrowed 2009
STGRPCT	Aid_Ratio	Ratio of state grants to total aid 2003-04
STGTAMT	Aid_State_Grants	Grants: Total state grants in 2003-04
STLNAMT	Aid_State	State loans amount during 2003-04
STLSTL06	Financial aid_Stafford	Stafford loan: Last class level borrowed 2006
STLSTL09	Financial aid_Stafford	Stafford loan: last class level borrowed 2009
STLSTY06	Financial aid_Stafford	Stafford loan: Last academic year borrowed 2006
STLSTY09	Financial aid_Stafford	Stafford loan: last academic year borrowed 2009
STMERIT	Aid_State_Grants	State merit only grants 2003-04
STMN3Y	Education_Stopout	Stopout (first): Anywhere months duration 2006
STMN6Y	Education_Stopout	Stopout (first): Anywhere months duration 2009
STNOND1	Aid_State_Grants	State non-need grants 2003-04
STNUFI3Y	Education_Stopout	Stopouts number at first institution through 2006
STNUFI6Y	Education_Stopout	Stopouts number at first institution through 2009
STNUM3Y	Education_Stopout	Stopouts number anywhere through 2006
STNUM6Y	Education_Stopout	Stopouts number anywhere through 2009
STSCUM06	Financial aid_Stafford	Cumulative Stafford subsidized through 2006
STSCUM09	Financial aid_Stafford	Cumulative Stafford subsidized through 2009
STSTA1	Education_Stopout	Stopout status anywhere during 2003-04
STSTA2	Education_Stopout	Stopout status anywhere during 2004-05
STSTA3	Education_Stopout	Stopout status anywhere during 2005-06
STSTA4	Education_Stopout	Stopout status anywhere during 2006-07
STSTA5	Education_Stopout	Stopout status anywhere during 2007-08
STSTA6	Education_Stopout	Stopout status anywhere during 2008-09
STSTAFI1	Education_Stopout	Stopout status at first institution during 2003-04
STSTAFI2	Education_Stopout	Stopout status at first institution during 2004-05
STSTAFI3	Education_Stopout	Stopout status at first institution during 2005-06
STSTAFI4	Education_Stopout	Stopout status at first institution during 2006-07
STSTAFI5	Education_Stopout	Stopout status at first institution during 2007-08
STSTAFI6	Education_Stopout	Stopout status at first institution during 2008-09
STSUB04	Financial aid_Stafford	Stafford subsidized loan during 2003-04
STSUB05	Financial aid_Stafford	Stafford subsidized loan during 2004-05
STSUB06	Financial aid_Stafford	Stafford subsidized aid loan during 2005-06
STSUB07	Financial aid_Stafford	Stafford subsidized loan during 2006-07
STSUB08	Financial aid_Stafford	Stafford subsidized loan during 2007-08
STSUB09	Financial aid_Stafford	Stafford subsidized loan during 2008-09

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
STUCUM06	Financial aid_Stafford	Cumulative Stafford unsubsidized through 2006
STUCUM09	Financial aid_Stafford	Cumulative Stafford unsubsidized through 2009
STUDMULT	Education_Attendance	NPSAS: Number of institutions attended 2003-04
STUNS04	Financial aid_Stafford	Stafford unsubsidized loan during 2003-04
STUNS05	Financial aid_Stafford	Stafford unsubsidized loan during 2004-05
STUNS06	Financial aid_Stafford	Stafford unsubsidized loan during 2005-06
STUNS07	Financial aid_Stafford	Stafford unsubsidized loan during 2006-07
STUNS08	Financial aid_Stafford	Stafford unsubsidized loan during 2007-08
STUNS09	Financial aid_Stafford	Stafford unsubsidized loan during 2008-09
STUSTATE	Background_Residence	State of legal residence (student) 2003-04
STWKAMT	Aid_State_Other	State work study 2003-04
STYB3Y	Education_Stopout	Stopout (first): Anywhere academic year began 2006
STYB6Y	Education_Stopout	Stopout (first): Anywhere academic year began 2009
STYBF13Y	Education_Stopout	Stopout (first): Academic year began at first institution 2006
STYBF16Y	Education_Stopout	Stopout (first): Academic year began at first institution 2009
SUBCUM06	Financial aid_Stafford	Cumulative Stafford subsidized loans and Perkins 2006
SUBCUM09	Financial aid_Stafford	Cumulative Stafford subsidized loans and Perkins 2009
SUBLOAN	Financial aid_Stafford	Federal subsidized loans (Stafford and Perkins) 2003-04
T4LNAMT1	Aid_Federal_Loans	Stafford and Perkins loans amount during 2003-04
T4LNAMT2	Financial aid_Stafford	Stafford, Perkins, and PLUS loans amount during 2003-04
T4TCUM06	Aid_Federal_Loans	Cumulative Stafford, Perkins, PLUS 2006
T4TCUM09	Financial aid_Federal loans	Cumulative Stafford, Perkins, PLUS 2009
T4TLN05	Aid_Federal_Loans	Stafford, Perkins, and PLUS loans amount during 2004-05
T4TLN06	Aid_Federal_Loans	Stafford, Perkins, and PLUS loans amount during 2005-06
T4TLN07	Aid_Federal_Loans	Stafford, Perkins, and PLUS loans amount during 2006-07
T4TLN08	Aid_Federal_Loans	Stafford, Perkins, and PLUS loans amount during 2007-08
T4TLN09	Aid_Federal_Loans	Stafford, Perkins, and PLUS loans amount during 2008-09
T4TOWE06	Aid_Federal_Loans	Stafford, Perkins, PLUS: Amount owed as of 2006
T4TOWE09	Aid_Federal_Loans	Stafford, Perkins, PLUS: Amount owed as of 2009
T4XCUM06	Financial aid_Federal loans	Cumulative Stafford and Perkins 2006
T4XCUM09	Financial aid_Federal loans	Cumulative federal student loan amount borrowed through 2009
T4XLN05	Aid_Federal_Loans	Stafford and Perkins loans amount during 2004-05
T4XLN06	Aid_Federal_Loans	Stafford and Perkins loans amount during 2005-06
T4XLN07	Aid_Federal_Loans	Stafford and Perkins loans amount during 2006-07
T4XLN08	Aid_Federal_Loans	Stafford and Perkins loans amount during 2007-08
T4XLN09	Aid_Federal_Loans	Stafford and Perkins loans amount during 2008-09
T4XOWE06	Finances_Debt_Education	Cumulative federal student loan amount owed as of 2006
T4XOWE09	Financial aid_Stafford	Cumulative federal student loan amount owed as of 2009
TEACH04	Employment_Future teaching	Plan on teaching 2004
TEACH06	Employment_Future teaching	Plan on teaching 2006
TEACH09	Employment_Future teaching	Plan on teaching 2009
TEACTDER	Education_High School	Derived ACT score
TESATDER	Education_High School	Admissions test scores (ACT or SAT)
TESATMDE	Education_High School	Derived SAT math score
TESATVDE	Education_High School	Derived SAT verbal score
TETOOK	Education_High School	SAT or ACT exams taken
TFATT3Y	Education_Transfer	Transfer after attainment through 2006

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
TFATT6Y	Education_Transfer	Transfer after attainment through 2009
TFDTDI3Y	Education_Transfer	Transfer (first): Date began at destination institution 2006
TFDTDI6Y	Education_Transfer	Transfer (first): Date began at destination institution 2009
TFDOI3Y	Education_Transfer	Transfer (first): Date left origin institution 2006
TFDOI6Y	Education_Transfer	Transfer (first): Date left origin institution 2009
TFEDAID	Aid_Federal	Total federal aid (excludes VA/DOD) 2003-04
TFEDAID2	Aid_Federal	Total federal aid (includes VA/DOD) 2003-04
TFEDAID6	Aid_Federal	Total federal aid excluding PLUS and VA 2003-04
TFEDGRT	Financial aid_Total	Total federal grants 2003-04
TFEDGRT2	Financial aid_Federal grants	Total federal grants and veteran benefits 2003-04
TFEDLN	Financial aid_Total	Total federal loans (excludes PLUS) 2003-04
TFEDLN2	Financial aid_Total	Total federal loans (includes PLUS) 2003-04
TFEDWRK	Aid_Federal	Federal Work study 2003-04
TFENOV3Y	Education_Transfer	Transfer (first): Overlapping enrollment 2006
TFENOV6Y	Education_Transfer	Transfer (first): Overlapping enrollment 2009
TFIFTY3Y	Education_Transfer	Transfer (first): Destination institution type as of 2006
TFIFTY6Y	Education_Transfer	Transfer (first): Destination institution type as of 2009
TFILTY3Y	Education_Transfer	Transfer (last): Destination institution type as of 2006
TFILTY6Y	Education_Transfer	Transfer (last): Destination institution type as of 2009
TFINCT3Y	Education_Transfer	Transfer (first): Institutions by control 2006
TFINCT6Y	Education_Transfer	Transfer (first): Institutions by control 2009
TFINLV3Y	Education_Transfer	Transfer (first): Institutions by level 2006
TFINLV6Y	Education_Transfer	Transfer (first): Institutions by level 2009
TFINOI3Y	Education_Transfer	Transfer (first): Intensity pattern before transfer 2006
TFINOI6Y	Education_Transfer	Transfer (first): Intensity pattern before transfer 2009
TFLMOI3Y	Education_Transfer	Transfer (first): Intensity last month before transfer 2006
TFLMOI6Y	Education_Transfer	Transfer (first): Intensity last month before transfer 2009
TFMN2I3Y	Education_Transfer	Transfer (first): Months between institutions 2006
TFMN2I6Y	Education_Transfer	Transfer (first): Months between institutions 2009
TFMNDI3Y	Education_Transfer	Transfer (first): Months elapsed before destination school 2006
TFMNDI6Y	Education_Transfer	Transfer (first): Months elapsed before destination school 2009
TFMNFT3Y	Education_Transfer	Transfer (first): Full time months before destination school 2006
TFMNFT6Y	Education_Transfer	Transfer (first): Full time months before destination school 2009
TFMNIOI3Y	Education_Transfer	Transfer (first): Months elapsed at origin school 2006
TFMNIOI6Y	Education_Transfer	Transfer (first): Months elapsed at origin school 2009
TFMNPT3Y	Education_Transfer	Transfer (first): Part time months before destination school 2006
TFMNPT6Y	Education_Transfer	Transfer (first): Part time months before destination school 2009
TFMNT3Y	Education_Transfer	Transfer (first): Total months enrolled before destination school 2006
TFMNT6Y	Education_Transfer	Transfer (first): Total months enrolled before destination school 2009
TFNUM3Y	Education_Transfer	Number of transfers as of June 2006

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
TFNUM6Y	Education_Transfer	Number of transfers as of June 2009
TFTYPE1	Education_Transfer	Transfer status during 2003-04
TFTYPE2	Education_Transfer	Transfer status during 2004-05
TFTYPE3	Education_Transfer	Transfer status during 2005-06
TFTYPE3Y	Education_Transfer	Transfer (first): Type 2006
TFTYPE4	Education_Transfer	Transfer status during 2006-07
TFTYPE5	Education_Transfer	Transfer status during 2007-08
TFTYPE6	Education_Transfer	Transfer status during 2008-09
TFTYPE6Y	Education_Transfer	Transfer (first): Type 2009
TFYRDI3Y	Education_Transfer	Transfer (first): Year began at destination institution 2006
TFYRDI6Y	Education_Transfer	Transfer (first): Year began at destination institution 2009
TFYROI3Y	Education_Transfer	Transfer (first): Year left origin institution 2006
TFYROI6Y	Education_Transfer	Transfer (first): Year left origin institution 2009
TGRTLN	Financial aid_Grants	Total grants and loans (except PLUS) 2003-04
TITIVAMT	Aid_Federal	Total federal Title IV aid 2003-04
TNFEDAID	Aid_Total	Total non federal aid 2003-04
TNFEDGRT	Aid_Total_Grants	Total non federal grants 2003-04
TNFEDLN	Aid_Total_Loans	Total non federal loans 2003-04
TOTAID	Aid_Total	Total aid 2003-04
TOTAID2	Aid_Total	Total federal (Title IV), state, and institutional aid 2003-04
TOTAID4	Aid_Total	Total aid excluding PLUS 2003-04
TOTAID5	Aid_Total	Total aid excluding work study 2003-04
TOTAID6	Aid_Total	Total aid excluding PLUS and veterans benefits 2003-04
TOTERN06	Finances_Income	Job while enrolled 2006: Earnings last year
TOTGRT	Aid_Total_Grants	Total grants 2003-04
TOTGRT2	Aid_Total_Grants	Total grants and veteran benefits 2003-04
TOTGRT4	Aid_Grants	State and institutional grants 2003-04
TOTLOAN	Aid_Total_Loans	Total student loans 2003-04
TOTLOAN2	Aid_Total_Loans	Total loans (including PLUS) 2003-04
TOTWKST	Aid_Total	Total work study 2003-04
TR4PLNY1	Education_Transfer	Transfer to 4-year institution plans 2003-04
TRANPRST	Education_Persistence	Persistence after transfer through 2009
TRANSPLN	Education_Transfer	Plan to transfer 2003-04
TRCRAC09	Education_Courses	Amount of transfer credits accepted at school 2009
TRCREV09	Education_Courses	Attempted to transfer credits from another institution 2009
TRIO	Background_Demographics	TRIO program eligibility criteria 2003-04
TRPLNY1	Education_Transfer	Transfer plans 2003-04
TUITION2	Institution_Price	Tuition and fees in 2003-04
TWOYRCAT	Institution_Type	Two year college classification 2003-04
UGDEG	Education_Program	Degree program during 2003-04
UGDEG06	Education_Program	Degree program when last enrolled 2006
UGDEG09	Education_Program	Degree program when last enrolled 2009
UGDEGAA	Degree attainment	Type of associate's degree during 2003-04
UGEWC09	Education_Experiences	Undergraduate education worth the cost 2009
UGLV06	Education_Program	Class level at most recent institution 2006
UGLV09	Education_Program	Class level at most recent institution 2009
UNEMCP09	Finances_Income	Unemployment 2009: Receiving unemployment compensation
See notes at end of table.		

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
UNEMPD09	Employment_Status	Unemployment 2009: Date of last employment after UG enrollment
UNEMPG09	Employment_Status	Unemployment 2009: Unemployed 3 months or more since graduation
UNEMPL06	Employment_Status	Unemployment 2006: Currently looking for a job
UNEMPL09	Employment_Status	Unemployment 2009: Currently looking for a job
UNEMPN06	Employment_Status	Unemployment 2006: Number of times unemployed
UNEMPN09	Employment_Status	Unemployment 2009: Number of times unemployed
UNEMPT06	Employment_Status	Unemployment 2006: Longest period in months
UNEMPT09	Employment_Status	Unemployment 2009: Longest period in months
UNEMPX09	Employment_Status	Unemployment 2009: No employment after undergraduate enrollment
UNSBLOAN	Aid_Loans	Total unsubsidized loans (all sources) 2003-04
UNTAX09	Finances_Income	Received untaxed benefits in 2008
UNTAXBF	Finances_Income	Untaxed benefits 2004: Any received
UNTAXBFA	Finances_Income	Untaxed benefits 2004: Child support
UNTAXBFB	Finances_Income	Untaxed benefits 2004: Disability payments
UNTAXBFC	Finances_Income	Untaxed benefits 2004: Food stamps
UNTAXBFD	Finances_Income	Untaxed benefits 2004: Social security
UNTAXBFE	Finances_Income	Untaxed benefits 2004: TANF
UNTAXBFF	Finances_Income	Untaxed benefits 2004: Worker's compensation
USBORN	Background_Demographics	Student was born in the United States
VADODAMT	Aid_Outside	Veteran's benefits and DOD 2003-04
VETERAN	Public_Service_Participation	Veteran status 2003-04
VLT06A	Public_Service_Participation	Volunteer type 2006: Tutoring or mentoring
VLT06B	Public_Service_Participation	Volunteer type 2006: Other work with kids
VLT06C	Public_Service_Participation	Volunteer type 2006: Fundraising
VLT06D	Public_Service_Participation	Volunteer type 2006: Homeless shelter or soup kitchen
VLT06E	Public_Service_Participation	Volunteer type 2006: Neighborhood improvement or cleanup
VLT06F	Public_Service_Participation	Volunteer type 2006: Health services
VLT06G	Public_Service_Participation	Volunteer type 2006: Service to church
VLT06X	Public_Service_Participation	Volunteer type 2006: Other type of community service
VLT09A	Public_Service_Participation	Volunteer type 2009: Fundraising
VLT09B	Public_Service_Participation	Volunteer type 2009: Health services
VLT09C	Public_Service_Participation	Volunteer type 2009: Homeless shelter or soup kitchen
VLT09D	Public_Service_Participation	Volunteer type 2009: Neighborhood improvement or cleanup
VLT09E	Public_Service_Participation	Volunteer type 2009: Other work with kids
VLT09F	Public_Service_Participation	Volunteer type 2009: Service to church
VLT09G	Public_Service_Participation	Volunteer type 2009: Service to nonprofit organizations
VLT09H	Public_Service_Participation	Volunteer type 2009: Service to the community
VLT09I	Public_Service_Participation	Volunteer type 2009: Tutoring or mentoring
VLT09X	Public_Service_Participation	Volunteer type 2009: Other type of community service
VLTB06A	Public_Service_Participation	Volunteer benefit 2006: Helped with career choice
VLTB06B	Public_Service_Participation	Volunteer benefit 2006: Learned to apply skills
VLTB06C	Public_Service_Participation	Volunteer benefit 2006: Expanded skills
VLTB06D	Public_Service_Participation	Volunteer benefit 2006: Added to resume
VLTB06E	Public_Service_Participation	Volunteer benefit 2006: Clarified choice of major
VLTB06F	Public_Service_Participation	Volunteer benefit 2006: More compassionate person

See notes at end of table.

Table K-1. Main study analysis variables: 2009—Continued

Variable name	Prefix	Variable label
VLTB06G	Public Service_Participation	Volunteer benefit 2006: Increased awareness
VLTB06H	Public Service_Participation	Volunteer benefit 2006: Others
VLTR06A	Public Service_Participation	Volunteer reason 2006: Required as part of program
VLTR06B	Public Service_Participation	Volunteer reason 2006: Campus organization
VLTR06C	Public Service_Participation	Volunteer reason 2006: Student or faculty encouraged
VLTR06X	Public Service_Participation	Volunteer reason 2006: Others
VLTR09B	Public Service_Participation	Volunteer 2009: Started through a school-related activity
VOCAPPLY	Background_Disabilities	Ever applied for vocational rehabilitation services 2003-04
VOCHELP	Aid_State_Other	Vocational rehabilitation and training 2003-04
VOCRECV	Background_Disabilities	Ever received vocational rehabilitation services 2003-04
VOTE06	Public Service_Participation	Vote 2006: Voted in 2004 elections
VOTE09	Public Service_Participation	Vote 2009: Voted in last presidential election
VOTEEVER	Public Service_Participation	Vote 2004: Ever voted
VOTEREG	Public Service_Participation	Vote 2004: Registered to vote US elections
VOTERG06	Public Service_Participation	Vote 2006: Registered to vote US elections
VOTERG09	Public Service_Participation	Vote 2009: Registered to vote US elections
VOTEVE09	Public Service_Participation	Vote 2009: Ever voted
WKSWK06	Employment_While Enrolled	Job while enrolled 2006: Frequency worked per week
WORKPCT	Aid_Ratio	Ratio of work study to total aid 2003-04
WRKST09	Employment_While Enrolled	Job while enrolled 2009: A work study job
WTA000	Survey_Sample	BPS:04/09 study respondents weight
WTB000	Survey_Sample	BPS:04/06/09 study respondents (panel) weight

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table K-2. Transcript analysis variables: 2009

Variable name	Prefix	Variable label
QATRPTBS	General	Number of transcripts only indicating basic skills courses
QATRPTEP	General	Number of transcripts entered
QATRPTMS	General	Total missing transcripts
QATRPTRQ	General	Total transcripts requested
QBBIOSCRD	Pre-College_Information	Biology credit awarded for AP examination
QBCHMSCRD	Pre-College_Information	Chemistry credit awarded for AP examination
QBCSCCRD	Pre-College_Information	Computer science credit awarded for AP test
QBHSMTY	Pre-College_Information	High school graduation year and month
QBMTHCRD	Pre-College_Information	College-level math credits awarded for AP exam
QBNMCPCR	Pre-College_Information	College level examination program course credit
QBNMIBCR	Pre-College_Information	International baccalaureate course credit
QBNMMLCR	Pre-College_Information	Military training/experience course credit
QBNMNCCR	Pre-College_Information	Other non-course avenues course credit
QBNMWKCR	Pre-College_Information	Work experience course credit
QBOTEXCR	Pre-College_Information	Credit by other examination
QBPHYCRD	Pre-College_Information	AP Physics credit awarded by institution
QBTLAPCR	Pre-College_Information	Total AP credits awarded by institution
QBTLNCCR	Pre-College_Information	Total non-course credits
QC2PRVFP	Enrollment_Institution	Num of priv, for-profit, 2-yr institutions attended
QC2PVNP	Enrollment_Institution	Num of priv, nonprofit, 2-yr institutions attended
QC2YRPUB	Enrollment_Institution	Num of public, 2-yr institutions attended
QC2YRTOT	Enrollment_Institution	Num of 2-yr institutions attended
QC4PRVFP	Enrollment_Institution	Num of priv, for-profit, 4-yr institutions attended
QC4PVNP	Enrollment_Institution	Num of priv, nonprofit, 4-yr institutions attended
QC4YRPUB	Enrollment_Institution	Number of public, 4-yr institutions attended
QC4YRTOT	Enrollment_Institution	Num of 4-yr institutions attended
QCHBCEVR	Enrollment_Institution	Ever attended an HBCU institution
QCHBCTOT	Enrollment_Institution	Number of HBCU's attended
QCHSIEVR	Enrollment_Institution	Ever attended a Hispanic serving institution
QCHSITOT	Enrollment_Institution	Number of Hispanic-serving institutions attended
QCLT2PUB	Enrollment_Institution	Num of public, lt 2-yr institutions attended
QCLT2TOT	Enrollment_Institution	Num of lt 2-yr institutions attended
QCLT2VFP	Enrollment_Institution	Num of priv, for-profit, lt 2-yr institutions attended
QCLT2VNP	Enrollment_Institution	Num of priv, nonprofit, lt 2-yr institutions attended
QD1STSTP	Enrollment	Length of 1st Stopout
QD2NDSTP	Enrollment	Length of 2nd Stopout
QD3RDSTP	Enrollment	Length of 3rd stopout
QDACCREL	Transfer	Accreditation relationship for first transfer
QDAS2BCH	Awards	Elapsed time from associate's to bachelor's degree
QDAS2CRT	Enrollment	Elapsed time from associate's degree to certificate
QDBC2ASC	Enrollment	Elapsed time from bachelor's degree to associate's degree
QDBC2CRT	Enrollment	Elapsed time from bachelor's degree to certificate
QDCT2ASC	Awards	Elapsed time from certificate to associate's degree
QDCT2BCH	Awards	Elapsed time from certificate to bachelor's degree
QDCTLCHG	Transfer	Control relationship between schools for first transfer
QDEN2009	Enrollment	Enrolled in 2009
QDENROLL	Enrollment	72 mo enrollment indicator string (July 2003 - June 2009)
QDFA2ASC	Awards	Elapsed time from entry to associate's degree

See notes at end of table.

Table K-2. Transcript analysis variables: 2009—Continued

Variable name	Prefix	Variable label
QDFA2AW1	Awards	Elapsed time from entry to first award
QDFA2BCH	Awards	Elapsed time from entry to bachelor's degree
QDFA2CRT	Awards	Elapsed time from entry to certificate
QDFAEVMY	Enrollment	First attended ever month/year
QDFEUGMY	Enrollment	First date enrolled as an undergraduate
QDGT4STP	Enrollment	Count of stopouts longer than 4 months
QDGT5STP	Enrollment	Count of stopouts longer than 5 months
QDLEUGMY	Enrollment	Last date enrolled as an undergraduate
QDLEYEAR	Enrollment	Last year of enrollment
QDLNGSTP	Enrollment	Length of greatest stopout
QDLVLCHG	Transfer	Level relationship between schools for first transfer
QDMAJCHG	Transfer	Major change during first transfer indicator
QDMAJRS	Transfer	Major at destination school for first transfer
QDMAJSS	Transfer	Major at origin school for first transfer
QDOVRLAP	Enrollment	Indicator for ever co-enrolled
QDPROCHG	Transfer	Degree program change during first transfer indicator
QDPRTYPE	Transfer	Degree program transfer type for first transfer
QDSCHCMB	Transfer	Institution combination
QDSCHTOT	Enrollment	Total known schools attended
QDSEC9RS	Transfer	Sector at destination school for first transfer
QDSEC9SS	Transfer	Sector at origin school for first transfer
QDSELREL	Transfer	Selectivity relationship for first transfer
QDTCRRS	Transfer	Total credits transferred to destination school for first transfer
QDTCRSS	Transfer	Total credits taken at origin school for first transfer
QDTOTMON	Enrollment	Total months enrolled
QDTOTSTP	Enrollment	Total elapsed stopout time
QDTRRAT	Transfer	Percentage of credits transferred during first transfer
QDTRSANY	Transfer	Credit transfer indicator for first transfer
QDTRSDIR	Transfer	Type of transfer for first transfer
QE12345N	Credits_Earned_Time	First/sec/third/fourth/fifth yrs combined: credits earned
QE1234EN	Credits_Earned_Time	First/sec/third/fourth yrs combined: credits earned
QE123ERN	Credits_Earned_Time	First/sec/third yrs combined: credits earned
QE12ERN	Credits_Earned_Time	First/sec yrs combined: credits earned
QE1STERN	Credits_Earned_Time	First year enrollment: credits earned
QE1STSTM	Credits_Earned_Subject	First year enrollment: STEM credits earned
QE1TO6RN	Credits_Earned_Time	First through sixth yrs combined: credits earned
QE2NDERN	Credits_Earned_Time	Second year enrollment: credits earned
QE2NDSTM	Credits_Earned_Subject	Second year enrollment: STEM credits earned
QE2YRATT	Credits_Attempted_Place	2-yr institutions (all): credits attempted
QE2YRERN	Credits_Earned_Place	2-yr institutions (all): credits earned
QE3RDERN	Credits_Earned_Time	Third year enrollment: credits earned
QE3RDSTM	Credits_Earned_Subject	Third year enrollment: STEM credits earned
QE4THERN	Credits_Earned_Time	Fourth year enrollment: credits earned
QE4THSTM	Credits_Earned_Subject	Fourth year enrollment: STEM credits earned
QE4YRATT	Credits_Attempted_Place	4-yr institutions (all): credits attempted
QE4YRERN	Credits_Earned_Place	4-yr institutions (all): credits earned
QE5THERN	Credits_Earned_Time	Fifth year enrollment: credits earned
QE5THSTM	Credits_Earned_Subject	Fifth year enrollment: STEM credits earned

See notes at end of table.

Table K-2. Transcript analysis variables: 2009—Continued

Variable name	Prefix	Variable label
QE6THERN	Credits_Earned_Time	Sixth year and beyond enrollment: credits earned
QE6THSTM	Credits_Earned_Subject	Sixth year and beyond enrollment: STEM credits earned
QEALBATT	Credits_Attempted_Subject	Advanced laboratory science: credits attempted
QEALBERN	Credits_Earned_Subject	Advanced laboratory science: credits earned
QEALBGPA	GPA_Subject	Advanced laboratory science: GPA
QEALBNUM	Number_of_Courses_Taken	Advanced laboratory science: number taken
QEAVERGN	Credits_Earned_Place	Per-year average: credits earned
QEAWCERN	Credits_Earned_Subject	Advanced western culture and society: credits earned
QEAWCGPA	GPA_Subject	Advanced western culture and society: GPA
QEBIOATT	Credits_Attempted_Subject	Bio/agri/envir life science: credits attempted
QEBIOERN	Credits_Earned_Subject	Bio/agri/envir life science: credits earned
QEBIOGPA	GPA_Subject	Bio/agri/envir life science: GPA
QEBIONUM	Number_of_Courses_Taken	Bio/agri/envir life science: number taken
QEBUSERN	Credits_Earned_Subject	Business: credits earned
QEBUSGPA	GPA_Subject	Business: GPA
QEBWCERN	Credits_Earned_Subject	Basic western culture and society: credits earned
QEBWCGPA	GPA_Subject	Basic western culture and society: GPA
QECHLERN	Credits_Earned_Subject	Child, family, and youth studies: credits earned
QECHLGPA	GPA_Subject	Child, family, and youth studies: GPA
QECLCATT	Credits_Attempted_Subject	Calculus/advanced math: credits attempted
QECLCERN	Credits_Earned_Subject	Calculus/advanced math: credits earned
QECLCGPA	GPA_Subject	Calculus/advanced math: GPA
QECLCNUM	Number_of_Courses_Taken	Calculus/advanced math: number taken
QECONERN	Credits_Earned_Subject	Construction technical/trades: credits earned
QECONGPA	GPA_Subject	Construction technical/trades: GPA
QECOPTOT	Number_of_Courses_Taken	Total number of co-op or internship courses
QECRDRPT	Withdrawals_or_Repeats	Credits repeated
QECRDWDR	Withdrawals_or_Repeats	Credits withdrawn
QECRSWDR	Withdrawals_or_Repeats	Number of courses with withdrawals
QECRSWRT	Withdrawals_or_Repeats	Number of courses with withdraw or repeat grades
QECSCATT	Credits_Attempted_Subject	Computer science: credits attempted
QECSCERN	Credits_Earned_Subject	Computer science: credits earned
QECSCGPA	GPA_Subject	Computer science: GPA
QECSCNUM	Number_of_Courses_Taken	Computer science: number taken
QECTEATT	Credits_Attempted_Subject	Career and technical education: credits attempted
QECTEGPA	GPA_Subject	Career and technical education: GPA
QECTENUM	Number_of_Courses_Taken	Career and technical education: number taken
QECTERAT	Credits_Earned_Subject	Ratio of CTE credits to total credits
QECTERN	Credits_Earned_Subject	Career and technical education: credits earned
QECTHERN	Credits_Earned_Subject	Computer support and technical: credits earned
QECTHGPA	GPA_Subject	Computer support and technical: GPA
QEECNERN	Credits_Earned_Subject	Economics: credits earned
QEECNCGPA	GPA_Subject	Economics: GPA
QEEDUATT	Credits_Attempted_Subject	Education excl student teaching: credits attempted
QEEDUERN	Credits_Earned_Subject	Education excl student teaching: credits earned
QEEDUGPA	GPA_Subject	Education excl student teaching: GPA
QEEDUNUM	Number_of_Courses_Taken	Education excl student teaching: number taken
QEEGNATT	Credits_Attempted_Subject	Engineering: credits attempted

See notes at end of table.

Table K-2. Transcript analysis variables: 2009—Continued

Variable name	Prefix	Variable label
QEEGNERN	Credits_Earned_Subject	Engineering: credits earned
QEEGN GPA	GPA_Subject	Engineering: GPA
QEEGN NUM	Number_of_Courses_Taken	Engineering: number taken
QEEGTERN	Credits_Earned_Subject	Engineering technologies: credits earned
QEEGT GPA	GPA_Subject	Engineering technologies: GPA
QEELCERN	Credits_Earned_Subject	Electronic and communications technical: credits earned
QEELC GPA	GPA_Subject	Electronic and communications technical: GPA
QEENGR	Remedial_or_ESL	Remedial English: number taken
QEENVERN	Credits_Earned_Subject	Environment and natural resources: credits earned
QEENV GPA	GPA_Subject	Environment and natural resources: GPA
QEESL	Remedial_or_ESL	English as a second language: number taken
QEETHERN	Credits_Earned_Subject	Ethics: credits earned
QEETH GPA	GPA_Subject	Ethics: GPA
QEFARERN	Credits_Earned_Subject	Fine arts, incl graphic arts and design: credits earned
QEFAR GPA	GPA_Subject	Fine arts, incl graphic arts and design: GPA
QEFLATT	Credits_Attempted_Subject	Foreign language: credits attempted
QEFLERN	Credits_Earned_Subject	Foreign language: credits earned
QEFL GPA	GPA_Subject	Foreign language: GPA
QEFL NUM	Number_of_Courses_Taken	Foreign language: number taken
QEFPA4ATT	Credits_Attempted_Place	PFP 4-yr institutions : credits attempted
QEFPA4ERN	Credits_Earned_Place	PFP 4-yr institutions: credits earned
QEGPA1SC	GPA_Place	GPA at first institution attended
QEGPA2YR	GPA_Place	2-year institutions: GPA
QEGPA4YR	GPA_Place	4-year institutions: GPA
QEGPAALL	GPA_Place	GPA at all institutions attended
QEGPAASC	GPA_Place	GPA at associate's degree institution
QEGPABCH	GPA_Place	GPA at bachelor's degree institution
QEGPACRT	GPA_Place	GPA at certificate institution
QEGPAFP4	GPA_Place	PFP 4-yr institutions : GPA
QEGPAHBC	GPA_Place	Historically Black Colleges/Universities (HBCU): GPA
QEGPAHSI	GPA_Place	Hispanic-serving institutions (HSI): GPA
QEGPAL2N	GPA_Place	PNFP It 2-yr institutions: GPA
QEGPAL2P	GPA_Place	Pub, It 2-yr institutions: GPA
QEGPALSC	GPA_Place	GPA at last institution attended
QEGPALT2	GPA_Place	Less-than 2-year institutions: GPA
QEGPAMAN	GPA_Place	GPA at institution with greatest number of credits earned
QEGPAPB2	GPA_Place	Public 2-yr institutions: GPA
QEGPAPB4	GPA_Place	Public 4-yr institutions: GPA
QEGPAPF2	GPA_Place	Private, for-profit 2-yr institutions: credits GPA
QEGPAPFP	GPA_Place	Private, for profit institutions: GPA
QEGPAPN2	GPA_Place	PNFP 2-yr institutions: GPA
QEGPAPN4	GPA_Place	4-yr private, nonprofit institutions: GPA
QEGPAPNP	GPA_Place	Private, nonprofit institutions: GPA
QEGPAPUB	GPA_Place	Public institutions: GPA
QEHISERN	Credits_Earned_Subject	History: credits earned
QEHIS GPA	GPA_Subject	History: GPA
QEHLTERN	Credits_Earned_Subject	Allied health: credits earned
QEHLT GPA	GPA_Subject	Allied health: GPA

See notes at end of table.

Table K-2. Transcript analysis variables: 2009—Continued

Variable name	Prefix	Variable label
QEHUMERN	Credits_Earned_Subject	Humanities: credits earned
QEHUMGPA	GPA_Subject	Humanities: GPA
QEINDERN	Credits_Earned_Subject	Industrial/mechanical tech/trades: credits earned
QEINDGPA	GPA_Subject	Industrial/mechanical tech/trades: GPA
QEITLERN	Credits_Earned_Subject	Int'l studies excl arts/humanities/history: credits earned
QEITLGPA	GPA_Subject	Int'l studies excl arts/humanities/history: GPA
QEL2FPAT	Credits_Attempted_Place	PFP It 2-yr institutions: credits attempted
QEL2FPRN	Credits_Earned_Place	PFP It 2-yr institutions: credits earned
QEL2NPAT	Credits_Attempted_Place	PNFP It 2-yr institutions: credits attempted
QEL2NPRN	Credits_Earned_Place	PNFP It 2-yr institutions: credits earned
QEL2PATT	Credits_Attempted_Place	Pub, It 2-yr institutions: credits attempted
QEL2PERN	Credits_Earned_Place	Pub, It 2-yr institutions: credits earned
QELABATT	Credits_Attempted_Subject	Introductory laboratory science: credits attempted
QELABERN	Credits_Earned_Subject	Introductory laboratory science: credits earned
QELABGPA	GPA_Subject	Introductory laboratory science: GPA
QELABNUM	Number_of_Courses_Taken	Introductory laboratory science: number taken
QELGLERN	Credits_Earned_Subject	Business and legal support: credits earned
QELGLGPA	GPA_Subject	Business and legal support: GPA
QELGPA2F	GPA_Place	PFP It 2-yr institutions: GPA
QELT2ATT	Credits_Attempted_Place	LT-2-yr institutions: credits attempted
QELT2ERN	Credits_Earned_Place	LT-2-yr institutions: credits earned
QEMATATT	Credits_Attempted_Subject	All college-level mathematics: credits attempted
QEMATERN	Credits_Earned_Subject	All college-level mathematics: credits earned
QEMATGPA	GPA_Subject	All college-level mathematics: GPA
QEMATHR	Remedial_or_ESL	Remedial mathematics: number taken
QEMATNUM	Number_of_Courses_Taken	All college-level mathematics: number taken
QEMDAERN	Credits_Earned_Subject	Media studies: credits earned
QEMDAGPA	GPA_Subject	Media studies: GPA
QEMINERN	Credits_Earned_Subject	Minority/ethnic/women's/cultural studies: credits earned
QEMINGPA	GPA_Subject	Minority/ethnic/women's/cultural studies: GPA
QEMKTERN	Credits_Earned_Subject	Marketing/sales/retail/hospitality: credits earned
QEMKTGPA	GPA_Subject	Marketing/sales/retail/hospitality: GPA
QENCTATT	Credits_Attempted_Subject	Non-career and technical education: credits attempted
QENCTERN	Credits_Earned_Subject	Non-career and technical education: credits earned
QENCTGPA	GPA_Subject	Non-career and technical education: GPA
QENCTNUM	Number_of_Courses_Taken	Non-career and technical education: number taken
QENRSERN	Credits_Earned_Subject	Nursing: credits earned
QENRSGPA	GPA_Subject	Nursing: GPA
QENSEATT	Credits_Attempted_Subject	Non-science & engineering: credits attempted
QENSEERN	Credits_Earned_Subject	Non-science & engineering: credits earned
QENSEGPA	GPA_Subject	Non-science & engineering: GPA
QENSENUM	Number_of_Courses_Taken	Non-science & engineering: number taken
QENSTATT	Credits_Attempted_Subject	Non-STEM: credits attempted
QENSTERN	Credits_Earned_Subject	Non-STEM: credits earned
QENSTGPA	GPA_Subject	Non-STEM: GPA
QENSTNUM	Number_of_Courses_Taken	Non-STEM: number taken
QENWCERN	Credits_Earned_Subject	Non-western culture and society: credits earned
QENWCGPA	GPA_Subject	Non-western culture and society: GPA

See notes at end of table.

Table K-2. Transcript analysis variables: 2009—Continued

Variable name	Prefix	Variable label
QEOTHERR	Remedial_or_ESL	Remedial, not English/reading/math: number taken
QEPASENR	Remedial_or_ESL	Remedial English courses: number passed
QEPASESL	Remedial_or_ESL	English as a second language: number passed
QEPASMAR	Remedial_or_ESL	Remedial mathematics: number passed
QEPASOTR	Remedial_or_ESL	Remedial, not English/reading/math: number passed
QEPASR	Remedial_or_ESL	Remedial courses: number passed
QEPASRER	Remedial_or_ESL	Remedial reading: number passed
QEPF2ATT	Credits_Attempted_Place	Private, for-profit 2-yr institutions: credits attempted
QEPF2ERN	Credits_Earned_Place	Private, for-profit 2-yr: credits earned
QEPFPATT	Credits_Attempted_Place	Priv for-profit institutions: credits attempted
QEPFPERN	Credits_Earned_Place	Private, for-profit institutions: credits earned
QEPMAERN	Credits_Earned_Subject	Pre-college level mathematics: credits earned
QEPMAGPA	GPA_Subject	Pre-college level mathematics: GPA
QEPN2ATT	Credits_Attempted_Place	PNFP 2-yr institutions: credits attempted
QEPN2ERN	Credits_Earned_Place	PNFP 2-yr institutions: credits earned
QEPNP4AT	Credits_Attempted_Place	Private NFP 4-yr institutions: credits attempted
QEPNP4RN	Credits_Earned_Place	Private NFP 4-yr institutions: credits earned
QEPNPATT	Credits_Attempted_Place	PNFP institutions: credits attempted
QEPNPERN	Credits_Earned_Place	PNFP institutions: credits earned
QEPRTERN	Credits_Earned_Subject	Protective services: credits earned
QEPRTGPA	GPA_Subject	Protective services: GPA
QEPSCATT	Credits_Attempted_Subject	Physical science: credits attempted
QEPSCERN	Credits_Earned_Subject	Physical science: credits earned
QEPSCGPA	GPA_Subject	Physical science: GPA
QEPSCNUM	Number_of_Courses_Taken	Physical science: number taken
QEPSEATT	Credits_Attempted_Time	Postsecondary career: credits attempted
QEPSEERN	Credits_Earned_Time	Postsecondary career: credits earned
QEPSERAT	Credits_Earned_Time	Postsecondary career: ratio of credits earned to attempted
QEPSNERN	Credits_Earned_Subject	Personal/food/home services: credits earned
QEPSNGPA	GPA_Subject	Personal/food/home services: GPA
QEPSYERN	Credits_Earned_Subject	Psychology: credits earned
QEPSYGPA	GPA_Subject	Psychology: GPA
QEPUB2AT	Credits_Attempted_Place	Public 2-yr institutions: credits attempted
QEPUB2RN	Credits_Earned_Place	Public 2-yr institutions: credits earned
QEPUB4AT	Credits_Attempted_Place	Public 4-yr institutions: credits attempted
QEPUB4RN	Credits_Earned_Place	Public 4-yr institutions: credits earned
QEPUBATT	Credits_Attempted_Place	Public institutions: credits attempted
QEPUBERN	Credits_Earned_Place	Public institutions: credits earned
QEREADR	Remedial_or_ESL	Remedial reading: number taken
QERELERN	Credits_Earned_Subject	Religious studies and theology: credits earned
QERELGPA	GPA_Subject	Religious studies and theology: GPA
QEREMRAT	Remedial_or_ESL	Ratio of remedial courses to all courses
QERPTENR	Remedial_or_ESL	Remedial English courses: number repeated
QERPTESL	Remedial_or_ESL	English as a second language: number repeated
QERPTMAR	Remedial_or_ESL	Remedial mathematics courses: number repeated
QERPTOTR	Remedial_or_ESL	Remedial, not English/reading/math: number repeated
QERPTR	Remedial_or_ESL	Remedial courses: number repeated

See notes at end of table.

Table K-2. Transcript analysis variables: 2009—Continued

Variable name	Prefix	Variable label
QERPTRAT	Withdrawals_or_Repeats	Ratio of courses repeated to courses attempted
QERPTRER	Remedial_or_ESL	Remedial reading courses: number repeated
QESABERN	Credits_Earned_Place	Study abroad: credits earned
QESABRAT	Credits_Earned_Place	Study abroad: ratio of credits earned to total
QESCIATT	Credits_Attempted_Subject	All science courses: credits attempted
QESCIERN	Credits_Earned_Subject	All science courses: credits earned
QESCIGPA	GPA_Subject	All science courses: GPA
QESCI NUM	Number_of_Courses_Taken	All science courses: number taken
QESERATT	Credits_Attempted_Subject	Science & engineering: credits attempted
QESERERN	Credits_Earned_Subject	Science & engineering: credits earned
QESERGPA	GPA_Subject	Science & engineering: GPA
QESERNUM	Number_of_Courses_Taken	Science & engineering: number taken
QESPTERN	Credits_Earned_Subject	Sports/PE/recreation: credits earned
QESPTGPA	GPA_Subject	Sports/PE/recreation: GPA
QESSCERN	Credits_Earned_Subject	Social sciences: credits earned
QESSCGPA	GPA_Subject	Social sciences: GPA
QESTAATT	Credits_Attempted_Subject	Statistics courses in all departments: credits attempted
QESTAERN	Credits_Earned_Subject	Statistics courses in all departments: credits earned
QESTAGPA	GPA_Subject	Statistics courses in all departments: GPA
QESTANUM	Number_of_Courses_Taken	Statistics courses in all departments: number taken
QESTMATT	Credits_Attempted_Subject	STEM: credits attempted
QESTMERN	Credits_Earned_Subject	STEM: credits earned
QESTMGPA	GPA_Subject	STEM: GPA
QESTMNUM	Number_of_Courses_Taken	STEM: number taken
QESTTATT	Credits_Attempted_Subject	Student teaching: credits attempted
QESTTERN	Credits_Earned_Subject	Student teaching: credits earned
QESTTGPA	GPA_Subject	Student teaching: GPA
QESTTNUM	Number_of_Courses_Taken	Student teaching: number taken
QESUMATT	Credits_Attempted_Time	Summer terms: credits attempted
QESUMERN	Credits_Earned_Time	Summer terms: credits earned
QESUMRAT	Credits_Earned_Time	Summer terms: ratio of credits earned to total
QETCSRPT	Withdrawals_or_Repeats	Number of repeated courses
QETOTR	Remedial_or_ESL	Remedial courses: number taken
QEUGCRS	Number_of_Courses_Taken	Total number of undergraduate courses
QEWDRRAT	Withdrawals_or_Repeats	Ratio of courses withdrawn to courses attempted
QEWRTERN	Credits_Earned_Subject	Writing beyond English composition: credits earned
QEWRTGPA	GPA_Subject	Writing beyond English composition: GPA
QEWRRAT	Withdrawals_or_Repeats	Ratio of withdraw/repeats to all courses
QEYR1GPA	GPA_Time	GPA in first year of attendance
QEYR2GPA	GPA_Time	GPA in second year of attendance
QEYR3GPA	GPA_Time	GPA in third year of attendance
QEYR4GPA	GPA_Time	GPA in fourth year of attendance
QEYR5GPA	GPA_Time	GPA in fifth year of attendance
QEYR6GPA	GPA_Time	GPA in sixth year of attendance
QF11FBAC	Major_Minor_Field_of_Study	First Bachelor's degree field of study: 11 category
QF11LBAC	Major_Minor_Field_of_Study	Most recent Bachelor's degree field of study: 11 category
QF23FBAC	Major_Minor_Field_of_Study	First Bachelor's field of study: UG (23 categories)
QF23LBAC	Major_Minor_Field_of_Study	Most recent Bachelor's field of study: UG (23 categories)

See notes at end of table.

Table K-2. Transcript analysis variables: 2009—Continued

Variable name	Prefix	Variable label
QFANYDEG	Awards	Any degree attained
QFAS1MY	Awards	Date of first associate's degree earned
QFASLMY	Awards	Date of most recent associate's degree
QFBA1MY	Awards	Date of first bachelor's degree earned
QFBALMY	Awards	Date of most recent bachelor's degree
QFCGFAS	Major_Minor_Field_of_Study	First Associate's degree field of study: 2-digit CIP
QFCGFBA	Major_Minor_Field_of_Study	First Bachelor's degree field of study: 2-digit CIP
QFCGFCT	Major_Minor_Field_of_Study	First Certificate's degree field of study: 2-digit CIP
QFCGLAS	Major_Minor_Field_of_Study	Most recent Associate's field of study: 2-digit CIP
QFCGLBA	Major_Minor_Field_of_Study	Most recent Bachelor's degree field of study: 2-digit CIP
QFCGLCT	Major_Minor_Field_of_Study	Most recent Certificate's field of study: 2-digit CIP
QFCGND	Major_Minor_Field_of_Study	No degree field of study: 2-digit CIP
QFCSFAS	Major_Minor_Field_of_Study	First Associate's degree field of study: 4-digit CIP
QFCSFBA	Major_Minor_Field_of_Study	First Bachelor's degree field of study: 4-digit CIP
QFCSFCT	Major_Minor_Field_of_Study	First Certificate's degree field of study: 4-digit CIP
QFCSLAS	Major_Minor_Field_of_Study	Most recent Associate's field of study: 4-digit CIP
QFCSLBA	Major_Minor_Field_of_Study	Most recent Bachelor's degree field of study: 4-digit CIP
QFCSLCT	Major_Minor_Field_of_Study	Most recent Certificate's field of study: 4-digit CIP
QFCSND	Major_Minor_Field_of_Study	No degree field of study: 4-digit CIP
QFCT1MY	Awards	Date of first certificate earned
QFCTLMY	Awards	Date of most recent certificate
QFHDGHON	Awards	Highest degree attained was with honors
QFHGHDEG	Awards	Highest degree attained up to bachelors
QFMJSTEM	Major_Minor_Field_of_Study	STEM major field of study indicator
QFMNSTEM	Major_Minor_Field_of_Study	STEM minor field of study indicator
QFNPBAMY	Awards	Date bachelor's degree received at NPSAS institution
QFSEQAWD	Awards	Sequence of awards

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Appendix L

Design Effects

Table L-1. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for all students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	20.26	0.56	0.31	16,680	1.80	3.25
Attained degree at any institution	PRATT6Y = 1, 2	49.35	0.64	0.39	16,680	1.65	2.73
No degree from any institution	PRATT6Y = 3, 4	50.65	0.64	0.39	16,680	1.65	2.73
Earned a bachelor's degree at first institution	PROUTFI6 = 1	22.32	0.48	0.32	16,680	1.49	2.21
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	16.43	0.49	0.29	16,680	1.71	2.93
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	30.62	0.54	0.36	16,680	1.52	2.32
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	18.73	0.50	0.30	16,680	1.64	2.69
No degree from last institution attended	PRLVL6Y = 4, 5, 6	50.65	0.64	0.39	16,680	1.65	2.73
Transferred at least once	TFNUM6Y > 0	31.65	0.70	0.36	16,680	1.94	3.77
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	53.09	0.53	0.39	16,680	1.37	1.88
Currently repaying education loans (for students with loans)	RPYSL09 = 0	54.71	0.80	0.52	9,110	1.54	2.36
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	27.60	0.75	0.56	6,300	1.32	1.75
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	76.88	0.71	0.43	9,670	1.65	2.72
Currently employed	JOBST09 = 1	79.52	0.66	0.37	11,760	1.78	3.17
Hold license or certification for job	JOBLCH09 = 1	90.38	1.11	0.66	1,980	1.67	2.78
Self-employed	JOBEMP09 = 6	4.41	0.36	0.21	9,430	1.69	2.87
Current job related to coursework	JOBR09 = 1	39.60	1.21	0.68	5,170	1.77	3.15
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	29.92	0.72	0.47	9,430	1.53	2.35
Satisfied with pay at first job	JOBS09H = 1	59.09	0.71	0.52	9,030	1.38	1.90
Employer offers medical insurance	JBEN09B = 1	78.47	0.66	0.43	9,030	1.53	2.33
Consider current job start of career	JOBCAR09 = 1	53.47	0.84	0.51	9,430	1.64	2.69
Currently looking for job, for unemployed	UNEMPL09 = 1	67.51	1.34	0.97	2,330	1.38	1.91
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	26.97	0.70	0.41	11,560	1.71	2.91
Receiving unemployment compensation	UNEMCP09 = 1	26.79	1.73	1.11	1,590	1.56	2.42
Has a disability	DISABL09 = 1	14.18	0.44	0.27	16,680	1.62	2.61
Single, never married	SMAR09 = 1	64.59	0.64	0.37	16,680	1.73	2.99
Has any dependent children	DEPANY09 = 1	33.56	0.64	0.37	16,680	1.74	3.04
Received any untaxed benefits in 2008	UNTAX09 = 1	9.20	0.39	0.22	16,680	1.73	2.99
Has any credit cards in 2009	CRDANY09 = 1	64.20	0.69	0.37	16,680	1.86	3.47
Payoff credit card balance	CRDPAY09 = 1	48.06	0.84	0.48	10,990	1.76	3.09
Community service/volunteer work in last year	COMSRV09 = 1	33.16	0.50	0.36	16,680	1.36	1.85
Ever voted	VOTEVE09 = 1	88.82	0.38	0.25	16,070	1.53	2.35

See notes at end of table.

Table L-1. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for all students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.62	2.65
Minimum	†	†	†	†	†	1.32	1.75
25th percentile	†	†	†	†	†	1.53	2.34
Median	†	†	†	†	†	1.65	2.72
75th percentile	†	†	†	†	†	1.73	2.99
Maximum	†	†	†	†	†	1.94	3.77

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-2. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students whose base year institution was public, 2-year: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	26.91	1.12	0.60	5,550	1.88	3.54
Attained degree at any institution	PRATT6Y = 1, 2	33.97	0.98	0.64	5,550	1.55	2.40
No degree from any institution	PRATT6Y = 3, 4	66.03	0.98	0.64	5,550	1.55	2.40
Earned a bachelor's degree at first institution	PROUTFI6 = 1	#	†	†	5,550	†	†
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	21.04	0.88	0.55	5,550	1.61	2.58
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	11.33	0.62	0.43	5,550	1.46	2.13
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	22.64	0.88	0.56	5,550	1.56	2.44
No degree from last institution attended	PRLVL6Y = 4, 5, 6	66.03	0.98	0.64	5,550	1.55	2.40
Transferred at least once	TFNUM6Y > 0	39.90	1.32	0.66	5,550	2.01	4.03
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	35.83	0.97	0.64	5,550	1.51	2.27
Currently repaying education loans (for students with loans)	RPYSL09 = 0	45.24	1.65	1.03	2,330	1.60	2.55
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	21.78	1.96	1.53	720	1.28	1.64
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	63.44	1.28	0.90	2,850	1.42	2.02
Currently employed	JOBST09 = 1	78.24	1.25	0.66	3,890	1.89	3.57
Hold license or certification for job	JOBLCH09 = 1	90.55	1.96	1.13	680	1.74	3.03
Self-employed	JOBEMP09 = 6	4.51	0.56	0.38	3,050	1.50	2.24
Current job related to coursework	JOBRCR09 = 1	38.47	1.74	1.02	2,270	1.71	2.91
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	19.03	0.95	0.71	3,050	1.33	1.77
Satisfied with pay at first job	JOBS09H = 1	60.75	1.26	0.91	2,910	1.39	1.92
Employer offers medical insurance	JBEN09B = 1	76.95	1.23	0.78	2,910	1.58	2.48
Consider current job start of career	JOBCAR09 = 1	48.99	1.31	0.90	3,050	1.44	2.08
Currently looking for job, for unemployed	UNEMPL09 = 1	63.48	2.17	1.67	830	1.30	1.70
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	25.94	1.34	0.71	3,770	1.87	3.49
Receiving unemployment compensation	UNEMCP09 = 1	28.36	2.84	1.96	530	1.45	2.11
Has a disability	DISABL09 = 1	15.66	0.84	0.49	5,550	1.73	3.00
Single, never married	SMAR09 = 1	57.03	1.06	0.66	5,550	1.60	2.55
Has any dependent children	DEPANY09 = 1	41.20	1.09	0.66	5,550	1.65	2.74
Received any untaxed benefits in 2008	UNTAX09 = 1	9.88	0.57	0.40	5,550	1.43	2.04
Has any credit cards in 2009	CRDANY09 = 1	61.98	1.25	0.65	5,550	1.91	3.66
Payoff credit card balance	CRDPAY09 = 1	41.03	1.47	0.85	3,360	1.73	3.00
Community service/volunteer work in last year	COMSRV09 = 1	29.26	0.84	0.61	5,550	1.38	1.90
Ever voted	VOTEVE09 = 1	87.92	0.59	0.45	5,310	1.32	1.73

See notes at end of table.

Table L-2. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students whose base year institution was public, 2-year: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.58	2.53
Minimum	†	†	†	†	†	1.28	1.64
25th percentile	†	†	†	†	†	1.43	2.04
Median	†	†	†	†	†	1.55	2.40
75th percentile	†	†	†	†	†	1.73	3.00
Maximum	†	†	†	†	†	2.01	4.03

† Not applicable.

Rounds to zero.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-3. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students whose base year institution was public, 4-year: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	15.14	0.77	0.53	4,640	1.47	2.15
Attained degree at any institution	PRATT6Y = 1, 2	64.87	1.23	0.70	4,640	1.75	3.06
No degree from any institution	PRATT6Y = 3, 4	35.13	1.23	0.70	4,640	1.75	3.06
Earned a bachelor's degree at first institution	PROUTFI6 = 1	51.67	1.24	0.73	4,640	1.69	2.86
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	1.89	0.39	0.20	4,640	1.93	3.72
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	59.58	1.33	0.72	4,640	1.84	3.40
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	5.30	0.46	0.33	4,640	1.41	1.99
No degree from last institution attended	PRLVL6Y = 4, 5, 6	35.13	1.23	0.70	4,640	1.75	3.06
Transferred at least once	TFNUM6Y > 0	25.67	0.83	0.64	4,640	1.29	1.66
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	58.44	0.74	0.72	4,640	1.03	1.06
Currently repaying education loans (for students with loans)	RPYSL09 = 0	56.03	1.34	0.96	2,680	1.40	1.95
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	27.75	1.03	0.84	2,860	1.23	1.51
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	90.82	0.69	0.50	3,350	1.39	1.93
Currently employed	JOBST09 = 1	85.59	0.80	0.63	3,060	1.27	1.61
Hold license or certification for job	JOBLC09 = 1	90.88	1.32	1.33	470	0.99	0.99
Self-employed	JOBEMP09 = 6	3.03	0.38	0.34	2,610	1.14	1.31
Current job related to coursework	JOBRCR09 = 1	32.41	2.45	1.57	880	1.55	2.42
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	44.90	1.35	0.97	2,610	1.38	1.91
Satisfied with pay at first job	JOBS09H = 1	58.62	1.29	0.98	2,530	1.32	1.75
Employer offers medical insurance	JBEN09B = 1	79.80	0.94	0.80	2,530	1.17	1.38
Consider current job start of career	JOBCAR09 = 1	58.37	1.20	0.97	2,610	1.25	1.55
Currently looking for job, for unemployed	UNEMPL09 = 1	68.26	2.90	2.18	460	1.33	1.77
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	21.51	1.02	0.75	3,020	1.37	1.88
Receiving unemployment compensation	UNEMCP09 = 1	28.17	3.25	2.51	320	1.29	1.67
Has a disability	DISABL09 = 1	10.64	0.54	0.45	4,640	1.20	1.44
Single, never married	SMAR09 = 1	78.73	0.95	0.60	4,640	1.59	2.51
Has any dependent children	DEPANY09 = 1	14.12	0.82	0.51	4,640	1.60	2.57
Received any untaxed benefits in 2008	UNTAX09 = 1	4.49	0.47	0.30	4,640	1.55	2.42
Has any credit cards in 2009	CRDANY09 = 1	74.84	0.91	0.64	4,640	1.43	2.05
Payoff credit card balance	CRDPAY09 = 1	56.63	1.04	0.84	3,510	1.24	1.53
Community service/volunteer work in last year	COMSRV09 = 1	40.34	0.96	0.72	4,640	1.33	1.77
Ever voted	VOTEVE09 = 1	90.63	0.67	0.43	4,520	1.55	2.42

See notes at end of table.

Table L-3. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students whose base year institution was public, 4-year: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.42	2.07
Minimum	†	†	†	†	†	0.99	0.99
25th percentile	†	†	†	†	†	1.26	1.58
Median	†	†	†	†	†	1.39	1.92
75th percentile	†	†	†	†	†	1.57	2.47
Maximum	†	†	†	†	†	1.93	3.72

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-4. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students whose base year institution was private nonprofit, 4-year: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	13.22	1.09	0.56	3,680	1.96	3.82
Attained degree at any institution	PRATT6Y = 1, 2	69.39	1.54	0.76	3,680	2.02	4.10
No degree from any institution	PRATT6Y = 3, 4	30.61	1.54	0.76	3,680	2.02	4.10
Earned a bachelor's degree at first institution	PROUTFI6 = 1	56.43	1.87	0.82	3,680	2.29	5.25
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	2.78	0.73	0.27	3,680	2.70	7.28
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	64.04	1.98	0.79	3,680	2.50	6.26
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	5.35	0.88	0.37	3,680	2.38	5.69
No degree from last institution attended	PRLVL6Y = 4, 5, 6	30.61	1.54	0.76	3,680	2.02	4.10
Transferred at least once	TFNUM6Y > 0	25.04	1.35	0.71	3,680	1.90	3.60
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	65.94	0.92	0.78	3,680	1.17	1.38
Currently repaying education loans (for students with loans)	RPYSL09 = 0	64.33	1.42	0.99	2,330	1.43	2.06
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	31.52	1.31	0.91	2,610	1.44	2.07
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	89.87	1.39	0.58	2,670	2.38	5.67
Currently employed	JOBST09 = 1	83.11	1.22	0.75	2,490	1.62	2.63
Hold license or certification for job	JOBLC09 = 1	87.70	2.09	1.73	360	1.21	1.46
Self-employed	JOBEMP09 = 6	3.74	0.81	0.41	2,110	1.96	3.84
Current job related to coursework	JOBRCR09 = 1	43.12	3.58	2.06	580	1.74	3.02
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	52.17	2.20	1.09	2,110	2.02	4.07
Satisfied with pay at first job	JOBS09H = 1	57.36	1.45	1.09	2,050	1.32	1.75
Employer offers medical insurance	JBEN09B = 1	81.15	1.22	0.86	2,050	1.41	1.98
Consider current job start of career	JOBCAR09 = 1	59.27	1.56	1.07	2,110	1.46	2.12
Currently looking for job, for unemployed	UNEMPL09 = 1	73.04	3.50	2.27	380	1.54	2.37
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	24.86	1.32	0.87	2,470	1.52	2.30
Receiving unemployment compensation	UNEMCP09 = 1	26.60	4.67	2.66	280	1.76	3.10
Has a disability	DISABL09 = 1	12.38	0.82	0.54	3,680	1.51	2.29
Single, never married	SMAR09 = 1	78.14	1.13	0.68	3,680	1.66	2.76
Has any dependent children	DEPANY09 = 1	14.06	1.05	0.57	3,680	1.84	3.38
Received any untaxed benefits in 2008	UNTAX09 = 1	4.74	0.64	0.35	3,680	1.83	3.35
Has any credit cards in 2009	CRDANY09 = 1	74.25	1.33	0.72	3,680	1.84	3.39
Payoff credit card balance	CRDPAY09 = 1	60.41	1.42	0.93	2,790	1.53	2.34
Community service/volunteer work in last year	COMSRV09 = 1	44.20	1.50	0.82	3,680	1.83	3.34
Ever voted	VOTEVE09 = 1	91.98	0.71	0.45	3,570	1.57	2.46

See notes at end of table.

Table L-4. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students whose base year institution was private nonprofit, 4-year: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.79	3.35
Minimum	†	†	†	†	†	1.17	1.38
25th percentile	†	†	†	†	†	1.52	2.30
Median	†	†	†	†	†	1.79	3.22
75th percentile	†	†	†	†	†	2.02	4.08
Maximum	†	†	†	†	†	2.70	7.28

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-5. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students whose base year institution was private-for-profit, 2-year or less: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	17.82	1.36	0.96	1,580	1.41	1.99
Attained degree at any institution	PRATT6Y = 1, 2	48.58	2.53	1.26	1,580	2.01	4.05
No degree from any institution	PRATT6Y = 3, 4	51.42	2.53	1.26	1,580	2.01	4.05
Earned a bachelor's degree at first institution	PROUTFI6 = 1	#	†	†	1,580	†	†
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	46.17	2.70	1.25	1,580	2.15	4.62
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	0.28	0.14	0.13	1,580	1.06	1.12
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	48.30	2.56	1.26	1,580	2.03	4.14
No degree from last institution attended	PRLVL6Y = 4, 5, 6	51.42	2.53	1.26	1,580	2.01	4.05
Transferred at least once	TFNUM6Y > 0	24.09	1.72	1.08	1,580	1.60	2.56
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	86.64	1.35	0.86	1,580	1.57	2.47
Currently repaying education loans (for students with loans)	RPYSL09 = 0	59.85	2.52	1.46	1,130	1.73	2.99
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	17.23	19.15	12.59	10	1.52	2.31
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	49.54	3.95	2.60	370	1.52	2.31
Currently employed	JOBST09 = 1	68.23	2.19	1.28	1,330	1.72	2.94
Hold license or certification for job	JOBLCH09 = 1	90.42	3.37	1.82	260	1.85	3.42
Self-employed	JOBEMP09 = 6	9.12	1.87	0.95	910	1.97	3.88
Current job related to coursework	JOBRCR09 = 1	47.82	2.90	1.75	810	1.66	2.74
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	13.42	2.37	1.13	910	2.11	4.44
Satisfied with pay at first job	JOBS09H = 1	57.57	2.15	1.71	830	1.25	1.57
Employer offers medical insurance	JBEN09B = 1	74.76	2.44	1.51	830	1.62	2.63
Consider current job start of career	JOBCAR09 = 1	52.69	2.77	1.65	910	1.68	2.81
Currently looking for job, for unemployed	UNEMPL09 = 1	72.90	4.15	2.18	420	1.90	3.62
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	43.15	2.40	1.36	1,320	1.76	3.09
Receiving unemployment compensation	UNEMCP09 = 1	22.12	3.49	2.39	300	1.46	2.13
Has a disability	DISABL09 = 1	18.29	1.32	0.97	1,580	1.36	1.84
Single, never married	SMAR09 = 1	49.13	2.43	1.26	1,580	1.93	3.74
Has any dependent children	DEPANY09 = 1	67.68	1.98	1.18	1,580	1.68	2.83
Received any untaxed benefits in 2008	UNTAX09 = 1	23.62	2.28	1.07	1,580	2.13	4.56
Has any credit cards in 2009	CRDANY09 = 1	38.35	2.03	1.22	1,580	1.66	2.76
Payoff credit card balance	CRDPAY09 = 1	28.34	2.30	1.73	680	1.33	1.77
Community service/volunteer work in last year	COMSRV09 = 1	20.84	1.79	1.02	1,580	1.75	3.07
Ever voted	VOTEVE09 = 1	84.38	1.19	0.94	1,500	1.27	1.62

See notes at end of table.

Table L-5. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students whose base year institution was private for-profit, 2-year or less: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.70	2.97
Minimum	†	†	†	†	†	1.06	1.12
25th percentile	†	†	†	†	†	1.52	2.31
Median	†	†	†	†	†	1.68	2.83
75th percentile	†	†	†	†	†	1.97	3.88
Maximum	†	†	†	†	†	2.15	4.62

† Not applicable.

Rounds to zero.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-6. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students whose base year institution was private-for-profit, 4 year: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	14.83	2.45	1.85	370	1.33	1.76
Attained degree at any institution	PRATT6Y = 1, 2	33.94	4.30	2.46	370	1.75	3.05
No degree from any institution	PRATT6Y = 3, 4	66.06	4.30	2.46	370	1.75	3.05
Earned a bachelor's degree at first institution	PROUTFI6 = 1	13.75	2.99	1.79	370	1.67	2.79
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	15.25	3.41	1.87	370	1.83	3.33
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	15.98	3.54	1.91	370	1.86	3.45
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	17.96	3.62	2.00	370	1.81	3.29
No degree from last institution attended	PRLVL6Y = 4, 5, 6	66.06	4.30	2.46	370	1.75	3.05
Transferred at least once	TFNUM6Y > 0	26.30	5.03	2.29	370	2.20	4.82
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	88.06	2.38	1.69	370	1.41	2.00
Currently repaying education loans (for students with loans)	RPYSL09 = 0	55.53	4.21	2.84	310	1.48	2.19
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	11.07	4.99	4.23	60	1.18	1.39
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	59.04	6.48	3.82	170	1.70	2.89
Currently employed	JOBST09 = 1	82.05	4.86	2.23	300	2.18	4.74
Hold license or certification for job	JOBLCH09 = 1	89.74	5.27	4.29	50	1.23	1.51
Self-employed	JOBEMP09 = 6	3.56	2.02	1.21	230	1.66	2.77
Current job related to coursework	JOBRCR09 = 1	35.62	7.32	3.57	180	2.05	4.21
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	15.82	5.43	2.39	230	2.27	5.16
Satisfied with pay at first job	JOBS09H = 1	54.79	5.42	3.36	220	1.61	2.61
Employer offers medical insurance	JBEN09B = 1	84.22	3.54	2.46	220	1.44	2.08
Consider current job start of career	JOBCAR09 = 1	46.79	8.02	3.27	230	2.45	6.02
Currently looking for job, for unemployed	UNEMPL09 = 1	68.20	8.84	5.91	60	1.49	2.23
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	28.31	3.79	2.65	290	1.43	2.06
Receiving unemployment compensation	UNEMCP09 = 1	31.61	14.99	7.01	40	2.14	4.57
Has a disability	DISABL09 = 1	16.77	3.66	1.94	370	1.88	3.55
Single, never married	SMAR09 = 1	55.82	4.26	2.58	370	1.65	2.72
Has any dependent children	DEPANY09 = 1	51.68	5.17	2.60	370	1.99	3.97
Received any untaxed benefits in 2008	UNTAX09 = 1	9.36	3.34	1.51	370	2.21	4.86
Has any credit cards in 2009	CRDANY09 = 1	48.40	4.01	2.60	370	1.54	2.38
Payoff credit card balance	CRDPAY09 = 1	32.03	5.57	3.39	190	1.64	2.70
Community service/volunteer work in last year	COMSRV09 = 1	22.17	2.71	2.16	370	1.26	1.58
Ever voted	VOTEVE09 = 1	87.25	3.72	1.77	350	2.10	4.40

See notes at end of table.

Table L-6. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students whose base year institution was private for-profit, 4 year: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.75	3.16
Minimum	†	†	†	†	†	1.18	1.39
25th percentile	†	†	†	†	†	1.49	2.21
Median	†	†	†	†	†	1.72	2.97
75th percentile	†	†	†	†	†	2.02	4.09
Maximum	†	†	†	†	†	2.45	6.02

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-7. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students whose base year institution was public less-than-2-year or private nonprofit 2-year or less: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	17.30	2.81	1.29	860	2.18	4.76
Attained degree at any institution	PRATT6Y = 1, 2	57.02	4.37	1.69	860	2.59	6.71
No degree from any institution	PRATT6Y = 3, 4	42.98	4.37	1.69	860	2.59	6.71
Earned a bachelor's degree at first institution	PROUTFI6 = 1	#	†	†	860	†	†
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	51.56	4.75	1.70	860	2.78	7.76
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	4.52	1.93	0.71	860	2.73	7.43
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	52.50	4.15	1.70	860	2.43	5.93
No degree from last institution attended	PRLVL6Y = 4, 5, 6	42.98	4.37	1.69	860	2.59	6.71
Transferred at least once	TFNUM6Y > 0	28.51	3.15	1.54	860	2.05	4.18
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	38.78	2.65	1.66	860	1.60	2.54
Currently repaying education loans (for students with loans)	RPYSL09 = 0	54.86	6.11	2.69	340	2.27	5.14
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	19.93	12.09	5.96	50	2.03	4.12
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	58.33	6.17	3.02	270	2.04	4.18
Currently employed	JOBST09 = 1	72.11	4.17	1.70	700	2.46	6.03
Hold license or certification for job	JOBLCH09 = 1	93.77	3.51	1.88	170	1.87	3.50
Self-employed	JOBEMP09 = 6	3.41	1.46	0.80	520	1.84	3.37
Current job related to coursework	JOBRCR09 = 1	52.58	4.88	2.37	440	2.06	4.24
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	16.66	3.61	1.64	520	2.20	4.85
Satisfied with pay at first job	JOBS09H = 1	58.59	4.85	2.22	490	2.18	4.77
Employer offers medical insurance	JBEN09B = 1	79.53	3.71	1.82	490	2.04	4.16
Consider current job start of career	JOBCAR09 = 1	56.99	4.17	2.18	520	1.92	3.67
Currently looking for job, for unemployed	UNEMPL09 = 1	69.39	6.62	3.43	180	1.93	3.72
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	30.35	4.83	1.75	690	2.77	7.65
Receiving unemployment compensation	UNEMCP09 = 1	23.58	7.13	3.96	120	1.80	3.24
Has a disability	DISABL09 = 1	16.89	2.35	1.28	860	1.84	3.39
Single, never married	SMAR09 = 1	40.09	3.37	1.67	860	2.02	4.07
Has any dependent children	DEPANY09 = 1	59.40	3.23	1.67	860	1.93	3.72
Received any untaxed benefits in 2008	UNTAX09 = 1	14.69	2.91	1.21	860	2.41	5.82
Has any credit cards in 2009	CRDANY09 = 1	56.59	3.66	1.69	860	2.16	4.69
Payoff credit card balance	CRDPAY09 = 1	38.79	4.92	2.27	460	2.16	4.68
Community service/volunteer work in last year	COMSRV09 = 1	24.86	2.80	1.47	860	1.90	3.62
Ever voted	VOTEVE09 = 1	86.97	2.56	1.18	810	2.16	4.68

See notes at end of table.

Table L-7. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students whose base year institution was public less-than-2-year or private nonprofit 2-year or less: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	2.18	4.84
Minimum	†	†	†	†	†	1.60	2.54
25th percentile	†	†	†	†	†	1.93	3.72
Median	†	†	†	†	†	2.16	4.68
75th percentile	†	†	†	†	†	2.43	5.93
Maximum	†	†	†	†	†	2.78	7.76

† Not applicable.

Rounds to zero.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-8. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for male students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	20.60	0.95	0.49	6,880	1.94	3.77
Attained degree at any institution	PRATT6Y = 1, 2	46.44	0.95	0.60	6,880	1.57	2.48
No degree from any institution	PRATT6Y = 3, 4	53.56	0.95	0.60	6,880	1.57	2.48
Earned a bachelor's degree at first institution	PROUTFI6 = 1	21.68	0.71	0.50	6,880	1.44	2.06
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	14.01	0.73	0.42	6,880	1.74	3.03
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	30.01	0.85	0.55	6,880	1.54	2.36
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	16.43	0.87	0.45	6,880	1.94	3.77
No degree from last institution attended	PRLVL6Y = 4, 5, 6	53.56	0.95	0.60	6,880	1.57	2.48
Transferred at least once	TFNUM6Y > 0	33.05	1.10	0.57	6,880	1.95	3.78
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	49.63	1.01	0.60	6,880	1.67	2.80
Currently repaying education loans (for students with loans)	RPYSL09 = 0	56.90	1.49	0.83	3,590	1.80	3.25
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	22.69	1.11	0.82	2,600	1.35	1.84
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	77.24	1.14	0.67	3,860	1.70	2.87
Currently employed	JOBST09 = 1	80.24	1.02	0.57	4,930	1.80	3.25
Hold license or certification for job	JOBLCH09 = 1	88.55	1.98	1.16	750	1.70	2.89
Self-employed	JOBEMP09 = 6	5.55	0.61	0.36	4,020	1.69	2.87
Current job related to coursework	JOBRCR09 = 1	38.52	1.81	1.02	2,260	1.77	3.13
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	27.13	0.99	0.70	4,020	1.41	1.99
Satisfied with pay at first job	JOBS09H = 1	61.44	1.12	0.79	3,820	1.42	2.01
Employer offers medical insurance	JBEN09B = 1	78.96	1.06	0.66	3,820	1.61	2.58
Consider current job start of career	JOBCAR09 = 1	54.59	1.22	0.79	4,020	1.55	2.42
Currently looking for job, for unemployed	UNEMPL09 = 1	77.38	1.96	1.38	910	1.41	2.00
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	28.18	1.11	0.65	4,840	1.72	2.97
Receiving unemployment compensation	UNEMCP09 = 1	30.22	2.57	1.72	710	1.49	2.23
Has a disability	DISABL09 = 1	13.87	0.64	0.42	6,880	1.53	2.35
Single, never married	SMAR09 = 1	70.85	1.12	0.55	6,880	2.04	4.16
Has any dependent children	DEPANY09 = 1	25.30	1.11	0.52	6,880	2.12	4.48
Received any untaxed benefits in 2008	UNTAX09 = 1	5.17	0.41	0.27	6,880	1.52	2.32
Has any credit cards in 2009	CRDANY09 = 1	63.54	1.13	0.58	6,880	1.95	3.80
Payoff credit card balance	CRDPAY09 = 1	52.51	1.48	0.75	4,460	1.98	3.91
Community service/volunteer work in last year	COMSRV09 = 1	32.42	0.82	0.56	6,880	1.44	2.09
Ever voted	VOTEVE09 = 1	88.15	0.61	0.40	6,600	1.53	2.34

See notes at end of table.

Table L-8. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for male students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.67	2.84
Minimum	†	†	†	†	†	1.35	1.84
25th percentile	†	†	†	†	†	1.53	2.33
Median	†	†	†	†	†	1.64	2.69
75th percentile	†	†	†	†	†	1.80	3.25
Maximum	†	†	†	†	†	2.12	4.48

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-9. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for female students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	20.01	0.59	0.40	9,810	1.47	2.16
Attained degree at any institution	PRATT6Y = 1, 2	51.51	0.89	0.50	9,810	1.76	3.08
No degree from any institution	PRATT6Y = 3, 4	48.49	0.89	0.50	9,810	1.76	3.08
Earned a bachelor's degree at first institution	PROUTFI6 = 1	22.79	0.68	0.42	9,810	1.61	2.61
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	18.23	0.64	0.39	9,810	1.65	2.73
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	31.07	0.78	0.47	9,810	1.68	2.81
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	20.44	0.66	0.41	9,810	1.62	2.62
No degree from last institution attended	PRLVL6Y = 4, 5, 6	48.49	0.89	0.50	9,810	1.76	3.08
Transferred at least once	TFNUM6Y > 0	30.60	0.65	0.47	9,810	1.40	1.95
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	55.65	0.85	0.50	9,810	1.69	2.86
Currently repaying education loans (for students with loans)	RPYSL09 = 0	53.23	0.99	0.67	5,530	1.47	2.17
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	31.12	1.03	0.76	3,700	1.35	1.83
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	76.63	0.93	0.56	5,810	1.68	2.83
Currently employed	JOBST09 = 1	78.98	0.78	0.49	6,830	1.58	2.50
Hold license or certification for job	JOBLCH09 = 1	91.64	1.25	0.79	1,230	1.58	2.51
Self-employed	JOBEMP09 = 6	3.52	0.48	0.25	5,410	1.90	3.60
Current job related to coursework	JOBRCR09 = 1	40.47	1.43	0.91	2,900	1.57	2.48
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	32.06	1.02	0.63	5,410	1.60	2.57
Satisfied with pay at first job	JOBS09H = 1	57.32	0.97	0.68	5,210	1.42	2.01
Employer offers medical insurance	JBEN09B = 1	78.10	0.82	0.57	5,210	1.43	2.04
Consider current job start of career	JOBCAR09 = 1	52.60	1.14	0.68	5,410	1.69	2.84
Currently looking for job, for unemployed	UNEMPL09 = 1	60.49	2.07	1.30	1,410	1.60	2.54
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	26.05	0.92	0.54	6,720	1.72	2.94
Receiving unemployment compensation	UNEMCP09 = 1	23.67	2.34	1.44	880	1.63	2.66
Has a disability	DISABL09 = 1	14.40	0.55	0.35	9,810	1.56	2.43
Single, never married	SMAR09 = 1	59.95	0.79	0.49	9,810	1.59	2.54
Has any dependent children	DEPANY09 = 1	39.68	0.79	0.49	9,810	1.60	2.58
Received any untaxed benefits in 2008	UNTAX09 = 1	12.20	0.61	0.33	9,810	1.86	3.46
Has any credit cards in 2009	CRDANY09 = 1	64.69	0.80	0.48	9,810	1.65	2.72
Payoff credit card balance	CRDPAY09 = 1	44.81	0.98	0.62	6,520	1.58	2.51
Community service/volunteer work in last year	COMSRV09 = 1	33.71	0.64	0.48	9,810	1.34	1.80
Ever voted	VOTEVE09 = 1	89.32	0.48	0.32	9,460	1.51	2.27

See notes at end of table.

Table L-9. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for female students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.60	2.59
Minimum	†	†	†	†	†	1.34	1.80
25th percentile	†	†	†	†	†	1.53	2.35
Median	†	†	†	†	†	1.60	2.57
75th percentile	†	†	†	†	†	1.68	2.84
Maximum	†	†	†	†	†	1.90	3.60

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-10. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for White students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	17.56	0.67	0.37	10,740	1.82	3.32
Attained degree at any institution	PRATT6Y = 1, 2	53.96	0.71	0.48	10,740	1.47	2.17
No degree from any institution	PRATT6Y = 3, 4	46.04	0.71	0.48	10,740	1.47	2.17
Earned a bachelor's degree at first institution	PROUTFI6 = 1	26.66	0.75	0.43	10,740	1.77	3.12
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	15.65	0.62	0.35	10,740	1.76	3.09
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	36.20	0.75	0.46	10,740	1.62	2.62
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	17.77	0.64	0.37	10,740	1.74	3.02
No degree from last institution attended	PRLVL6Y = 4, 5, 6	46.04	0.71	0.48	10,740	1.47	2.17
Transferred at least once	TFNUM6Y > 0	30.65	0.88	0.44	10,740	1.99	3.94
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	52.24	0.82	0.48	10,740	1.70	2.90
Currently repaying education loans (for students with loans)	RPYSL09 = 0	58.91	1.08	0.65	5,730	1.66	2.76
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	27.69	0.92	0.65	4,690	1.41	1.98
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	78.47	0.90	0.51	6,420	1.76	3.10
Currently employed	JOBST09 = 1	82.80	0.80	0.43	7,680	1.85	3.42
Hold license or certification for job	JOBLCH09 = 1	91.44	1.41	0.77	1,310	1.83	3.34
Self-employed	JOBEMP09 = 6	4.17	0.43	0.25	6,400	1.74	3.03
Current job related to coursework	JOBRCR09 = 1	37.51	1.54	0.86	3,190	1.80	3.23
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	33.25	0.89	0.59	6,400	1.51	2.27
Satisfied with pay at first job	JOBS09H = 1	60.16	0.93	0.62	6,150	1.49	2.22
Employer offers medical insurance	JBEN09B = 1	78.45	0.89	0.52	6,150	1.70	2.90
Consider current job start of career	JOBCAR09 = 1	55.42	0.96	0.62	6,400	1.55	2.39
Currently looking for job, for unemployed	UNEMPL09 = 1	65.11	1.81	1.34	1,270	1.36	1.84
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	21.69	0.82	0.47	7,580	1.74	3.01
Receiving unemployment compensation	UNEMCP09 = 1	28.50	2.63	1.57	830	1.68	2.83
Has a disability	DISABL09 = 1	15.04	0.57	0.34	10,740	1.65	2.72
Single, never married	SMAR09 = 1	63.32	0.86	0.47	10,740	1.86	3.46
Has any dependent children	DEPANY09 = 1	28.26	0.92	0.43	10,740	2.11	4.44
Received any untaxed benefits in 2008	UNTAX09 = 1	6.84	0.38	0.24	10,740	1.57	2.47
Has any credit cards in 2009	CRDANY09 = 1	69.88	0.80	0.44	10,740	1.81	3.29
Payoff credit card balance	CRDPAY09 = 1	51.15	1.11	0.57	7,620	1.93	3.73
Community service/volunteer work in last year	COMSRV09 = 1	35.09	0.65	0.46	10,740	1.42	2.01
Ever voted	VOTEVE09 = 1	89.76	0.45	0.29	10,630	1.54	2.38

See notes at end of table.

Table L-10. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for White students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.68	2.85
Minimum	†	†	†	†	†	1.36	1.84
25th percentile	†	†	†	†	†	1.52	2.32
Median	†	†	†	†	†	1.70	2.90
75th percentile	†	†	†	†	†	1.81	3.26
Maximum	†	†	†	†	†	2.11	4.44

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-11. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for Black or African American students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	26.41	1.48	0.94	2,200	1.57	2.48
Attained degree at any institution	PRATT6Y = 1, 2	36.84	1.79	1.03	2,200	1.74	3.03
No degree from any institution	PRATT6Y = 3, 4	63.16	1.79	1.03	2,200	1.74	3.03
Earned a bachelor's degree at first institution	PROUTFI6 = 1	11.94	1.04	0.69	2,200	1.50	2.26
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	17.05	1.58	0.80	2,200	1.97	3.87
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	16.72	1.24	0.80	2,200	1.56	2.44
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	20.12	1.59	0.85	2,200	1.86	3.47
No degree from last institution attended	PRLVL6Y = 4, 5, 6	63.16	1.79	1.03	2,200	1.74	3.03
Transferred at least once	TFNUM6Y > 0	33.76	1.50	1.01	2,200	1.48	2.20
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	65.91	2.01	1.01	2,200	1.99	3.94
Currently repaying education loans (for students with loans)	RPYSL09 = 0	43.30	1.68	1.28	1,500	1.32	1.73
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	29.66	3.11	2.13	460	1.46	2.13
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	68.06	2.09	1.34	1,210	1.56	2.43
Currently employed	JOBST09 = 1	72.73	1.73	1.16	1,470	1.49	2.22
Hold license or certification for job	JOBLCH09 = 1	90.27	2.87	1.89	250	1.52	2.30
Self-employed	JOBEMP09 = 6	5.22	0.97	0.68	1,070	1.43	2.05
Current job related to coursework	JOBRCR09 = 1	40.43	2.90	1.79	750	1.62	2.62
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	21.06	1.91	1.25	1,070	1.53	2.33
Satisfied with pay at first job	JOBS09H = 1	54.63	2.31	1.56	1,020	1.48	2.18
Employer offers medical insurance	JBEN09B = 1	81.47	1.92	1.22	1,020	1.57	2.47
Consider current job start of career	JOBCAR09 = 1	47.81	2.35	1.53	1,070	1.54	2.37
Currently looking for job, for unemployed	UNEMPL09 = 1	67.93	3.46	2.34	400	1.48	2.18
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	40.86	2.01	1.30	1,430	1.55	2.40
Receiving unemployment compensation	UNEMCP09 = 1	26.61	4.42	2.61	290	1.69	2.86
Has a disability	DISABL09 = 1	11.70	1.11	0.69	2,200	1.62	2.63
Single, never married	SMAR09 = 1	67.95	1.73	0.99	2,200	1.74	3.03
Has any dependent children	DEPANY09 = 1	51.85	1.76	1.07	2,200	1.65	2.74
Received any untaxed benefits in 2008	UNTAX09 = 1	21.33	1.45	0.87	2,200	1.66	2.77
Has any credit cards in 2009	CRDANY09 = 1	36.56	1.53	1.03	2,200	1.49	2.23
Payoff credit card balance	CRDPAY09 = 1	31.24	2.47	1.57	870	1.57	2.47
Community service/volunteer work in last year	COMSRV09 = 1	30.48	1.50	0.98	2,200	1.52	2.32
Ever voted	VOTEVE09 = 1	92.64	0.86	0.57	2,090	1.51	2.29

See notes at end of table.

Table L-11. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for Black or African American students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.60	2.58
Minimum	†	†	†	†	†	1.32	1.73
25th percentile	†	†	†	†	†	1.50	2.25
Median	†	†	†	†	†	1.56	2.44
75th percentile	†	†	†	†	†	1.68	2.81
Maximum	†	†	†	†	†	1.99	3.94

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-12. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for Hispanic or Latino students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	23.30	1.30	0.92	2,110	1.41	2.00
Attained degree at any institution	PRATT6Y = 1, 2	40.80	1.97	1.07	2,110	1.85	3.41
No degree from any institution	PRATT6Y = 3, 4	59.20	1.97	1.07	2,110	1.85	3.41
Earned a bachelor's degree at first institution	PROUTFI6 = 1	11.52	0.83	0.69	2,110	1.20	1.43
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	21.94	1.98	0.90	2,110	2.20	4.82
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	16.83	1.07	0.81	2,110	1.32	1.74
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	23.98	1.99	0.93	2,110	2.14	4.58
No degree from last institution attended	PRLVL6Y = 4, 5, 6	59.20	1.97	1.07	2,110	1.85	3.41
Transferred at least once	TFNUM6Y > 0	30.20	1.45	1.00	2,110	1.45	2.11
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	48.43	1.74	1.09	2,110	1.60	2.56
Currently repaying education loans (for students with loans)	RPYSL09 = 0	52.67	2.22	1.51	1,100	1.47	2.17
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	26.75	3.02	2.02	480	1.49	2.22
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	72.35	2.32	1.35	1,100	1.72	2.96
Currently employed	JOBST09 = 1	74.86	1.63	1.12	1,500	1.45	2.11
Hold license or certification for job	JOBLC09 = 1	88.60	2.99	2.05	240	1.46	2.13
Self-employed	JOBEMP09 = 6	4.01	0.79	0.59	1,110	1.35	1.82
Current job related to coursework	JOBRCR09 = 1	45.44	2.82	1.80	770	1.57	2.46
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	20.41	1.79	1.21	1,110	1.48	2.19
Satisfied with pay at first job	JOBS09H = 1	60.98	2.42	1.50	1,060	1.62	2.61
Employer offers medical insurance	JBEN09B = 1	77.49	1.88	1.28	1,060	1.47	2.15
Consider current job start of career	JOBCAR09 = 1	49.47	2.25	1.50	1,110	1.50	2.26
Currently looking for job, for unemployed	UNEMPL09 = 1	73.86	3.70	2.23	390	1.66	2.75
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	34.80	1.94	1.25	1,460	1.56	2.42
Receiving unemployment compensation	UNEMCP09 = 1	26.64	3.80	2.60	290	1.46	2.14
Has a disability	DISABL09 = 1	13.23	1.06	0.74	2,110	1.44	2.09
Single, never married	SMAR09 = 1	60.27	1.67	1.06	2,110	1.57	2.45
Has any dependent children	DEPANY09 = 1	44.78	1.87	1.08	2,110	1.73	2.98
Received any untaxed benefits in 2008	UNTAX09 = 1	9.20	1.00	0.63	2,110	1.59	2.53
Has any credit cards in 2009	CRDANY09 = 1	62.94	1.43	1.05	2,110	1.36	1.86
Payoff credit card balance	CRDPAY09 = 1	38.36	1.87	1.33	1,340	1.41	1.99
Community service/volunteer work in last year	COMSRV09 = 1	26.38	1.40	0.96	2,110	1.46	2.13
Ever voted	VOTEVE09 = 1	84.46	1.11	0.83	1,920	1.34	1.80

See notes at end of table.

Table L-12. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for Hispanic or Latino students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.56	2.49
Minimum	†	†	†	†	†	1.20	1.43
25th percentile	†	†	†	†	†	1.45	2.10
Median	†	†	†	†	†	1.48	2.20
75th percentile	†	†	†	†	†	1.64	2.68
Maximum	†	†	†	†	†	2.20	4.82

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-13. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for Asian students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	22.46	2.76	1.50	770	1.84	3.37
Attained degree at any institution	PRATT6Y = 1, 2	57.93	2.92	1.78	770	1.64	2.70
No degree from any institution	PRATT6Y = 3, 4	42.07	2.92	1.78	770	1.64	2.70
Earned a bachelor's degree at first institution	PROUTFI6 = 1	32.17	2.40	1.68	770	1.43	2.03
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	10.07	1.71	1.08	770	1.58	2.49
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	45.71	2.84	1.79	770	1.59	2.52
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	12.22	1.58	1.18	770	1.34	1.80
No degree from last institution attended	PRLVL6Y = 4, 5, 6	42.07	2.92	1.78	770	1.64	2.70
Transferred at least once	TFNUM6Y > 0	40.24	3.04	1.76	770	1.73	2.98
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	41.81	2.54	1.77	770	1.43	2.05
Currently repaying education loans (for students with loans)	RPYSL09 = 0	48.91	4.70	2.74	330	1.72	2.95
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	29.69	2.86	2.29	400	1.25	1.56
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	88.56	2.32	1.47	470	1.58	2.49
Currently employed	JOBST09 = 1	75.58	2.84	1.91	510	1.49	2.21
Hold license or certification for job	JOBLCH09 = 1	81.63	6.26	4.41	80	1.42	2.01
Self-employed	JOBEMP09 = 6	6.30	2.02	1.23	390	1.64	2.70
Current job related to coursework	JOBRCR09 = 1	52.24	4.53	3.65	190	1.24	1.53
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	44.06	3.30	2.51	390	1.31	1.73
Satisfied with pay at first job	JOBS09H = 1	54.84	3.27	2.58	370	1.27	1.61
Employer offers medical insurance	JBEN09B = 1	76.42	3.25	2.20	370	1.48	2.19
Consider current job start of career	JOBCAR09 = 1	60.63	3.29	2.47	390	1.33	1.77
Currently looking for job, for unemployed	UNEMPL09 = 1	73.60	5.15	4.11	120	1.25	1.57
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	31.05	2.63	2.09	490	1.26	1.59
Receiving unemployment compensation	UNEMCP09 = 1	17.63	5.08	4.29	80	1.18	1.40
Has a disability	DISABL09 = 1	9.31	1.57	1.05	770	1.51	2.27
Single, never married	SMAR09 = 1	82.67	2.07	1.36	770	1.52	2.32
Has any dependent children	DEPANY09 = 1	13.28	1.82	1.22	770	1.49	2.23
Received any untaxed benefits in 2008	UNTAX09 = 1	2.99	0.91	0.61	770	1.49	2.23
Has any credit cards in 2009	CRDANY09 = 1	82.40	2.18	1.37	770	1.59	2.54
Payoff credit card balance	CRDPAY09 = 1	61.74	2.92	1.92	640	1.52	2.30
Community service/volunteer work in last year	COMSRV09 = 1	36.07	2.41	1.73	770	1.40	1.95
Ever voted	VOTEVE09 = 1	78.41	1.94	1.68	600	1.15	1.33

See notes at end of table.

Table L-13. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for Asian students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.47	2.18
Minimum	†	†	†	†	†	1.15	1.33
25th percentile	†	†	†	†	†	1.32	1.75
Median	†	†	†	†	†	1.49	2.22
75th percentile	†	†	†	†	†	1.59	2.53
Maximum	†	†	†	†	†	1.84	3.37

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-14. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students of other race/ethnicities including more than one race: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	25.28	2.40	1.48	860	1.62	2.62
Attained degree at any institution	PRATT6Y = 1, 2	44.56	2.57	1.69	860	1.52	2.30
No degree from any institution	PRATT6Y = 3, 4	55.44	2.57	1.69	860	1.52	2.30
Earned a bachelor's degree at first institution	PROUTFI6 = 1	20.59	2.31	1.38	860	1.67	2.80
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	13.94	1.72	1.18	860	1.46	2.12
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	27.41	2.43	1.52	860	1.60	2.56
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	17.15	2.04	1.28	860	1.59	2.52
No degree from last institution attended	PRLVL6Y = 4, 5, 6	55.44	2.57	1.69	860	1.52	2.30
Transferred at least once	TFNUM6Y > 0	34.30	2.77	1.62	860	1.71	2.93
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	52.62	2.30	1.70	860	1.35	1.83
Currently repaying education loans (for students with loans)	RPYSL09 = 0	53.23	4.02	2.34	460	1.72	2.95
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	21.01	3.17	2.46	270	1.29	1.66
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	80.23	2.99	1.83	480	1.64	2.68
Currently employed	JOBST09 = 1	74.56	2.73	1.76	610	1.55	2.40
Hold license or certification for job	JOBLCH09 = 1	89.55	3.74	3.00	100	1.25	1.56
Self-employed	JOBEMP09 = 6	5.15	1.79	1.03	460	1.74	3.01
Current job related to coursework	JOBRCR09 = 1	32.85	4.11	2.83	280	1.45	2.10
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	24.04	2.60	1.99	460	1.30	1.70
Satisfied with pay at first job	JOBS09H = 1	53.46	3.37	2.38	440	1.42	2.01
Employer offers medical insurance	JBEN09B = 1	75.62	2.91	2.05	440	1.42	2.02
Consider current job start of career	JOBCAR09 = 1	47.41	4.57	2.33	460	1.96	3.85
Currently looking for job, for unemployed	UNEMPL09 = 1	62.35	5.80	3.92	150	1.48	2.19
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	29.18	2.69	1.87	590	1.43	2.06
Receiving unemployment compensation	UNEMCP09 = 1	21.64	5.29	4.06	100	1.30	1.70
Has a disability	DISABL09 = 1	17.77	1.94	1.30	860	1.49	2.22
Single, never married	SMAR09 = 1	66.84	2.66	1.60	860	1.66	2.75
Has any dependent children	DEPANY09 = 1	33.86	2.84	1.61	860	1.76	3.10
Received any untaxed benefits in 2008	UNTAX09 = 1	10.71	1.70	1.05	860	1.61	2.60
Has any credit cards in 2009	CRDANY09 = 1	57.41	2.76	1.69	860	1.64	2.69
Payoff credit card balance	CRDPAY09 = 1	44.59	3.08	2.18	520	1.42	2.01
Community service/volunteer work in last year	COMSRV09 = 1	34.35	2.48	1.62	860	1.53	2.34
Ever voted	VOTEVE09 = 1	86.27	1.81	1.20	830	1.51	2.29

See notes at end of table.

Table L-14. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students of other race/ethnicities including more than one race: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.53	2.38
Minimum	†	†	†	†	†	1.25	1.56
25th percentile	†	†	†	†	†	1.43	2.04
Median	†	†	†	†	†	1.52	2.30
75th percentile	†	†	†	†	†	1.64	2.68
Maximum	†	†	†	†	†	1.96	3.85

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-15. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for male, White students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	17.75	1.04	0.57	4,550	1.83	3.34
Attained degree at any institution	PRATT6Y = 1, 2	50.62	1.05	0.74	4,550	1.42	2.02
No degree from any institution	PRATT6Y = 3, 4	49.38	1.05	0.74	4,550	1.42	2.02
Earned a bachelor's degree at first institution	PROUTFI6 = 1	25.74	1.03	0.65	4,550	1.59	2.52
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	13.41	0.94	0.51	4,550	1.85	3.43
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	35.00	1.10	0.71	4,550	1.56	2.44
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	15.62	1.13	0.54	4,550	2.10	4.41
No degree from last institution attended	PRLVL6Y = 4, 5, 6	49.38	1.05	0.74	4,550	1.42	2.02
Transferred at least once	TFNUM6Y > 0	31.33	1.45	0.69	4,550	2.11	4.46
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	49.04	1.26	0.74	4,550	1.70	2.90
Currently repaying education loans (for students with loans)	RPYSL09 = 0	61.64	1.89	1.01	2,310	1.87	3.50
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	22.83	1.33	0.95	1,970	1.41	1.98
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	77.99	1.51	0.81	2,620	1.86	3.46
Currently employed	JOBST09 = 1	83.20	1.22	0.65	3,310	1.88	3.53
Hold license or certification for job	JOBLC09 = 1	89.37	2.51	1.39	490	1.81	3.27
Self-employed	JOBEMP09 = 6	5.24	0.75	0.42	2,800	1.78	3.18
Current job related to coursework	JOBRCR09 = 1	34.96	2.36	1.25	1,460	1.89	3.59
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	30.07	1.18	0.87	2,800	1.37	1.86
Satisfied with pay at first job	JOBS09H = 1	62.84	1.32	0.94	2,670	1.41	2.00
Employer offers medical insurance	JBEN09B = 1	78.80	1.35	0.79	2,670	1.70	2.90
Consider current job start of career	JOBCAR09 = 1	55.98	1.50	0.94	2,800	1.60	2.56
Currently looking for job, for unemployed	UNEMPL09 = 1	76.30	2.83	1.87	520	1.51	2.29
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	23.49	1.24	0.74	3,260	1.67	2.79
Receiving unemployment compensation	UNEMCP09 = 1	31.97	3.70	2.32	400	1.59	2.54
Has a disability	DISABL09 = 1	14.37	0.80	0.52	4,550	1.54	2.38
Single, never married	SMAR09 = 1	70.55	1.40	0.68	4,550	2.08	4.32
Has any dependent children	DEPANY09 = 1	21.43	1.43	0.61	4,550	2.36	5.56
Received any untaxed benefits in 2008	UNTAX09 = 1	4.63	0.49	0.31	4,550	1.58	2.49
Has any credit cards in 2009	CRDANY09 = 1	67.83	1.27	0.69	4,550	1.84	3.38
Payoff credit card balance	CRDPAY09 = 1	55.17	1.90	0.89	3,130	2.14	4.59
Community service/volunteer work in last year	COMSRV09 = 1	33.20	1.02	0.70	4,550	1.46	2.12
Ever voted	VOTEVE09 = 1	89.29	0.77	0.46	4,510	1.67	2.78

See notes at end of table.

Table L-15. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for male, White students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.72	3.02
Minimum	†	†	†	†	†	1.37	1.86
25th percentile	†	†	†	†	†	1.53	2.33
Median	†	†	†	†	†	1.69	2.84
75th percentile	†	†	†	†	†	1.87	3.48
Maximum	†	†	†	†	†	2.36	5.56

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-16. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for male, Black or African American students 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	27.10	2.72	1.57	800	1.73	3.00
Attained degree at any institution	PRATT6Y = 1, 2	35.27	2.73	1.69	800	1.62	2.63
No degree from any institution	PRATT6Y = 3, 4	64.73	2.73	1.69	800	1.62	2.63
Earned a bachelor's degree at first institution	PROUTFI6 = 1	11.97	1.43	1.14	800	1.25	1.56
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	15.13	2.60	1.26	800	2.06	4.24
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	16.56	1.67	1.31	800	1.27	1.62
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	18.71	2.56	1.38	800	1.86	3.47
No degree from last institution attended	PRLVL6Y = 4, 5, 6	64.73	2.73	1.69	800	1.62	2.63
Transferred at least once	TFNUM6Y > 0	35.39	2.60	1.69	800	1.54	2.38
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	62.91	3.27	1.70	800	1.92	3.69
Currently repaying education loans (for students with loans)	RPYSL09 = 0	46.04	2.93	2.16	530	1.36	1.84
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	17.38	3.25	2.95	170	1.10	1.22
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	70.72	3.90	2.22	420	1.75	3.08
Currently employed	JOBST09 = 1	72.88	2.65	1.86	570	1.42	2.02
Hold license or certification for job	JOBLC09 = 1	90.91	5.43	2.92	100	1.86	3.47
Self-employed	JOBEMP09 = 6	5.38	1.46	1.10	420	1.32	1.75
Current job related to coursework	JOBRCR09 = 1	29.40	4.00	2.61	310	1.53	2.36
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	14.84	2.65	1.74	420	1.53	2.33
Satisfied with pay at first job	JOBS09H = 1	54.17	4.01	2.51	400	1.60	2.56
Employer offers medical insurance	JBEN09B = 1	78.71	3.23	2.06	400	1.57	2.46
Consider current job start of career	JOBCAR09 = 1	45.15	4.12	2.43	420	1.69	2.87
Currently looking for job, for unemployed	UNEMPL09 = 1	79.76	4.38	3.28	150	1.34	1.78
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	44.63	3.18	2.10	560	1.51	2.28
Receiving unemployment compensation	UNEMCP09 = 1	32.81	6.19	4.34	120	1.43	2.03
Has a disability	DISABL09 = 1	8.98	1.54	1.01	800	1.53	2.34
Single, never married	SMAR09 = 1	68.29	3.19	1.64	800	1.94	3.78
Has any dependent children	DEPANY09 = 1	40.53	3.08	1.73	800	1.78	3.17
Received any untaxed benefits in 2008	UNTAX09 = 1	10.31	1.64	1.07	800	1.53	2.34
Has any credit cards in 2009	CRDANY09 = 1	36.28	2.64	1.70	800	1.56	2.43
Payoff credit card balance	CRDPAY09 = 1	37.78	4.26	2.74	310	1.56	2.42
Community service/volunteer work in last year	COMSRV09 = 1	33.09	2.92	1.66	800	1.76	3.09
Ever voted	VOTEVE09 = 1	91.61	1.45	1.01	750	1.43	2.06

See notes at end of table.

Table L-16. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for male, Black or African American students 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.58	2.55
Minimum	†	†	†	†	†	1.10	1.22
25th percentile	†	†	†	†	†	1.43	2.05
Median	†	†	†	†	†	1.56	2.42
75th percentile	†	†	†	†	†	1.74	3.04
Maximum	†	†	†	†	†	2.06	4.24

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-17. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for male, Hispanic or Latino students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	23.67	2.13	1.50	800	1.42	2.02
Attained degree at any institution	PRATT6Y = 1, 2	37.52	2.59	1.71	800	1.52	2.30
No degree from any institution	PRATT6Y = 3, 4	62.48	2.59	1.71	800	1.52	2.30
Earned a bachelor's degree at first institution	PROUTFI6 = 1	11.34	1.40	1.12	800	1.26	1.58
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	18.61	2.36	1.37	800	1.72	2.95
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	16.33	1.66	1.30	800	1.27	1.62
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	21.19	2.59	1.44	800	1.80	3.22
No degree from last institution attended	PRLVL6Y = 4, 5, 6	62.48	2.59	1.71	800	1.52	2.30
Transferred at least once	TFNUM6Y > 0	32.42	2.67	1.65	800	1.61	2.61
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	45.64	3.02	1.76	800	1.72	2.95
Currently repaying education loans (for students with loans)	RPYSL09 = 0	54.49	3.38	2.47	410	1.37	1.87
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	23.04	4.40	3.15	180	1.40	1.95
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	73.28	3.59	2.15	420	1.67	2.79
Currently employed	JOBST09 = 1	75.46	2.71	1.82	560	1.49	2.21
Hold license or certification for job	JOBLC09 = 1	87.26	5.41	3.62	90	1.50	2.24
Self-employed	JOBEMP09 = 6	7.24	1.76	1.27	420	1.39	1.93
Current job related to coursework	JOBRCR09 = 1	52.57	4.45	2.97	280	1.50	2.24
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	20.16	2.89	1.96	420	1.48	2.18
Satisfied with pay at first job	JOBS09H = 1	63.98	3.42	2.43	390	1.40	1.97
Employer offers medical insurance	JBEN09B = 1	80.62	2.93	2.00	390	1.46	2.13
Consider current job start of career	JOBCAR09 = 1	54.04	3.76	2.43	420	1.54	2.38
Currently looking for job, for unemployed	UNEMPL09 = 1	85.44	4.20	3.00	140	1.40	1.96
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	34.10	3.16	2.04	540	1.55	2.40
Receiving unemployment compensation	UNEMCP09 = 1	25.81	5.70	4.01	120	1.42	2.02
Has a disability	DISABL09 = 1	16.01	1.80	1.29	800	1.39	1.94
Single, never married	SMAR09 = 1	66.38	2.85	1.67	800	1.71	2.93
Has any dependent children	DEPANY09 = 1	34.68	2.56	1.68	800	1.52	2.32
Received any untaxed benefits in 2008	UNTAX09 = 1	3.72	1.13	0.67	800	1.69	2.87
Has any credit cards in 2009	CRDANY09 = 1	60.92	2.66	1.72	800	1.54	2.38
Payoff credit card balance	CRDPAY09 = 1	42.10	3.36	2.19	510	1.53	2.35
Community service/volunteer work in last year	COMSRV09 = 1	29.31	2.57	1.61	800	1.60	2.57
Ever voted	VOTEVE09 = 1	83.30	1.90	1.38	730	1.37	1.88

See notes at end of table.

Table L-17. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for male, Hispanic or Latino students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.51	2.29
Minimum	†	†	†	†	†	1.26	1.58
25th percentile	†	†	†	†	†	1.40	1.96
Median	†	†	†	†	†	1.51	2.27
75th percentile	†	†	†	†	†	1.58	2.48
Maximum	†	†	†	†	†	1.80	3.22

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-18. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for male, Asian students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	30.60	4.66	2.43	360	1.92	3.68
Attained degree at any institution	PRATT6Y = 1, 2	48.25	4.52	2.63	360	1.72	2.96
No degree from any institution	PRATT6Y = 3, 4	51.75	4.52	2.63	360	1.72	2.96
Earned a bachelor's degree at first institution	PROUTFI6 = 1	24.34	3.07	2.26	360	1.36	1.85
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	8.58	2.24	1.47	360	1.52	2.31
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	38.72	3.83	2.56	360	1.50	2.24
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	9.53	2.22	1.55	360	1.44	2.07
No degree from last institution attended	PRLVL6Y = 4, 5, 6	51.75	4.52	2.63	360	1.72	2.96
Transferred at least once	TFNUM6Y > 0	47.32	4.62	2.63	360	1.76	3.09
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	40.86	3.70	2.59	360	1.43	2.04
Currently repaying education loans (for students with loans)	RPYSL09 = 0	43.72	6.86	3.95	160	1.74	3.02
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	31.68	4.18	3.55	170	1.18	1.39
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	89.53	3.11	2.06	220	1.51	2.28
Currently employed	JOBST09 = 1	74.54	3.90	2.92	220	1.33	1.78
Hold license or certification for job	JOBLCH09 = 1	77.29	9.94	7.41	30	1.34	1.80
Self-employed	JOBEMP09 = 6	9.46	3.81	2.23	170	1.71	2.92
Current job related to coursework	JOBRCR09 = 1	59.85	6.78	5.17	90	1.31	1.72
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	37.02	4.62	3.68	170	1.26	1.58
Satisfied with pay at first job	JOBS09H = 1	55.06	5.25	3.94	160	1.33	1.77
Employer offers medical insurance	JBEN09B = 1	81.01	3.72	3.11	160	1.20	1.43
Consider current job start of career	JOBCAR09 = 1	66.36	4.74	3.60	170	1.31	1.73
Currently looking for job, for unemployed	UNEMPL09 = 1	73.18	7.21	6.27	50	1.15	1.32
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	35.66	4.58	3.27	220	1.40	1.96
Receiving unemployment compensation	UNEMCP09 = 1	23.85	8.69	7.31	30	1.19	1.41
Has a disability	DISABL09 = 1	11.49	2.52	1.68	360	1.50	2.26
Single, never married	SMAR09 = 1	89.14	2.41	1.64	360	1.47	2.17
Has any dependent children	DEPANY09 = 1	9.67	2.18	1.56	360	1.40	1.96
Received any untaxed benefits in 2008	UNTAX09 = 1	1.08	0.88	0.54	360	1.62	2.64
Has any credit cards in 2009	CRDANY09 = 1	83.52	3.20	1.95	360	1.64	2.69
Payoff credit card balance	CRDPAY09 = 1	59.99	3.87	2.82	300	1.37	1.89
Community service/volunteer work in last year	COMSRV09 = 1	30.96	3.58	2.43	360	1.47	2.16
Ever voted	VOTEVE09 = 1	77.91	3.19	2.50	280	1.27	1.62

See notes at end of table.

Table L-18. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for male, Asian students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.46	2.18
Minimum	†	†	†	†	†	1.15	1.32
25th percentile	†	†	†	†	†	1.32	1.75
Median	†	†	†	†	†	1.43	2.06
75th percentile	†	†	†	†	†	1.63	2.66
Maximum	†	†	†	†	†	1.92	3.68

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-19. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students who are male, other race/ethnicities including more than one race: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	21.74	3.51	2.19	360	1.60	2.56
Attained degree at any institution	PRATT6Y = 1, 2	42.48	3.59	2.62	360	1.37	1.87
No degree from any institution	PRATT6Y = 3, 4	57.52	3.59	2.62	360	1.37	1.87
Earned a bachelor's degree at first institution	PROUTFI6 = 1	18.80	2.47	2.07	360	1.19	1.42
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	12.17	2.40	1.73	360	1.38	1.91
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	26.69	3.08	2.35	360	1.31	1.72
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	15.79	2.63	1.94	360	1.36	1.85
No degree from last institution attended	PRLVL6Y = 4, 5, 6	57.52	3.59	2.62	360	1.37	1.87
Transferred at least once	TFNUM6Y > 0	35.15	3.65	2.53	360	1.44	2.08
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	46.55	4.02	2.65	360	1.52	2.30
Currently repaying education loans (for students with loans)	RPYSL09 = 0	49.97	5.49	3.79	170	1.45	2.10
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	12.90	3.53	3.09	120	1.14	1.31
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	79.08	4.41	3.00	180	1.47	2.16
Currently employed	JOBST09 = 1	76.84	3.80	2.55	270	1.49	2.22
Hold license or certification for job	JOBLCH09 = 1	85.39	6.37	5.66	40	1.13	1.27
Self-employed	JOBEMP09 = 6	2.51	1.23	1.07	210	1.15	1.31
Current job related to coursework	JOBRCR09 = 1	48.22	6.59	4.45	130	1.48	2.19
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	23.14	3.13	2.89	210	1.08	1.17
Satisfied with pay at first job	JOBS09H = 1	56.23	5.08	3.46	210	1.47	2.16
Employer offers medical insurance	JBEN09B = 1	75.87	4.16	2.98	210	1.40	1.95
Consider current job start of career	JOBCAR09 = 1	47.23	5.33	3.42	210	1.56	2.43
Currently looking for job, for unemployed	UNEMPL09 = 1	62.29	7.99	6.26	60	1.28	1.63
Ever employed for more than 3 months since undergraduate graduation	UNEMP09= 1	29.34	3.63	2.80	270	1.30	1.68
Receiving unemployment compensation	UNEMCP09= 1	26.40	9.44	7.15	40	1.32	1.74
Has a disability	DISABL09 = 1	15.94	2.41	1.94	360	1.24	1.54
Single, never married	SMAR09 = 1	72.74	3.50	2.36	360	1.48	2.19
Has any dependent children	DEPANY09 = 1	29.91	3.58	2.43	360	1.47	2.17
Received any untaxed benefits in 2008	UNTAX09 = 1	8.37	2.02	1.47	360	1.37	1.89
Has any credit cards in 2009	CRDANY09 = 1	58.69	3.99	2.61	360	1.53	2.33
Payoff credit card balance	CRDPAY09 = 1	53.06	5.03	3.44	210	1.47	2.15
Community service/volunteer work in last year	COMSRV09 = 1	31.07	3.63	2.46	360	1.48	2.18
Ever voted	VOTEVE09 = 1	86.43	2.40	1.85	340	1.30	1.69

See notes at end of table.

Table L-19. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students who are male, other race/ethnicities including more than one race: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.37	1.90
Minimum	†	†	†	†	†	1.08	1.17
25th percentile	†	†	†	†	†	1.30	1.69
Median	†	†	†	†	†	1.38	1.90
75th percentile	†	†	†	†	†	1.47	2.17
Maximum	†	†	†	†	†	1.60	2.56

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-20. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for female, White students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	17.42	0.76	0.48	6,190	1.58	2.50
Attained degree at any institution	PRATT6Y = 1, 2	56.60	1.02	0.63	6,190	1.62	2.61
No degree from any institution	PRATT6Y = 3, 4	43.40	1.02	0.63	6,190	1.62	2.61
Earned a bachelor's degree at first institution	PROUTFI6 = 1	27.38	0.97	0.57	6,190	1.71	2.93
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	17.41	0.69	0.48	6,190	1.43	2.03
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	37.14	1.01	0.61	6,190	1.64	2.69
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	19.47	0.76	0.50	6,190	1.52	2.30
No degree from last institution attended	PRLVL6Y = 4, 5, 6	43.40	1.02	0.63	6,190	1.62	2.61
Transferred at least once	TFNUM6Y > 0	30.11	0.79	0.58	6,190	1.36	1.86
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	54.77	1.19	0.63	6,190	1.88	3.52
Currently repaying education loans (for students with loans)	RPYSL09 = 0	56.98	1.33	0.85	3,420	1.57	2.46
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	31.30	1.21	0.89	2,720	1.37	1.87
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	78.80	1.11	0.66	3,800	1.68	2.82
Currently employed	JOBST09 = 1	82.46	0.89	0.58	4,370	1.54	2.37
Hold license or certification for job	JOBLCH09 = 1	92.87	1.52	0.90	820	1.69	2.84
Self-employed	JOBEMP09 = 6	3.28	0.50	0.30	3,610	1.70	2.88
Current job related to coursework	JOBRCR09 = 1	39.84	1.83	1.18	1,730	1.56	2.42
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	35.89	1.18	0.80	3,610	1.48	2.19
Satisfied with pay at first job	JOBS09H = 1	57.98	1.30	0.84	3,480	1.55	2.40
Employer offers medical insurance	JBEN09B = 1	78.17	1.02	0.70	3,480	1.46	2.13
Consider current job start of career	JOBCAR09 = 1	54.95	1.19	0.83	3,610	1.43	2.06
Currently looking for job, for unemployed	UNEMPL09 = 1	56.32	2.90	1.80	760	1.61	2.59
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	20.23	1.07	0.61	4,320	1.76	3.10
Receiving unemployment compensation	UNEMCP09 = 1	24.80	3.37	2.09	430	1.61	2.60
Has a disability	DISABL09 = 1	15.56	0.75	0.46	6,190	1.63	2.65
Single, never married	SMAR09 = 1	57.62	1.05	0.63	6,190	1.68	2.81
Has any dependent children	DEPANY09 = 1	33.64	1.02	0.60	6,190	1.70	2.88
Received any untaxed benefits in 2008	UNTAX09 = 1	8.57	0.62	0.36	6,190	1.74	3.02
Has any credit cards in 2009	CRDANY09 = 1	71.49	0.85	0.57	6,190	1.49	2.22
Payoff credit card balance	CRDPAY09 = 1	48.14	1.15	0.75	4,490	1.55	2.39
Community service/volunteer work in last year	COMSRV09 = 1	36.57	0.86	0.61	6,190	1.40	1.96
Ever voted	VOTEVE09 = 1	90.13	0.50	0.38	6,130	1.32	1.74

See notes at end of table.

Table L-20. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for female, White students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.58	2.50
Minimum	†	†	†	†	†	1.32	1.74
25th percentile	†	†	†	†	†	1.48	2.20
Median	†	†	†	†	†	1.60	2.55
75th percentile	†	†	†	†	†	1.68	2.82
Maximum	†	†	†	†	†	1.88	3.52

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-21. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for female, Black or African American students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	26.01	1.65	1.17	1,400	1.40	1.97
Attained degree at any institution	PRATT6Y = 1, 2	37.74	2.16	1.30	1,400	1.67	2.77
No degree from any institution	PRATT6Y = 3, 4	62.26	2.16	1.30	1,400	1.67	2.77
Earned a bachelor's degree at first institution	PROUTFI6 = 1	11.92	1.29	0.87	1,400	1.49	2.21
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	18.16	1.78	1.03	1,400	1.73	2.98
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	16.81	1.55	1.00	1,400	1.55	2.41
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	20.93	1.83	1.09	1,400	1.68	2.83
No degree from last institution attended	PRLVL6Y = 4, 5, 6	62.26	2.16	1.30	1,400	1.67	2.77
Transferred at least once	TFNUM6Y > 0	32.81	1.77	1.26	1,400	1.41	1.97
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	67.64	2.10	1.25	1,400	1.68	2.82
Currently repaying education loans (for students with loans)	RPYSL09 = 0	41.75	2.39	1.59	970	1.51	2.28
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	36.67	4.11	2.81	300	1.47	2.15
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	66.47	2.46	1.68	790	1.46	2.14
Currently employed	JOBST09 = 1	72.64	2.26	1.49	900	1.52	2.31
Hold license or certification for job	JOBLCH09 = 1	89.86	3.33	2.48	150	1.34	1.80
Self-employed	JOBEMP09 = 6	5.13	1.34	0.87	650	1.55	2.40
Current job related to coursework	JOBRCR09 = 1	47.02	3.62	2.37	440	1.53	2.33
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	24.67	2.68	1.69	650	1.58	2.50
Satisfied with pay at first job	JOBS09H = 1	54.90	3.01	2.00	620	1.51	2.27
Employer offers medical insurance	JBEN09B = 1	83.07	2.23	1.51	620	1.48	2.19
Consider current job start of career	JOBCAR09 = 1	49.35	2.98	1.96	650	1.52	2.31
Currently looking for job, for unemployed	UNEMPL09 = 1	61.14	4.52	3.10	250	1.46	2.12
Ever employed for more than 3 months since undergraduate graduation	UNEMP09= 1	38.68	2.72	1.65	880	1.65	2.73
Receiving unemployment compensation	UNEMCP09= 1	21.97	6.16	3.19	170	1.94	3.74
Has a disability	DISABL09 = 1	13.28	1.45	0.91	1,400	1.59	2.54
Single, never married	SMAR09 = 1	67.76	1.90	1.25	1,400	1.52	2.31
Has any dependent children	DEPANY09 = 1	58.42	2.09	1.32	1,400	1.58	2.50
Received any untaxed benefits in 2008	UNTAX09 = 1	27.71	2.16	1.20	1,400	1.81	3.26
Has any credit cards in 2009	CRDANY09 = 1	36.72	1.89	1.29	1,400	1.46	2.14
Payoff credit card balance	CRDPAY09 = 1	27.50	3.19	1.90	550	1.68	2.82
Community service/volunteer work in last year	COMSRV09 = 1	28.97	1.64	1.21	1,400	1.35	1.82
Ever voted	VOTEVE09 = 1	93.23	1.12	0.69	1,330	1.63	2.66

See notes at end of table.

Table L-21. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for female, Black or African American students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.56	2.46
Minimum	†	†	†	†	†	1.34	1.80
25th percentile	†	†	†	†	†	1.47	2.17
Median	†	†	†	†	†	1.54	2.36
75th percentile	†	†	†	†	†	1.67	2.77
Maximum	†	†	†	†	†	1.94	3.74

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-22. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for female, Hispanic or Latino students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	23.05	1.65	1.16	1,310	1.42	2.01
Attained degree at any institution	PRATT6Y = 1, 2	42.95	2.51	1.37	1,310	1.83	3.36
No degree from any institution	PRATT6Y = 3, 4	57.05	2.51	1.37	1,310	1.83	3.36
Earned a bachelor's degree at first institution	PROUTFI6 = 1	11.63	1.08	0.89	1,310	1.22	1.50
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	24.11	2.41	1.18	1,310	2.03	4.14
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	17.15	1.33	1.04	1,310	1.27	1.62
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	25.81	2.36	1.21	1,310	1.95	3.80
No degree from last institution attended	PRLVL6Y = 4, 5, 6	57.05	2.51	1.37	1,310	1.83	3.36
Transferred at least once	TFNUM6Y > 0	28.74	1.65	1.25	1,310	1.32	1.75
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	50.27	2.19	1.38	1,310	1.58	2.51
Currently repaying education loans (for students with loans)	RPYSL09 = 0	51.56	2.83	1.90	690	1.49	2.21
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	29.06	3.91	2.63	300	1.49	2.22
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	71.70	3.15	1.73	680	1.82	3.32
Currently employed	JOBST09 = 1	74.47	2.14	1.42	940	1.51	2.28
Hold license or certification for job	JOBLCH09 = 1	89.54	3.53	2.45	160	1.44	2.08
Self-employed	JOBEMP09 = 6	1.90	0.66	0.52	690	1.28	1.63
Current job related to coursework	JOBRCR09 = 1	40.96	3.27	2.23	490	1.47	2.15
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	20.58	2.18	1.54	690	1.42	2.01
Satisfied with pay at first job	JOBS09H = 1	59.13	3.05	1.90	670	1.61	2.59
Employer offers medical insurance	JBEN09B = 1	75.55	2.51	1.66	670	1.51	2.29
Consider current job start of career	JOBCAR09 = 1	46.48	2.77	1.89	690	1.46	2.13
Currently looking for job, for unemployed	UNEMPL09 = 1	66.66	5.45	2.98	250	1.83	3.34
Ever employed for more than 3 months since undergraduate graduation	UNEMP09= 1	35.26	2.38	1.58	920	1.51	2.28
Receiving unemployment compensation	UNEMCP09= 1	27.30	4.82	3.42	170	1.41	1.99
Has a disability	DISABL09 = 1	11.40	1.38	0.88	1,310	1.57	2.47
Single, never married	SMAR09 = 1	56.27	2.06	1.37	1,310	1.50	2.25
Has any dependent children	DEPANY09 = 1	51.40	2.28	1.38	1,310	1.65	2.72
Received any untaxed benefits in 2008	UNTAX09 = 1	12.80	1.34	0.92	1,310	1.45	2.11
Has any credit cards in 2009	CRDANY09 = 1	64.27	2.04	1.32	1,310	1.54	2.36
Payoff credit card balance	CRDPAY09 = 1	36.03	2.12	1.66	840	1.28	1.63
Community service/volunteer work in last year	COMSRV09 = 1	24.46	1.55	1.19	1,310	1.30	1.70
Ever voted	VOTEVE09 = 1	85.22	1.50	1.03	1,190	1.46	2.12

See notes at end of table.

Table L-22. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for female, Hispanic or Latino students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.54	2.42
Minimum	†	†	†	†	†	1.22	1.50
25th percentile	†	†	†	†	†	1.42	2.01
Median	†	†	†	†	†	1.50	2.24
75th percentile	†	†	†	†	†	1.63	2.66
Maximum	†	†	†	†	†	2.03	4.14

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-23. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for female, Asian students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	14.07	2.33	1.71	410	1.36	1.85
Attained degree at any institution	PRATT6Y = 1, 2	67.88	3.42	2.30	410	1.48	2.20
No degree from any institution	PRATT6Y = 3, 4	32.12	3.42	2.30	410	1.48	2.20
Earned a bachelor's degree at first institution	PROUTFI6 = 1	40.23	3.27	2.42	410	1.35	1.83
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	11.61	2.07	1.58	410	1.31	1.72
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	52.90	3.60	2.46	410	1.46	2.15
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	14.98	2.58	1.76	410	1.47	2.15
No degree from last institution attended	PRLVL6Y = 4, 5, 6	32.12	3.42	2.30	410	1.48	2.20
Transferred at least once	TFNUM6Y > 0	32.95	3.18	2.32	410	1.37	1.89
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	42.79	3.64	2.44	410	1.49	2.23
Currently repaying education loans (for students with loans)	RPYSL09 = 0	54.63	5.21	3.76	180	1.38	1.91
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	28.18	3.83	2.99	230	1.28	1.64
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	87.66	3.28	2.08	250	1.57	2.47
Currently employed	JOBST09 = 1	76.41	3.44	2.52	280	1.37	1.87
Hold license or certification for job	JOBLCH09 = 1	84.94	7.96	5.33	50	1.49	2.23
Self-employed	JOBEMP09 = 6	3.80	1.86	1.29	220	1.44	2.06
Current job related to coursework	JOBRCR09 = 1	44.87	6.56	5.05	100	1.30	1.69
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	49.62	4.36	3.38	220	1.29	1.67
Satisfied with pay at first job	JOBS09H = 1	54.67	3.99	3.40	210	1.17	1.37
Employer offers medical insurance	JBEN09B = 1	73.00	4.45	3.03	210	1.47	2.15
Consider current job start of career	JOBCAR09 = 1	56.10	4.17	3.35	220	1.24	1.55
Currently looking for job, for unemployed	UNEMPL09 = 1	73.97	6.95	5.44	70	1.28	1.63
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	27.39	3.35	2.68	280	1.25	1.56
Receiving unemployment compensation	UNEMCP09 = 1	12.26	6.69	4.89	50	1.37	1.87
Has a disability	DISABL09 = 1	7.08	1.56	1.26	410	1.23	1.52
Single, never married	SMAR09 = 1	76.02	3.13	2.10	410	1.49	2.21
Has any dependent children	DEPANY09 = 1	16.98	2.96	1.85	410	1.60	2.57
Received any untaxed benefits in 2008	UNTAX09 = 1	4.95	1.58	1.07	410	1.48	2.18
Has any credit cards in 2009	CRDANY09 = 1	81.25	2.66	1.92	410	1.38	1.91
Payoff credit card balance	CRDPAY09 = 1	63.58	4.36	2.63	340	1.66	2.76
Community service/volunteer work in last year	COMSRV09 = 1	41.32	3.15	2.43	410	1.30	1.69
Ever voted	VOTEVE09 = 1	78.92	2.86	2.26	330	1.27	1.60

See notes at end of table.

Table L-23. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for female, Asian students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.39	1.95
Minimum	†	†	†	†	†	1.17	1.37
25th percentile	†	†	†	†	†	1.30	1.68
Median	†	†	†	†	†	1.38	1.90
75th percentile	†	†	†	†	†	1.48	2.20
Maximum	†	†	†	†	†	1.66	2.76

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-24. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students who are female, other race/ethnicities including more than one race: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	27.84	3.15	1.99	510	1.58	2.50
Attained degree at any institution	PRATT6Y = 1, 2	46.06	3.56	2.22	510	1.61	2.58
No degree from any institution	PRATT6Y = 3, 4	53.94	3.56	2.22	510	1.61	2.58
Earned a bachelor's degree at first institution	PROUTFI6 = 1	21.88	3.35	1.84	510	1.82	3.32
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	15.22	2.37	1.60	510	1.49	2.21
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	27.92	3.36	1.99	510	1.68	2.84
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	18.14	2.73	1.71	510	1.60	2.54
No degree from last institution attended	PRLVL6Y = 4, 5, 6	53.94	3.56	2.22	510	1.61	2.58
Transferred at least once	TFNUM6Y > 0	33.69	3.66	2.10	510	1.74	3.04
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	57.02	2.98	2.20	510	1.35	1.83
Currently repaying education loans (for students with loans)	RPYSL09 = 0	55.18	5.31	2.96	280	1.79	3.21
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	26.61	5.14	3.54	160	1.45	2.11
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	81.08	4.02	2.29	290	1.75	3.07
Currently employed	JOBST09 = 1	72.68	3.67	2.42	340	1.52	2.30
Hold license or certification for job	JOBLCH09 = 1	92.50	4.41	3.27	70	1.35	1.82
Self-employed	JOBEMP09 = 6	7.45	3.52	1.67	250	2.10	4.42
Current job related to coursework	JOBRCR09 = 1	18.56	4.14	3.19	150	1.30	1.69
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	24.82	3.86	2.75	250	1.40	1.96
Satisfied with pay at first job	JOBS09H = 1	50.91	5.84	3.28	230	1.78	3.18
Employer offers medical insurance	JBEN09B = 1	75.38	4.29	2.82	230	1.52	2.32
Consider current job start of career	JOBCAR09 = 1	47.56	5.87	3.18	250	1.84	3.40
Currently looking for job, for unemployed	UNEMPL09 = 1	62.39	7.80	5.02	90	1.55	2.41
Ever employed for more than 3 months since undergraduate graduation	UNEMP09= 1	29.05	4.04	2.53	320	1.60	2.55
Receiving unemployment compensation	UNEMCP09= 1	18.32	6.48	4.80	70	1.35	1.83
Has a disability	DISABL09 = 1	19.09	2.80	1.75	510	1.60	2.56
Single, never married	SMAR09 = 1	62.57	3.54	2.15	510	1.64	2.71
Has any dependent children	DEPANY09 = 1	36.72	3.66	2.14	510	1.71	2.92
Received any untaxed benefits in 2008	UNTAX09 = 1	12.40	2.54	1.46	510	1.73	3.01
Has any credit cards in 2009	CRDANY09 = 1	56.49	3.40	2.20	510	1.54	2.39
Payoff credit card balance	CRDPAY09 = 1	38.23	3.79	2.76	310	1.37	1.89
Community service/volunteer work in last year	COMSRV09 = 1	36.72	3.47	2.14	510	1.62	2.63
Ever voted	VOTEVE09 = 1	86.16	2.70	1.57	490	1.73	2.98

See notes at end of table.

Table L-24. Design effects for selected variables using the BPS:04/09 study weight (WTA000) for students who are female, other race/ethnicities including more than one race: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.60	2.60
Minimum	†	†	†	†	†	1.30	1.69
25th percentile	†	†	†	†	†	1.50	2.25
Median	†	†	†	†	†	1.60	2.57
75th percentile	†	†	†	†	†	1.73	2.99
Maximum	†	†	†	†	†	2.10	4.42

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-25. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for all students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	20.32	0.57	0.32	16,120	1.81	3.28
Attained degree at any institution	PRATT6Y = 1, 2	49.53	0.68	0.39	16,120	1.73	3.00
No degree from any institution	PRATT6Y = 3, 4	50.47	0.68	0.39	16,120	1.73	3.00
Earned a bachelor's degree at first institution	PROUTFI6 = 1	22.31	0.46	0.33	16,120	1.41	2.00
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	16.53	0.48	0.29	16,120	1.63	2.66
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	30.73	0.56	0.36	16,120	1.54	2.38
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	18.80	0.46	0.31	16,120	1.49	2.23
No degree from last institution attended	PRLVL6Y = 4, 5, 6	50.47	0.68	0.39	16,120	1.73	3.00
Transferred at least once	TFNUM6Y > 0	31.70	0.66	0.37	16,120	1.79	3.20
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	53.57	0.56	0.39	16,120	1.43	2.06
Currently repaying education loans (for students with loans)	RPYSL09 = 0	54.81	0.82	0.53	8,940	1.56	2.43
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	27.57	0.75	0.57	6,250	1.33	1.77
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	76.75	0.73	0.43	9,490	1.67	2.80
Currently employed	JOBST09 = 1	79.56	0.71	0.38	11,310	1.86	3.46
Hold license or certification for job	JOBLCH09 = 1	90.19	1.18	0.68	1,900	1.73	2.98
Self-employed	JOBEMP09 = 6	4.16	0.36	0.21	9,080	1.71	2.94
Current job related to coursework	JOBRCR09 = 1	39.45	1.32	0.70	4,880	1.89	3.58
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	29.81	0.76	0.48	9,080	1.58	2.49
Satisfied with pay at first job	JOBS09H = 1	59.03	0.74	0.53	8,710	1.40	1.96
Employer offers medical insurance	JBEN09B = 1	78.73	0.72	0.44	8,710	1.65	2.71
Consider current job start of career	JOBCAR09 = 1	53.25	0.90	0.52	9,080	1.72	2.95
Currently looking for job, for unemployed	UNEMPL09 = 1	66.58	1.56	1.00	2,220	1.56	2.43
Ever employed for more than 3 months since undergraduate graduation	UNEMP09= 1	27.03	0.74	0.42	11,110	1.75	3.06
Receiving unemployment compensation	UNEMCP09= 1	25.83	1.59	1.13	1,510	1.41	2.00
Has a disability	DISABL09 = 1	14.05	0.41	0.27	16,120	1.49	2.23
Single, never married	SMAR09 = 1	64.75	0.67	0.38	16,120	1.77	3.15
Has any dependent children	DEPANY09 = 1	33.30	0.68	0.37	16,120	1.82	3.32
Received any untaxed benefits in 2008	UNTAX09 = 1	9.30	0.40	0.23	16,120	1.77	3.13
Has any credit cards in 2009	CRDANY09 = 1	63.94	0.72	0.38	16,120	1.89	3.59
Payoff credit card balance	CRDPAY09 = 1	47.74	0.84	0.48	10,690	1.74	3.04
Community service/volunteer work in last year	COMSRV09 = 1	33.29	0.53	0.37	16,120	1.43	2.04
Ever voted	VOTEVE09 = 1	88.83	0.41	0.25	15,550	1.62	2.62

See notes at end of table.

Table L-25. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for all students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.65	2.73
Minimum	†	†	†	†	†	1.33	1.77
25th percentile	†	†	†	†	†	1.52	2.31
Median	†	†	†	†	†	1.69	2.87
75th percentile	†	†	†	†	†	1.76	3.10
Maximum	†	†	†	†	†	1.89	3.59

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-26. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for Students whose base year institution was public, 2-year: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	27.03	1.13	0.61	5,340	1.86	3.45
Attained degree at any institution	PRATT6Y = 1, 2	34.44	0.95	0.65	5,340	1.47	2.15
No degree from any institution	PRATT6Y = 3, 4	65.56	0.95	0.65	5,340	1.47	2.15
Earned a bachelor's degree at first institution	PROUTFI6 = 1	#	†	†	5,340	†	†
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	21.33	0.90	0.56	5,340	1.60	2.56
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	11.57	0.68	0.44	5,340	1.55	2.41
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	22.87	0.86	0.57	5,340	1.50	2.25
No degree from last institution attended	PRLVL6Y = 4, 5, 6	65.56	0.95	0.65	5,340	1.47	2.15
Transferred at least once	TFNUM6Y > 0	39.88	1.26	0.67	5,340	1.87	3.51
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	36.56	1.03	0.66	5,340	1.57	2.46
Currently repaying education loans (for students with loans)	RPYSL09 = 0	45.98	1.74	1.04	2,290	1.67	2.78
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	21.75	2.03	1.54	720	1.32	1.74
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	63.96	1.39	0.92	2,750	1.52	2.32
Currently employed	JOBST09 = 1	78.45	1.29	0.67	3,720	1.92	3.68
Hold license or certification for job	JOBLCH09 = 1	90.29	2.22	1.17	650	1.91	3.63
Self-employed	JOBEMP09 = 6	4.21	0.52	0.37	2,920	1.39	1.93
Current job related to coursework	JOBRCR09 = 1	38.36	1.99	1.05	2,160	1.90	3.61
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	19.05	1.03	0.73	2,920	1.41	2.00
Satisfied with pay at first job	JOBS09H = 1	60.53	1.31	0.93	2,790	1.41	2.00
Employer offers medical insurance	JBEN09B = 1	76.66	1.35	0.80	2,790	1.69	2.87
Consider current job start of career	JOBCAR09 = 1	48.70	1.36	0.92	2,920	1.48	2.18
Currently looking for job, for unemployed	UNEMPL09 = 1	62.44	2.56	1.72	790	1.49	2.22
Ever employed for more than 3 months since undergraduate graduation	UNEMP09= 1	26.15	1.33	0.73	3,600	1.82	3.31
Receiving unemployment compensation	UNEMCP09= 1	28.74	2.59	2.02	500	1.28	1.65
Has a disability	DISABL09 = 1	15.42	0.79	0.49	5,340	1.59	2.52
Single, never married	SMAR09 = 1	57.31	1.12	0.68	5,340	1.66	2.74
Has any dependent children	DEPANY09 = 1	40.55	1.20	0.67	5,340	1.79	3.19
Received any untaxed benefits in 2008	UNTAX09 = 1	9.85	0.60	0.41	5,340	1.48	2.19
Has any credit cards in 2009	CRDANY09 = 1	61.68	1.28	0.67	5,340	1.92	3.69
Payoff credit card balance	CRDPAY09 = 1	40.64	1.47	0.86	3,240	1.71	2.91
Community service/volunteer work in last year	COMSRV09 = 1	29.49	0.94	0.62	5,340	1.51	2.27
Ever voted	VOTEVE09 = 1	87.90	0.65	0.46	5,110	1.42	2.00

See notes at end of table.

Table L-26. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for Students whose base year institution was public, 2-year: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.60	2.60
Minimum	†	†	†	†	†	1.28	1.65
25th percentile	†	†	†	†	†	1.47	2.15
Median	†	†	†	†	†	1.55	2.41
75th percentile	†	†	†	†	†	1.79	3.19
Maximum	†	†	†	†	†	1.92	3.69

† Not applicable.

Rounds to zero.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-27. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students whose base year institution was public, 4-year: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	15.25	0.77	0.53	4,570	1.46	2.13
Attained degree at any institution	PRATT6Y = 1, 2	64.85	1.22	0.71	4,570	1.73	3.00
No degree from any institution	PRATT6Y = 3, 4	35.15	1.22	0.71	4,570	1.73	3.00
Earned a bachelor's degree at first institution	PROUTFI6 = 1	51.54	1.22	0.74	4,570	1.65	2.74
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	1.95	0.40	0.20	4,570	1.96	3.83
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	59.50	1.32	0.73	4,570	1.82	3.30
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	5.35	0.48	0.33	4,570	1.46	2.12
No degree from last institution attended	PRLVL6Y = 4, 5, 6	35.15	1.22	0.71	4,570	1.73	3.00
Transferred at least once	TFNUM6Y > 0	25.76	0.82	0.65	4,570	1.27	1.62
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	58.61	0.75	0.73	4,570	1.03	1.07
Currently repaying education loans (for students with loans)	RPYSL09 = 0	55.60	1.33	0.96	2,660	1.38	1.91
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	27.93	1.05	0.84	2,830	1.24	1.54
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	90.42	0.72	0.51	3,320	1.40	1.97
Currently employed	JOBST09 = 1	85.50	0.84	0.64	3,010	1.31	1.73
Hold license or certification for job	JOBLCH09 = 1	90.40	1.44	1.37	460	1.05	1.10
Self-employed	JOBEMP09 = 6	3.07	0.39	0.34	2,560	1.15	1.32
Current job related to coursework	JOBRCR09 = 1	31.35	2.42	1.58	860	1.53	2.34
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	44.53	1.34	0.98	2,560	1.36	1.85
Satisfied with pay at first job	JOBS09H = 1	58.53	1.38	0.99	2,490	1.39	1.94
Employer offers medical insurance	JBEN09B = 1	79.90	0.95	0.80	2,490	1.19	1.41
Consider current job start of career	JOBCAR09 = 1	58.39	1.21	0.97	2,560	1.25	1.56
Currently looking for job, for unemployed	UNEMPL09 = 1	68.33	3.00	2.20	450	1.37	1.87
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	21.59	1.05	0.75	2,970	1.39	1.94
Receiving unemployment compensation	UNEMCP09 = 1	28.46	3.44	2.54	320	1.36	1.84
Has a disability	DISABL09 = 1	10.67	0.55	0.46	4,570	1.21	1.45
Single, never married	SMAR09 = 1	78.60	0.94	0.61	4,570	1.55	2.40
Has any dependent children	DEPANY09 = 1	14.10	0.84	0.51	4,570	1.64	2.69
Received any untaxed benefits in 2008	UNTAX09 = 1	4.65	0.48	0.31	4,570	1.55	2.39
Has any credit cards in 2009	CRDANY09 = 1	74.74	0.97	0.64	4,570	1.51	2.28
Payoff credit card balance	CRDPAY09 = 1	56.77	1.05	0.84	3,460	1.25	1.56
Community service/volunteer work in last year	COMSRV09 = 1	40.08	0.94	0.72	4,570	1.30	1.69
Ever voted	VOTEVE09 = 1	90.65	0.70	0.44	4,460	1.62	2.61

See notes at end of table.

Table L-27. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students whose base year institution was public, 4-year: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.43	2.10
Minimum	†	†	†	†	†	1.03	1.07
25th percentile	†	†	†	†	†	1.26	1.59
Median	†	†	†	†	†	1.39	1.94
75th percentile	†	†	†	†	†	1.58	2.51
Maximum	†	†	†	†	†	1.96	3.83

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-28. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students whose base year institution was private nonprofit, 4-year: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	13.11	1.10	0.56	3,640	1.96	3.86
Attained degree at any institution	PRATT6Y = 1, 2	69.91	1.45	0.76	3,640	1.91	3.65
No degree from any institution	PRATT6Y = 3, 4	30.09	1.45	0.76	3,640	1.91	3.65
Earned a bachelor's degree at first institution	PROUTFI6 = 1	56.99	1.78	0.82	3,640	2.16	4.68
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	2.78	0.77	0.27	3,640	2.81	7.92
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	64.62	1.89	0.79	3,640	2.39	5.71
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	5.28	0.90	0.37	3,640	2.44	5.94
No degree from last institution attended	PRLVL6Y = 4, 5, 6	30.09	1.45	0.76	3,640	1.91	3.65
Transferred at least once	TFNUM6Y > 0	25.36	1.38	0.72	3,640	1.91	3.65
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	65.88	0.91	0.79	3,640	1.15	1.33
Currently repaying education loans (for students with loans)	RPYSL09 = 0	64.75	1.39	0.99	2,320	1.40	1.97
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	31.15	1.32	0.91	2,590	1.45	2.11
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	90.40	1.15	0.57	2,650	2.01	4.05
Currently employed	JOBST09 = 1	83.59	1.22	0.75	2,460	1.64	2.67
Hold license or certification for job	JOBLCH09 = 1	87.93	2.13	1.72	360	1.24	1.53
Self-employed	JOBEMP09 = 6	3.11	0.55	0.38	2,080	1.45	2.11
Current job related to coursework	JOBRCR09 = 1	42.71	3.96	2.09	560	1.90	3.60
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	52.08	2.18	1.10	2,080	1.99	3.96
Satisfied with pay at first job	JOBS09H = 1	57.38	1.52	1.10	2,020	1.39	1.92
Employer offers medical insurance	JBEN09B = 1	80.90	1.19	0.87	2,020	1.37	1.87
Consider current job start of career	JOBCAR09 = 1	58.30	1.64	1.08	2,080	1.52	2.31
Currently looking for job, for unemployed	UNEMPL09 = 1	71.83	3.59	2.32	380	1.55	2.40
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	24.66	1.37	0.87	2,440	1.57	2.47
Receiving unemployment compensation	UNEMCP09 = 1	22.88	3.53	2.54	270	1.39	1.93
Has a disability	DISABL09 = 1	12.04	0.85	0.54	3,640	1.57	2.45
Single, never married	SMAR09 = 1	78.82	1.11	0.68	3,640	1.63	2.67
Has any dependent children	DEPANY09 = 1	14.00	1.09	0.58	3,640	1.89	3.59
Received any untaxed benefits in 2008	UNTAX09 = 1	4.71	0.60	0.35	3,640	1.72	2.96
Has any credit cards in 2009	CRDANY09 = 1	73.98	1.31	0.73	3,640	1.79	3.22
Payoff credit card balance	CRDPAY09 = 1	60.30	1.43	0.93	2,760	1.54	2.37
Community service/volunteer work in last year	COMSRV09 = 1	44.69	1.48	0.82	3,640	1.80	3.24
Ever voted	VOTEVE09 = 1	91.92	0.72	0.46	3,530	1.57	2.45

See notes at end of table.

Table L-28. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students whose base year institution was private nonprofit, 4-year: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.75	3.18
Minimum	†	†	†	†	†	1.15	1.33
25th percentile	†	†	†	†	†	1.49	2.21
Median	†	†	†	†	†	1.68	2.82
75th percentile	†	†	†	†	†	1.91	3.65
Maximum	†	†	†	†	†	2.81	7.92

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-29. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students whose base year institution was private-for-profit, 2-year or less: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	17.83	1.53	1.01	1,430	1.51	2.29
Attained degree at any institution	PRATT6Y = 1, 2	47.74	2.10	1.32	1,430	1.59	2.52
No degree from any institution	PRATT6Y = 3, 4	52.26	2.10	1.32	1,430	1.59	2.52
Earned a bachelor's degree at first institution	PROUTFI6 = 1	#	†	†	1,430	†	†
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	45.27	2.32	1.31	1,430	1.76	3.11
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	0.29	0.14	0.14	1,430	1.01	1.03
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	47.45	2.13	1.32	1,430	1.62	2.61
No degree from last institution attended	PRLVL6Y = 4, 5, 6	52.26	2.10	1.32	1,430	1.59	2.52
Transferred at least once	TFNUM6Y > 0	23.59	1.87	1.12	1,430	1.67	2.79
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	87.78	1.32	0.87	1,430	1.52	2.32
Currently repaying education loans (for students with loans)	RPYSL09 = 0	59.55	2.58	1.51	1,060	1.71	2.94
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	18.70	20.99	13.00	10	1.62	2.61
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	46.89	3.96	2.68	350	1.48	2.18
Currently employed	JOBST09 = 1	67.33	2.35	1.35	1,200	1.74	3.03
Hold license or certification for job	JOBLCH09 = 1	90.95	2.99	1.86	240	1.61	2.58
Self-employed	JOBEMP09 = 6	8.91	2.15	0.99	820	2.16	4.66
Current job related to coursework	JOBRCR09 = 1	49.38	3.34	1.85	730	1.80	3.24
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	13.13	2.29	1.18	820	1.95	3.79
Satisfied with pay at first job	JOBS09H = 1	57.25	2.45	1.81	750	1.36	1.84
Employer offers medical insurance	JBEN09B = 1	77.72	2.43	1.52	750	1.60	2.57
Consider current job start of career	JOBCAR09 = 1	52.40	3.34	1.74	820	1.92	3.67
Currently looking for job, for unemployed	UNEMPL09 = 1	70.95	4.31	2.32	380	1.86	3.45
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	43.98	2.73	1.44	1,190	1.90	3.60
Receiving unemployment compensation	UNEMCP09 = 1	18.75	3.41	2.35	280	1.45	2.10
Has a disability	DISABL09 = 1	18.76	1.43	1.03	1,430	1.39	1.93
Single, never married	SMAR09 = 1	48.76	2.35	1.32	1,430	1.78	3.18
Has any dependent children	DEPANY09 = 1	67.88	1.91	1.23	1,430	1.55	2.40
Received any untaxed benefits in 2008	UNTAX09 = 1	24.24	2.31	1.13	1,430	2.04	4.16
Has any credit cards in 2009	CRDANY09 = 1	37.80	2.18	1.28	1,430	1.70	2.90
Payoff credit card balance	CRDPAY09 = 1	27.60	2.34	1.79	630	1.31	1.71
Community service/volunteer work in last year	COMSRV09 = 1	21.04	2.06	1.08	1,430	1.92	3.68
Ever voted	VOTEVE09 = 1	84.52	1.37	0.98	1,370	1.40	1.95

See notes at end of table.

Table L-29. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students whose base year institution was private for-profit, 2-year or less: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.65	2.77
Minimum	†	†	†	†	†	1.01	1.03
25th percentile	†	†	†	†	†	1.51	2.29
Median	†	†	†	†	†	1.62	2.61
75th percentile	†	†	†	†	†	1.80	3.24
Maximum	†	†	†	†	†	2.16	4.66

† Not applicable.

Rounds to zero.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-30. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students whose base year institution was private-for-profit, 4 year: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	14.00	2.45	1.85	350	1.33	1.76
Attained degree at any institution	PRATT6Y = 1, 2	33.90	4.37	2.52	350	1.73	3.00
No degree from any institution	PRATT6Y = 3, 4	66.10	4.37	2.52	350	1.73	3.00
Earned a bachelor's degree at first institution	PROUTFI6 = 1	13.35	3.07	1.81	350	1.70	2.87
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	15.28	3.40	1.92	350	1.77	3.14
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	15.73	3.78	1.94	350	1.95	3.79
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	18.18	3.61	2.06	350	1.76	3.08
No degree from last institution attended	PRLVL6Y = 4, 5, 6	66.10	4.37	2.52	350	1.73	3.00
Transferred at least once	TFNUM6Y > 0	26.41	5.16	2.35	350	2.20	4.82
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	88.22	2.73	1.72	350	1.59	2.53
Currently repaying education loans (for students with loans)	RPYSL09 = 0	55.85	4.52	2.90	290	1.56	2.43
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	11.74	5.21	4.38	50	1.19	1.42
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	55.89	6.94	3.89	160	1.78	3.18
Currently employed	JOBST09 = 1	81.85	4.79	2.29	280	2.09	4.38
Hold license or certification for job	JOBLCH09 = 1	89.94	6.28	4.34	50	1.45	2.09
Self-employed	JOBEMP09 = 6	2.93	1.62	1.13	220	1.43	2.06
Current job related to coursework	JOBRCR09 = 1	35.66	7.93	3.68	170	2.15	4.64
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	16.04	5.37	2.46	220	2.18	4.75
Satisfied with pay at first job	JOBS09H = 1	56.26	5.18	3.42	210	1.51	2.29
Employer offers medical insurance	JBEN09B = 1	86.76	4.23	2.34	210	1.81	3.27
Consider current job start of career	JOBCAR09 = 1	47.21	9.11	3.35	220	2.72	7.39
Currently looking for job, for unemployed	UNEMPL09 = 1	70.94	9.54	5.81	60	1.64	2.69
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	26.72	3.57	2.65	280	1.34	1.81
Receiving unemployment compensation	UNEMCP09 = 1	32.10	15.42	7.04	40	2.19	4.80
Has a disability	DISABL09 = 1	14.97	3.32	1.90	350	1.75	3.06
Single, never married	SMAR09 = 1	56.44	4.53	2.64	350	1.71	2.94
Has any dependent children	DEPANY09 = 1	51.51	5.30	2.66	350	1.99	3.95
Received any untaxed benefits in 2008	UNTAX09 = 1	9.17	3.28	1.54	350	2.13	4.55
Has any credit cards in 2009	CRDANY09 = 1	47.99	4.27	2.66	350	1.60	2.57
Payoff credit card balance	CRDPAY09 = 1	27.35	5.57	3.33	180	1.67	2.79
Community service/volunteer work in last year	COMSRV09 = 1	22.53	2.81	2.23	350	1.26	1.60
Ever voted	VOTEVE09 = 1	87.63	3.72	1.79	340	2.07	4.29

See notes at end of table.

Table L-30. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students whose base year institution was private for-profit, 4 year: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.77	3.25
Minimum	†	†	†	†	†	1.19	1.42
25th percentile	†	†	†	†	†	1.58	2.48
Median	†	†	†	†	†	1.73	3.00
75th percentile	†	†	†	†	†	2.03	4.12
Maximum	†	†	†	†	†	2.72	7.39

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-31. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students whose base year institution was public less-than-2-year or private nonprofit 2-year or less: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	18.12	3.36	1.37	790	2.45	6.00
Attained degree at any institution	PRATT6Y = 1, 2	57.74	4.36	1.76	790	2.48	6.15
No degree from any institution	PRATT6Y = 3, 4	42.26	4.36	1.76	790	2.48	6.15
Earned a bachelor's degree at first institution	PROUTFI6 = 1	#	†	†	790	†	†
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	52.08	4.76	1.78	790	2.67	7.15
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	4.76	1.96	0.76	790	2.59	6.69
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	52.98	4.25	1.78	790	2.39	5.72
No degree from last institution attended	PRLVL6Y = 4, 5, 6	42.26	4.36	1.76	790	2.48	6.15
Transferred at least once	TFNUM6Y > 0	30.49	3.63	1.64	790	2.22	4.91
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	38.81	2.73	1.74	790	1.58	2.48
Currently repaying education loans (for students with loans)	RPYSL09 = 0	55.81	6.17	2.76	320	2.24	5.00
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	19.44	12.06	5.90	50	2.05	4.18
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	56.51	6.70	3.09	260	2.17	4.69
Currently employed	JOBST09 = 1	73.46	4.38	1.75	630	2.49	6.22
Hold license or certification for job	JOBLCH09 = 1	92.10	4.37	2.20	150	1.99	3.96
Self-employed	JOBEMP09 = 6	3.75	1.50	0.87	470	1.72	2.95
Current job related to coursework	JOBRCR09 = 1	50.19	5.28	2.50	400	2.11	4.47
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	17.78	3.89	1.76	470	2.21	4.90
Satisfied with pay at first job	JOBS09H = 1	59.56	5.12	2.31	450	2.22	4.91
Employer offers medical insurance	JBEN09B = 1	79.77	3.90	1.89	450	2.06	4.25
Consider current job start of career	JOBCAR09 = 1	59.28	4.37	2.26	470	1.94	3.75
Currently looking for job, for unemployed	UNEMPL09 = 1	66.94	6.97	3.73	160	1.87	3.49
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	27.65	4.74	1.78	630	2.65	7.04
Receiving unemployment compensation	UNEMCP09 = 1	21.62	7.37	4.12	100	1.79	3.21
Has a disability	DISABL09 = 1	17.73	2.69	1.36	790	1.98	3.90
Single, never married	SMAR09 = 1	40.61	3.50	1.75	790	2.00	4.00
Has any dependent children	DEPANY09 = 1	58.52	3.53	1.76	790	2.01	4.06
Received any untaxed benefits in 2008	UNTAX09 = 1	14.69	2.88	1.26	790	2.28	5.20
Has any credit cards in 2009	CRDANY09 = 1	57.51	3.76	1.76	790	2.13	4.55
Payoff credit card balance	CRDPAY09 = 1	37.79	5.28	2.35	420	2.24	5.03
Community service/volunteer work in last year	COMSRV09 = 1	25.56	3.14	1.55	790	2.02	4.08
Ever voted	VOTEVE09 = 1	87.04	2.51	1.23	750	2.04	4.16

See notes at end of table.

Table L-31. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students whose base year institution was public less-than-2-year or private nonprofit 2-year or less: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	2.18	4.82
Minimum	†	†	†	†	†	1.58	2.48
25th percentile	†	†	†	†	†	2.00	4.00
Median	†	†	†	†	†	2.17	4.69
75th percentile	†	†	†	†	†	2.45	6.00
Maximum	†	†	†	†	†	2.67	7.15

† Not applicable.

Rounds to zero.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-32. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for male students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	20.62	0.94	0.50	6,630	1.90	3.59
Attained degree at any institution	PRATT6Y = 1, 2	47.00	0.91	0.61	6,630	1.49	2.21
No degree from any institution	PRATT6Y = 3, 4	53.00	0.91	0.61	6,630	1.49	2.21
Earned a bachelor's degree at first institution	PROUTFI6 = 1	21.81	0.71	0.51	6,630	1.39	1.94
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	14.23	0.78	0.43	6,630	1.81	3.27
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	30.36	0.83	0.56	6,630	1.46	2.14
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	16.64	0.83	0.46	6,630	1.81	3.29
No degree from last institution attended	PRLVL6Y = 4, 5, 6	53.00	0.91	0.61	6,630	1.49	2.21
Transferred at least once	TFNUM6Y > 0	33.35	1.05	0.58	6,630	1.81	3.26
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	50.32	1.05	0.61	6,630	1.70	2.90
Currently repaying education loans (for students with loans)	RPYSL09 = 0	57.09	1.55	0.83	3,530	1.86	3.44
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	22.62	1.12	0.82	2,570	1.36	1.86
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	77.21	1.08	0.68	3,780	1.58	2.49
Currently employed	JOBST09 = 1	80.49	1.03	0.58	4,730	1.78	3.18
Hold license or certification for job	JOBLCH09 = 1	88.28	2.12	1.20	720	1.77	3.13
Self-employed	JOBEMP09 = 6	5.24	0.57	0.36	3,860	1.58	2.48
Current job related to coursework	JOBRCR09 = 1	38.63	1.91	1.05	2,130	1.82	3.30
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	27.09	1.04	0.72	3,860	1.45	2.11
Satisfied with pay at first job	JOBS09H = 1	61.91	1.20	0.80	3,670	1.50	2.25
Employer offers medical insurance	JBEN09B = 1	78.93	1.14	0.67	3,670	1.69	2.87
Consider current job start of career	JOBCAR09 = 1	54.24	1.36	0.80	3,860	1.69	2.86
Currently looking for job, for unemployed	UNEMPL09 = 1	76.89	2.12	1.43	870	1.49	2.21
Ever employed for more than 3 months since undergraduate graduation	UNEMP09= 1	28.28	1.16	0.66	4,640	1.76	3.08
Receiving unemployment compensation	UNEMCP09= 1	29.58	2.57	1.76	680	1.46	2.15
Has a disability	DISABL09 = 1	13.94	0.65	0.43	6,630	1.53	2.34
Single, never married	SMAR09 = 1	71.36	1.17	0.56	6,630	2.10	4.41
Has any dependent children	DEPANY09 = 1	24.92	1.17	0.53	6,630	2.21	4.88
Received any untaxed benefits in 2008	UNTAX09 = 1	5.32	0.48	0.28	6,630	1.75	3.05
Has any credit cards in 2009	CRDANY09 = 1	62.98	1.17	0.59	6,630	1.98	3.92
Payoff credit card balance	CRDPAY09 = 1	52.31	1.51	0.76	4,330	1.99	3.96
Community service/volunteer work in last year	COMSRV09 = 1	32.51	0.91	0.58	6,630	1.58	2.50
Ever voted	VOTEVE09 = 1	88.16	0.61	0.40	6,380	1.50	2.25

See notes at end of table.

Table L-32. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for male students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.68	2.87
Minimum	†	†	†	†	†	1.36	1.86
25th percentile	†	†	†	†	†	1.49	2.21
Median	†	†	†	†	†	1.69	2.87
75th percentile	†	†	†	†	†	1.81	3.28
Maximum	†	†	†	†	†	2.21	4.88

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-33. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for female students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	20.10	0.60	0.41	9,500	1.46	2.14
Attained degree at any institution	PRATT6Y = 1, 2	51.40	0.94	0.51	9,500	1.82	3.33
No degree from any institution	PRATT6Y = 3, 4	48.60	0.94	0.51	9,500	1.82	3.33
Earned a bachelor's degree at first institution	PROUTFI6 = 1	22.67	0.61	0.43	9,500	1.42	2.02
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	18.23	0.63	0.40	9,500	1.59	2.52
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	31.01	0.74	0.47	9,500	1.56	2.44
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	20.39	0.65	0.41	9,500	1.57	2.46
No degree from last institution attended	PRLVL6Y = 4, 5, 6	48.60	0.94	0.51	9,500	1.82	3.33
Transferred at least once	TFNUM6Y > 0	30.48	0.66	0.47	9,500	1.40	1.96
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	55.98	0.84	0.51	9,500	1.65	2.71
Currently repaying education loans (for students with loans)	RPYSL09 = 0	53.28	1.00	0.68	5,420	1.48	2.20
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	31.17	1.04	0.76	3,670	1.36	1.86
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	76.42	0.97	0.56	5,700	1.72	2.96
Currently employed	JOBST09 = 1	78.86	0.82	0.50	6,580	1.63	2.65
Hold license or certification for job	JOBLCH09 = 1	91.47	1.37	0.81	1,180	1.68	2.83
Self-employed	JOBEMP09 = 6	3.34	0.49	0.25	5,230	1.97	3.87
Current job related to coursework	JOBRCR09 = 1	40.12	1.58	0.93	2,750	1.69	2.85
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	31.89	1.04	0.64	5,230	1.61	2.58
Satisfied with pay at first job	JOBS09H = 1	56.86	0.99	0.70	5,040	1.41	2.00
Employer offers medical insurance	JBEN09B = 1	78.59	0.91	0.58	5,040	1.57	2.47
Consider current job start of career	JOBCAR09 = 1	52.49	1.18	0.69	5,230	1.71	2.93
Currently looking for job, for unemployed	UNEMPL09 = 1	59.43	2.25	1.34	1,350	1.68	2.83
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	26.09	0.94	0.55	6,470	1.72	2.94
Receiving unemployment compensation	UNEMCP09 = 1	22.47	2.27	1.44	840	1.57	2.48
Has a disability	DISABL09 = 1	14.13	0.51	0.36	9,500	1.44	2.07
Single, never married	SMAR09 = 1	59.85	0.83	0.50	9,500	1.65	2.72
Has any dependent children	DEPANY09 = 1	39.50	0.84	0.50	9,500	1.68	2.81
Received any untaxed benefits in 2008	UNTAX09 = 1	12.25	0.64	0.34	9,500	1.90	3.60
Has any credit cards in 2009	CRDANY09 = 1	64.65	0.85	0.49	9,500	1.74	3.02
Payoff credit card balance	CRDPAY09 = 1	44.44	0.94	0.62	6,360	1.50	2.26
Community service/volunteer work in last year	COMSRV09 = 1	33.87	0.67	0.49	9,500	1.37	1.88
Ever voted	VOTEVE09 = 1	89.33	0.51	0.32	9,170	1.59	2.53

See notes at end of table.

Table L-33. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for female students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.62	2.64
Minimum	†	†	†	†	†	1.36	1.86
25th percentile	†	†	†	†	†	1.49	2.23
Median	†	†	†	†	†	1.62	2.61
75th percentile	†	†	†	†	†	1.71	2.93
Maximum	†	†	†	†	†	1.97	3.87

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-34. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for White students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	17.65	0.67	0.37	10,450	1.80	3.25
Attained degree at any institution	PRATT6Y = 1, 2	54.23	0.68	0.49	10,450	1.40	1.97
No degree from any institution	PRATT6Y = 3, 4	45.77	0.68	0.49	10,450	1.40	1.97
Earned a bachelor's degree at first institution	PROUTFI6 = 1	26.72	0.76	0.43	10,450	1.76	3.09
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	15.70	0.67	0.36	10,450	1.87	3.50
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	36.39	0.79	0.47	10,450	1.67	2.79
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	17.84	0.68	0.37	10,450	1.81	3.28
No degree from last institution attended	PRLVL6Y = 4, 5, 6	45.77	0.68	0.49	10,450	1.40	1.97
Transferred at least once	TFNUM6Y > 0	30.73	0.85	0.45	10,450	1.89	3.56
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	52.45	0.80	0.49	10,450	1.63	2.67
Currently repaying education loans (for students with loans)	RPYSL09 = 0	58.89	1.17	0.65	5,650	1.79	3.20
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	27.56	0.93	0.65	4,660	1.43	2.04
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	78.58	0.96	0.52	6,330	1.87	3.49
Currently employed	JOBST09 = 1	83.10	0.83	0.43	7,450	1.91	3.65
Hold license or certification for job	JOBLCH09 = 1	91.35	1.54	0.79	1,270	1.94	3.78
Self-employed	JOBEMP09 = 6	3.93	0.42	0.25	6,220	1.72	2.95
Current job related to coursework	JOBRCR09 = 1	37.35	1.69	0.88	3,040	1.93	3.73
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	32.89	0.92	0.60	6,220	1.54	2.36
Satisfied with pay at first job	JOBS09H = 1	59.92	0.96	0.63	5,980	1.51	2.29
Employer offers medical insurance	JBEN09B = 1	78.58	0.97	0.53	5,980	1.83	3.36
Consider current job start of career	JOBCAR09 = 1	54.87	1.06	0.63	6,220	1.68	2.83
Currently looking for job, for unemployed	UNEMPL09 = 1	64.53	2.05	1.37	1,220	1.50	2.24
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	21.48	0.81	0.48	7,350	1.70	2.88
Receiving unemployment compensation	UNEMCP09 = 1	27.26	2.51	1.58	790	1.59	2.53
Has a disability	DISABL09 = 1	14.96	0.55	0.35	10,450	1.58	2.49
Single, never married	SMAR09 = 1	63.44	0.91	0.47	10,450	1.93	3.74
Has any dependent children	DEPANY09 = 1	28.22	0.98	0.44	10,450	2.23	4.97
Received any untaxed benefits in 2008	UNTAX09 = 1	6.84	0.42	0.25	10,450	1.68	2.83
Has any credit cards in 2009	CRDANY09 = 1	69.75	0.81	0.45	10,450	1.81	3.27
Payoff credit card balance	CRDPAY09 = 1	50.78	1.13	0.58	7,440	1.96	3.83
Community service/volunteer work in last year	COMSRV09 = 1	35.21	0.67	0.47	10,450	1.43	2.05
Ever voted	VOTEVE09 = 1	89.80	0.47	0.30	10,350	1.57	2.47

See notes at end of table.

Table L-34. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for White students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.71	2.97
Minimum	†	†	†	†	†	1.40	1.97
25th percentile	†	†	†	†	†	1.55	2.42
Median	†	†	†	†	†	1.71	2.92
75th percentile	†	†	†	†	†	1.87	3.50
Maximum	†	†	†	†	†	2.23	4.97

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-35. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for Black or African American students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	25.68	1.47	0.95	2,100	1.54	2.38
Attained degree at any institution	PRATT6Y = 1, 2	36.83	1.83	1.05	2,100	1.74	3.04
No degree from any institution	PRATT6Y = 3, 4	63.17	1.83	1.05	2,100	1.74	3.04
Earned a bachelor's degree at first institution	PROUTFI6 = 1	11.92	1.01	0.71	2,100	1.43	2.06
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	17.14	1.67	0.82	2,100	2.03	4.14
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	16.66	1.20	0.81	2,100	1.47	2.17
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	20.17	1.65	0.87	2,100	1.89	3.56
No degree from last institution attended	PRLVL6Y = 4, 5, 6	63.17	1.83	1.05	2,100	1.74	3.04
Transferred at least once	TFNUM6Y > 0	33.94	1.57	1.03	2,100	1.52	2.30
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	67.36	1.97	1.02	2,100	1.93	3.72
Currently repaying education loans (for students with loans)	RPYSL09 = 0	43.55	1.81	1.29	1,470	1.40	1.95
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	28.91	3.04	2.13	450	1.43	2.04
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	68.19	2.14	1.36	1,180	1.58	2.48
Currently employed	JOBST09 = 1	71.90	1.76	1.20	1,390	1.46	2.14
Hold license or certification for job	JOBLCH09 = 1	90.43	2.80	1.92	240	1.46	2.14
Self-employed	JOBEMP09 = 6	4.89	1.12	0.68	1,010	1.66	2.75
Current job related to coursework	JOBRCR09 = 1	41.15	3.14	1.86	700	1.68	2.84
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	21.61	2.11	1.29	1,010	1.63	2.67
Satisfied with pay at first job	JOBS09H = 1	55.27	2.40	1.60	970	1.50	2.26
Employer offers medical insurance	JBEN09B = 1	81.94	2.00	1.24	970	1.61	2.60
Consider current job start of career	JOBCAR09 = 1	48.59	2.59	1.57	1,010	1.65	2.73
Currently looking for job, for unemployed	UNEMPL09 = 1	67.30	3.76	2.41	380	1.56	2.44
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09= 1	42.18	2.23	1.34	1,360	1.67	2.79
Receiving unemployment compensation	UNEMCP09= 1	24.12	4.41	2.59	270	1.70	2.89
Has a disability	DISABL09 = 1	11.97	1.30	0.71	2,100	1.83	3.36
Single, never married	SMAR09 = 1	67.79	1.80	1.02	2,100	1.76	3.11
Has any dependent children	DEPANY09 = 1	51.91	1.86	1.09	2,100	1.71	2.91
Received any untaxed benefits in 2008	UNTAX09 = 1	21.63	1.59	0.90	2,100	1.77	3.14
Has any credit cards in 2009	CRDANY09 = 1	35.90	1.51	1.05	2,100	1.45	2.10
Payoff credit card balance	CRDPAY09 = 1	31.15	2.48	1.60	840	1.55	2.40
Community service/volunteer work in last year	COMSRV09 = 1	31.52	1.60	1.01	2,100	1.58	2.49
Ever voted	VOTEVE09 = 1	92.84	0.92	0.58	2,000	1.60	2.57

See notes at end of table.

Table L-35. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for Black or African American students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.63	2.69
Minimum	†	†	†	†	†	1.40	1.95
25th percentile	†	†	†	†	†	1.51	2.28
Median	†	†	†	†	†	1.62	2.63
75th percentile	†	†	†	†	†	1.74	3.04
Maximum	†	†	†	†	†	2.03	4.14

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-36. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for Hispanic or Latino students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	23.48	1.38	0.95	1,990	1.45	2.12
Attained degree at any institution	PRATT6Y = 1, 2	41.23	2.07	1.10	1,990	1.88	3.52
No degree from any institution	PRATT6Y = 3, 4	58.77	2.07	1.10	1,990	1.88	3.52
Earned a bachelor's degree at first institution	PROUTFI6 = 1	11.31	0.79	0.71	1,990	1.12	1.25
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	22.69	2.07	0.94	1,990	2.21	4.89
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	16.91	1.06	0.84	1,990	1.26	1.60
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	24.33	2.06	0.96	1,990	2.15	4.60
No degree from last institution attended	PRLVL6Y = 4, 5, 6	58.77	2.07	1.10	1,990	1.88	3.52
Transferred at least once	TFNUM6Y > 0	30.09	1.46	1.03	1,990	1.42	2.03
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	49.35	1.93	1.12	1,990	1.72	2.97
Currently repaying education loans (for students with loans)	RPYSL09 = 0	53.14	2.37	1.54	1,060	1.54	2.37
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	26.94	3.07	2.05	470	1.50	2.25
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	71.66	2.24	1.38	1,060	1.62	2.61
Currently employed	JOBST09 = 1	74.75	1.85	1.16	1,400	1.59	2.54
Hold license or certification for job	JOBLCH09 = 1	88.38	3.44	2.15	220	1.60	2.55
Self-employed	JOBEMP09 = 6	4.04	0.76	0.61	1,030	1.25	1.55
Current job related to coursework	JOBRCR09 = 1	44.77	2.96	1.88	700	1.58	2.49
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	20.88	1.83	1.26	1,030	1.45	2.09
Satisfied with pay at first job	JOBS09H = 1	60.80	2.50	1.56	980	1.61	2.58
Employer offers medical insurance	JBEN09B = 1	78.67	1.87	1.31	980	1.43	2.04
Consider current job start of career	JOBCAR09 = 1	49.49	2.44	1.56	1,030	1.57	2.46
Currently looking for job, for unemployed	UNEMPL09 = 1	71.05	4.21	2.37	370	1.78	3.15
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	35.01	2.09	1.29	1,360	1.61	2.60
Receiving unemployment compensation	UNEMCP09 = 1	26.96	3.87	2.70	270	1.44	2.07
Has a disability	DISABL09 = 1	13.09	1.06	0.76	1,990	1.41	1.97
Single, never married	SMAR09 = 1	61.05	1.67	1.09	1,990	1.53	2.33
Has any dependent children	DEPANY09 = 1	43.17	2.06	1.11	1,990	1.86	3.46
Received any untaxed benefits in 2008	UNTAX09 = 1	9.43	1.20	0.65	1,990	1.83	3.36
Has any credit cards in 2009	CRDANY09 = 1	62.82	1.51	1.08	1,990	1.40	1.95
Payoff credit card balance	CRDPAY09 = 1	37.66	1.99	1.35	1,280	1.47	2.17
Community service/volunteer work in last year	COMSRV09 = 1	26.07	1.47	0.98	1,990	1.49	2.23
Ever voted	VOTEVE09 = 1	84.63	1.27	0.85	1,820	1.50	2.25

See notes at end of table.

Table L-36. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for Hispanic or Latino students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.59	2.60
Minimum	†	†	†	†	†	1.12	1.25
25th percentile	†	†	†	†	†	1.44	2.08
Median	†	†	†	†	†	1.55	2.42
75th percentile	†	†	†	†	†	1.75	3.06
Maximum	†	†	†	†	†	2.21	4.89

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-37. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for Asian students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	23.02	2.70	1.54	750	1.76	3.09
Attained degree at any institution	PRATT6Y = 1, 2	58.45	2.90	1.80	750	1.61	2.60
No degree from any institution	PRATT6Y = 3, 4	41.55	2.90	1.80	750	1.61	2.60
Earned a bachelor's degree at first institution	PROUTFI6 = 1	32.09	2.36	1.70	750	1.39	1.92
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	10.26	1.71	1.11	750	1.54	2.39
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	45.51	2.78	1.82	750	1.53	2.34
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	12.94	1.72	1.23	750	1.41	1.98
No degree from last institution attended	PRLVL6Y = 4, 5, 6	41.55	2.90	1.80	750	1.61	2.60
Transferred at least once	TFNUM6Y > 0	40.11	2.93	1.79	750	1.64	2.69
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	42.21	2.55	1.80	750	1.42	2.01
Currently repaying education loans (for students with loans)	RPYSL09 = 0	50.04	4.15	2.76	330	1.51	2.27
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	30.53	2.99	2.33	390	1.28	1.64
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	87.73	2.50	1.53	460	1.63	2.65
Currently employed	JOBST09 = 1	75.14	2.95	1.96	490	1.50	2.26
Hold license or certification for job	JOBLCH09 = 1	80.93	6.51	4.54	80	1.44	2.06
Self-employed	JOBEMP09 = 6	6.92	2.13	1.31	380	1.62	2.64
Current job related to coursework	JOBRCR09 = 1	49.83	4.41	3.76	180	1.17	1.38
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	43.69	3.44	2.56	380	1.34	1.81
Satisfied with pay at first job	JOBS09H = 1	54.13	3.32	2.63	360	1.26	1.59
Employer offers medical insurance	JBEN09B = 1	76.47	3.35	2.24	360	1.50	2.24
Consider current job start of career	JOBCAR09 = 1	60.05	3.43	2.53	380	1.36	1.85
Currently looking for job, for unemployed	UNEMPL09 = 1	75.87	5.48	4.08	110	1.34	1.81
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	31.36	2.74	2.14	470	1.29	1.65
Receiving unemployment compensation	UNEMCP09 = 1	18.25	5.40	4.40	80	1.23	1.50
Has a disability	DISABL09 = 1	7.76	1.34	0.98	750	1.37	1.88
Single, never married	SMAR09 = 1	81.93	2.19	1.41	750	1.56	2.44
Has any dependent children	DEPANY09 = 1	13.65	1.98	1.25	750	1.58	2.51
Received any untaxed benefits in 2008	UNTAX09 = 1	2.93	0.92	0.62	750	1.50	2.25
Has any credit cards in 2009	CRDANY09 = 1	81.39	2.76	1.42	750	1.94	3.76
Payoff credit card balance	CRDPAY09 = 1	61.03	2.89	1.96	620	1.47	2.17
Community service/volunteer work in last year	COMSRV09 = 1	35.78	2.61	1.75	750	1.49	2.23
Ever voted	VOTEVE09 = 1	77.54	2.28	1.72	590	1.32	1.75

See notes at end of table.

Table L-37. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for Asian students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.48	2.20
Minimum	†	†	†	†	†	1.17	1.38
25th percentile	†	†	†	†	†	1.35	1.83
Median	†	†	†	†	†	1.50	2.24
75th percentile	†	†	†	†	†	1.60	2.55
Maximum	†	†	†	†	†	1.94	3.76

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-38. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students of other race/ethnicities including more than one race: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	26.36	2.42	1.53	830	1.58	2.50
Attained degree at any institution	PRATT6Y = 1, 2	43.09	2.41	1.72	830	1.40	1.96
No degree from any institution	PRATT6Y = 3, 4	56.91	2.41	1.72	830	1.40	1.96
Earned a bachelor's degree at first institution	PROUTFI6 = 1	20.22	2.12	1.39	830	1.52	2.30
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	12.57	1.76	1.15	830	1.53	2.34
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	27.26	2.24	1.55	830	1.45	2.11
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	15.83	2.09	1.27	830	1.65	2.72
No degree from last institution attended	PRLVL6Y = 4, 5, 6	56.91	2.41	1.72	830	1.40	1.96
Transferred at least once	TFNUM6Y > 0	34.39	2.66	1.65	830	1.61	2.59
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	52.75	2.28	1.73	830	1.31	1.73
Currently repaying education loans (for students with loans)	RPYSL09 = 0	52.95	3.96	2.37	440	1.67	2.80
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	22.18	3.32	2.52	270	1.32	1.73
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	78.50	3.33	1.90	470	1.76	3.08
Currently employed	JOBST09 = 1	74.69	2.56	1.80	590	1.42	2.03
Hold license or certification for job	JOBLCH09 = 1	87.51	4.53	3.31	100	1.37	1.88
Self-employed	JOBEMP09 = 6	3.43	1.16	0.87	440	1.34	1.79
Current job related to coursework	JOBRCR09 = 1	33.70	4.74	2.92	260	1.62	2.63
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	23.82	2.53	2.03	440	1.25	1.56
Satisfied with pay at first job	JOBS09H = 1	54.95	3.44	2.42	420	1.42	2.03
Employer offers medical insurance	JBEN09B = 1	74.54	2.98	2.12	420	1.41	1.98
Consider current job start of career	JOBCAR09 = 1	48.74	4.15	2.38	440	1.74	3.04
Currently looking for job, for unemployed	UNEMPL09 = 1	60.27	6.06	4.08	140	1.49	2.21
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	28.27	2.66	1.90	560	1.40	1.97
Receiving unemployment compensation	UNEMCP09 = 1	22.71	5.73	4.25	100	1.35	1.81
Has a disability	DISABL09 = 1	17.36	1.95	1.32	830	1.48	2.19
Single, never married	SMAR09 = 1	67.27	2.56	1.63	830	1.57	2.48
Has any dependent children	DEPANY09 = 1	33.47	2.72	1.64	830	1.66	2.76
Received any untaxed benefits in 2008	UNTAX09 = 1	11.12	1.59	1.09	830	1.45	2.11
Has any credit cards in 2009	CRDANY09 = 1	56.65	2.70	1.72	830	1.57	2.46
Payoff credit card balance	CRDPAY09 = 1	46.05	3.21	2.21	510	1.45	2.11
Community service/volunteer work in last year	COMSRV09 = 1	33.77	2.63	1.64	830	1.60	2.57
Ever voted	VOTEVE09 = 1	85.66	1.91	1.24	800	1.54	2.36

See notes at end of table.

Table L-38. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students of other race/ethnicities including more than one race: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.49	2.24
Minimum	†	†	†	†	†	1.25	1.56
25th percentile	†	†	†	†	†	1.40	1.96
Median	†	†	†	†	†	1.47	2.15
75th percentile	†	†	†	†	†	1.59	2.53
Maximum	†	†	†	†	†	1.76	3.08

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-39. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for male, White students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	17.85	1.01	0.58	4,410	1.75	3.08
Attained degree at any institution	PRATT6Y = 1, 2	51.11	1.04	0.75	4,410	1.38	1.90
No degree from any institution	PRATT6Y = 3, 4	48.89	1.04	0.75	4,410	1.38	1.90
Earned a bachelor's degree at first institution	PROUTFI6 = 1	25.89	1.04	0.66	4,410	1.57	2.46
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	13.49	1.06	0.51	4,410	2.05	4.20
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	35.36	1.08	0.72	4,410	1.51	2.27
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	15.75	1.12	0.55	4,410	2.04	4.15
No degree from last institution attended	PRLVL6Y = 4, 5, 6	48.89	1.04	0.75	4,410	1.38	1.90
Transferred at least once	TFNUM6Y > 0	31.76	1.43	0.70	4,410	2.04	4.18
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	49.59	1.26	0.75	4,410	1.67	2.79
Currently repaying education loans (for students with loans)	RPYSL09 = 0	61.99	2.04	1.02	2,280	2.01	4.03
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	22.68	1.32	0.95	1,950	1.39	1.93
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	78.64	1.49	0.81	2,570	1.84	3.38
Currently employed	JOBST09 = 1	83.61	1.22	0.66	3,190	1.86	3.47
Hold license or certification for job	JOBLCH09 = 1	89.06	2.88	1.43	480	2.02	4.08
Self-employed	JOBEMP09 = 6	4.86	0.68	0.41	2,700	1.65	2.72
Current job related to coursework	JOBRCR09 = 1	34.93	2.59	1.28	1,390	2.03	4.10
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	29.87	1.22	0.88	2,700	1.39	1.92
Satisfied with pay at first job	JOBS09H = 1	62.54	1.41	0.95	2,590	1.48	2.18
Employer offers medical insurance	JBEN09B = 1	78.90	1.45	0.80	2,590	1.80	3.24
Consider current job start of career	JOBCAR09 = 1	55.37	1.69	0.96	2,700	1.77	3.12
Currently looking for job, for unemployed	UNEMPL09 = 1	76.53	3.01	1.92	490	1.57	2.46
Ever employed for more than 3 months since undergraduate graduation	UNEMP09= 1	23.22	1.28	0.75	3,140	1.70	2.89
Receiving unemployment compensation	UNEMCP09= 1	31.23	3.78	2.37	380	1.59	2.54
Has a disability	DISABL09 = 1	14.72	0.87	0.53	4,410	1.62	2.63
Single, never married	SMAR09 = 1	70.98	1.41	0.68	4,410	2.07	4.27
Has any dependent children	DEPANY09 = 1	21.40	1.52	0.62	4,410	2.47	6.08
Received any untaxed benefits in 2008	UNTAX09 = 1	4.56	0.54	0.31	4,410	1.73	2.99
Has any credit cards in 2009	CRDANY09 = 1	67.29	1.29	0.71	4,410	1.82	3.32
Payoff credit card balance	CRDPAY09 = 1	55.19	1.96	0.90	3,040	2.18	4.75
Community service/volunteer work in last year	COMSRV09 = 1	33.27	1.11	0.71	4,410	1.56	2.44
Ever voted	VOTEVE09 = 1	89.24	0.77	0.47	4,370	1.64	2.68

See notes at end of table.

Table L-39. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for male, White students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.75	3.13
Minimum	†	†	†	†	†	1.38	1.90
25th percentile	†	†	†	†	†	1.57	2.45
Median	†	†	†	†	†	1.71	2.94
75th percentile	†	†	†	†	†	2.01	4.05
Maximum	†	†	†	†	†	2.47	6.08

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-40. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for male, Black or African American students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	26.57	2.68	1.59	770	1.69	2.86
Attained degree at any institution	PRATT6Y = 1, 2	35.59	2.90	1.72	770	1.69	2.84
No degree from any institution	PRATT6Y = 3, 4	64.41	2.90	1.72	770	1.69	2.84
Earned a bachelor's degree at first institution	PROUTFI6 = 1	12.38	1.47	1.18	770	1.24	1.54
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	15.16	2.77	1.29	770	2.15	4.61
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	17.11	1.69	1.35	770	1.25	1.55
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	18.48	2.80	1.40	770	2.01	4.03
No degree from last institution attended	PRLVL6Y = 4, 5, 6	64.41	2.90	1.72	770	1.69	2.84
Transferred at least once	TFNUM6Y > 0	36.02	2.63	1.73	770	1.52	2.32
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	63.06	3.39	1.73	770	1.95	3.81
Currently repaying education loans (for students with loans)	RPYSL09 = 0	45.46	3.07	2.18	520	1.41	1.99
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	17.16	3.52	2.94	160	1.20	1.43
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	70.92	3.93	2.24	410	1.75	3.08
Currently employed	JOBST09 = 1	73.23	2.72	1.90	550	1.43	2.06
Hold license or certification for job	JOBLCH09 = 1	91.47	5.07	2.90	90	1.75	3.07
Self-employed	JOBEMP09 = 6	4.93	1.35	1.08	400	1.25	1.56
Current job related to coursework	JOBRCR09 = 1	30.89	4.58	2.73	290	1.68	2.82
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	15.63	3.07	1.81	400	1.69	2.87
Satisfied with pay at first job	JOBS09H = 1	56.04	4.36	2.55	380	1.71	2.93
Employer offers medical insurance	JBEN09B = 1	78.71	3.29	2.10	380	1.57	2.46
Consider current job start of career	JOBCAR09 = 1	46.74	4.55	2.49	400	1.83	3.34
Currently looking for job, for unemployed	UNEMPL09 = 1	78.77	4.34	3.41	140	1.27	1.62
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	45.08	3.29	2.15	540	1.53	2.33
Receiving unemployment compensation	UNEMCP09 = 1	28.19	5.92	4.25	110	1.39	1.94
Has a disability	DISABL09 = 1	9.05	1.70	1.03	770	1.65	2.73
Single, never married	SMAR09 = 1	67.82	3.20	1.68	770	1.91	3.64
Has any dependent children	DEPANY09 = 1	41.09	3.19	1.77	770	1.80	3.25
Received any untaxed benefits in 2008	UNTAX09 = 1	10.68	1.96	1.11	770	1.77	3.12
Has any credit cards in 2009	CRDANY09 = 1	35.56	2.69	1.72	770	1.56	2.44
Payoff credit card balance	CRDPAY09 = 1	37.29	4.29	2.77	300	1.55	2.39
Community service/volunteer work in last year	COMSRV09 = 1	33.64	2.99	1.70	770	1.76	3.10
Ever voted	VOTEVE09 = 1	92.08	1.43	1.00	730	1.42	2.03

See notes at end of table.

Table L-40. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for male, Black or African American students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.62	2.67
Minimum	†	†	†	†	†	1.20	1.43
25th percentile	†	†	†	†	†	1.43	2.04
Median	†	†	†	†	†	1.68	2.83
75th percentile	†	†	†	†	†	1.76	3.09
Maximum	†	†	†	†	†	2.15	4.61

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-41. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for male, Hispanic or Latino students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	23.78	2.30	1.55	750	1.48	2.19
Attained degree at any institution	PRATT6Y = 1, 2	38.93	2.86	1.78	750	1.61	2.59
No degree from any institution	PRATT6Y = 3, 4	61.07	2.86	1.78	750	1.61	2.59
Earned a bachelor's degree at first institution	PROUTFI6 = 1	11.22	1.42	1.15	750	1.23	1.52
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	20.20	2.75	1.46	750	1.88	3.52
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	16.49	1.77	1.35	750	1.31	1.71
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	22.44	2.84	1.52	750	1.86	3.47
No degree from last institution attended	PRLVL6Y = 4, 5, 6	61.07	2.86	1.78	750	1.61	2.59
Transferred at least once	TFNUM6Y > 0	32.29	2.69	1.71	750	1.58	2.48
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	47.49	3.24	1.82	750	1.78	3.17
Currently repaying education loans (for students with loans)	RPYSL09 = 0	55.00	3.67	2.50	400	1.47	2.16
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	22.89	4.32	3.18	180	1.36	1.85
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	71.17	3.72	2.25	410	1.65	2.74
Currently employed	JOBST09 = 1	75.97	2.91	1.88	520	1.55	2.39
Hold license or certification for job	JOBLCH09 = 1	87.67	5.49	3.72	80	1.47	2.17
Self-employed	JOBEMP09 = 6	7.13	1.75	1.31	380	1.33	1.78
Current job related to coursework	JOBRCR09 = 1	51.85	4.88	3.14	250	1.55	2.41
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	20.75	3.40	2.07	380	1.64	2.70
Satisfied with pay at first job	JOBS09H = 1	66.93	3.62	2.50	360	1.45	2.10
Employer offers medical insurance	JBEN09B = 1	80.82	3.12	2.09	360	1.49	2.23
Consider current job start of career	JOBCAR09 = 1	54.09	4.24	2.54	380	1.67	2.77
Currently looking for job, for unemployed	UNEMPL09 = 1	83.54	4.88	3.24	130	1.51	2.27
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	35.30	3.40	2.14	500	1.59	2.52
Receiving unemployment compensation	UNEMCP09 = 1	27.61	6.01	4.22	110	1.42	2.02
Has a disability	DISABL09 = 1	15.73	1.92	1.33	750	1.45	2.10
Single, never married	SMAR09 = 1	68.78	3.08	1.69	750	1.82	3.33
Has any dependent children	DEPANY09 = 1	31.79	2.71	1.70	750	1.59	2.54
Received any untaxed benefits in 2008	UNTAX09 = 1	4.49	1.65	0.75	750	2.19	4.79
Has any credit cards in 2009	CRDANY09 = 1	61.17	2.85	1.78	750	1.60	2.57
Payoff credit card balance	CRDPAY09 = 1	41.63	3.64	2.25	480	1.62	2.62
Community service/volunteer work in last year	COMSRV09 = 1	29.24	2.69	1.66	750	1.62	2.64
Ever voted	VOTEVE09 = 1	83.83	2.02	1.41	690	1.44	2.06

See notes at end of table.

Table L-41. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for male, Hispanic or Latino students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.58	2.52
Minimum	†	†	†	†	†	1.23	1.52
25th percentile	†	†	†	†	†	1.46	2.13
Median	†	†	†	†	†	1.58	2.50
75th percentile	†	†	†	†	†	1.63	2.67
Maximum	†	†	†	†	†	2.19	4.79

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-42. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for male, Asian students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	30.71	4.28	2.46	350	1.74	3.02
Attained degree at any institution	PRATT6Y = 1, 2	48.55	4.43	2.67	350	1.66	2.76
No degree from any institution	PRATT6Y = 3, 4	51.45	4.43	2.67	350	1.66	2.76
Earned a bachelor's degree at first institution	PROUTFI6 = 1	23.96	2.92	2.28	350	1.28	1.64
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	8.46	2.25	1.49	350	1.51	2.29
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	38.53	3.69	2.60	350	1.42	2.02
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	10.02	2.49	1.60	350	1.55	2.42
No degree from last institution attended	PRLVL6Y = 4, 5, 6	51.45	4.43	2.67	350	1.66	2.76
Transferred at least once	TFNUM6Y > 0	47.64	4.33	2.67	350	1.62	2.63
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	41.14	3.81	2.63	350	1.45	2.11
Currently repaying education loans (for students with loans)	RPYSL09 = 0	44.97	6.01	4.00	160	1.50	2.26
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	32.26	4.34	3.61	170	1.20	1.45
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	88.45	3.52	2.17	220	1.62	2.62
Currently employed	JOBST09 = 1	73.18	4.05	3.03	210	1.34	1.79
Hold license or certification for job	JOBLCH09 = 1	75.08	10.62	7.77	30	1.37	1.87
Self-employed	JOBEMP09 = 6	10.11	3.90	2.35	170	1.66	2.76
Current job related to coursework	JOBRCR09 = 1	57.84	7.17	5.32	90	1.35	1.81
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	36.23	4.95	3.74	170	1.32	1.75
Satisfied with pay at first job	JOBS09H = 1	55.92	5.50	4.03	150	1.36	1.86
Employer offers medical insurance	JBEN09B = 1	81.01	4.03	3.18	150	1.27	1.61
Consider current job start of career	JOBCAR09 = 1	65.83	4.94	3.69	170	1.34	1.79
Currently looking for job, for unemployed	UNEMPL09 = 1	73.86	7.52	6.28	50	1.20	1.44
Ever employed for more than 3 months since undergraduate graduation	UNEMP09= 1	37.33	4.76	3.36	210	1.42	2.00
Receiving unemployment compensation	UNEMCP09= 1	28.94	10.29	7.78	30	1.32	1.75
Has a disability	DISABL09 = 1	8.57	1.82	1.49	350	1.22	1.48
Single, never married	SMAR09 = 1	88.67	2.54	1.69	350	1.50	2.25
Has any dependent children	DEPANY09 = 1	10.58	2.40	1.64	350	1.46	2.13
Received any untaxed benefits in 2008	UNTAX09 = 1	1.06	0.81	0.55	350	1.48	2.20
Has any credit cards in 2009	CRDANY09 = 1	81.53	4.16	2.07	350	2.01	4.02
Payoff credit card balance	CRDPAY09 = 1	57.69	4.10	2.89	290	1.42	2.02
Community service/volunteer work in last year	COMSRV09 = 1	31.41	4.49	2.48	350	1.81	3.28
Ever voted	VOTEVE09 = 1	76.37	4.18	2.59	270	1.61	2.61

See notes at end of table.

Table L-42. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for male, Asian students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.48	2.22
Minimum	†	†	†	†	†	1.20	1.44
25th percentile	†	†	†	†	†	1.34	1.79
Median	†	†	†	†	†	1.46	2.12
75th percentile	†	†	†	†	†	1.62	2.63
Maximum	†	†	†	†	†	2.01	4.02

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-43. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students that are male, other race/ethnicities including more than one race: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	21.47	3.50	2.22	340	1.58	2.50
Attained degree at any institution	PRATT6Y = 1, 2	42.14	3.48	2.67	340	1.31	1.71
No degree from any institution	PRATT6Y = 3, 4	57.86	3.48	2.67	340	1.31	1.71
Earned a bachelor's degree at first institution	PROUTFI6 = 1	18.80	2.38	2.11	340	1.13	1.28
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	11.78	2.48	1.74	340	1.42	2.03
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	26.82	2.88	2.39	340	1.21	1.45
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	15.32	2.77	1.94	340	1.42	2.03
No degree from last institution attended	PRLVL6Y = 4, 5, 6	57.86	3.48	2.67	340	1.31	1.71
Transferred at least once	TFNUM6Y > 0	33.72	3.62	2.55	340	1.42	2.01
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	47.46	4.10	2.70	340	1.52	2.31
Currently repaying education loans (for students with loans)	RPYSL09 = 0	47.50	5.31	3.83	170	1.39	1.92
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	13.58	3.69	3.17	120	1.16	1.36
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	76.79	4.91	3.15	180	1.56	2.44
Currently employed	JOBST09 = 1	75.83	3.72	2.64	260	1.41	1.98
Hold license or certification for job	JOBLCH09 = 1	83.30	7.63	6.13	40	1.24	1.55
Self-employed	JOBEMP09 = 6	2.21	1.09	1.03	210	1.06	1.12
Current job related to coursework	JOBRCR09 = 1	50.59	6.64	4.55	120	1.46	2.14
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	22.48	3.34	2.92	210	1.15	1.31
Satisfied with pay at first job	JOBS09H = 1	57.63	4.91	3.51	200	1.40	1.95
Employer offers medical insurance	JBEN09B = 1	73.61	4.29	3.13	200	1.37	1.87
Consider current job start of career	JOBCAR09 = 1	45.71	5.39	3.48	210	1.55	2.40
Currently looking for job, for unemployed	UNEMPL09 = 1	61.31	8.26	6.40	60	1.29	1.67
Ever employed for more than 3 months since undergraduate graduation	UNEMP09= 1	28.96	3.77	2.84	260	1.33	1.76
Receiving unemployment compensation	UNEMCP09= 1	24.41	9.20	7.06	40	1.30	1.70
Has a disability	DISABL09 = 1	17.01	2.68	2.03	340	1.32	1.74
Single, never married	SMAR09 = 1	71.84	3.56	2.43	340	1.47	2.15
Has any dependent children	DEPANY09 = 1	28.87	3.54	2.45	340	1.45	2.10
Received any untaxed benefits in 2008	UNTAX09 = 1	9.23	2.07	1.56	340	1.32	1.75
Has any credit cards in 2009	CRDANY09 = 1	57.40	3.97	2.67	340	1.49	2.21
Payoff credit card balance	CRDPAY09 = 1	53.73	5.19	3.47	210	1.49	2.23
Community service/volunteer work in last year	COMSRV09 = 1	30.28	3.54	2.48	340	1.43	2.04
Ever voted	VOTEVE09 = 1	86.16	2.47	1.90	330	1.30	1.70

See notes at end of table.

Table L-43. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students that are male, other race/ethnicities including more than one race: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.36	1.87
Minimum	†	†	†	†	†	1.06	1.12
25th percentile	†	†	†	†	†	1.30	1.70
Median	†	†	†	†	†	1.38	1.90
75th percentile	†	†	†	†	†	1.46	2.12
Maximum	†	†	†	†	†	1.58	2.50

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-44. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for female, White students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	17.50	0.79	0.49	6,040	1.62	2.62
Attained degree at any institution	PRATT6Y = 1, 2	56.69	0.94	0.64	6,040	1.47	2.15
No degree from any institution	PRATT6Y = 3, 4	43.31	0.94	0.64	6,040	1.47	2.15
Earned a bachelor's degree at first institution	PROUTFI6 = 1	27.37	0.95	0.57	6,040	1.66	2.75
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	17.44	0.76	0.49	6,040	1.55	2.40
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	37.20	1.01	0.62	6,040	1.62	2.62
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	19.48	0.84	0.51	6,040	1.64	2.69
No degree from last institution attended	PRLVL6Y = 4, 5, 6	43.31	0.94	0.64	6,040	1.47	2.15
Transferred at least once	TFNUM6Y > 0	29.91	0.78	0.59	6,040	1.33	1.76
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	54.70	1.14	0.64	6,040	1.78	3.18
Currently repaying education loans (for students with loans)	RPYSL09 = 0	56.68	1.37	0.85	3,370	1.61	2.58
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	31.21	1.24	0.89	2,710	1.39	1.94
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	78.54	1.21	0.67	3,760	1.80	3.25
Currently employed	JOBST09 = 1	82.68	0.94	0.58	4,260	1.62	2.62
Hold license or certification for job	JOBLCH09 = 1	92.89	1.53	0.91	790	1.68	2.81
Self-employed	JOBEMP09 = 6	3.17	0.53	0.30	3,520	1.80	3.24
Current job related to coursework	JOBRCR09 = 1	39.56	2.01	1.20	1,660	1.67	2.79
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	35.39	1.21	0.81	3,520	1.50	2.26
Satisfied with pay at first job	JOBS09H = 1	57.80	1.31	0.85	3,400	1.54	2.38
Employer offers medical insurance	JBEN09B = 1	78.33	1.11	0.71	3,400	1.57	2.47
Consider current job start of career	JOBCAR09 = 1	54.45	1.26	0.84	3,520	1.50	2.24
Currently looking for job, for unemployed	UNEMPL09 = 1	55.25	2.93	1.83	740	1.60	2.55
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	20.07	1.03	0.62	4,210	1.68	2.81
Receiving unemployment compensation	UNEMCP09 = 1	23.01	3.14	2.07	410	1.51	2.29
Has a disability	DISABL09 = 1	15.15	0.73	0.46	6,040	1.58	2.48
Single, never married	SMAR09 = 1	57.50	1.10	0.64	6,040	1.73	2.99
Has any dependent children	DEPANY09 = 1	33.60	1.14	0.61	6,040	1.88	3.52
Received any untaxed benefits in 2008	UNTAX09 = 1	8.64	0.65	0.36	6,040	1.79	3.22
Has any credit cards in 2009	CRDANY09 = 1	71.69	0.87	0.58	6,040	1.50	2.25
Payoff credit card balance	CRDPAY09 = 1	47.51	1.17	0.75	4,400	1.55	2.40
Community service/volunteer work in last year	COMSRV09 = 1	36.74	0.87	0.62	6,040	1.40	1.95
Ever voted	VOTEVE09 = 1	90.23	0.51	0.38	5,980	1.32	1.74

See notes at end of table.

Table L-44. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for female, White students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.59	2.54
Minimum	†	†	†	†	†	1.32	1.74
25th percentile	†	†	†	†	†	1.50	2.24
Median	†	†	†	†	†	1.59	2.52
75th percentile	†	†	†	†	†	1.67	2.80
Maximum	†	†	†	†	†	1.88	3.52

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-45. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for female, Black or African American students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	25.17	1.74	1.19	1,330	1.46	2.14
Attained degree at any institution	PRATT6Y = 1, 2	37.55	2.14	1.33	1,330	1.61	2.61
No degree from any institution	PRATT6Y = 3, 4	62.45	2.14	1.33	1,330	1.61	2.61
Earned a bachelor's degree at first institution	PROUTFI6 = 1	11.65	1.24	0.88	1,330	1.41	1.98
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	18.29	1.87	1.06	1,330	1.76	3.11
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	16.40	1.47	1.02	1,330	1.44	2.08
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	21.15	1.89	1.12	1,330	1.69	2.85
No degree from last institution attended	PRLVL6Y = 4, 5, 6	62.45	2.14	1.33	1,330	1.61	2.61
Transferred at least once	TFNUM6Y > 0	32.73	1.91	1.29	1,330	1.48	2.20
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	69.88	1.97	1.26	1,330	1.57	2.46
Currently repaying education loans (for students with loans)	RPYSL09 = 0	42.50	2.56	1.61	940	1.59	2.52
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	36.09	4.03	2.82	290	1.43	2.04
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	66.54	2.44	1.71	760	1.43	2.05
Currently employed	JOBST09 = 1	71.13	2.32	1.56	850	1.49	2.22
Hold license or certification for job	JOBLCH09 = 1	89.79	3.40	2.53	140	1.34	1.80
Self-employed	JOBEMP09 = 6	4.87	1.63	0.87	610	1.87	3.51
Current job related to coursework	JOBRCR09 = 1	47.35	3.64	2.46	410	1.48	2.18
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	25.15	2.88	1.76	610	1.64	2.69
Satisfied with pay at first job	JOBS09H = 1	54.81	3.11	2.05	590	1.51	2.30
Employer offers medical insurance	JBEN09B = 1	83.84	2.42	1.52	590	1.59	2.53
Consider current job start of career	JOBCAR09 = 1	49.67	3.29	2.02	610	1.63	2.65
Currently looking for job, for unemployed	UNEMPL09 = 1	61.21	4.93	3.17	240	1.56	2.42
Ever employed for more than 3 months since undergraduate graduation	UNEMP09= 1	40.50	2.94	1.71	830	1.72	2.96
Receiving unemployment compensation	UNEMCP09= 1	21.35	6.27	3.23	160	1.94	3.77
Has a disability	DISABL09 = 1	13.68	1.67	0.94	1,330	1.77	3.12
Single, never married	SMAR09 = 1	67.77	2.12	1.28	1,330	1.65	2.74
Has any dependent children	DEPANY09 = 1	58.25	2.29	1.35	1,330	1.69	2.86
Received any untaxed benefits in 2008	UNTAX09 = 1	28.04	2.42	1.23	1,330	1.96	3.84
Has any credit cards in 2009	CRDANY09 = 1	36.10	1.92	1.32	1,330	1.46	2.13
Payoff credit card balance	CRDPAY09 = 1	27.61	3.20	1.94	530	1.65	2.72
Community service/volunteer work in last year	COMSRV09 = 1	30.28	1.81	1.26	1,330	1.43	2.05
Ever voted	VOTEVE09 = 1	93.28	1.20	0.70	1,270	1.71	2.91

See notes at end of table.

Table L-45. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for female, Black or African American students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.60	2.58
Minimum	†	†	†	†	†	1.34	1.80
25th percentile	†	†	†	†	†	1.47	2.16
Median	†	†	†	†	†	1.60	2.57
75th percentile	†	†	†	†	†	1.69	2.86
Maximum	†	†	†	†	†	1.96	3.84

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-46. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for female, Hispanic or Latino students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	23.29	1.75	1.20	1,240	1.46	2.14
Attained degree at any institution	PRATT6Y = 1, 2	42.70	2.59	1.40	1,240	1.85	3.41
No degree from any institution	PRATT6Y = 3, 4	57.30	2.59	1.40	1,240	1.85	3.41
Earned a bachelor's degree at first institution	PROUTFI6 = 1	11.37	1.05	0.90	1,240	1.16	1.35
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	24.27	2.40	1.22	1,240	1.97	3.87
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	17.17	1.32	1.07	1,240	1.23	1.51
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	25.52	2.40	1.24	1,240	1.94	3.75
No degree from last institution attended	PRLVL6Y = 4, 5, 6	57.30	2.59	1.40	1,240	1.85	3.41
Transferred at least once	TFNUM6Y > 0	28.69	1.75	1.28	1,240	1.37	1.87
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	50.52	2.41	1.42	1,240	1.70	2.88
Currently repaying education loans (for students with loans)	RPYSL09 = 0	52.03	2.97	1.94	660	1.53	2.33
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	29.40	3.99	2.65	300	1.50	2.26
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	72.00	3.01	1.76	650	1.72	2.94
Currently employed	JOBST09 = 1	73.98	2.22	1.48	880	1.50	2.25
Hold license or certification for job	JOBLCH09 = 1	88.88	4.46	2.62	140	1.70	2.90
Self-employed	JOBEMP09 = 6	2.05	0.74	0.56	650	1.33	1.76
Current job related to coursework	JOBRCR09 = 1	40.22	3.30	2.32	450	1.43	2.03
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	20.96	2.23	1.60	650	1.39	1.95
Satisfied with pay at first job	JOBS09H = 1	57.04	3.20	1.98	630	1.62	2.63
Employer offers medical insurance	JBEN09B = 1	77.35	2.45	1.67	630	1.47	2.15
Consider current job start of career	JOBCAR09 = 1	46.52	2.89	1.96	650	1.48	2.18
Currently looking for job, for unemployed	UNEMPL09 = 1	63.79	6.20	3.14	230	1.97	3.89
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	34.83	2.55	1.62	860	1.57	2.47
Receiving unemployment compensation	UNEMCP09 = 1	26.47	4.74	3.50	160	1.35	1.83
Has a disability	DISABL09 = 1	11.42	1.31	0.90	1,240	1.46	2.12
Single, never married	SMAR09 = 1	56.15	2.22	1.41	1,240	1.58	2.48
Has any dependent children	DEPANY09 = 1	50.38	2.54	1.42	1,240	1.79	3.19
Received any untaxed benefits in 2008	UNTAX09 = 1	12.56	1.49	0.94	1,240	1.58	2.50
Has any credit cards in 2009	CRDANY09 = 1	63.86	2.25	1.36	1,240	1.65	2.72
Payoff credit card balance	CRDPAY09 = 1	35.25	2.26	1.69	800	1.34	1.80
Community service/volunteer work in last year	COMSRV09 = 1	24.06	1.61	1.21	1,240	1.33	1.76
Ever voted	VOTEVE09 = 1	85.14	1.73	1.06	1,130	1.63	2.67

See notes at end of table.

Table L-46. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for female, Hispanic or Latino students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.57	2.51
Minimum	†	†	†	†	†	1.16	1.35
25th percentile	†	†	†	†	†	1.41	1.99
Median	†	†	†	†	†	1.55	2.40
75th percentile	†	†	†	†	†	1.71	2.92
Maximum	†	†	†	†	†	1.97	3.89

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-47. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for female, Asian students: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	14.80	2.50	1.78	400	1.41	1.98
Attained degree at any institution	PRATT6Y = 1, 2	69.03	3.61	2.31	400	1.56	2.44
No degree from any institution	PRATT6Y = 3, 4	30.97	3.61	2.31	400	1.56	2.44
Earned a bachelor's degree at first institution	PROUTFI6 = 1	40.80	3.41	2.46	400	1.39	1.92
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	12.19	2.20	1.64	400	1.34	1.80
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	52.97	3.76	2.50	400	1.50	2.26
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	16.06	2.81	1.84	400	1.53	2.34
No degree from last institution attended	PRLVL6Y = 4, 5, 6	30.97	3.61	2.31	400	1.56	2.44
Transferred at least once	TFNUM6Y > 0	32.06	3.28	2.34	400	1.40	1.97
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	43.36	3.53	2.48	400	1.42	2.02
Currently repaying education loans (for students with loans)	RPYSL09 = 0	55.53	5.14	3.77	170	1.36	1.86
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	29.19	3.90	3.05	220	1.28	1.63
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	87.04	3.42	2.16	240	1.58	2.51
Currently employed	JOBST09 = 1	76.77	3.56	2.56	270	1.39	1.94
Hold license or certification for job	JOBLCH09 = 1	85.28	7.95	5.34	40	1.49	2.21
Self-employed	JOBEMP09 = 6	4.38	2.10	1.41	210	1.49	2.23
Current job related to coursework	JOBRCR09 = 1	42.31	6.31	5.18	90	1.22	1.48
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	49.61	4.46	3.44	210	1.30	1.68
Satisfied with pay at first job	JOBS09H = 1	52.79	3.99	3.47	210	1.15	1.32
Employer offers medical insurance	JBEN09B = 1	73.09	4.48	3.08	210	1.45	2.11
Consider current job start of career	JOBCAR09 = 1	55.45	4.37	3.42	210	1.28	1.63
Currently looking for job, for unemployed	UNEMPL09 = 1	77.81	7.05	5.32	60	1.33	1.76
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	26.47	3.55	2.71	270	1.31	1.71
Receiving unemployment compensation	UNEMCP09 = 1	8.48	5.23	4.25	40	1.23	1.51
Has a disability	DISABL09 = 1	6.89	1.58	1.27	400	1.25	1.56
Single, never married	SMAR09 = 1	74.72	3.28	2.18	400	1.51	2.27
Has any dependent children	DEPANY09 = 1	16.92	3.15	1.88	400	1.68	2.82
Received any untaxed benefits in 2008	UNTAX09 = 1	4.93	1.63	1.08	400	1.51	2.27
Has any credit cards in 2009	CRDANY09 = 1	81.25	2.75	1.95	400	1.41	1.98
Payoff credit card balance	CRDPAY09 = 1	64.61	4.17	2.65	330	1.57	2.47
Community service/volunteer work in last year	COMSRV09 = 1	40.44	3.19	2.46	400	1.30	1.69
Ever voted	VOTEVE09 = 1	78.73	2.84	2.29	320	1.24	1.55

See notes at end of table.

Table L-47. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for female, Asian students: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.41	1.99
Minimum	†	†	†	†	†	1.15	1.32
25th percentile	†	†	†	†	†	1.30	1.69
Median	†	†	†	†	†	1.41	1.97
75th percentile	†	†	†	†	†	1.51	2.27
Maximum	†	†	†	†	†	1.68	2.82

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-48. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students that are female, other race/ethnicities including more than one race: 2009

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Still enrolled at any institution	PRATT6Y = 1, 3	29.92	3.19	2.08	490	1.53	2.35
Attained degree at any institution	PRATT6Y = 1, 2	43.79	3.50	2.25	490	1.55	2.41
No degree from any institution	PRATT6Y = 3, 4	56.21	3.50	2.25	490	1.55	2.41
Earned a bachelor's degree at first institution	PROUTFI6 = 1	21.25	2.98	1.86	490	1.61	2.58
Earned a certificate or associate's degree (any non-BA degree) at first institution	PROUTFI6 = 2, 3	13.16	2.26	1.53	490	1.48	2.18
Earned a bachelor's degree at last institution attended	PRLVL6Y = 1	27.58	3.03	2.03	490	1.49	2.23
Earned a certificate or associate's degree (any non-BA degree) at last institution attended	PRLVL6Y = 2, 3	16.21	2.62	1.67	490	1.57	2.46
No degree from last institution attended	PRLVL6Y = 4, 5, 6	56.21	3.50	2.25	490	1.55	2.41
Transferred at least once	TFNUM6Y > 0	34.87	3.80	2.16	490	1.76	3.09
Received any loans (Stafford, Perkins, or PLUS) through June 2009	T4TCUM09 > 0	56.61	3.07	2.25	490	1.37	1.87
Currently repaying education loans (for students with loans)	RPYSL09 = 0	56.34	5.22	3.00	270	1.74	3.03
Enrolled in degree or certification program since earning bachelor's degree	GRDEG09 = 1	28.27	5.22	3.62	160	1.44	2.08
Primarily a student working to pay expenses (for students enrolled and employed)	SEROLE09 = 1	79.74	4.33	2.37	290	1.83	3.34
Currently employed	JOBST09 = 1	73.71	3.70	2.45	320	1.51	2.28
Hold license or certification for job	JOBLCH09 = 1	90.80	5.07	3.64	60	1.39	1.94
Self-employed	JOBEMP09 = 6	4.52	1.98	1.35	240	1.47	2.15
Current job related to coursework	JOBRCR09 = 1	17.99	4.82	3.23	140	1.49	2.22
Employer required 2-year or 4-year college degree	JOBRDG09 = 1	25.00	3.75	2.81	240	1.33	1.78
Satisfied with pay at first job	JOBS09H = 1	52.52	5.97	3.32	230	1.80	3.23
Employer offers medical insurance	JBEN09B = 1	75.38	4.38	2.87	230	1.53	2.34
Consider current job start of career	JOBCAR09 = 1	51.42	5.43	3.25	240	1.67	2.80
Currently looking for job, for unemployed	UNEMPL09 = 1	59.45	8.39	5.29	90	1.59	2.51
Ever employed for more than 3 months since undergraduate graduation	UNEMPG09 = 1	27.66	3.87	2.55	310	1.51	2.29
Receiving unemployment compensation	UNEMCP09 = 1	21.32	7.01	5.29	60	1.33	1.76
Has a disability	DISABL09 = 1	17.62	2.70	1.73	490	1.56	2.45
Single, never married	SMAR09 = 1	63.93	3.45	2.18	490	1.59	2.51
Has any dependent children	DEPANY09 = 1	36.82	3.81	2.19	490	1.74	3.04
Received any untaxed benefits in 2008	UNTAX09 = 1	12.50	2.33	1.50	490	1.56	2.42
Has any credit cards in 2009	CRDANY09 = 1	56.11	3.45	2.25	490	1.53	2.34
Payoff credit card balance	CRDPAY09 = 1	40.32	3.87	2.83	300	1.37	1.87
Community service/volunteer work in last year	COMSRV09 = 1	36.32	3.52	2.18	490	1.61	2.60
Ever voted	VOTEVE09 = 1	85.30	2.95	1.64	470	1.80	3.24

See notes at end of table.

Table L-48. Design effects for selected variables using the BPS:04/09 panel weight (WTB000) for students that are female, other race/ethnicities including more than one race: 2009—Continued

Variable description	Definition	Percent estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	1.56	2.44
Minimum	†	†	†	†	†	1.33	1.76
25th percentile	†	†	†	†	†	1.48	2.20
Median	†	†	†	†	†	1.55	2.41
75th percentile	†	†	†	†	†	1.61	2.59
Maximum	†	†	†	†	†	1.83	3.34

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-49. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for all students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.56	0.03	0.02	16,840	1.30	1.69
Total non-course credits	QBTLNCCR	0.90	0.05	0.03	16,680	1.59	2.53
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	78.62	0.42	0.31	16,960	1.32	1.74
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	19.52	0.44	0.30	16,960	1.44	2.08
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	16.76	0.38	0.29	16,960	1.33	1.76
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	7.09	0.32	0.20	16,960	1.65	2.71
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	60.13	1.26	0.38	16,960	3.36	11.27
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	58.33	1.13	0.38	16,960	2.99	8.95
Enrolled in 2009	QDEN2009=1	15.93	0.45	0.29	16,440	1.59	2.53
Total schools attended	QDSCHTOT	1.57	0.02	0.01	16,960	2.88	8.29
Count of stopouts longer than 5 months	QDGT5STP	0.33	0.01	#	16,370	1.87	3.49
Total elapsed stopout time	QDGTOTSTP	18.74	0.29	0.20	4,180	1.42	2.02
Elapsed time from entry to first award	QDFA2AW1	40.43	0.34	0.18	8,540	1.96	3.83
Elapsed time from entry to bachelor's degree	QDFA2BCH	49.56	0.26	0.12	5,770	2.24	5.01
Total months enrolled	QDTOTMON	30.97	0.28	0.14	16,410	2.04	4.16
STEM courses: credits earned	QESTMERN	18.34	0.33	0.19	16,690	1.75	3.05
Non-STEM courses: credits earned	QENSTERN	56.69	0.57	0.34	16,600	1.69	2.86
First and second years combined: credits earned	QE12ERN	37.35	0.37	0.19	16,110	1.98	3.93
GPA at all institutions attended	QEGPAALL	2.75	0.01	0.01	16,110	2.12	4.49
Number of courses with repeats	QETCSRPT	0.64	0.03	0.01	16,900	2.12	4.48
Remedial courses: number taken	QETOTR	1.25	0.03	0.02	16,900	2.31	5.33
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	18.54	0.95	0.41	8,940	2.32	5.39
Highest degree attained = Associate's degree	QFHGHDEG2=1	20.63	0.91	0.43	8,940	2.14	4.56

See notes at end of table.

Table L-49. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for all students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	60.83	0.93	0.52	8,940	1.79	3.21
Any degree attained	QFANYDEG=1	47.79	0.71	0.38	16,960	1.84	3.39
Summary statistics							
Mean	†	†	†	†	†	1.96	4.11
Minimum	†	†	†	†	†	1.30	1.69
25th percentile	†	†	†	†	†	1.59	2.53
Median	†	†	†	†	†	1.87	3.49
75th percentile	†	†	†	†	†	2.14	4.56
Maximum	†	†	†	†	†	3.36	11.27

† Not applicable.

Rounds to zero.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-50. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students whose base year institution was public, 2-year: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.08	0.02	0.01	5,800	1.49	2.21
Total non-course credits	QBTLNCCR	0.34	0.08	0.03	5,780	2.39	5.70
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	99.65	0.11	0.08	5,820	1.45	2.11
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	6.44	0.87	0.32	5,820	2.69	7.24
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	5.38	0.52	0.30	5,820	1.74	3.04
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	1.95	0.44	0.18	5,820	2.43	5.89
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	29.24	2.00	0.60	5,820	3.36	11.27
Enrolled in 2009	QDEN2009=1	19.56	0.88	0.52	5,780	1.68	2.83
Total schools attended	QDSCHTOT	1.57	0.04	0.01	5,820	3.52	12.37
Count of stopouts longer than 5 months	QDGT5STP	0.45	0.02	0.01	5,760	1.70	2.89
Total elapsed stopout time	QDTOTSTP	19.15	0.40	0.29	2,100	1.38	1.91
Elapsed time from entry to first award	QDFA2AW1	37.48	0.75	0.39	1,960	1.93	3.74
Elapsed time from entry to bachelor's degree	QDFA2BCH	52.92	1.35	0.48	680	2.81	7.88
Total months enrolled	QDTOTMON	27.68	0.49	0.23	5,770	2.13	4.52
STEM courses: credits earned	QESTMERN	13.98	0.42	0.24	5,770	1.72	2.96
Non-STEM courses: credits earned	QENSTERN	42.52	0.87	0.50	5,780	1.75	3.05
First and second years combined: credits earned	QE12ERN	27.56	0.50	0.28	5,710	1.79	3.19
GPA at all institutions attended	QEGPAALL	2.61	0.03	0.01	5,590	2.04	4.16
Number of courses with repeats	QETCSRPT	0.62	0.05	0.02	5,810	2.26	5.10
Remedial courses: number taken	QETOTR	1.90	0.07	0.03	5,810	2.23	4.98
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	21.33	2.04	0.91	2,010	2.24	5.00
Highest degree attained = Associate's degree	QFHGHDEG2=1	45.15	1.59	1.11	2,010	1.43	2.05
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	33.53	1.98	1.05	2,010	1.88	3.52
Any degree attained	QFANYDEG=1	32.15	0.96	0.61	5,820	1.57	2.46

See notes at end of table.

Table L-50. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students whose base year institution was public, 2-year: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Summary statistics							
Mean	†	†	†	†	†	2.07	4.59
Minimum	†	†	†	†	†	1.38	1.91
25th percentile	†	†	†	†	†	1.69	2.86
Median	†	†	†	†	†	1.91	3.63
75th percentile	†	†	†	†	†	2.32	5.40
Maximum	†	†	†	†	†	3.52	12.37

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-51. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students whose base year institution was public, 4-year: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	1.17	0.09	0.07	4,500	1.23	1.52
Total non-course credits	QBTLNCCR	1.61	0.09	0.08	4,450	1.16	1.35
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	99.82	0.06	0.06	4,550	1.00	1.01
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	6.29	0.46	0.36	4,550	1.28	1.63
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	2.25	0.28	0.22	4,550	1.28	1.63
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	0.39	0.08	0.09	4,550	0.92	0.85
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	31.11	1.04	0.69	4,550	1.51	2.28
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	99.59	0.15	0.09	4,550	1.57	2.46
Enrolled in 2009	QDEN2009=1	15.96	0.68	0.54	4,520	1.25	1.56
Total schools attended	QDSCHTOT	1.68	0.02	0.01	4,550	1.52	2.31
Count of stopouts longer than 5 months	QDGT5STP	0.25	0.02	0.01	4,510	1.93	3.74
Total elapsed stopout time	QDGT5STP	16.98	0.54	0.39	950	1.39	1.93
Elapsed time from entry to first award	QDFA2AW1	48.85	0.24	0.18	2,740	1.30	1.69
Elapsed time from entry to bachelor's degree	QDFA2BCH	49.86	0.20	0.16	2,520	1.25	1.56
Total months enrolled	QDTOTMON	39.75	0.36	0.23	4,520	1.58	2.49
STEM courses: credits earned	QESTMERN	27.06	0.49	0.44	4,520	1.12	1.24
Non-STEM courses: credits earned	QENSTERN	78.31	1.11	0.64	4,520	1.75	3.06
First and second years combined: credits earned	QE12ERN	47.54	0.61	0.31	4,510	1.96	3.84
GPA at all institutions attended	QEGPAALL	2.81	0.02	0.01	4,500	1.73	2.99
Number of courses with repeats	QETCSRPT	0.82	0.05	0.03	4,520	1.56	2.42
Remedial courses: number taken	QETOTR	0.83	0.05	0.02	4,520	2.32	5.40
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	1.86	0.32	0.26	2,760	1.23	1.52
Highest degree attained = Associate's degree	QFHGHDEG2=1	5.66	0.77	0.44	2,760	1.76	3.09

See notes at end of table.

Table L-51. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students whose base year institution was public, 4-year: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	92.48	0.81	0.50	2,760	1.61	2.58
Any degree attained	QFANYDEG=1	59.79	1.32	0.73	4,550	1.82	3.30
Summary statistics							
Mean	†	†	†	†	†	1.48	2.30
Minimum	†	†	†	†	†	0.92	0.85
25th percentile	†	†	†	†	†	1.25	1.56
Median	†	†	†	†	†	1.51	2.28
75th percentile	†	†	†	†	†	1.73	2.99
Maximum	†	†	†	†	†	2.32	5.40

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-52. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students whose base year institution was private nonprofit, 4-year: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	1.47	0.12	0.08	3,610	1.51	2.28
Total non-course credits	QBTLNCCR	2.07	0.15	0.10	3,580	1.59	2.54
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	37.06	1.58	0.80	3,650	1.98	3.91
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	98.46	0.37	0.20	3,650	1.79	3.21
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	1.89	0.43	0.23	3,650	1.91	3.65
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	0.37	0.18	0.10	3,650	1.75	3.05
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	24.60	1.22	0.71	3,650	1.70	2.91
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	99.02	0.36	0.16	3,650	2.19	4.78
Enrolled in 2009	QDEN2009=1	10.76	0.95	0.51	3,640	1.85	3.43
Total schools attended	QDSCHTOT	1.70	0.03	0.01	3,650	1.79	3.21
Count of stopouts longer than 5 months	QDGT5STP	0.23	0.02	0.01	3,630	1.97	3.89
Total elapsed stopout time	QDTOTSTP	16.57	0.83	0.43	680	1.94	3.77
Elapsed time from entry to first award	QDFA2AW1	45.27	0.58	0.19	2,580	3.09	9.53
Elapsed time from entry to bachelor's degree	QDFA2BCH	47.30	0.26	0.14	2,440	1.87	3.50
Total months enrolled	QDTOTMON	36.87	0.59	0.22	3,630	2.62	6.89
STEM courses: credits earned	QESTMERN	23.83	1.22	0.47	3,610	2.58	6.68
Non-STEM courses: credits earned	QENSTERN	81.89	1.43	0.69	3,620	2.07	4.27
First and second years combined: credits earned	QE12ERN	50.64	0.67	0.33	3,590	2.00	4.00
GPA at all institutions attended	QEGPAALL	3.02	0.03	0.01	3,580	2.07	4.30
Number of courses with repeats	QETCSRPT	0.56	0.06	0.03	3,650	1.69	2.85
Remedial courses: number taken	QETOTR	0.64	0.06	0.03	3,650	2.51	6.30
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	1.11	0.33	0.20	2,610	1.60	2.57
Highest degree attained = Associate's degree	QFHGHDEG2=1	6.12	1.32	0.47	2,610	2.81	7.90

See notes at end of table.

Table L-52. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students whose base year institution was private nonprofit, 4-year: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	92.77	1.28	0.51	2,610	2.53	6.38
Any degree attained	QFANYDEG=1	67.35	1.56	0.78	3,650	2.00	4.02
Summary statistics							
Mean	†	†	†	†	†	2.06	4.39
Minimum	†	†	†	†	†	1.51	2.28
25th percentile	†	†	†	†	†	1.79	3.21
Median	†	†	†	†	†	1.97	3.89
75th percentile	†	†	†	†	†	2.19	4.78
Maximum	†	†	†	†	†	3.09	9.53

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-53. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students whose base year institution was private-for-profit, 2-year or less: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	#	#	#	1,670	0.50	0.25
Total non-course credits	QBTLNCCR	0.09	0.05	0.04	1,630	1.43	2.03
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	14.89	1.62	0.87	1,670	1.86	3.45
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	1.57	0.82	0.30	1,670	2.69	7.26
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	98.32	0.60	0.31	1,670	1.92	3.69
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	47.82	3.63	1.22	1,670	2.98	8.85
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	54.36	4.05	1.22	1,670	3.32	11.05
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	12.47	2.90	0.81	1,670	3.59	12.89
Enrolled in 2009	QDEN2009=1	9.89	1.45	0.81	1,370	1.79	3.22
Total schools attended	QDSCHTOT	1.26	0.03	0.01	1,670	2.31	5.33
Count of stopouts longer than 5 months	QDGT5STP	0.17	0.02	0.01	1,340	1.88	3.55
Total elapsed stopout time	QDTOTSTP	25.59	1.30	1.15	200	1.13	1.28
Elapsed time from entry to first award	QDFA2AW1	15.27	1.00	0.37	760	2.71	7.33
Elapsed time from entry to bachelor's degree	QDFA2BCH	50.70	1.98	1.57	20	1.26	1.59
Total months enrolled	QDTOTMON	14.92	0.64	0.28	1,360	2.26	5.10
STEM courses: credits earned	QESTMERN	8.18	1.01	0.33	1,580	3.08	9.50
Non-STEM courses: credits earned	QENSTERN	29.93	1.40	0.67	1,480	2.08	4.33
First and second years combined: credits earned	QE12ERN	31.37	1.67	0.67	1,190	2.47	6.12
GPA at all institutions attended	QEGPAALL	2.78	0.06	0.03	1,330	2.16	4.66
Number of courses with repeats	QETCSRPT	0.32	0.06	0.03	1,670	1.85	3.43
Remedial courses: number taken	QETOTR	0.62	0.09	0.03	1,670	2.64	6.95
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	80.35	4.28	1.27	980	3.36	11.32
Highest degree attained = Associate's degree	QFHGHDEG2=1	18.80	4.23	1.25	980	3.38	11.41

See notes at end of table.

Table L-53. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students whose base year institution was private for-profit, 2-year or less: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	0.85	0.29	0.29	980	0.98	0.95
Any degree attained	QFANYDEG=1	56.22	2.01	1.21	1,670	1.66	2.75
Summary statistics							
Mean	†	†	†	†	†	2.21	5.53
Minimum	†	†	†	†	†	0.50	0.25
25th percentile	†	†	†	†	†	1.79	3.22
Median	†	†	†	†	†	2.16	4.66
75th percentile	†	†	†	†	†	2.71	7.33
Maximum	†	†	†	†	†	3.59	12.89

† Not applicable.

Rounds to zero.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-54. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students whose base year institution was private for-profit, 4 year: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.04	0.04	0.02	400	1.76	3.08
Total non-course credits	QBTLNCCR	0.56	0.37	0.19	400	1.96	3.83
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	13.59	2.87	1.72	400	1.67	2.80
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	1.51	0.81	0.61	400	1.32	1.75
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	99.80	0.17	0.22	400	0.76	0.57
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	1.69	1.07	0.65	400	1.66	2.76
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	13.09	2.69	1.69	400	1.59	2.54
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	99.86	0.11	0.19	400	0.59	0.34
Enrolled in 2009	QDEN2009=1	8.32	2.10	1.38	400	1.52	2.30
Total schools attended	QDSCHTOT	1.32	0.05	0.03	400	1.61	2.59
Count of stopouts longer than 5 months	QDGT5STP	0.23	0.04	0.03	400	1.55	2.39
Total elapsed stopout time	QDTOTSTP	19.10	1.79	1.30	90	1.38	1.91
Elapsed time from entry to first award	QDFA2AW1	33.08	2.22	1.04	160	2.13	4.52
Elapsed time from entry to bachelor's degree	QDFA2BCH	47.48	2.25	1.15	60	1.95	3.80
Total months enrolled	QDTOTMON	25.08	1.43	0.75	400	1.90	3.61
STEM courses: credits earned	QESTMERN	16.00	3.59	1.18	400	3.05	9.29
Non-STEM courses: credits earned	QENSTERN	45.45	5.31	2.09	400	2.54	6.44
First and second years combined: credits earned	QE12ERN	40.77	3.27	1.47	400	2.22	4.94
GPA at all institutions attended	QEGPAALL	2.66	0.11	0.05	380	2.31	5.31
Number of courses with repeats	QETCSRPT	0.85	0.26	0.10	400	2.69	7.22
Remedial courses: number taken	QETOTR	0.92	0.21	0.07	400	3.01	9.07
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	6.05	2.78	1.90	160	1.47	2.15
Highest degree attained = Associate's degree	QFHGHDEG2=1	56.09	7.81	3.95	160	1.98	3.91

See notes at end of table.

Table L-54. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students whose base year institution was private for-profit, 4 year: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	37.86	8.34	3.86	160	2.16	4.67
Any degree attained	QFANYDEG=1	40.21	4.34	2.45	400	1.77	3.13
Summary statistics							
Mean	†	†	†	†	†	1.86	3.80
Minimum	†	†	†	†	†	0.59	0.34
25th percentile	†	†	†	†	†	1.55	2.39
Median	†	†	†	†	†	1.77	3.13
75th percentile	†	†	†	†	†	2.16	4.67
Maximum	†	†	†	†	†	3.05	9.29

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-55. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students whose base year institution was public less-than-2-year or private nonprofit 2-year or less: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.04	0.05	0.02	860	2.17	4.72
Total non-course credits	QBTLNCCR	0.15	0.09	0.04	850	2.04	4.15
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	66.37	2.91	1.60	870	1.82	3.31
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	40.42	4.37	1.66	870	2.63	6.91
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	11.40	4.49	1.08	870	4.18	17.45
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	46.81	4.57	1.69	870	2.70	7.31
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	55.15	5.78	1.68	870	3.43	11.77
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	19.98	5.13	1.35	870	3.79	14.35
Enrolled in 2009	QDEN2009=1	12.16	3.06	1.20	740	2.55	6.50
Total schools attended	QDSCHTOT	1.40	0.08	0.03	870	2.90	8.43
Count of stopouts longer than 5 months	QDGT5STP	0.19	0.05	0.02	730	2.64	6.96
Total elapsed stopout time	QDTOTSTP	18.74	3.01	1.16	150	2.59	6.73
Elapsed time from entry to first award	QDFA2AW1	22.06	2.23	0.88	350	2.53	6.41
Elapsed time from entry to bachelor's degree	QDFA2BCH	55.93	3.79	1.54	50	2.46	6.07
Total months enrolled	QDTOTMON	19.74	1.43	0.54	740	2.66	7.07
STEM courses: credits earned	QESTMERN	10.55	1.93	0.63	820	3.05	9.33
Non-STEM courses: credits earned	QENSTERN	37.72	3.52	1.25	810	2.83	7.98
First and second years combined: credits earned	QE12ERN	33.21	2.59	0.86	710	3.02	9.12
GPA at all institutions attended	QEGPAALL	2.87	0.10	0.04	730	2.79	7.80
Number of courses with repeats	QETCSRPT	0.42	0.15	0.06	860	2.62	6.89
Remedial courses: number taken	QETOTR	1.22	0.23	0.07	860	3.26	10.64
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	64.10	6.36	2.30	440	2.76	7.64
Highest degree attained = Associate's degree	QFHGHDEG2=1	25.33	5.84	2.09	440	2.80	7.85

See notes at end of table.

Table L-55. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students whose base year institution was public less-than-2-year or private nonprofit 2-year or less: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	10.57	4.14	1.47	440	2.81	7.87
Any degree attained	QFANYDEG=1	52.72	4.84	1.69	870	2.86	8.19
Summary statistics							
Mean	†	†	†	†	†	2.80	8.06
Minimum	†	†	†	†	†	1.82	3.31
25th percentile	†	†	†	†	†	2.59	6.73
Median	†	†	†	†	†	2.76	7.64
75th percentile	†	†	†	†	†	2.90	8.43
Maximum	†	†	†	†	†	4.18	17.45

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-56. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for male students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.61	0.05	0.04	7,030	1.13	1.27
Total non-course credits	QBTLNCCR	1.04	0.09	0.06	6,970	1.66	2.77
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	80.05	0.96	0.47	7,090	2.03	4.11
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	19.43	0.66	0.47	7,090	1.41	1.99
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	14.01	0.89	0.41	7,090	2.16	4.68
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	4.36	0.42	0.24	7,090	1.74	3.01
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	60.16	1.50	0.58	7,090	2.58	6.63
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	60.08	1.57	0.58	7,090	2.70	7.28
Enrolled in 2009	QDEN2009=1	16.13	0.73	0.44	6,910	1.65	2.71
Total schools attended	QDSCHTOT	1.56	0.02	0.01	7,090	2.51	6.32
Count of stopouts longer than 5 months	QDGT5STP	0.33	0.01	0.01	6,890	1.74	3.01
Total elapsed stopout time	QDTOTSTP	18.64	0.51	0.31	1,720	1.65	2.72
Elapsed time from entry to first award	QDFA2AW1	41.44	0.53	0.28	3,360	1.92	3.71
Elapsed time from entry to bachelor's degree	QDFA2BCH	50.28	0.39	0.20	2,350	1.97	3.86
Total months enrolled	QDTOTMON	30.80	0.38	0.21	6,900	1.80	3.25
STEM courses: credits earned	QESTMERN	21.65	0.59	0.34	7,000	1.73	3.00
Non-STEM courses: credits earned	QENSTERN	53.18	0.86	0.51	6,980	1.67	2.79
First and second years combined: credits earned	QE12ERN	37.21	0.56	0.29	6,810	1.90	3.60
GPA at all institutions attended	QEGPAALL	2.63	0.02	0.01	6,790	1.68	2.82
Number of courses with repeats	QETCSRPT	0.67	0.04	0.02	7,060	1.68	2.83
Remedial courses: number taken	QETOTR	1.19	0.04	0.02	7,060	1.72	2.94
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	14.85	1.36	0.60	3,490	2.25	5.07
Highest degree attained = Associate's degree	QFHGHDEG2=1	22.34	1.54	0.71	3,490	2.19	4.78

See notes at end of table.

Table L-56. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for male students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	62.81	1.53	0.82	3,490	1.86	3.47
Any degree attained	QFANYDEG=1	44.54	0.93	0.59	7,090	1.57	2.47
Summary statistics							
Mean	†	†	†	†	†	1.88	3.64
Minimum	†	†	†	†	†	1.13	1.27
25th percentile	†	†	†	†	†	1.67	2.79
Median	†	†	†	†	†	1.74	3.01
75th percentile	†	†	†	†	†	2.03	4.11
Maximum	†	†	†	†	†	2.70	7.28

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-57. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for female students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.52	0.04	0.03	9,810	1.31	1.71
Total non-course credits	QBTLNCCR	0.79	0.05	0.04	9,710	1.35	1.82
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	77.56	0.63	0.42	9,870	1.51	2.28
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	19.59	0.64	0.40	9,870	1.60	2.55
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	18.80	0.74	0.39	9,870	1.89	3.58
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	9.12	0.41	0.29	9,870	1.40	1.97
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	60.10	1.38	0.49	9,870	2.79	7.79
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	57.04	1.19	0.50	9,870	2.39	5.70
Enrolled in 2009	QDEN2009=1	15.78	0.53	0.37	9,530	1.42	2.03
Total schools attended	QDSCHTOT	1.58	0.02	0.01	9,870	2.23	4.99
Count of stopouts longer than 5 months	QDGT5STP	0.33	0.01	0.01	9,480	1.65	2.73
Total elapsed stopout time	QDTOTSTP	18.82	0.37	0.27	2,460	1.37	1.88
Elapsed time from entry to first award	QDFA2AW1	39.76	0.41	0.23	5,180	1.81	3.29
Elapsed time from entry to bachelor's degree	QDFA2BCH	49.06	0.27	0.14	3,420	1.87	3.50
Total months enrolled	QDTOTMON	31.09	0.34	0.18	9,510	1.92	3.68
STEM courses: credits earned	QESTMERN	15.87	0.32	0.20	9,690	1.57	2.48
Non-STEM courses: credits earned	QENSTERN	59.31	0.71	0.45	9,630	1.57	2.47
First and second years combined: credits earned	QE12ERN	37.46	0.45	0.24	9,300	1.87	3.49
GPA at all institutions attended	QEGPAALL	2.84	0.02	0.01	9,330	2.10	4.39
Number of courses with repeats	QETCSRPT	0.61	0.04	0.02	9,840	1.91	3.65
Remedial courses: number taken	QETOTR	1.30	0.05	0.02	9,840	2.29	5.24
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	20.96	1.13	0.55	5,460	2.05	4.22
Highest degree attained = Associate's degree	QFHGHDEG2=1	19.51	1.02	0.54	5,460	1.90	3.61

See notes at end of table.

Table L-57. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for female students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	59.53	1.15	0.66	5,460	1.73	3.00
Any degree attained	QFANYDEG=1	50.20	0.87	0.50	9,870	1.73	2.98
Summary statistics							
Mean	†	†	†	†	†	1.81	3.40
Minimum	†	†	†	†	†	1.31	1.71
25th percentile	†	†	†	†	†	1.57	2.47
Median	†	†	†	†	†	1.81	3.29
75th percentile	†	†	†	†	†	1.92	3.68
Maximum	†	†	†	†	†	2.79	7.79

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-58. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for White students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.61	0.04	0.03	10,750	1.26	1.60
Total non-course credits	QBTLNCCR	0.94	0.05	0.04	10,650	1.30	1.69
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	81.43	0.71	0.37	10,820	1.90	3.59
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	21.83	0.71	0.40	10,820	1.78	3.17
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	11.83	0.63	0.31	10,820	2.03	4.12
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	4.15	0.39	0.19	10,820	2.02	4.08
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	58.96	1.78	0.47	10,820	3.76	14.15
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	62.92	1.71	0.46	10,820	3.68	13.56
Enrolled in 2009	QDEN2009=1	15.06	0.54	0.35	10,550	1.54	2.36
Total schools attended	QDSCHTOT	1.61	0.03	0.01	10,820	3.21	10.33
Count of stopouts longer than 5 months	QDGT5STP	0.31	0.01	0.01	10,520	1.69	2.87
Total elapsed stopout time	QDTOTSTP	18.38	0.37	0.26	2,520	1.46	2.14
Elapsed time from entry to first award	QDFA2AW1	42.10	0.41	0.19	6,000	2.13	4.54
Elapsed time from entry to bachelor's degree	QDFA2BCH	49.44	0.33	0.13	4,310	2.44	5.94
Total months enrolled	QDTOTMON	32.36	0.35	0.17	10,530	2.09	4.38
STEM courses: credits earned	QESTMERN	19.66	0.39	0.24	10,670	1.66	2.76
Non-STEM courses: credits earned	QENSTERN	61.60	0.85	0.43	10,600	1.97	3.90
First and second years combined: credits earned	QE12ERN	39.79	0.52	0.23	10,340	2.24	5.03
GPA at all institutions attended	QEGPAALL	2.87	0.02	0.01	10,360	1.83	3.33
Number of courses with repeats	QETCSRPT	0.54	0.03	0.02	10,790	1.89	3.58
Remedial courses: number taken	QETOTR	0.95	0.03	0.01	10,790	2.08	4.34
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	13.56	1.08	0.43	6,220	2.50	6.24
Highest degree attained = Associate's degree	QFHGHDEG2=1	20.21	1.10	0.51	6,220	2.16	4.66

See notes at end of table.

Table L-58. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for White students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	66.23	1.33	0.60	6,220	2.21	4.89
Any degree attained	QFANYDEG=1	52.40	0.91	0.48	10,820	1.89	3.59
Summary statistics							
Mean	†	†	†	†	†	2.11	4.83
Minimum	†	†	†	†	†	1.26	1.60
25th percentile	†	†	†	†	†	1.78	3.17
Median	†	†	†	†	†	2.02	4.08
75th percentile	†	†	†	†	†	2.21	4.89
Maximum	†	†	†	†	†	3.76	14.15

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-59. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for Black or African American students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.11	0.05	0.05	2,200	1.02	1.04
Total non-course credits	QBTLNCCR	0.54	0.24	0.09	2,190	2.67	7.13
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	73.64	1.94	0.94	2,200	2.07	4.27
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	16.79	1.76	0.80	2,200	2.21	4.87
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	27.11	1.83	0.95	2,200	1.93	3.72
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	11.03	1.14	0.67	2,200	1.71	2.92
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	63.99	2.40	1.02	2,200	2.34	5.48
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	50.22	2.33	1.07	2,200	2.18	4.77
Enrolled in 2009	QDEN2009=1	17.29	1.32	0.82	2,130	1.61	2.59
Total schools attended	QDSCHTOT	1.56	0.04	0.02	2,200	2.18	4.75
Count of stopouts longer than 5 months	QDGT5STP	0.41	0.03	0.01	2,110	1.85	3.43
Total elapsed stopout time	QDGTSTP	20.74	0.77	0.53	650	1.46	2.13
Elapsed time from entry to first award	QDFA2AW1	36.27	1.01	0.68	760	1.49	2.21
Elapsed time from entry to bachelor's degree	QDFA2BCH	49.78	0.64	0.44	390	1.47	2.15
Total months enrolled	QDTOTMON	26.38	0.82	0.38	2,120	2.18	4.73
STEM courses: credits earned	QESTMERN	12.85	0.60	0.39	2,160	1.54	2.39
Non-STEM courses: credits earned	QENSTERN	44.75	1.72	0.87	2,150	1.98	3.93
First and second years combined: credits earned	QE12ERN	29.10	0.93	0.49	2,080	1.90	3.63
GPA at all institutions attended	QEGPAALL	2.33	0.05	0.02	2,070	2.38	5.66
Number of courses with repeats	QETCSRPT	0.88	0.10	0.05	2,200	2.11	4.45
Remedial courses: number taken	QETOTR	1.91	0.12	0.05	2,200	2.30	5.28
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	32.49	2.87	1.64	820	1.75	3.07
Highest degree attained = Associate's degree	QFHGHDEG2=1	21.83	2.90	1.45	820	2.01	4.03

See notes at end of table.

Table L-59. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for Black or African American students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	45.68	3.27	1.74	820	1.87	3.51
Any degree attained	QFANYDEG=1	34.55	1.74	1.01	2,200	1.71	2.93
Summary statistics							
Mean	†	†	†	†	†	1.92	3.80
Minimum	†	†	†	†	†	1.02	1.04
25th percentile	†	†	†	†	†	1.71	2.92
Median	†	†	†	†	†	1.93	3.72
75th percentile	†	†	†	†	†	2.18	4.75
Maximum	†	†	†	†	†	2.67	7.13

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-60. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for Hispanic or Latino students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.36	0.05	0.04	2,240	1.20	1.43
Total non-course credits	QBTLNCCR	0.68	0.08	0.06	2,220	1.19	1.41
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	70.04	1.66	0.96	2,260	1.73	2.98
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	14.23	1.27	0.73	2,260	1.73	3.00
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	28.58	1.82	0.95	2,260	1.92	3.68
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	16.60	1.75	0.78	2,260	2.23	4.98
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	60.67	2.09	1.03	2,260	2.04	4.15
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	43.52	2.03	1.04	2,260	1.95	3.80
Enrolled in 2009	QDEN2009=1	17.82	1.38	0.83	2,140	1.67	2.79
Total schools attended	QDSCHTOT	1.41	0.02	0.01	2,260	1.62	2.63
Count of stopouts longer than 5 months	QDGT5STP	0.34	0.02	0.01	2,130	1.64	2.69
Total elapsed stopout time	QDTOTSTP	18.77	0.65	0.53	600	1.22	1.48
Elapsed time from entry to first award	QDFA2AW1	34.09	1.03	0.63	930	1.64	2.68
Elapsed time from entry to bachelor's degree	QDFA2BCH	51.84	0.65	0.44	430	1.45	2.11
Total months enrolled	QDTOTMON	28.09	0.70	0.40	2,130	1.76	3.10
STEM courses: credits earned	QESTMERN	14.52	1.04	0.47	2,210	2.20	4.82
Non-STEM courses: credits earned	QENSTERN	46.07	1.29	0.86	2,210	1.50	2.24
First and second years combined: credits earned	QE12ERN	32.35	0.75	0.50	2,090	1.51	2.27
GPA at all institutions attended	QEGPAALL	2.61	0.03	0.02	2,100	1.56	2.43
Number of courses with repeats	QETCSRPT	0.72	0.05	0.04	2,250	1.35	1.82
Remedial courses: number taken	QETOTR	1.87	0.10	0.06	2,250	1.72	2.95
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	39.16	2.69	1.53	1,010	1.75	3.07
Highest degree attained = Associate's degree	QFHGHDEG2=1	23.73	2.46	1.34	1,010	1.84	3.39

See notes at end of table.

Table L-60. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for Hispanic or Latino students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	37.11	2.22	1.52	1,010	1.46	2.13
Any degree attained	QFANYDEG=1	40.52	1.51	1.03	2,260	1.47	2.15
Summary statistics							
Mean	†	†	†	†	†	1.65	2.81
Minimum	†	†	†	†	†	1.19	1.41
25th percentile	†	†	†	†	†	1.47	2.15
Median	†	†	†	†	†	1.64	2.69
75th percentile	†	†	†	†	†	1.76	3.10
Maximum	†	†	†	†	†	2.23	4.98

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-61. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for Asian students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	1.79	0.35	0.24	770	1.46	2.12
Total non-course credits	QBTLNCCR	2.28	0.38	0.27	760	1.41	1.99
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	84.28	1.66	1.31	780	1.27	1.62
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	18.81	1.52	1.40	780	1.09	1.18
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	9.91	1.46	1.07	780	1.37	1.87
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	4.64	0.86	0.75	780	1.14	1.30
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	60.82	2.41	1.75	780	1.37	1.89
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	68.26	2.39	1.67	780	1.43	2.06
Enrolled in 2009	QDEN2009=1	17.00	1.76	1.36	770	1.30	1.68
Total schools attended	QDSCHTOT	1.70	0.04	0.03	780	1.35	1.82
Count of stopouts longer than 5 months	QDGT5STP	0.29	0.04	0.02	760	1.88	3.52
Total elapsed stopout time	QDTOTSTP	16.96	1.51	0.96	180	1.57	2.47
Elapsed time from entry to first award	QDFA2AW1	42.27	0.96	0.65	460	1.47	2.17
Elapsed time from entry to bachelor's degree	QDFA2BCH	47.05	0.73	0.52	360	1.40	1.97
Total months enrolled	QDTOTMON	35.99	0.84	0.61	760	1.39	1.92
STEM courses: credits earned	QESTMERN	30.23	1.45	1.17	770	1.24	1.53
Non-STEM courses: credits earned	QENSTERN	64.21	2.22	1.52	770	1.46	2.13
First and second years combined: credits earned	QE12ERN	45.54	1.50	0.88	750	1.71	2.94
GPA at all institutions attended	QEGPAALL	2.93	0.04	0.03	750	1.47	2.16
Number of courses with repeats	QETCSRPT	0.89	0.11	0.08	780	1.38	1.91
Remedial courses: number taken	QETOTR	1.32	0.13	0.08	780	1.52	2.32
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	10.25	2.03	1.39	480	1.46	2.14
Highest degree attained = Associate's degree	QFHGHDEG2=1	14.39	2.28	1.61	480	1.42	2.02

See notes at end of table.

Table L-61. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for Asian students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	75.36	2.82	1.97	480	1.43	2.04
Any degree attained	QFANYDEG=1	53.93	2.84	1.79	780	1.59	2.53
Summary statistics							
Mean	†	†	†	†	†	1.42	2.05
Minimum	†	†	†	†	†	1.09	1.18
25th percentile	†	†	†	†	†	1.37	1.87
Median	†	†	†	†	†	1.42	2.02
75th percentile	†	†	†	†	†	1.47	2.16
Maximum	†	†	†	†	†	1.88	3.52

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-62. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students of other race/ethnicities including more than one race: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.56	0.12	0.10	880	1.20	1.44
Total non-course credits	QBTLNCCR	0.78	0.14	0.12	870	1.14	1.30
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	78.00	2.85	1.39	890	2.05	4.22
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	15.20	1.63	1.20	890	1.36	1.85
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	19.96	2.67	1.34	890	1.99	3.97
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	6.44	0.85	0.82	890	1.03	1.07
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	61.54	3.52	1.63	890	2.16	4.67
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	59.21	3.09	1.64	890	1.88	3.53
Enrolled in 2009	QDEN2009=1	16.31	1.79	1.26	860	1.42	2.02
Total schools attended	QDSCHTOT	1.55	0.04	0.03	890	1.58	2.50
Count of stopouts longer than 5 months	QDGT5STP	0.33	0.03	0.02	860	1.60	2.55
Total elapsed stopout time	QDOTSTP	18.12	1.22	0.92	230	1.33	1.76
Elapsed time from entry to first award	QDFA2AW1	39.27	1.39	0.86	400	1.61	2.61
Elapsed time from entry to bachelor's degree	QDFA2BCH	50.89	0.65	0.54	280	1.20	1.44
Total months enrolled	QDOTMON	30.04	0.94	0.60	860	1.57	2.47
STEM courses: credits earned	QESTMERN	17.40	1.15	0.85	880	1.34	1.81
Non-STEM courses: credits earned	QENSTERN	53.79	2.07	1.45	870	1.43	2.05
First and second years combined: credits earned	QE12ERN	36.52	1.32	0.82	850	1.62	2.62
GPA at all institutions attended	QEGPAALL	2.65	0.06	0.03	840	1.74	3.04
Number of courses with repeats	QETCSRPT	0.64	0.09	0.06	890	1.58	2.48
Remedial courses: number taken	QETOTR	1.30	0.11	0.06	890	1.78	3.18
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	14.72	2.54	1.73	420	1.47	2.16
Highest degree attained = Associate's degree	QFHGHDEG2=1	23.02	5.14	2.05	420	2.50	6.25

See notes at end of table.

Table L-62. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students of other race/ethnicities including more than one race: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	62.27	4.67	2.37	420	1.97	3.90
Any degree attained	QFANYDEG=1	43.60	2.52	1.66	890	1.52	2.30
Summary statistics							
Mean	†	†	†	†	†	1.60	2.69
Minimum	†	†	†	†	†	1.03	1.07
25th percentile	†	†	†	†	†	1.36	1.85
Median	†	†	†	†	†	1.58	2.48
75th percentile	†	†	†	†	†	1.78	3.18
Maximum	†	†	†	†	†	2.50	6.25

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-63. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for male, White students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.66	0.05	0.05	4,580	1.05	1.11
Total non-course credits	QBTLNCCR	1.06	0.08	0.07	4,540	1.15	1.31
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	82.57	1.10	0.56	4,620	1.98	3.92
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	20.87	0.80	0.60	4,620	1.35	1.81
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	9.96	1.08	0.44	4,620	2.45	5.99
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	2.28	0.45	0.22	4,620	2.05	4.20
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	59.12	2.07	0.72	4,620	2.87	8.23
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	63.14	2.19	0.71	4,620	3.08	9.50
Enrolled in 2009	QDEN2009=1	15.16	0.83	0.53	4,530	1.57	2.45
Total schools attended	QDSCHTOT	1.58	0.03	0.01	4,620	2.78	7.74
Count of stopouts longer than 5 months	QDGT5STP	0.32	0.01	0.01	4,520	1.53	2.34
Total elapsed stopout time	QDTOTSTP	18.58	0.61	0.38	1,100	1.59	2.53
Elapsed time from entry to first award	QDFA2AW1	42.59	0.60	0.30	2,420	1.97	3.89
Elapsed time from entry to bachelor's degree	QDFA2BCH	50.14	0.46	0.22	1,770	2.09	4.37
Total months enrolled	QDTOTMON	31.94	0.51	0.26	4,520	1.99	3.94
STEM courses: credits earned	QESTMERN	23.24	0.76	0.43	4,570	1.75	3.05
Non-STEM courses: credits earned	QENSTERN	57.03	1.19	0.64	4,560	1.85	3.41
First and second years combined: credits earned	QE12ERN	39.29	0.77	0.36	4,480	2.15	4.61
GPA at all institutions attended	QEGPAALL	2.73	0.02	0.01	4,470	1.69	2.87
Number of courses with repeats	QETCSRPT	0.56	0.04	0.02	4,610	1.61	2.58
Remedial courses: number taken	QETOTR	0.91	0.04	0.02	4,610	1.77	3.13
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	11.32	1.46	0.63	2,500	2.31	5.32
Highest degree attained = Associate's degree	QFHGHDEG2=1	21.28	1.86	0.82	2,500	2.27	5.17

See notes at end of table.

Table L-63. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for male, White students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	67.40	1.92	0.94	2,500	2.04	4.18
Any degree attained	QFANYDEG=1	49.13	1.13	0.74	4,620	1.54	2.38
Summary statistics							
Mean	†	†	†	†	†	1.94	4.00
Minimum	†	†	†	†	†	1.05	1.11
25th percentile	†	†	†	†	†	1.59	2.53
Median	†	†	†	†	†	1.97	3.89
75th percentile	†	†	†	†	†	2.15	4.61
Maximum	†	†	†	†	†	3.08	9.50

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-64. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for male, Black or African American students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.22	0.14	0.14	830	1.00	1.00
Total non-course credits	QBTLNCCR	1.14	0.63	0.23	830	2.72	7.42
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	74.96	2.96	1.50	830	1.97	3.90
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	19.06	2.47	1.36	830	1.81	3.29
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	23.57	2.82	1.47	830	1.92	3.68
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	5.95	1.10	0.82	830	1.34	1.79
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	64.17	2.98	1.66	830	1.79	3.22
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	54.93	2.92	1.72	830	1.69	2.87
Enrolled in 2009	QDEN2009=1	18.02	2.43	1.35	810	1.80	3.24
Total schools attended	QDSCHTOT	1.58	0.05	0.03	830	1.75	3.07
Count of stopouts longer than 5 months	QDGT5STP	0.41	0.04	0.02	800	1.61	2.60
Total elapsed stopout time	QDTOTSTP	20.81	1.47	0.91	210	1.62	2.62
Elapsed time from entry to first award	QDFA2AW1	38.73	1.92	1.16	250	1.66	2.74
Elapsed time from entry to bachelor's degree	QDFA2BCH	51.29	1.08	0.75	150	1.43	2.04
Total months enrolled	QDTOTMON	26.47	0.94	0.63	810	1.49	2.22
STEM courses: credits earned	QESTMERN	14.02	0.90	0.70	820	1.28	1.64
Non-STEM courses: credits earned	QENSTERN	44.16	2.22	1.43	820	1.55	2.39
First and second years combined: credits earned	QE12ERN	28.89	1.23	0.80	790	1.54	2.37
GPA at all institutions attended	QEGPAALL	2.23	0.06	0.03	780	1.77	3.13
Number of courses with repeats	QETCSRPT	0.89	0.11	0.07	830	1.63	2.66
Remedial courses: number taken	QETOTR	1.85	0.13	0.09	830	1.53	2.35
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	30.61	5.69	2.82	270	2.02	4.08
Highest degree attained = Associate's degree	QFHGHDEG2=1	21.11	4.00	2.49	270	1.60	2.57

See notes at end of table.

Table L-64. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for male, Black or African American students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	48.28	5.36	3.05	270	1.76	3.08
Any degree attained	QFANYDEG=1	30.90	2.45	1.60	830	1.53	2.34
Summary statistics							
Mean	†	†	†	†	†	1.67	2.89
Minimum	†	†	†	†	†	1.00	1.00
25th percentile	†	†	†	†	†	1.53	2.35
Median	†	†	†	†	†	1.63	2.66
75th percentile	†	†	†	†	†	1.79	3.22
Maximum	†	†	†	†	†	2.72	7.42

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-65. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for male, Hispanic or Latino students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.26	0.06	0.06	880	0.94	0.89
Total non-course credits	QBTLNCCR	0.50	0.08	0.08	880	1.05	1.10
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	71.72	2.80	1.51	890	1.86	3.44
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	15.99	2.43	1.23	890	1.98	3.91
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	24.02	2.68	1.43	890	1.87	3.50
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	12.50	1.63	1.11	890	1.47	2.15
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	60.83	2.96	1.64	890	1.81	3.28
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	47.25	3.18	1.67	890	1.90	3.62
Enrolled in 2009	QDEN2009=1	18.51	2.26	1.33	850	1.69	2.86
Total schools attended	QDSCHTOT	1.40	0.03	0.02	890	1.48	2.18
Count of stopouts longer than 5 months	QDGT5STP	0.33	0.04	0.02	840	1.74	3.03
Total elapsed stopout time	QDTOTSTP	18.84	1.30	0.87	230	1.49	2.21
Elapsed time from entry to first award	QDFA2AW1	36.57	1.59	1.06	330	1.50	2.26
Elapsed time from entry to bachelor's degree	QDFA2BCH	52.71	1.15	0.77	160	1.49	2.22
Total months enrolled	QDTOTMON	27.63	1.06	0.64	840	1.66	2.77
STEM courses: credits earned	QESTMERN	17.60	2.05	0.92	880	2.22	4.94
Non-STEM courses: credits earned	QENSTERN	42.29	1.96	1.34	870	1.46	2.14
First and second years combined: credits earned	QE12ERN	32.04	1.28	0.82	830	1.56	2.43
GPA at all institutions attended	QEGPAALL	2.43	0.05	0.03	830	1.52	2.31
Number of courses with repeats	QETCSRPT	0.83	0.08	0.06	890	1.22	1.48
Remedial courses: number taken	QETOTR	1.77	0.14	0.09	890	1.56	2.42
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	29.91	3.71	2.47	350	1.51	2.27
Highest degree attained = Associate's degree	QFHGHDEG2=1	28.44	3.93	2.43	350	1.62	2.61

See notes at end of table.

Table L-65. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for male, Hispanic or Latino students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	41.65	4.00	2.65	350	1.51	2.27
Any degree attained	QFANYDEG=1	34.06	2.64	1.59	890	1.66	2.76
Summary statistics							
Mean	†	†	†	†	†	1.59	2.60
Minimum	†	†	†	†	†	0.94	0.89
25th percentile	†	†	†	†	†	1.49	2.21
Median	†	†	†	†	†	1.56	2.42
75th percentile	†	†	†	†	†	1.74	3.03
Maximum	†	†	†	†	†	2.22	4.94

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-66. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for male, Asian students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	1.88	0.52	0.37	350	1.41	1.99
Total non-course credits	QBTLNCCR	2.27	0.54	0.39	350	1.38	1.91
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	84.90	2.26	1.90	350	1.19	1.41
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	17.57	2.22	2.02	350	1.10	1.20
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	10.38	2.22	1.62	350	1.37	1.87
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	5.09	1.43	1.17	350	1.22	1.50
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	60.68	3.32	2.60	350	1.28	1.64
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	66.53	3.13	2.51	350	1.25	1.56
Enrolled in 2009	QDEN2009=1	19.61	2.52	2.11	350	1.19	1.42
Total schools attended	QDSCHTOT	1.73	0.06	0.05	350	1.23	1.50
Count of stopouts longer than 5 months	QDGT5STP	0.30	0.05	0.03	350	1.71	2.91
Total elapsed stopout time	QDGTSTP	14.67	1.98	1.10	90	1.80	3.24
Elapsed time from entry to first award	QDFA2AW1	40.75	1.77	1.17	200	1.51	2.29
Elapsed time from entry to bachelor's degree	QDFA2BCH	47.89	1.39	0.92	150	1.52	2.30
Total months enrolled	QDTOTMON	35.79	1.28	0.95	350	1.35	1.82
STEM courses: credits earned	QESTMERN	33.03	2.37	1.78	350	1.33	1.78
Non-STEM courses: credits earned	QENSTERN	57.92	2.94	2.09	350	1.41	1.98
First and second years combined: credits earned	QE12ERN	43.93	2.27	1.30	350	1.74	3.04
GPA at all institutions attended	QEGPAALL	2.83	0.06	0.04	350	1.60	2.57
Number of courses with repeats	QETCSRPT	1.17	0.19	0.14	350	1.41	1.99
Remedial courses: number taken	QETOTR	1.33	0.18	0.13	350	1.38	1.89
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	11.50	3.94	2.24	200	1.76	3.08
Highest degree attained = Associate's degree	QFHGHDEG2=1	19.22	3.31	2.77	200	1.19	1.43

See notes at end of table.

Table L-66. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for male, Asian students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	69.29	4.48	3.25	200	1.38	1.90
Any degree attained	QFANYDEG=1	50.06	4.44	2.66	350	1.67	2.79
Summary statistics							
Mean	†	†	†	†	†	1.41	2.04
Minimum	†	†	†	†	†	1.10	1.20
25th percentile	†	†	†	†	†	1.25	1.56
Median	†	†	†	†	†	1.38	1.90
75th percentile	†	†	†	†	†	1.52	2.30
Maximum	†	†	†	†	†	1.80	3.24

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-67. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students who are male, other race/ethnicities including more than one race: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.52	0.16	0.13	380	1.18	1.38
Total non-course credits	QBTLNCCR	0.74	0.21	0.17	380	1.21	1.47
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	78.91	4.68	2.08	380	2.25	5.05
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	14.07	2.10	1.77	380	1.18	1.40
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	17.46	4.65	1.94	380	2.40	5.77
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	3.09	0.92	0.88	380	1.04	1.08
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	61.05	4.75	2.49	380	1.91	3.64
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	63.23	3.70	2.46	380	1.50	2.26
Enrolled in 2009	QDEN2009=1	13.68	2.84	1.78	370	1.59	2.54
Total schools attended	QDSCHTOT	1.53	0.06	0.04	380	1.59	2.51
Count of stopouts longer than 5 months	QDGT5STP	0.27	0.04	0.03	370	1.37	1.87
Total elapsed stopout time	QDTOTSTP	17.02	2.06	1.50	80	1.37	1.87
Elapsed time from entry to first award	QDFA2AW1	41.05	2.57	1.24	170	2.08	4.32
Elapsed time from entry to bachelor's degree	QDFA2BCH	50.79	1.09	0.87	120	1.25	1.55
Total months enrolled	QDTOTMON	30.07	1.46	0.91	370	1.60	2.57
STEM courses: credits earned	QESTMERN	19.29	1.97	1.49	380	1.32	1.74
Non-STEM courses: credits earned	QENSTERN	51.54	2.78	2.20	380	1.26	1.60
First and second years combined: credits earned	QE12ERN	37.57	2.26	1.28	370	1.77	3.12
GPA at all institutions attended	QEGPAALL	2.61	0.08	0.05	360	1.63	2.66
Number of courses with repeats	QETCSRPT	0.64	0.12	0.08	380	1.39	1.94
Remedial courses: number taken	QETOTR	1.27	0.20	0.10	380	2.06	4.25
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	9.69	2.84	2.26	170	1.26	1.59
Highest degree attained = Associate's degree	QFHGHDEG2=1	29.79	9.09	3.49	170	2.61	6.79

See notes at end of table.

Table L-67. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students who are male, other race/ethnicities including more than one race: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	60.52	8.40	3.73	170	2.25	5.08
Any degree attained	QFANYDEG=1	43.23	4.13	2.53	380	1.63	2.66
Summary statistics							
Mean	†	†	†	†	†	1.63	2.83
Minimum	†	†	†	†	†	1.04	1.08
25th percentile	†	†	†	†	†	1.26	1.60
Median	†	†	†	†	†	1.59	2.51
75th percentile	†	†	†	†	†	1.91	3.64
Maximum	†	†	†	†	†	2.61	6.79

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-68. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for female, White students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.57	0.05	0.04	6,170	1.26	1.60
Total non-course credits	QBTLNCCR	0.84	0.06	0.05	6,100	1.35	1.83
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	80.54	0.98	0.50	6,200	1.95	3.82
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	22.58	0.99	0.53	6,200	1.87	3.48
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	13.28	1.10	0.43	6,200	2.55	6.50
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	5.60	0.56	0.29	6,200	1.92	3.69
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	58.83	1.84	0.63	6,200	2.94	8.64
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	62.75	1.69	0.61	6,200	2.75	7.56
Enrolled in 2009	QDEN2009=1	14.99	0.69	0.46	6,010	1.49	2.23
Total schools attended	QDSCHTOT	1.63	0.03	0.01	6,200	2.34	5.46
Count of stopouts longer than 5 months	QDGT5STP	0.30	0.01	0.01	6,000	1.62	2.64
Total elapsed stopout time	QDTOTSTP	18.23	0.54	0.34	1,420	1.57	2.46
Elapsed time from entry to first award	QDFA2AW1	41.76	0.50	0.25	3,570	2.03	4.11
Elapsed time from entry to bachelor's degree	QDFA2BCH	48.94	0.33	0.16	2,540	1.99	3.95
Total months enrolled	QDTOTMON	32.69	0.40	0.22	6,010	1.83	3.35
STEM courses: credits earned	QESTMERN	16.84	0.39	0.25	6,100	1.58	2.51
Non-STEM courses: credits earned	QENSTERN	65.19	0.96	0.57	6,050	1.67	2.80
First and second years combined: credits earned	QE12ERN	40.19	0.57	0.30	5,870	1.91	3.65
GPA at all institutions attended	QEGPAALL	2.97	0.02	0.01	5,890	1.83	3.36
Number of courses with repeats	QETCSRPT	0.52	0.04	0.02	6,190	1.74	3.03
Remedial courses: number taken	QETOTR	0.98	0.04	0.02	6,190	2.00	3.98
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	15.11	1.33	0.59	3,720	2.27	5.16
Highest degree attained = Associate's degree	QFHGHDEG2=1	19.47	1.13	0.65	3,720	1.74	3.04

See notes at end of table.

Table L-68. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for female, White students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	65.42	1.55	0.78	3,720	1.98	3.94
Any degree attained	QFANYDEG=1	54.95	1.05	0.63	6,200	1.66	2.75
Summary statistics							
Mean	†	†	†	†	†	1.91	3.82
Minimum	†	†	†	†	†	1.26	1.60
25th percentile	†	†	†	†	†	1.66	2.75
Median	†	†	†	†	†	1.87	3.48
75th percentile	†	†	†	†	†	2.00	3.98
Maximum	†	†	†	†	†	2.94	8.64

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-69. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for female, Black or African American students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.05	0.02	0.02	1,360	1.01	1.03
Total non-course credits	QBTLNCCR	0.19	0.04	0.03	1,360	1.16	1.35
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	72.86	2.34	1.20	1,370	1.95	3.79
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	15.45	1.89	0.98	1,370	1.94	3.75
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	29.20	2.36	1.23	1,370	1.92	3.68
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	14.03	1.55	0.94	1,370	1.65	2.72
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	63.89	2.78	1.30	1,370	2.14	4.58
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	47.45	2.82	1.35	1,370	2.09	4.35
Enrolled in 2009	QDEN2009=1	16.86	1.35	1.03	1,320	1.31	1.71
Total schools attended	QDSCHTOT	1.55	0.06	0.03	1,370	2.27	5.17
Count of stopouts longer than 5 months	QDGT5STP	0.41	0.03	0.02	1,300	1.73	2.99
Total elapsed stopout time	QDTOTSTP	20.70	0.90	0.65	440	1.39	1.92
Elapsed time from entry to first award	QDFA2AW1	35.07	1.23	0.83	510	1.48	2.19
Elapsed time from entry to bachelor's degree	QDFA2BCH	48.97	0.76	0.53	250	1.43	2.05
Total months enrolled	QDTOTMON	26.33	1.06	0.47	1,320	2.23	4.97
STEM courses: credits earned	QESTMERN	12.16	0.76	0.46	1,340	1.67	2.77
Non-STEM courses: credits earned	QENSTERN	45.09	2.09	1.09	1,330	1.91	3.67
First and second years combined: credits earned	QE12ERN	29.23	1.19	0.62	1,290	1.92	3.70
GPA at all institutions attended	QEGPAALL	2.40	0.06	0.03	1,280	2.29	5.23
Number of courses with repeats	QETCSRPT	0.88	0.11	0.06	1,360	1.84	3.39
Remedial courses: number taken	QETOTR	1.94	0.16	0.07	1,360	2.32	5.36
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	33.42	3.46	2.02	550	1.72	2.95
Highest degree attained = Associate's degree	QFHGHDEG2=1	22.19	3.49	1.78	550	1.97	3.87

See notes at end of table.

Table L-69. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for female, Black or African American students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	44.39	3.69	2.12	550	1.74	3.02
Any degree attained	QFANYDEG=1	36.71	2.10	1.30	1,370	1.61	2.59
Summary statistics							
Mean	†	†	†	†	†	1.79	3.31
Minimum	†	†	†	†	†	1.01	1.03
25th percentile	†	†	†	†	†	1.61	2.59
Median	†	†	†	†	†	1.84	3.39
75th percentile	†	†	†	†	†	1.97	3.87
Maximum	†	†	†	†	†	2.32	5.36

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-70. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for female, Hispanic or Latino students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.43	0.08	0.06	1,360	1.23	1.52
Total non-course credits	QBTLNCCR	0.80	0.12	0.09	1,350	1.25	1.55
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	68.91	1.91	1.25	1,370	1.53	2.33
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	13.04	1.09	0.91	1,370	1.20	1.44
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	31.67	1.99	1.26	1,370	1.59	2.51
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	19.37	2.20	1.07	1,370	2.06	4.26
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	60.57	2.45	1.32	1,370	1.86	3.45
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	40.99	2.24	1.33	1,370	1.68	2.84
Enrolled in 2009	QDEN2009=1	17.35	1.55	1.05	1,290	1.48	2.18
Total schools attended	QDSCHTOT	1.42	0.03	0.02	1,370	1.43	2.05
Count of stopouts longer than 5 months	QDGT5STP	0.36	0.02	0.02	1,280	1.44	2.08
Total elapsed stopout time	QDTOTSTP	18.74	0.89	0.67	360	1.32	1.75
Elapsed time from entry to first award	QDFA2AW1	32.72	1.20	0.78	600	1.54	2.38
Elapsed time from entry to bachelor's degree	QDFA2BCH	51.31	0.74	0.54	270	1.37	1.88
Total months enrolled	QDTOTMON	28.40	0.80	0.51	1,290	1.57	2.45
STEM courses: credits earned	QESTMERN	12.41	0.65	0.48	1,330	1.35	1.82
Non-STEM courses: credits earned	QENSTERN	48.61	1.54	1.13	1,340	1.37	1.86
First and second years combined: credits earned	QE12ERN	32.57	0.90	0.63	1,270	1.44	2.07
GPA at all institutions attended	QEGPAALL	2.74	0.04	0.02	1,270	1.53	2.33
Number of courses with repeats	QETCSRPT	0.64	0.06	0.05	1,360	1.35	1.82
Remedial courses: number taken	QETOTR	1.94	0.14	0.07	1,360	1.94	3.78
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	43.88	3.01	1.92	670	1.56	2.45
Highest degree attained = Associate's degree	QFHGHDEG2=1	21.32	2.79	1.59	670	1.76	3.10

See notes at end of table.

Table L-70. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for female, Hispanic or Latino students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	34.80	2.48	1.84	670	1.35	1.81
Any degree attained	QFANYDEG=1	44.90	1.58	1.34	1,370	1.18	1.39
Summary statistics							
Mean	†	†	†	†	†	1.49	2.28
Minimum	†	†	†	†	†	1.18	1.39
25th percentile	†	†	†	†	†	1.35	1.82
Median	†	†	†	†	†	1.44	2.08
75th percentile	†	†	†	†	†	1.57	2.45
Maximum	†	†	†	†	†	2.06	4.26

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-71. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for female, Asian students: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	1.71	0.36	0.31	420	1.16	1.34
Total non-course credits	QBTLNCCR	2.28	0.41	0.36	410	1.13	1.28
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	83.73	2.13	1.79	420	1.19	1.41
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	19.93	2.23	1.94	420	1.15	1.31
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	9.48	1.71	1.42	420	1.20	1.45
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	4.22	1.04	0.98	420	1.06	1.13
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	60.95	3.38	2.37	420	1.43	2.04
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	69.82	3.28	2.23	420	1.47	2.16
Enrolled in 2009	QDEN2009=1	14.61	2.41	1.74	410	1.39	1.92
Total schools attended	QDSCHTOT	1.66	0.05	0.04	420	1.30	1.68
Count of stopouts longer than 5 months	QDGT5STP	0.29	0.05	0.03	410	1.78	3.16
Total elapsed stopout time	QDTOTSTP	19.01	2.43	1.51	90	1.61	2.60
Elapsed time from entry to first award	QDFA2AW1	43.51	0.89	0.72	260	1.25	1.56
Elapsed time from entry to bachelor's degree	QDFA2BCH	46.49	0.71	0.61	210	1.16	1.35
Total months enrolled	QDTOTMON	36.18	1.16	0.79	410	1.47	2.17
STEM courses: credits earned	QESTMERN	27.66	1.67	1.55	410	1.08	1.16
Non-STEM courses: credits earned	QENSTERN	69.94	3.04	2.16	410	1.41	1.98
First and second years combined: credits earned	QE12ERN	47.04	2.04	1.18	400	1.73	2.98
GPA at all institutions attended	QEGPAALL	3.02	0.05	0.04	400	1.32	1.75
Number of courses with repeats	QETCSRPT	0.64	0.11	0.08	420	1.29	1.66
Remedial courses: number taken	QETOTR	1.32	0.16	0.11	420	1.45	2.09
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	9.27	2.21	1.75	280	1.27	1.61
Highest degree attained = Associate's degree	QFHGHDEG2=1	10.59	3.34	1.85	280	1.80	3.25

See notes at end of table.

Table L-71. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for female, Asian students: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	80.14	3.62	2.40	280	1.51	2.27
Any degree attained	QFANYDEG=1	57.42	3.33	2.40	420	1.38	1.92
Summary statistics							
Mean	†	†	†	†	†	1.36	1.89
Minimum	†	†	†	†	†	1.06	1.13
25th percentile	†	†	†	†	†	1.19	1.41
Median	†	†	†	†	†	1.32	1.75
75th percentile	†	†	†	†	†	1.47	2.16
Maximum	†	†	†	†	†	1.80	3.25

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table L-72. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students who are female, other race/ethnicities including more than one race: 2009

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Total AP credits awarded by institution	QBTLAPCR	0.59	0.16	0.14	500	1.16	1.34
Total non-course credits	QBTLNCCR	0.82	0.19	0.16	500	1.14	1.29
Ever attended public institution	QC4YRPUB>0, QC2YRPUB>0, or QCLT2PUB>0	77.28	3.15	1.86	510	1.69	2.87
Ever attended private, nonprofit institution	QC4PVNP>0, QC2PVNP>0, or QCLT2VNP>0	16.08	2.19	1.63	510	1.35	1.81
Ever attended private, for profit institution	QC4PRVFP>0, QC2PRVFP>0, or QCLT2VFP>0	21.91	2.87	1.83	510	1.56	2.45
Ever attended less than 2-year institution	QCLT2PUB>0, QCLT2VFP>0, or QCLT2VNP>0, or QCLT2TOT>0	9.04	1.33	1.27	510	1.05	1.09
Ever attended 2-year institution	QC2YRPUB>0, QC2PRVFP>0, QC2PVNP>0, or QC2YRTOT>0	61.93	4.10	2.15	510	1.90	3.63
Ever attended 4-year institution	QC4YRPUB>0, QC4PRVFP>0, QC4PVNP>0, or QC4YRTOT>0	56.08	4.00	2.20	510	1.82	3.30
Enrolled in 2009	QDEN2009=1	18.36	2.39	1.75	490	1.37	1.88
Total schools attended	QDSCHTOT	1.56	0.05	0.04	510	1.46	2.12
Count of stopouts longer than 5 months	QDGT5STP	0.38	0.05	0.03	490	1.59	2.51
Total elapsed stopout time	QDTOTSTP	18.75	1.52	1.17	150	1.30	1.70
Elapsed time from entry to first award	QDFA2AW1	37.88	1.78	1.18	230	1.51	2.27
Elapsed time from entry to bachelor's degree	QDFA2BCH	50.96	0.75	0.69	160	1.09	1.20
Total months enrolled	QDTOTMON	30.02	1.18	0.80	490	1.47	2.17
STEM courses: credits earned	QESTMERN	15.92	1.14	0.98	500	1.17	1.37
Non-STEM courses: credits earned	QENSTERN	55.54	2.85	1.92	490	1.49	2.21
First and second years combined: credits earned	QE12ERN	35.72	1.53	1.06	480	1.45	2.09
GPA at all institutions attended	QEGPAALL	2.68	0.07	0.04	480	1.69	2.85
Number of courses with repeats	QETCSRPT	0.65	0.13	0.08	510	1.59	2.54
Remedial courses: number taken	QETOTR	1.32	0.11	0.08	510	1.36	1.84
Highest degree attained = Certificate or diploma	QFHGHDEG1=1	18.58	3.63	2.47	250	1.47	2.16
Highest degree attained = Associate's degree	QFHGHDEG2=1	17.82	4.95	2.43	250	2.04	4.15

See notes at end of table.

Table L-72. Design effects for selected variables using the BPS:09 transcript weight (WTC000) for students who are female, other race/ethnicities including more than one race: 2009—Continued

Variable description	Definition	Estimate	Design standard error	Simple random sample standard error	Sample size	DEFT	DEFF
Highest degree attained = Bachelor's degree	QFHGHDEG3=1	63.61	4.98	3.06	250	1.63	2.65
Any degree attained	QFANYDEG=1	43.89	3.21	2.20	510	1.46	2.13
Summary statistics							
Mean	†	†	†	†	†	1.47	2.23
Minimum	†	†	†	†	†	1.05	1.09
25th percentile	†	†	†	†	†	1.35	1.81
Median	†	†	†	†	†	1.47	2.16
75th percentile	†	†	†	†	†	1.59	2.54
Maximum	†	†	†	†	†	2.04	4.15

† Not applicable.

NOTE: Detail may not sum to totals because of rounding. DEFT is the square root of DEFF and can also be defined as the ratio of the design-based standard error over the standard error that would have been obtained from a simple random sample of the same size (if that were practical). DEFF is the survey design effect for a statistic and is defined as the ratio of the design-based variance estimate over the variance estimate that would have been obtained from a simple random sample of the same size (if that were practical).

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Appendix M

Nonresponse Bias Analysis

Table M-1. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for all students: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution type										
Public										
Less-than-2-year	430	110	1.15	2.53	-0.15*	-11.44	1.30	1.31	0.01	0.58
2-year	5,570	740	42.49	49.18	-0.72*	-1.67	43.21	43.17	-0.04	-0.08
4-year non-doctorate-granting	1,590	100	10.51	6.09	0.48*	4.76	10.03	9.98	-0.05	-0.48
4-year doctorate-granting	2,990	80	18.02	5.01	1.41*	8.48	16.61	16.64	0.03	0.20
Private nonprofit										
Less-than-4-year	440	90	1.09	1.52	-0.05	-4.09	1.13	1.14	0.01	0.59
4-year non-doctorate-granting	2,190	90	9.63	4.70	0.53*	5.86	9.09	9.08	-0.01	-0.10
4-year doctorate-granting	1,490	30	5.50	1.17	0.47*	9.30	5.03	5.06	0.03	0.67
Private for-profit										
Less-than-2-year	1,070	370	5.11	14.60	-1.03*	-16.72	6.14	6.15	0.01	0.21
2 years or more	900	250	6.51	15.20	-0.94*	-12.62	7.45	7.45	#	-0.01
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	1,110	90	5.22	4.96	0.03	0.55	5.20	5.18	-0.01	-0.22
Mideast DE-DC, MD, NJ, NY, PA	2,480	280	12.87	14.27	-0.15	-1.16	13.02	13.02	#	#
Great Lakes-IL, IN, MI, OH, WI	2,860	290	18.84	18.32	0.06	0.30	18.78	18.77	-0.01	-0.06
Plains-IA, KS, MN, MO, NE, ND, SD	1,770	140	7.38	5.22	0.23*	3.27	7.15	7.16	0.01	0.16
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	3,810	470	22.48	23.70	-0.13	-0.58	22.62	22.60	-0.01	-0.06
Southwest-AZ, NM, OK, TX	1,760	250	12.35	14.38	-0.22	-1.75	12.57	12.59	0.03	0.22
Rocky Mountains-CO, ID, MT, UT, WY	590	60	3.91	3.14	0.08	2.16	3.82	3.81	-0.01	-0.21
Far West-AK, CA, HI, NV, OR, WA	2,080	260	15.70	15.14	0.06	0.39	15.64	15.63	-0.01	-0.05
Other Jurisdictions-PR	250	20	1.25	0.87	0.04	3.36	1.21	1.22	0.01	0.98
CPS record available at base year										
Yes	12,290	1,410	68.22	68.88	-0.07	-0.11	68.29	68.28	-0.01	-0.02
No	4,390	450	31.78	31.12	0.07	0.23	31.71	31.72	0.01	0.04
Applied for federal aid										
Yes	12,950	1,500	72.31	74.68	-0.26	-0.35	72.57	72.46	-0.10	-0.14
No	3,730	350	27.69	25.32	0.26	0.94	27.43	27.54	0.10	0.37

See notes at end of table.

Table M-1. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for all students: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Pell Grant status										
Received	6,060	990	34.22	48.02	-1.49*	-4.18	35.71	35.67	-0.05	-0.13
Did not receive	10,630	870	65.78	51.98	1.49*	2.32	64.29	64.33	0.05	0.07
Total Pell Grant amount received										
\$0	10,630	870	65.78	51.98	1.49*	2.32	64.29	64.33	0.05	0.07
Up to \$2,000	2,000	330	12.55	17.54	-0.54*	-4.12	13.09	13.11	0.02	0.12
\$2,001–\$3,700	2,080	360	11.73	18.36	-0.72*	-5.76	12.45	12.29	-0.15	-1.25
\$3,701 or more	1,980	300	9.93	12.12	-0.24*	-2.33	10.17	10.26	0.09	0.91
Stafford Loan status										
Received	6,690	830	34.30	38.37	-0.44*	-1.27	34.74	34.84	0.10	0.29
Did not receive	9,990	1,030	65.70	61.63	0.44*	0.67	65.26	65.16	-0.10	-0.15
Total Stafford Loan amount received										
\$0	9,990	1,030	65.70	61.63	0.44*	0.67	65.26	65.16	-0.10	-0.15
Up to \$2,624	1,130	170	6.48	7.43	-0.10	-1.57	6.58	6.76	0.17	2.64
\$2,625	3,590	180	17.22	8.55	0.94*	5.77	16.29	16.24	-0.05	-0.28
\$2,626 or more	1,980	480	10.60	22.39	-1.28*	-10.74	11.87	11.85	-0.03	-0.23
Institution undergraduate enrollment										
0–1,821	3,810	760	18.09	30.86	-1.38*	-7.09	19.47	19.78	0.30*	1.55
1,822–6,690	4,200	420	23.13	23.13	#	#	23.13	22.81	-0.32	-1.38
6,691–16,522	4,210	380	27.77	24.94	0.31	1.11	27.46	27.24	-0.22	-0.80
16,523 or more	4,360	270	30.57	20.54	1.08*	3.68	29.48	29.69	0.20	0.69
Unknown	100	20	0.45	0.53	-0.01	-2.02	0.46	0.49	0.03	7.35
Age at base year										
15 to 18	7,920	480	45.25	25.39	2.15*	4.99	43.10	43.10	#	#
19	4,320	350	24.44	17.60	0.74*	3.12	23.70	23.71	0.01	0.04
20 to 23	1,780	350	11.86	19.65	-0.84*	-6.64	12.70	12.70	0.01	0.05
24 to 29	1,060	290	6.80	15.73	-0.97*	-12.43	7.77	7.75	-0.02	-0.21
30+	1,620	390	11.65	21.63	-1.08*	-8.48	12.73	12.73	#	0.01
High school graduation year										
Before 1998	2,300	580	16.07	32.56	-1.78*	-9.99	17.85	17.62	-0.23	-1.32
1998–2002	2,400	460	16.41	25.11	-0.94*	-5.43	17.35	17.47	0.12	0.69
2003–04	11,870	770	66.54	40.19	2.85*	4.48	63.69	63.75	0.06	0.09
Did not complete high school	130	40	0.98	2.14	-0.12*	-11.26	1.11	1.17	0.06	5.08

See notes at end of table.

Table M-1. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for all students: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Dependency status at base year										
Dependent	12,880	940	74.06	50.48	2.55*	3.57	71.51	71.55	0.04	0.06
Independent	3,810	910	25.94	49.52	-2.55*	-8.96	28.49	28.45	-0.04	-0.15
Income level at base year										
Dependent										
Less than \$10,000	700	100	4.03	5.45	-0.15	-3.66	4.18	4.20	0.02	0.41
\$10,000–\$19,999	1,040	120	5.93	6.25	-0.03	-0.57	5.97	5.99	0.02	0.34
\$20,000–\$29,999	1,320	120	7.53	5.86	0.18*	2.45	7.35	7.37	0.02	0.25
\$30,000–\$39,999	1,290	120	7.87	6.29	0.17	2.22	7.70	7.74	0.04	0.56
\$40,000–\$49,999	1,150	100	6.69	5.43	0.14	2.08	6.55	6.57	0.02	0.34
\$50,000–\$59,999	1,070	90	6.11	5.22	0.10	1.60	6.02	6.01	-0.01	-0.09
\$60,000–\$69,999	1,210	60	7.36	3.64	0.40*	5.78	6.95	6.96	0.01	0.10
\$70,000–\$79,999	920	50	5.60	2.37	0.35*	6.65	5.25	5.24	#	-0.05
\$80,000–\$99,999	1,560	70	8.39	3.19	0.56*	7.18	7.83	7.81	-0.02	-0.22
\$100,000 or more	2,630	110	14.56	6.77	0.84*	6.14	13.72	13.66	-0.06	-0.45
Independent										
Less than \$10,000	700	190	4.42	8.33	-0.42*	-8.73	4.84	4.80	-0.04	-0.84
\$10,000–\$19,999	1,370	350	8.48	18.49	-1.08*	-11.33	9.56	9.53	-0.03	-0.28
\$20,000–\$29,999	640	140	4.13	8.56	-0.48*	-10.42	4.61	4.59	-0.02	-0.49
\$30,000–\$49,999	600	140	4.59	7.53	-0.32*	-6.48	4.91	4.91	#	#
\$50,000 or more	490	100	4.32	6.62	-0.25*	-5.43	4.57	4.62	0.05	1.06
Race/ethnicity										
White	10,740	980	62.61	52.44	1.10*	1.79	61.51	61.52	0.01	0.02
Black or African American	2,200	330	13.42	16.88	-0.37*	-2.71	13.80	13.79	-0.01	-0.06
Hispanic or Latino	2,110	370	14.28	20.23	-0.64*	-4.32	14.92	14.93	0.01	0.07
Asian	770	60	4.78	4.05	0.08	1.68	4.70	4.70	-0.01	-0.14
All other race/ethnicities including more than one race	860	110	4.91	6.39	-0.16	-3.17	5.07	5.06	-0.01	-0.18
Gender										
Male	6,880	820	41.98	47.33	-0.58*	-1.36	42.56	42.60	0.04	0.10
Female	9,810	1,040	58.02	52.67	0.58*	1.01	57.44	57.40	-0.04	-0.07
Marital status at base year										
Single, divorced, or widowed	15,050	1,450	88.64	77.57	1.20*	1.37	87.44	87.65	0.21	0.24
Married	1,400	330	10.02	19.07	-0.98*	-8.91	11.00	10.79	-0.21	-1.92
Separated	230	70	1.35	3.35	-0.22*	-13.91	1.56	1.56	#	-0.11

See notes at end of table.

Table M-1. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for all students: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Citizen status at base year										
US citizen	15,810	1,710	94.13	90.90	0.35*	0.37	93.78	93.79	#	#
Resident alien	700	110	4.89	6.53	-0.18	-3.49	5.07	5.07	#	0.08
Foreign or international student	170	30	0.97	2.57	-0.17*	-15.09	1.15	1.14	-0.01	-0.53

† Not applicable.

Rounds to zero.

* $p < .05$.

¹ Weighted using the BPS:04/06 analysis weight.

² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-2. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in public, less-than-2-year institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	†	†	†	†	†	†	†	†	†	†
Mideast DE-DC, MD, NJ, NY, PA	30	10	9.58	7.17	0.51	5.58	9.07	10.92	1.85	20.39
Great Lakes-IL, IN, MI, OH, WI	90	20	23.26	24.52	-0.26	-1.12	23.53	24.86	1.33	5.67
Plains-IA, KS, MN, MO, NE, ND, SD	30	#	11.42	4.49	1.46	14.62	9.97	10.82	0.86	8.60
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	190	50	27.46	27.65	-0.04	-0.14	27.50	26.64	-0.86	-3.14
Southwest-AZ, NM, OK, TX	40	10	11.48	10.04	0.30	2.70	11.17	11.20	0.03	0.24
Rocky Mountains-CO, ID, MT, UT, WY	#	#	0.50	0.95	-0.09	-15.82	0.60	0.48	-0.12	-19.86
Far West-AK, CA, HI, NV, OR, WA	50	20	15.98	25.18	-1.93	-10.79	17.92	14.82	-3.09*	-17.27
Other Jurisdictions-PR	#	†	0.31	†	0.07	26.62	0.25	0.26	0.01	3.49
CPS record available at base year										
Yes	360	90	75.85	62.21	2.87*	3.93	72.98	76.97	3.98*	5.46
No	70	20	24.15	37.79	-2.87*	-10.61	27.02	23.03	-3.98*	-14.74
Applied for federal aid										
Yes	360	90	78.46	62.21	3.42*	4.55	75.04	79.65	4.61*	6.14
No	70	20	21.54	37.79	-3.42*	-13.69	24.96	20.35	-4.61*	-18.45
Pell Grant status										
Received	260	70	54.29	53.91	0.08	0.15	54.21	54.42	0.21	0.39
Did not receive	170	50	45.71	46.09	-0.08	-0.17	45.79	45.58	-0.21	-0.46
Total Pell Grant amount received										
\$0	170	50	45.71	46.09	-0.08	-0.17	45.79	45.58	-0.21	-0.46
Up to \$2,000	100	30	26.95	30.06	-0.65	-2.37	27.60	26.77	-0.84	-3.03
\$2,001–\$3,700	100	20	19.27	18.21	0.22	1.17	19.05	20.25	1.20	6.32
\$3,701 or more	60	10	8.07	5.64	0.51	6.77	7.56	7.40	-0.16	-2.11
Stafford Loan status										
Received	70	20	16.11	18.22	-0.44	-2.68	16.56	17.60	1.04	6.30
Did not receive	360	90	83.89	81.78	0.44	0.53	83.44	82.40	-1.04	-1.25
Total Stafford Loan amount received										
\$0	360	90	83.89	81.78	0.44	0.53	83.44	82.40	-1.04	-1.25
Up to \$2,624	10	0	1.64	5.85	-0.88	-34.95	2.53	2.39	-0.14	-5.41
\$2,625	10	#	2.46	2.05	0.09	3.69	2.37	2.46	0.09	3.62
\$2,626 or more	50	10	12.01	10.33	0.35	3.02	11.65	12.75	1.09	9.39

See notes at end of table.

Table M-2. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in public, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	360	90	79.40	68.71	2.25	2.91	77.15	80.74	3.59*	4.65
1,822–6,690	50	10	15.05	11.54	0.74	5.15	14.31	14.22	-0.09	-0.63
6,691–16,522	10	10	5.12	17.91	-2.69*	-34.46	7.80	4.70	-3.11*	-39.83
16,523 or more	#	†	0.39	†	0.08	26.62	0.31	0.30	-0.01	-2.20
Unknown	#	#	0.05	1.84	-0.38	-89.00	0.42	0.04	-0.38	-90.50
Age at base year										
15 to 18	50	10	8.23	9.40	-0.25	-2.91	8.47	8.40	-0.08	-0.94
19	50	10	12.06	3.24	1.85*	18.16	10.21	10.73	0.52	5.14
20 to 23	60	20	11.38	13.76	-0.50	-4.21	11.88	11.03	-0.85	-7.13
24 to 29	90	30	20.79	25.95	-1.08	-4.95	21.88	21.84	-0.04	-0.18
30+	180	50	47.54	47.65	-0.02	-0.05	47.56	48.00	0.44	0.93
High school graduation year										
Before 1998	230	70	58.26	62.10	-0.81	-1.37	59.07	59.26	0.19	0.32
1998–2002	110	30	23.07	22.39	0.14	0.62	22.92	23.06	0.13	0.58
2003–04	90	20	17.15	15.33	0.38	2.28	16.77	16.31	-0.45	-2.70
Did not complete high school	#	#	1.52	0.17	0.28	22.89	1.24	1.37	0.13	10.69
Dependency status at base year										
Dependent	110	20	23.10	14.85	1.73	8.11	21.37	21.85	0.49	2.28
Independent	320	90	76.90	85.15	-1.73	-2.20	78.63	78.15	-0.49	-0.62
Income level at base year										
Dependent										
Less than \$10,000	10	#	2.48	0.56	0.40	19.45	2.08	2.21	0.13	6.38
\$10,000–\$19,999	20	#	5.45	2.32	0.66	13.72	4.79	4.87	0.08	1.56
\$20,000–\$29,999	20	#	2.33	2.68	-0.07	-3.06	2.40	2.14	-0.26	-10.80
\$30,000–\$39,999	20	10	4.24	3.33	0.19	4.72	4.05	4.45	0.41	10.05
\$40,000–\$49,999	10	#	0.53	1.17	-0.14	-20.56	0.66	0.50	-0.16	-24.44
\$50,000–\$59,999	10	#	2.77	1.29	0.31	12.70	2.46	2.98	0.52	21.21
\$60,000–\$69,999	10	#	0.81	0.55	0.05	7.15	0.75	0.78	0.02	3.11
\$70,000–\$79,999	10	#	3.37	0.36	0.63	23.12	2.74	2.92	0.18	6.65
\$80,000–\$99,999	#	#	0.18	2.59	-0.51	-73.84	0.69	0.19	-0.49	-71.92
\$100,000 or more	10	†	0.94	†	0.20	26.62	0.74	0.80	0.06	8.36

See notes at end of table.

Table M-2. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in public, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	30	20	5.48	25.19	-4.14*	-43.08	9.62	5.57	-4.05*	-42.11
\$10,000–\$19,999	120	30	23.30	26.00	-0.57	-2.38	23.87	24.86	0.99	4.15
\$20,000–\$29,999	60	20	17.84	19.05	-0.25	-1.41	18.10	18.10	0.01	0.05
\$30,000–\$49,999	60	10	16.80	9.43	1.55	10.15	15.25	16.00	0.75	4.92
\$50,000 or more	40	10	13.49	5.47	1.69	14.28	11.81	13.62	1.81	15.37
Race/ethnicity										
White	320	70	68.59	57.36	2.36	3.56	66.22	68.67	2.45	3.69
Black or African American	40	10	9.35	6.10	0.68	7.90	8.67	10.27	1.60	18.47
Hispanic or Latino	30	10	15.57	15.99	-0.09	-0.56	15.66	14.42	-1.24	-7.91
Asian	10	#	1.51	9.76	-1.73*	-53.39	3.25	1.39	-1.85*	-57.06
All other race/ethnicities including more than one race	30	20	4.98	10.79	-1.22	-19.72	6.20	5.25	-0.95	-15.37
Gender										
Male	160	40	41.48	40.72	0.16	0.38	41.32	42.48	1.16	2.81
Female	270	70	58.52	59.28	-0.16	-0.27	58.68	57.52	-1.16	-1.98
Marital status at base year										
Single, divorced, or widowed	260	70	57.41	56.07	0.28	0.50	57.13	57.20	0.07	0.12
Married	150	40	39.55	40.43	-0.19	-0.47	39.74	39.69	-0.04	-0.10
Separated	20	#	3.03	3.50	-0.10	-3.12	3.13	3.10	-0.03	-0.94
Citizen status at base year										
US citizen	410	110	93.21	91.58	0.34	0.37	92.87	93.13	0.25	0.27
Resident alien	20	10	6.50	8.42	-0.40	-5.84	6.90	6.62	-0.29	-4.14
Foreign or international student	#	†	0.28	†	0.06	26.62	0.22	0.26	0.03	14.06

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-3. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in public, 2-year institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	190	20	2.44	3.97	-0.19	-7.22	2.63	2.54	-0.08	-3.22
Mideast DE-DC, MD, NJ, NY, PA	710	100	10.36	10.84	-0.06	-0.57	10.42	10.57	0.15	1.44
Great Lakes-IL, IN, MI, OH, WI	1,010	120	20.00	18.75	0.15	0.77	19.85	20.03	0.19	0.94
Plains-IA, KS, MN, MO, NE, ND, SD	640	90	7.49	6.85	0.08	1.05	7.41	7.39	-0.02	-0.26
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	1,370	200	21.41	23.65	-0.28	-1.27	21.69	21.60	-0.09	-0.43
Southwest-AZ, NM, OK, TX	830	100	15.79	14.64	0.14	0.91	15.65	15.60	-0.04	-0.28
Rocky Mountains-CO, ID, MT, UT, WY	90	20	0.98	0.78	0.03	2.66	0.96	0.98	0.03	2.71
Far West-AK, CA, HI, NV, OR, WA	740	90	21.51	20.48	0.13	0.59	21.38	21.26	-0.12	-0.57
Other Jurisdictions-PR	#	#	0.02	0.02	#	0.66	0.02	0.02	#	-10.85
CPS record available at base year										
Yes	3,450	450	54.01	51.94	0.25	0.47	53.76	53.62	-0.14	-0.27
No	2,130	290	45.99	48.06	-0.25	-0.55	46.24	46.38	0.14	0.31
Applied for federal aid										
Yes	3,760	510	59.71	60.96	-0.15	-0.26	59.87	59.48	-0.38	-0.64
No	1,810	230	40.29	39.04	0.15	0.38	40.13	40.52	0.38	0.95
Pell Grant status										
Received	1,990	280	28.37	26.94	0.18	0.63	28.20	28.31	0.11	0.41
Did not receive	3,580	460	71.63	73.06	-0.18	-0.25	71.80	71.69	-0.11	-0.16
Total Pell Grant amount received										
\$0	3,580	460	71.63	73.06	-0.18	-0.25	71.80	71.69	-0.11	-0.16
Up to \$2,000	750	110	13.48	13.59	-0.01	-0.11	13.49	13.60	0.11	0.81
\$2,001-\$3,700	740	110	9.83	9.88	-0.01	-0.06	9.84	9.89	0.05	0.55
\$3,701 or more	500	60	5.07	3.46	0.20*	4.06	4.87	4.82	-0.05	-0.99
Stafford Loan status										
Received	960	150	10.72	10.67	0.01	0.06	10.71	10.77	0.06	0.54
Did not receive	4,610	590	89.28	89.33	-0.01	-0.01	89.29	89.23	-0.06	-0.07
Total Stafford Loan amount received										
\$0	4,610	590	89.28	89.33	-0.01	-0.01	89.29	89.23	-0.06	-0.07
Up to \$2,624	360	60	4.95	4.80	0.02	0.38	4.93	5.07	0.14	2.90
\$2,625	420	50	4.42	3.96	0.06	1.28	4.36	4.27	-0.09	-2.14
\$2,626 or more	180	40	1.35	1.91	-0.07	-4.82	1.42	1.43	0.01	0.60

See notes at end of table.

Table M-3. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in public, 2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	250	40	4.79	4.77	0.00	0.03	4.79	4.76	-0.03	-0.65
1,822–6,690	1,370	210	23.32	24.71	-0.17	-0.73	23.49	23.40	-0.09	-0.40
6,691–16,522	2,120	280	34.53	36.98	-0.30	-0.87	34.83	34.61	-0.21	-0.61
16,523 or more	1,810	210	36.99	33.24	0.46	1.27	36.53	36.86	0.33	0.90
Unknown	30	10	0.38	0.31	0.01	2.35	0.37	0.38	0.01	2.35
Age at base year										
15 to 18	2,110	190	36.09	24.77	1.39	4.02	34.70	34.61	-0.09	-0.25
19	1,340	170	22.18	20.87	0.16	0.73	22.02	21.74	-0.27	-1.24
20 to 23	870	130	15.73	17.19	-0.18	-1.13	15.91	16.22	0.31	1.95
24 to 29	470	100	8.45	13.85	-0.66	-7.29	9.12	9.09	-0.03	-0.30
30+	790	150	17.55	23.31	-0.71	-3.88	18.26	18.34	0.08	0.43
High school graduation year										
Before 1998	1,080	220	23.15	34.29	-1.37	-5.60	24.52	24.28	-0.24	-0.96
1998–2002	1,170	170	21.97	21.36	0.08	0.34	21.90	22.52	0.62*	2.84
2003–04	3,270	340	53.73	41.86	1.46	2.80	52.27	51.94	-0.33	-0.63
Did not complete high school	50	10	1.15	2.49	-0.16	-12.50	1.32	1.26	-0.06	-4.45
Dependency status at base year										
Dependent	3,830	430	64.80	54.04	1.33	2.09	63.48	63.16	-0.32	-0.50
Independent	1,750	310	35.20	45.96	-1.33	-3.63	36.52	36.84	0.32	0.87
Income level at base year										
Dependent										
Less than \$10,000	280	40	4.35	5.62	-0.16	-3.46	4.51	4.30	-0.21	-4.63
\$10,000–\$19,999	380	50	5.80	4.86	0.12	2.03	5.68	5.70	0.01	0.25
\$20,000–\$29,999	470	40	7.22	3.98	0.40	5.85	6.82	6.99	0.17	2.51
\$30,000–\$39,999	460	50	7.73	5.65	0.26	3.44	7.48	7.57	0.10	1.27
\$40,000–\$49,999	410	50	6.43	6.29	0.02	0.27	6.41	6.29	-0.12	-1.83
\$50,000–\$59,999	360	50	5.93	7.22	-0.16	-2.62	6.09	5.86	-0.22	-3.65
\$60,000–\$69,999	380	30	7.19	5.03	0.27	3.85	6.92	6.92	-0.00	-0.02
\$70,000–\$79,999	260	30	5.25	2.74	0.31	6.26	4.94	5.00	0.06	1.12
\$80,000–\$99,999	360	40	6.03	4.30	0.21	3.66	5.82	5.74	-0.07	-1.28
\$100,000 or more	480	50	8.87	8.36	0.06	0.72	8.81	8.78	-0.03	-0.34

See notes at end of table.

Table M-3. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in public, 2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	290	50	5.21	4.15	0.13	2.57	5.08	5.45	0.37*	7.28
\$10,000–\$19,999	580	110	9.81	14.05	-0.52	-5.04	10.34	10.48	0.14	1.40
\$20,000–\$29,999	280	60	5.18	9.52	-0.53	-9.35	5.72	5.34	-0.37	-6.54
\$30,000–\$49,999	320	50	7.46	8.64	-0.15	-1.92	7.60	7.78	0.17	2.30
\$50,000 or more	280	50	7.54	9.60	-0.25	-3.26	7.79	7.79	-0.00	0.03
Race/ethnicity										
White	3,480	440	61.01	57.55	0.43	0.70	60.58	60.64	0.05	0.09
Black or African American	870	120	14.09	14.65	-0.07	-0.48	14.16	14.00	-0.16	-1.12
Hispanic or Latino	730	110	15.38	17.89	-0.31	-1.97	15.69	15.80	0.11	0.69
Asian	210	30	4.52	4.32	0.02	0.54	4.50	4.41	-0.09	-1.99
All other race/ethnicities including more than one race	290	40	5.00	5.58	-0.07	-1.42	5.07	5.16	0.09	1.71
Gender										
Male	2,360	360	42.87	49.33	-0.80	-1.82	43.66	43.71	0.05	0.11
Female	3,210	370	57.13	50.67	0.80	1.41	56.34	56.29	-0.05	-0.09
Marital status at base year										
Single, divorced, or widowed	4,770	590	83.22	77.01	0.76	0.93	82.45	82.63	0.17	0.21
Married	710	130	15.60	20.67	-0.62	-3.85	16.23	16.07	-0.16	-0.96
Separated	90	20	1.18	2.32	-0.14	-10.62	1.32	1.30	-0.02	-1.40
Citizen status at base year										
US citizen	5,240	680	93.24	90.80	0.30	0.32	92.94	92.94	0.01	0.01
Resident alien	290	40	5.96	6.04	-0.01	-0.17	5.97	6.11	0.14	2.32
Foreign or international student	40	20	0.80	3.15	-0.29	-26.49	1.09	0.95	-0.15	-13.32

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-4. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in public, 4-year, non-doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	120	#	5.02	2.46	0.17	3.47	4.86	5.28	0.42	8.75
Mideast DE-DC, MD, NJ, NY, PA	370	20	22.46	22.26	0.01	0.06	22.45	22.22	-0.23	-1.02
Great Lakes-IL, IN, MI, OH, WI	200	20	14.09	22.74	-0.57	-3.88	14.66	14.32	-0.34	-2.33
Plains-IA, KS, MN, MO, NE, ND, SD	180	#	5.96	2.12	0.25*	4.42	5.71	5.78	0.08	1.34
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	330	30	19.92	20.67	-0.05	-0.25	19.97	19.75	-0.22	-1.08
Southwest-AZ, NM, OK, TX	90	10	7.47	12.19	-0.31	-3.98	7.78	7.83	0.05	0.69
Rocky Mountains-CO, ID, MT, UT, WY	110	10	11.70	16.08	-0.29	-2.40	11.99	11.95	-0.04	-0.31
Far West-AK, CA, HI, NV, OR, WA	150	#	11.60	1.47	0.67*	6.09	10.93	11.19	0.25	2.33
Other Jurisdictions-PR	50	†	1.78	†	0.12	7.03	1.66	1.68	0.02	0.91
CPS record available at base year										
Yes	1,200	70	72.69	72.95	-0.02	-0.02	72.71	72.43	-0.28	-0.38
No	390	30	27.31	27.05	0.02	0.06	27.29	27.57	0.28	1.01
Applied for federal aid										
Yes	1,260	80	77.17	77.43	-0.02	-0.02	77.19	77.21	0.03	0.03
No	330	20	22.83	22.57	0.02	0.07	22.81	22.79	-0.03	-0.12
Pell Grant status										
Received	530	50	32.57	47.06	-0.95	-2.84	33.53	33.48	-0.04	-0.13
Did not receive	1,060	50	67.43	52.94	0.95	1.43	66.47	66.52	0.04	0.07
Total Pell Grant amount received										
\$0	1,060	50	67.43	52.94	0.95	1.43	66.47	66.52	0.04	0.07
Up to \$2,000	160	20	10.25	13.62	-0.22	-2.11	10.48	10.92	0.45	4.27
\$2,001–\$3,700	150	20	9.79	23.25	-0.88	-8.28	10.68	10.11	-0.57	-5.36
\$3,701 or more	210	10	12.53	10.19	0.15	1.24	12.37	12.45	0.08	0.65
Stafford Loan status										
Received	700	40	41.61	39.40	0.15	0.35	41.46	41.61	0.14	0.34
Did not receive	890	60	58.39	60.60	-0.15	-0.25	58.54	58.39	-0.14	-0.24
Total Stafford Loan amount received										
\$0	890	60	58.39	60.60	-0.15	-0.25	58.54	58.39	-0.14	-0.24
Up to \$2,624	120	10	7.19	8.31	-0.07	-1.01	7.26	7.33	0.06	0.89
\$2,625	480	20	26.82	19.45	0.48	1.84	26.33	26.37	0.04	0.14
\$2,626 or more	110	20	7.60	11.64	-0.27	-3.37	7.87	7.91	0.04	0.52

See notes at end of table.

Table M-4. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in public, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	90	#	5.40	0.80	0.30	5.93	5.10	5.57	0.47	9.22
1,822–6,690	660	50	30.82	40.85	-0.66	-2.09	31.48	31.18	-0.31	-0.98
6,691–16,522	610	30	46.21	40.94	0.35	0.76	45.86	45.75	-0.12	-0.25
16,523 or more	230	20	17.57	17.41	0.01	0.06	17.56	17.51	-0.05	-0.27
Unknown	†	†	†	†	†	†	†	†	†	†
Age at base year										
15 to 18	950	40	57.44	37.14	1.33*	2.38	56.11	56.45	0.34	0.61
19	440	20	27.79	20.37	0.49	1.79	27.30	27.71	0.41	1.50
20 to 23	100	10	7.17	18.35	-0.73	-9.30	7.91	7.63	-0.27	-3.43
24 to 29	40	10	3.16	13.36	-0.67	-17.51	3.83	3.35	-0.48	-12.47
30+	60	10	4.43	10.77	-0.42	-8.58	4.85	4.85	-0.00	-0.03
High school graduation year										
Before 1998	100	20	7.21	18.41	-0.74*	-9.26	7.95	7.80	-0.15	-1.93
1998–2002	140	20	10.71	28.19	-1.15*	-9.69	11.86	11.45	-0.41	-3.44
2003–04	1,350	60	81.91	53.39	1.87*	2.34	80.03	80.53	0.50	0.62
Did not complete high school	#	†	0.17	†	0.01	7.03	0.16	0.22	0.07	41.24
Dependency status at base year										
Dependent	1,430	70	88.42	65.87	1.48*	1.70	86.94	87.65	0.71	0.82
Independent	160	30	11.58	34.13	-1.48*	-11.34	13.06	12.35	-0.71	-5.47
Income level at base year										
Dependent										
Less than \$10,000	60	#	3.68	2.54	0.08	2.08	3.61	3.84	0.23	6.31
\$10,000–\$19,999	110	10	6.72	9.56	-0.19	-2.70	6.91	6.65	-0.26	-3.78
\$20,000–\$29,999	150	10	9.02	8.49	0.04	0.39	8.99	8.89	-0.09	-1.05
\$30,000–\$39,999	140	10	9.29	10.72	-0.09	-1.00	9.39	9.85	0.46	4.95
\$40,000–\$49,999	130	10	7.57	8.22	-0.04	-0.57	7.61	8.02	0.41	5.33
\$50,000–\$59,999	140	10	8.73	8.16	0.04	0.43	8.70	8.78	0.09	1.01
\$60,000–\$69,999	150	10	9.30	5.33	0.26	2.89	9.04	8.93	-0.11	-1.21
\$70,000–\$79,999	120	#	7.44	3.49	0.26	3.62	7.18	7.07	-0.11	-1.54
\$80,000–\$99,999	200	#	11.65	0.66	0.72*	6.61	10.93	11.30	0.37	3.34
\$100,000 or more	230	10	15.00	8.70	0.41	2.84	14.59	14.32	-0.26	-1.79

See notes at end of table.

Table M-4. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in public, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	40	10	2.53	10.38	-0.52	-16.92	3.05	2.69	-0.36	-11.67
\$10,000–\$19,999	50	10	3.41	9.53	-0.40	-10.56	3.81	3.57	-0.24	-6.19
\$20,000–\$29,999	30	10	1.70	8.99	-0.48	-22.01	2.18	1.85	-0.32	-14.85
\$30,000–\$49,999	30	#	2.00	1.02	0.06	3.32	1.94	2.12	0.18	9.22
\$50,000 or more	20	#	1.94	4.21	-0.15	-7.12	2.09	2.11	0.02	1.07
Race/ethnicity										
White	1,130	60	72.93	62.92	0.66	0.91	72.27	72.73	0.46	0.64
Black or African American	160	20	7.86	15.43	-0.50	-5.95	8.36	7.81	-0.55	-6.59
Hispanic or Latino	170	10	9.56	11.18	-0.11	-1.10	9.67	9.63	-0.04	-0.41
Asian	70	#	5.41	2.70	0.18	3.41	5.23	5.63	0.39	7.52
All other race/ethnicities including more than one race	70	10	4.24	7.78	-0.23	-5.20	4.47	4.21	-0.26	-5.86
Gender										
Male	660	50	41.56	48.35	-0.45	-1.06	42.00	42.09	0.09	0.22
Female	940	50	58.44	51.65	0.45	0.77	58.00	57.91	-0.09	-0.16
Marital status at base year										
Single, divorced, or widowed	1,530	90	95.62	93.92	0.11	0.12	95.51	95.29	-0.22	-0.23
Married	50	10	3.82	6.08	-0.15	-3.73	3.97	4.14	0.17	4.35
Separated	10	†	0.56	†	0.04*	7.03	0.52	0.56	0.05	8.71
Citizen status at base year										
US citizen	1,520	90	95.03	89.48	0.36	0.39	94.66	94.40	-0.26	-0.28
Resident alien	50	10	3.73	9.68	-0.39	-9.47	4.12	3.86	-0.26	-6.39
Foreign or international student	20	#	1.24	0.84	0.03	2.14	1.21	1.74	0.53	43.51

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-5. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in public, 4-year, doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	170	#	5.51	6.83	-0.04	-0.77	5.55	5.46	-0.09	-1.62
Mideast DE-DC, MD, NJ, NY, PA	230	10	6.32	9.79	-0.11	-1.76	6.43	6.54	0.11	1.64
Great Lakes-IL, IN, MI, OH, WI	670	20	23.23	20.89	0.08	0.33	23.16	23.16	-0.00	-0.01
Plains-IA, KS, MN, MO, NE, ND, SD	310	10	6.91	5.68	0.04	0.59	6.87	6.79	-0.08	-1.16
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	790	20	28.27	14.53	0.45*	1.61	27.82	28.19	0.37	1.32
Southwest-AZ, NM, OK, TX	300	10	11.64	18.77	-0.23	-1.96	11.87	11.73	-0.14	-1.15
Rocky Mountains-CO, ID, MT, UT, WY	160	10	7.19	17.85	-0.35	-4.62	7.53	7.39	-0.15	-1.94
Far West-AK, CA, HI, NV, OR, WA	320	10	10.12	5.65	0.15	1.46	9.98	9.95	-0.03	-0.31
Other Jurisdictions-PR	30	†	0.81	†	0.03	3.37	0.78	0.79	0.01	1.39
CPS record available at base year										
Yes	2,180	60	72.40	66.19	0.20	0.28	72.20	72.43	0.24	0.33
No	820	30	27.60	33.81	-0.20	-0.73	27.80	27.57	-0.24	-0.85
Applied for federal aid										
Yes	2,270	60	75.00	68.11	0.22	0.30	74.77	75.04	0.27	0.36
No	720	20	25.00	31.89	-0.22	-0.89	25.23	24.96	-0.27	-1.07
Pell Grant status										
Received	700	30	23.10	35.70	-0.41*	-1.75	23.51	23.49	-0.02	-0.11
Did not receive	2,290	50	76.90	64.30	0.41*	0.54	76.49	76.51	0.02	0.03
Total Pell Grant amount received										
\$0	2,290	50	76.90	64.30	0.41*	0.54	76.49	76.51	0.02	0.03
Up to \$2,000	230	10	7.31	12.98	-0.19	-2.47	7.49	7.39	-0.10	-1.34
\$2,001–\$3,700	220	10	7.34	12.01	-0.15	-2.03	7.49	7.49	-0.00	-0.01
3,701 or more	260	10	8.46	10.70	-0.07	-0.86	8.53	8.61	0.08	0.90
Stafford Loan status										
Received	1,230	40	40.74	47.33	-0.21	-0.52	40.95	41.00	0.05	0.11
Did not receive	1,760	40	59.26	52.67	0.21	0.36	59.05	59.00	-0.05	-0.08
Total Stafford Loan amount received										
\$0	1,760	40	59.26	52.67	0.21	0.36	59.05	59.00	-0.05	-0.08
Up to \$2,624	190	10	5.78	5.84	0.00	-0.04	5.78	5.84	0.06	1.04
\$2,625	880	20	29.09	30.05	-0.03	-0.11	29.12	29.10	-0.02	-0.07
\$2,626 or more	170	10	5.88	11.44	-0.18	-3.00	6.06	6.07	0.01	0.12

See notes at end of table.

Table M-5. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in public, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	10	#	0.16	0.90	-0.02	-13.06	0.19	0.17	-0.01	-7.37
1,822–6,690	120	#	5.03	3.57	0.05	0.95	4.98	5.02	0.03	0.70
6,691–16,522	830	40	29.93	48.56	-0.61*	-1.99	30.54	30.14	-0.40	-1.30
16,523 or more	2,040	40	64.88	46.97	0.58*	0.91	64.29	64.67	0.38	0.59
Unknown	†	†	†	†	†	†	†	†	†	†
Age at base year										
15 to 18	1,940	40	64.52	47.18	0.57*	0.88	63.96	64.08	0.13	0.20
19	900	20	29.86	17.71	0.40*	1.34	29.46	29.63	0.17	0.58
20 to 23	100	10	3.56	16.25	-0.41*	-10.39	3.98	4.00	0.02	0.59
24 to 29	30	10	1.23	7.77	-0.21*	-14.80	1.44	1.33	-0.11	-7.80
30+	30	10	0.83	11.10	-0.33*	-28.82	1.16	0.95	-0.21	-17.93
High school graduation year										
Before 1998	50	10	1.87	16.26	-0.47*	-20.03	2.34	2.07	-0.28	-11.79
1998–2002	130	20	5.51	22.08	-0.54*	-8.93	6.05	5.88	-0.17	-2.86
2003–04	2,820	60	92.62	61.66	1.01*	1.10	91.61	92.05	0.45	0.49
Did not complete high school	†	†	†	†	†	†	†	†	†	†
Dependency status at base year										
Dependent	2,880	60	95.70	72.55	0.75*	0.79	94.94	95.30	0.36	0.37
Independent	110	20	4.30	27.45	-0.75*	-14.93	5.06	4.70	-0.36	-7.04
Income level at base year										
Dependent										
Less than \$10,000	80	#	3.23	3.16	0.00	0.06	3.23	3.46	0.23	7.28
\$10,000–\$19,999	140	10	4.68	10.69	-0.20	-4.02	4.88	4.74	-0.14	-2.81
\$20,000–\$29,999	210	#	6.58	3.78	0.09	1.40	6.49	6.56	0.08	1.17
\$30,000–\$39,999	240	10	8.05	8.63	-0.02	-0.24	8.06	8.06	-0.01	-0.10
\$40,000–\$49,999	230	#	7.59	5.80	0.06	0.78	7.54	7.60	0.07	0.92
\$50,000–\$59,999	220	10	6.96	5.90	0.03	0.50	6.92	7.02	0.10	1.39
\$60,000–\$69,999	300	10	10.27	4.90	0.18*	1.73	10.10	10.11	0.01	0.11
\$70,000–\$79,999	230	#	7.89	3.47	0.14*	1.86	7.75	7.80	0.06	0.74
\$80,000–\$99,999	430	10	13.48	8.02	0.18	1.34	13.30	13.24	-0.06	-0.44
\$100,000 or more	810	20	26.97	18.19	0.29	1.07	26.69	26.70	0.01	0.06

See notes at end of table.

Table M-5. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in public, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	30	#	1.20	7.36	-0.20	-14.33	1.40	1.20	-0.20	-14.60
\$10,000–\$19,999	30	10	1.13	5.01	-0.13	-10.09	1.25	1.27	0.01	1.17
\$20,000–\$29,999	20	#	0.67	6.09	-0.18	-20.72	0.85	0.73	-0.12	-14.09
\$30,000–\$49,999	20	#	0.90	3.25	-0.08	-7.81	0.98	1.08	0.10	10.44
\$50,000 or more	10	#	0.39	5.74	-0.17	-30.62	0.57	0.42	-0.15	-26.07
Race/ethnicity										
White	2,100	50	68.32	60.01	0.27	0.40	68.05	68.16	0.11	0.16
Black or African American	280	10	9.69	12.13	-0.08	-0.82	9.77	9.78	0.01	0.08
Hispanic or Latino	270	10	9.53	11.14	-0.05	-0.55	9.58	9.65	0.07	0.70
Asian	200	10	6.91	13.09	-0.20	-2.83	7.12	6.90	-0.22	-3.10
All other race/ethnicities including more than one race	150	#	5.54	3.63	0.06	1.14	5.48	5.52	0.04	0.68
Gender										
Male	1,360	50	45.30	59.73	-0.47*	-1.03	45.77	45.97	0.20	0.44
Female	1,630	30	54.70	40.27	0.47*	0.87	54.23	54.03	-0.20	-0.37
Marital status at base year										
Single, divorced, or widowed	2,950	80	98.43	89.82	0.28*	0.29	98.15	98.18	0.04	0.04
Married	40	10	1.57	8.43	-0.22*	-12.44	1.80	1.82	0.02	1.20
Separated	†	#	†	1.75	-0.06	-100.00	0.06	#	-0.06	-100.00
Citizen status at base year										
US citizen	2,880	80	96.17	90.41	0.19	0.20	95.98	96.07	0.09	0.09
Resident alien	90	†	3.11	†	0.10*	3.37	3.01	3.20	0.19	6.47
Foreign or international student	20	10	0.72	9.59	-0.29*	-28.63	1.01	0.73	-0.28	-27.82

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-6. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, nonprofit, less-than-4-year institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	10	#	1.73	2.23	-0.07	-3.97	1.80	1.90	0.10	5.29
Mideast DE-DC, MD, NJ, NY, PA	70	10	18.31	14.07	0.61	3.46	17.70	18.34	0.64	3.62
Great Lakes-IL, IN, MI, OH, WI	60	10	12.69	9.05	0.53	4.33	12.16	12.74	0.58	4.74
Plains-IA, KS, MN, MO, NE, ND, SD	30	#	4.69	4.69	#	#	4.69	4.54	-0.15	-3.27
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	80	20	20.30	27.78	-1.08	-5.06	21.38	19.61	-1.77	-8.27
Southwest-AZ, NM, OK, TX	10	#	2.25	2.03	0.03	1.40	2.22	2.05	-0.16	-7.26
Rocky Mountains-CO, ID, MT, UT, WY	10	†	2.28	†	0.33	16.91	1.95	2.26	0.31	15.81
Far West-AK, CA, HI, NV, OR, WA	150	40	21.69	29.81	-1.17	-5.14	22.86	22.28	-0.59	-2.57
Other Jurisdictions-PR	30	10	16.06	10.33	0.83	5.44	15.23	16.28	1.05	6.90
CPS record available at base year										
Yes	390	80	89.46	86.74	0.39	0.44	89.07	89.73	0.66	0.74
No	60	10	10.54	13.26	-0.39	-3.60	10.93	10.27	-0.66	-6.00
Applied for federal aid										
Yes	400	80	91.10	91.39	-0.04	-0.05	91.14	91.42	0.27	0.30
No	40	10	8.90	8.61	0.04	0.47	8.86	8.58	-0.27	-3.10
Pell Grant status										
Received	270	60	66.74	72.60	-0.85	-1.25	67.59	67.58	-0.01	-0.01
Did not receive	170	30	33.26	27.40	0.85	2.61	32.41	32.42	0.01	0.03
Total Pell Grant amount received										
\$0	170	30	33.26	27.40	0.85	2.61	32.41	32.42	0.01	0.03
Up to \$2,000	60	20	15.16	16.21	-0.15	-0.99	15.31	15.09	-0.22	-1.44
\$2,001–\$3,700	100	10	26.41	20.64	0.83	3.26	25.57	26.60	1.03	4.01
\$3,701 or more	110	30	25.18	35.75	-1.53	-5.73	26.71	25.89	-0.82	-3.05
Stafford Loan status										
Received	230	50	41.78	45.17	-0.49	-1.16	42.27	42.41	0.13	0.31
Did not receive	220	40	58.22	54.83	0.49	0.85	57.73	57.59	-0.13	-0.23
Total Stafford Loan amount received										
\$0	220	40	58.22	54.83	0.49	0.85	57.73	57.59	-0.13	-0.23
Up to \$2,624	40	10	7.34	13.19	-0.85	-10.33	8.19	7.17	-1.02	-12.42
\$2,625	60	10	12.49	7.06	0.78	6.71	11.70	11.92	0.22	1.90
\$2,626 or more	130	30	21.95	24.92	-0.43	-1.92	22.38	23.31	0.93	4.14

See notes at end of table.

Table M-6. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, nonprofit, less-than-4-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	350	70	72.81	82.16	-1.35	-1.82	74.17	71.84	-2.32	-3.13
1,822–6,690	90	20	23.44	17.62	0.84	3.72	22.60	24.74	2.14	9.47
6,691–16,522	#	†	1.48	†	0.21	16.91	1.27	1.44	0.17	13.41
16,523 or more	#	†	1.81	†	0.26	16.91	1.55	1.54	#	-0.27
Unknown	10	#	0.46	0.21	0.04	8.41	0.42	0.44	0.02	4.18
Age at base year										
15 to 18	160	30	34.54	33.77	0.11	0.32	34.42	33.26	-1.17	-3.39
19	100	20	17.84	15.45	0.34	1.97	17.49	17.16	-0.33	-1.89
20 to 23	70	10	20.34	15.89	0.64	3.26	19.69	20.65	0.95	4.85
24 to 29	40	10	8.95	10.42	-0.21	-2.31	9.17	9.80	0.63	6.91
30+	70	20	18.34	24.47	-0.89	-4.61	19.22	19.13	-0.09	-0.47
High school graduation year										
Before 1998	100	30	25.85	28.53	-0.39	-1.48	26.24	27.56	1.32	5.04
1998–2002	100	20	27.60	25.46	0.31	1.13	27.29	28.83	1.55	5.67
2003–04	240	40	45.63	41.12	0.65	1.45	44.98	42.73	-2.25	-5.00
Did not complete high school	10	#	0.93	4.89	-0.57	-38.25	1.50	0.88	-0.62	-41.47
Dependency status at base year										
Dependent	280	40	59.58	44.89	2.12	3.70	57.46	58.46	1.00	1.74
Independent	170	40	40.42	55.11	-2.12	-4.99	42.54	41.54	-1.00	-2.36
Income level at base year										
Dependent										
Less than \$10,000	40	10	12.12	11.46	0.10	0.80	12.02	13.59	1.57	13.02
\$10,000–\$19,999	40	10	7.01	5.70	0.19	2.78	6.82	6.72	-0.10	-1.48
\$20,000–\$29,999	40	10	11.84	8.40	0.50	4.39	11.34	11.40	0.06	0.51
\$30,000–\$39,999	40	#	6.25	3.17	0.45	7.68	5.81	5.80	-0.00	-0.04
\$40,000–\$49,999	20	#	3.07	2.63	0.06	2.15	3.01	2.79	-0.22	-7.30
\$50,000–\$59,999	20	10	2.69	6.33	-0.53	-16.39	3.21	2.96	-0.25	-7.80
\$60,000–\$69,999	30	#	3.81	1.44	0.34	9.88	3.46	3.65	0.19	5.47
\$70,000–\$79,999	10	10	2.49	4.19	-0.25	-9.01	2.73	2.27	-0.47	-17.06
\$80,000–\$99,999	20	#	2.56	0.46	0.30	13.48	2.26	2.32	0.06	2.54
\$100,000 or more	20	#	7.74	1.13	0.96	14.10	6.78	6.96	0.17	2.53

See notes at end of table.

Table M-6. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, nonprofit, less-than-4-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	50	10	11.05	20.77	-1.41	-11.28	12.46	11.81	-0.65	-5.23
\$10,000–\$19,999	70	10	17.66	18.43	-0.11	-0.63	17.77	17.51	-0.26	-1.45
\$20,000–\$29,999	30	10	5.94	5.83	0.02	0.27	5.93	6.32	0.40	6.67
\$30,000–\$49,999	10	10	3.66	6.04	-0.34	-8.58	4.00	3.76	-0.24	-6.03
\$50,000 or more	10	#	2.11	4.04	-0.28	-11.69	2.39	2.14	-0.25	-10.36
Race/ethnicity										
White	180	40	39.19	34.78	0.64	1.65	38.55	38.23	-0.32	-0.83
Black or African American	60	20	14.04	25.77	-1.70	-10.78	15.74	13.86	-1.88	-11.92
Hispanic or Latino	120	30	35.30	30.09	0.75	2.18	34.55	36.29	1.74	5.04
Asian	30	#	4.14	2.99	0.17	4.18	3.97	4.22	0.24	6.06
All other race/ethnicities including more than one race	50	10	7.33	6.37	0.14	1.93	7.19	7.40	0.21	2.98
Gender										
Male	150	30	36.87	32.57	0.62	1.72	36.25	38.54	2.30	6.34
Female	290	60	63.13	67.43	-0.62	-0.98	63.75	61.46	-2.30	-3.60
Marital status at base year										
Single, divorced, or widowed	370	70	80.51	74.02	0.94	1.18	79.57	80.52	0.95	1.19
Married	60	20	16.50	18.26	-0.25	-1.51	16.76	16.33	-0.42	-2.54
Separated	10	10	2.99	7.73	-0.69	-18.65	3.67	3.15	-0.52	-14.23
Citizen status at base year										
US citizen	390	80	90.23	84.72	0.80	0.89	89.43	89.82	0.38	0.43
Resident alien	40	10	9.05	15.28	-0.90	-9.05	9.95	9.34	-0.61	-6.17
Foreign or international student	10	†	0.71	†	0.10	16.91	0.61	0.84	0.23	37.52

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-7. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, nonprofit, 4-year, non-doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	210	10	8.28	13.13	-0.27	-3.18	8.55	8.22	-0.33	-3.87
Mideast DE-DC, MD, NJ, NY, PA	340	10	16.03	10.26	0.32	2.06	15.71	15.88	0.18	1.14
Great Lakes-IL, IN, MI, OH, WI	410	20	19.74	26.02	-0.35	-1.75	20.09	19.92	-0.17	-0.86
Plains-IA, KS, MN, MO, NE, ND, SD	470	20	18.20	13.87	0.24	1.35	17.95	18.18	0.23	1.26
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	450	20	21.94	26.08	-0.23	-1.05	22.17	22.20	0.03	0.13
Southwest-AZ, NM, OK, TX	60	#	2.30	0.38	0.11*	4.91	2.19	2.34	0.15	6.80
Rocky Mountains-CO, ID, MT, UT, WY	40	†	2.18	†	0.12*	5.93	2.06	2.11	0.05	2.37
Far West-AK, CA, HI, NV, OR, WA	180	10	7.55	3.22	0.24	3.32	7.31	7.33	0.02	0.23
Other Jurisdictions-PR	30	#	3.79	7.05	-0.18	-4.59	3.97	3.83	-0.15	-3.65
CPS record available at base year										
Yes	1,830	70	81.79	79.85	0.11	0.13	81.68	81.04	-0.65	-0.79
No	370	20	18.21	20.15	-0.11	-0.59	18.32	18.96	0.65	3.52
Applied for federal aid										
Yes	1,890	70	84.25	80.96	0.18	0.22	84.06	83.57	-0.49	-0.59
No	310	20	15.75	19.04	-0.18	-1.15	15.94	16.43	0.49	3.09
Pell Grant status										
Received	630	40	31.18	54.60	-1.31*	-4.03	32.49	32.12	-0.36	-1.12
Did not receive	1,570	40	68.82	45.40	1.31*	1.94	67.51	67.88	0.36	0.54
Total Pell Grant amount received										
\$0	1,570	40	68.82	45.40	1.31*	1.94	67.51	67.88	0.36	0.54
Up to \$2,000	210	20	11.51	26.00	-0.81	-6.58	12.32	11.75	-0.57	-4.64
\$2,001–\$3,700	200	20	10.17	16.67	-0.36	-3.45	10.54	10.61	0.07	0.65
\$3,701 or more	220	10	9.50	11.93	-0.14	-1.41	9.63	9.77	0.14	1.44
Stafford Loan status										
Received	1,330	50	57.75	49.17	0.48	0.84	57.27	57.55	0.28	0.50
Did not receive	860	40	42.25	50.83	-0.48	-1.12	42.73	42.45	-0.28	-0.66
Total Stafford Loan amount received										
\$0	860	40	42.25	50.83	-0.48	-1.12	42.73	42.45	-0.28	-0.66
Up to \$2,624	140	10	5.67	4.44	0.07	1.23	5.60	5.64	0.04	0.67
\$2,625	980	20	39.51	14.88	1.38*	3.61	38.13	38.64	0.51	1.35
\$2,626 or more	210	20	12.57	29.85	-0.97*	-7.14	13.54	13.27	-0.27	-1.98

See notes at end of table.

Table M-7. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, nonprofit, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	1,020	30	41.00	32.07	0.50	1.23	40.50	40.67	0.17	0.41
1,822–6,690	1,060	40	49.91	45.61	0.24	0.48	49.67	49.50	-0.16	-0.33
6,691–16,522	80	10	5.50	12.42	-0.39	-6.57	5.89	5.59	-0.30	-5.05
16,523 or more	20	10	2.48	9.91	-0.42	-14.36	2.89	2.83	-0.06	-2.10
Unknown	10	†	1.11	†	0.06	5.93	1.05	1.40	0.36	33.99
Age at base year										
15 to 18	1,240	30	54.19	28.98	1.41*	2.67	52.78	52.89	0.11	0.20
19	730	20	30.15	20.99	0.51	1.73	29.63	29.62	-0.01	-0.04
20 to 23	110	10	6.07	17.48	-0.64	-9.52	6.71	6.50	-0.21	-3.08
24 to 29	40	10	3.49	15.11	-0.65*	-15.72	4.14	3.82	-0.31	-7.61
30+	80	20	6.11	17.45	-0.63	-9.41	6.74	7.17	0.43	6.33
High school graduation year										
Before 1998	110	20	8.96	27.32	-1.03*	-10.29	9.98	10.28	0.30	2.98
1998–2002	140	20	8.67	24.23	-0.87*	-9.13	9.54	9.20	-0.34	-3.54
2003–04	1,940	50	82.35	48.45	1.90*	2.36	80.45	80.48	0.03	0.03
Did not complete high school	#	†	0.03	†	#	5.93	0.03	0.04	0.01	40.18
Dependency status at base year										
Dependent	2,020	50	87.59	54.75	1.84*	2.14	85.76	86.05	0.29	0.34
Independent	170	30	12.41	45.25	-1.84*	-12.90	14.24	13.95	-0.29	-2.05
Income level at base year										
Dependent										
Less than \$10,000	80	10	3.42	9.02	-0.31	-8.40	3.73	3.70	-0.04	-1.03
\$10,000–\$19,999	100	#	5.03	4.98	#	0.05	5.03	5.28	0.25	5.04
\$20,000–\$29,999	170	10	6.71	6.59	0.01	0.09	6.70	6.69	-0.01	-0.20
\$30,000–\$39,999	180	10	8.87	6.00	0.16	1.85	8.71	8.72	0.01	0.13
\$40,000–\$49,999	170	10	8.29	11.38	-0.17	-2.05	8.46	8.40	-0.06	-0.65
\$50,000–\$59,999	160	10	6.42	4.52	0.11	1.68	6.32	6.36	0.04	0.62
\$60,000–\$69,999	180	#	7.66	0.65	0.39*	5.39	7.27	7.39	0.11	1.56
\$70,000–\$79,999	170	#	6.55	1.11	0.30*	4.87	6.24	6.18	-0.07	-1.05
\$80,000–\$99,999	310	#	13.17	2.81	0.58*	4.60	12.59	12.66	0.07	0.57
\$100,000 or more	510	10	21.47	7.68	0.77*	3.73	20.70	20.67	-0.02	-0.11

See notes at end of table.

Table M-7. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, nonprofit, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	20	#	1.01	6.45	-0.30	-23.11	1.32	1.02	-0.30	-22.82
\$10,000–\$19,999	60	10	3.84	19.23	-0.86	-18.31	4.70	4.33	-0.37	-7.92
\$20,000–\$29,999	30	#	2.13	1.00	0.06	3.06	2.07	2.27	0.20	9.81
\$30,000–\$49,999	30	10	2.37	12.20	-0.55	-18.81	2.92	2.60	-0.33	-11.14
\$50,000 or more	30	10	3.05	6.37	-0.19	-5.73	3.24	3.74	0.50	15.55
Race/ethnicity										
White	1,680	50	71.76	50.31	1.20*	1.70	70.56	70.73	0.17	0.24
Black or African American	220	20	12.77	28.86	-0.90*	-6.59	13.67	13.23	-0.44	-3.22
Hispanic or Latino	140	10	9.33	16.63	-0.41	-4.19	9.74	9.77	0.04	0.38
Asian	70	#	2.71	1.57	0.06	2.40	2.64	2.89	0.25	9.29
All other race/ethnicities including more than one race	90	10	3.44	2.63	0.04	1.32	3.39	3.38	-0.01	-0.33
Gender										
Male	920	40	43.43	47.79	-0.24	-0.56	43.68	44.49	0.81	1.86
Female	1,270	50	56.57	52.21	0.24	0.43	56.32	55.51	-0.81	-1.44
Marital status at base year										
Single, divorced, or widowed	2,130	80	94.59	86.92	0.43	0.46	94.17	93.91	-0.25	-0.27
Married	60	10	4.17	13.08	-0.50	-10.68	4.67	4.78	0.11	2.42
Separated	10	†	1.23	†	0.07*	5.93	1.16	1.30	0.14	12.04
Citizen status at base year										
US citizen	2,120	80	95.70	93.62	0.12	0.12	95.58	95.32	-0.27	-0.28
Resident alien	40	10	2.35	3.43	-0.06	-2.52	2.41	2.33	-0.08	-3.42
Foreign or international student	30	#	1.95	2.95	-0.06	-2.79	2.01	2.36	0.35	17.45

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-8. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, nonprofit, 4-year, doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	310	10	26.85	48.73	-0.55	-2.02	27.40	27.27	-0.14	-0.50
Mideast DE-DC, MD, NJ, NY, PA	450	10	28.16	28.96	-0.02	-0.07	28.18	28.39	0.21	0.76
Great Lakes-IL, IN, MI, OH, WI	170	#	10.68	7.31	0.09	0.80	10.60	10.53	-0.07	-0.68
Plains-IA, KS, MN, MO, NE, ND, SD	50	†	2.33	†	0.06*	2.59	2.27	2.25	-0.02	-1.04
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	160	#	10.89	1.67	0.23*	2.18	10.66	10.80	0.14	1.34
Southwest-AZ, NM, OK, TX	100	#	4.41	5.31	-0.02	-0.51	4.43	4.39	-0.05	-1.09
Rocky Mountains-CO, ID, MT, UT, WY	60	†	4.25	†	0.11*	2.59	4.14	4.15	0.01	0.28
Far West-AK, CA, HI, NV, OR, WA	160	#	11.46	4.04	0.19	1.66	11.27	11.26	-0.01	-0.11
Other Jurisdictions-PR	30	#	0.98	3.98	-0.08	-7.21	1.05	0.98	-0.08	-7.14
CPS record available at base year										
Yes	1,080	20	71.79	59.45	0.31	0.44	71.48	71.31	-0.17	-0.24
No	410	10	28.21	40.55	-0.31	-1.09	28.52	28.69	0.17	0.60
Applied for federal aid										
Yes	1,140	20	75.88	68.75	0.18	0.24	75.70	75.68	-0.02	-0.03
No	350	10	24.12	31.25	-0.18	-0.74	24.30	24.32	0.02	0.10
Pell Grant status										
Received	330	10	21.07	28.39	-0.18	-0.87	21.26	21.32	0.06	0.27
Did not receive	1,160	20	78.93	71.61	0.18	0.23	78.74	78.68	-0.06	-0.07
Total Pell Grant amount received										
\$0	1,160	20	78.93	71.61	0.18	0.23	78.74	78.68	-0.06	-0.07
Up to \$2,000	120	#	7.39	9.27	-0.05	-0.64	7.44	7.51	0.07	0.99
\$2,001–\$3,700	90	#	5.73	10.88	-0.13	-2.22	5.86	5.86	-0.00	0.07
\$3,701 or more	130	0	7.96	8.23	-0.01	-0.09	7.96	7.94	-0.02	-0.24
Stafford Loan status										
Received	720	20	48.46	50.86	-0.06	-0.13	48.52	48.56	0.04	0.08
Did not receive	770	10	51.54	49.14	0.06	0.12	51.48	51.44	-0.04	-0.08
Total Stafford Loan amount received										
\$0	770	10	51.54	49.14	0.06	0.12	51.48	51.44	-0.04	-0.08
Up to \$2,624	60	0	3.31	4.16	-0.02	-0.64	3.34	3.39	0.05	1.48
\$2,625	560	10	36.95	33.34	0.09	0.25	36.86	36.70	-0.16	-0.43
\$2,626 or more	100	#	8.19	13.36	-0.13	-1.57	8.32	8.47	0.15	1.78

See notes at end of table.

Table M-8. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, nonprofit, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	100	10	6.32	16.77	-0.26	-4.01	6.58	6.31	-0.27	-4.14
1,822–6,690	610	10	39.98	26.28	0.35	0.87	39.64	39.64	-0.00	0.01
6,691–16,522	540	10	37.36	56.95	-0.49	-1.31	37.85	37.76	-0.09	-0.24
16,523 or more	240	†	16.26	†	0.41*	2.59	15.84	16.21	0.37	2.31
Unknown	#	†	0.08	†	#	2.59	0.08	0.08	-0.01	-6.67
Age at base year										
15 to 18	1,020	20	68.24	53.22	0.38	0.56	67.86	67.87	0.01	0.01
19	410	10	27.66	24.55	0.08	0.28	27.58	27.51	-0.06	-0.23
20 to 23	40	#	3.08	21.36	-0.46	-13.05	3.54	3.37	-0.17	-4.78
24 to 29	10	#	0.30	0.56	-0.01	-2.10	0.31	0.40	0.09	30.06
30+	10	#	0.73	0.31	0.01	1.49	0.72	0.85	0.13	18.45
High school graduation year										
Before 1998	20	#	1.13	0.56	0.01	1.29	1.11	1.34	0.23	20.19
1998–2002	50	#	4.19	23.80	-0.50	-10.57	4.68	4.51	-0.17	-3.72
2003–04	1,410	30	93.97	75.33	0.47	0.50	93.50	93.30	-0.20	-0.21
Did not complete high school	#	#	0.71	0.31	0.01	1.46	0.70	0.85	0.15	21.38
Dependency status at base year										
Dependent	1,450	30	98.15	99.14	-0.03	-0.03	98.17	97.90	-0.27	-0.28
Independent	40	#	1.85	0.86	0.03	1.37	1.83	2.10	0.27	14.86
Income level at base year										
Dependent										
Less than \$10,000	50	†	2.89	†	0.07*	2.59	2.82	2.86	0.05	1.65
\$10,000–\$19,999	80	#	5.44	2.67	0.07	1.30	5.37	5.65	0.28	5.15
\$20,000–\$29,999	100	10	6.23	35.65	-0.74	-10.66	6.97	6.25	-0.72	-10.31
\$30,000–\$39,999	120	#	8.33	11.86	-0.09	-1.06	8.42	8.40	-0.01	-0.14
\$40,000–\$49,999	110	#	8.13	9.19	-0.03	-0.33	8.16	8.27	0.11	1.34
\$50,000–\$59,999	90	#	5.92	7.50	-0.04	-0.67	5.96	5.98	0.01	0.23
\$60,000–\$69,999	120	#	8.69	9.45	-0.02	-0.22	8.71	8.88	0.17	1.91
\$70,000–\$79,999	80	#	5.01	4.55	0.01	0.24	5.00	5.09	0.09	1.84
\$80,000–\$99,999	200	#	12.30	8.01	0.11	0.89	12.19	12.07	-0.12	-1.01
\$100,000 or more	520	#	35.19	10.26	0.63*	1.82	34.56	34.44	-0.12	-0.36

See notes at end of table.

Table M-8. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, nonprofit, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	10	†	0.61	†	0.02	2.59	0.59	0.60	0.01	1.00
\$10,000–\$19,999	10	#	0.34	0.56	-0.01	-1.65	0.34	0.46	0.12	36.18
\$20,000–\$29,999	10	#	0.15	0.31	0.00	-2.43	0.16	0.18	0.02	12.63
\$30,000–\$49,999	10	†	0.41	†	0.01	2.59	0.40	0.51	0.11	27.10
\$50,000 or more	10	†	0.35	†	0.01	2.59	0.34	0.36	0.01	4.28
Race/ethnicity										
White	1,020	20	68.31	53.58	0.37	0.55	67.93	67.42	-0.52	-0.76
Black or African American	120	#	8.75	6.04	0.07	0.79	8.68	8.89	0.22	2.50
Hispanic or Latino	150	10	9.87	16.76	-0.17	-1.73	10.04	10.25	0.21	2.09
Asian	140	#	8.84	23.06	-0.36	-3.90	9.20	9.22	0.03	0.30
All other race/ethnicities including more than one race	70	#	4.24	0.56	0.09*	2.24	4.15	4.21	0.06	1.47
Gender										
Male	620	10	42.62	48.91	-0.16	-0.37	42.78	43.35	0.57	1.33
Female	870	20	57.38	51.09	0.16	0.28	57.22	56.65	-0.57	-1.00
Marital status at base year										
Single, divorced, or widowed	1,480	30	99.50	100.00	-0.01	-0.01	99.52	99.37	-0.14	-0.14
Married	10	†	0.37	†	0.01	2.59	0.36	0.48	0.12	32.57
Separated	#	†	0.13	†	#	2.59	0.12	0.15	0.03	21.39
Citizen status at base year										
US citizen	1,420	30	94.15	73.73	0.52	0.55	93.63	93.07	-0.56	-0.60
Resident alien	30	†	2.89	†	0.07*	2.59	2.81	3.09	0.27	9.69
Foreign or international student	40	#	2.96	26.27	-0.59	-16.57	3.55	3.84	0.29	8.17

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-9. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, for-profit, less-than-2-year institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	80	30	4.23	7.99	-0.97	-18.60	5.20	4.62	-0.58	-11.21
Mideast DE-DC, MD, NJ, NY, PA	180	80	14.66	19.94	-1.36*	-8.49	16.02	15.30	-0.72	-4.50
Great Lakes-IL, IN, MI, OH, WI	130	50	15.71	17.47	-0.45	-2.80	16.17	15.49	-0.67	-4.16
Plains-IA, KS, MN, MO, NE, ND, SD	40	20	3.16	3.83	-0.17	-5.19	3.33	3.02	-0.31	-9.35
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	160	60	13.67	11.82	0.48	3.61	13.19	14.01	0.82	6.19
Southwest-AZ, NM, OK, TX	230	80	30.45	25.48	1.28	4.38	29.17	30.48	1.31	4.48
Rocky Mountains-CO, ID, MT, UT, WY	20	10	0.88	0.33	0.14*	19.29	0.74	0.88	0.14*	19.60
Far West-AK, CA, HI, NV, OR, WA	170	50	12.52	10.88	0.42	3.51	12.10	11.98	-0.12	-1.00
Other Jurisdictions-PR	60	10	4.72	2.26	0.63*	15.46	4.08	4.23	0.14	3.50
CPS record available at base year										
Yes	990	350	95.08	96.26	-0.30	-0.32	95.38	95.69	0.31	0.32
No	90	30	4.92	3.74	0.30	6.57	4.62	4.31	-0.31	-6.68
Applied for federal aid										
Yes	1,000	360	96.41	99.14	-0.70*	-0.72	97.12	96.95	-0.16	-0.17
No	70	20	3.59	0.86	0.70*	24.32	2.88	3.05	0.16	5.61
Pell Grant status										
Received	790	300	90.47	94.94	-1.15*	-1.26	91.62	91.55	-0.07	-0.08
Did not receive	280	80	9.53	5.06	1.15*	13.73	8.38	8.45	0.07	0.88
Total Pell Grant amount received										
\$0	280	80	9.53	5.06	1.15*	13.73	8.38	8.45	0.07	0.88
Up to \$2,000	180	60	19.12	21.74	-0.67	-3.40	19.79	19.61	-0.18	-0.92
\$2,001–\$3,700	290	110	35.10	37.90	-0.72	-2.01	35.82	36.09	0.27	0.75
\$3,701 or more	320	130	36.25	35.31	0.24	0.67	36.01	35.85	-0.16	-0.45
Stafford Loan status										
Received	740	270	72.72	77.44	-1.21	-1.64	73.94	73.63	-0.31	-0.41
Did not receive	330	110	27.28	22.56	1.21	4.66	26.06	26.37	0.31	1.17
Total Stafford Loan amount received										
\$0	330	110	27.28	22.56	1.21	4.66	26.06	26.37	0.31	1.17
Up to \$2,624	120	40	17.57	14.53	0.78	4.65	16.79	17.13	0.34	2.03
\$2,625	120	30	12.91	6.36	1.69*	15.01	11.22	11.92	0.70	6.20
\$2,626 or more	500	200	42.25	56.55	-3.68*	-8.01	45.93	44.59	-1.34	-2.92

See notes at end of table.

Table M-9. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, for-profit, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	1,010	350	96.79	95.99	0.20	0.21	96.58	96.79	0.21	0.21
1,822–6,690	20	10	1.51	3.25	-0.45	-22.75	1.96	1.64	-0.32	16.42
6,691–16,522	10	†	0.49	†	0.13	34.65	0.36	0.37	0.01	3.48
16,523 or more	10	#	0.66	0.18	0.12	22.77	0.54	0.66	0.12	21.56
Unknown	30	10	0.55	0.58	-0.01	-1.20	0.56	0.54	-0.01	-2.39
Age at base year										
15 to 18	220	70	22.00	17.68	1.11	5.32	20.89	20.75	-0.14	-0.65
19	180	50	15.77	13.22	0.66	4.35	15.11	14.40	-0.72	-4.74
20 to 23	250	80	25.46	23.23	0.58	2.31	24.89	25.90	1.01	4.04
24 to 29	200	80	17.65	22.84	-1.34*	-7.04	18.98	19.16	0.18	0.94
30+	240	100	19.12	23.04	-1.01	-5.01	20.13	19.80	-0.33	-1.66
High school graduation year										
Before 1998	340	150	26.83	35.89	-2.33*	-7.99	29.16	28.12	-1.04	-3.56
1998–2002	330	110	32.36	28.90	0.89	2.83	31.47	32.42	0.95	3.02
2003–04	360	100	35.83	30.08	1.48	4.30	34.35	34.25	-0.10	-0.29
Did not complete high school	50	20	4.98	5.13	-0.04	-0.78	5.02	5.20	0.19	3.70
Dependency status at base year										
Dependent	430	130	41.42	35.93	1.41	3.53	40.01	39.46	-0.55	-1.37
Independent	640	250	58.58	64.07	-1.41	-2.36	59.99	60.54	0.55	0.91
Income level at base year										
Dependent										
Less than \$10,000	60	30	6.19	8.98	-0.72	-10.38	6.91	6.79	-0.12	-1.75
\$10,000–\$19,999	100	30	9.62	8.70	0.23	2.50	9.38	9.13	-0.25	-2.69
\$20,000–\$29,999	80	30	10.57	8.24	0.60	6.02	9.97	9.69	-0.28	-2.80
\$30,000–\$39,999	50	20	7.18	7.28	-0.03	-0.38	7.20	6.64	-0.57	-7.87
\$40,000–\$49,999	30	10	2.82	1.39	0.37*	14.94	2.45	2.70	0.25	10.32
\$50,000–\$59,999	40	#	1.86	0.32	0.40*	27.05	1.46	1.82	0.36*	24.58
\$60,000–\$69,999	10	10	0.58	0.23	0.09	18.56	0.49	0.53	0.04	7.40
\$70,000–\$79,999	20	#	0.43	0.03	0.10*	31.69	0.33	0.35	0.02	5.82
\$80,000–\$99,999	20	10	0.64	0.43	0.05	9.34	0.58	0.52	-0.07	-11.49
\$100,000 or more	20	10	1.54	0.34	0.31	25.23	1.23	1.30	0.07	5.63

See notes at end of table.

Table M-9. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, for-profit, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	150	70	14.52	15.23	-0.18	-1.25	14.70	14.32	-0.39	-2.62
\$10,000–\$19,999	300	110	30.57	33.05	-0.64	-2.05	31.21	32.22	1.02	3.26
\$20,000–\$29,999	110	30	8.97	7.17	0.46	5.45	8.51	9.52	1.01	11.83
\$30,000–\$49,999	60	30	3.73	7.35	-0.93*	-20.01	4.66	3.68	-0.98*	-21.05
\$50,000 or more	40	10	0.79	1.26	-0.12	-13.26	0.91	0.80	-0.11	-11.85
Race/ethnicity										
White	380	130	31.16	30.09	0.28	0.89	30.88	30.99	0.10	0.34
Black or African American	270	90	27.72	21.17	1.69	6.47	26.04	27.37	1.33*	5.11
Hispanic or Latino	340	130	35.02	40.66	-1.45	-3.98	36.47	34.86	-1.61	-4.42
Asian	30	10	1.98	2.73	-0.19	-8.83	2.17	2.07	-0.10	-4.56
All other race/ethnicities including more than one race	60	20	4.12	5.35	-0.32	-7.14	4.44	4.72	0.28	6.26
Gender										
Male	240	90	20.77	29.21	-2.17	-9.47	22.94	22.85	-0.08	-0.37
Female	840	280	79.23	70.79	2.17	2.82	77.06	77.15	0.08	0.11
Marital status at base year										
Single, divorced, or widowed	820	270	78.98	72.36	1.70	2.20	77.27	78.29	1.02	1.31
Married	190	70	14.33	20.06	-1.47	-9.32	15.81	15.18	-0.63	-3.98
Separated	60	30	6.69	7.58	-0.23	-3.32	6.92	6.53	-0.39	-5.57
Citizen status at base year										
US citizen	980	340	91.74	92.56	-0.21	-0.23	91.95	91.98	0.03	0.03
Resident alien	90	30	8.18	7.17	0.26	3.29	7.92	7.93	0.02	0.19
Foreign or international student	10	#	0.08	0.27	-0.05	-38.31	0.13	0.08	-0.05	-35.18

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-10. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, for-profit, 2 years or more institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	30	10	2.48	0.82	0.37	17.33	2.11	2.93	0.82	39.04
Mideast DE-DC, MD, NJ, NY, PA	100	40	12.63	19.46	-1.51	-10.66	14.14	13.15	-0.99	-7.00
Great Lakes-IL, IN, MI, OH, WI	120	30	14.97	13.47	0.33	2.25	14.64	14.37	-0.27	-1.84
Plains-IA, KS, MN, MO, NE, ND, SD	20	#	1.60	0.28	0.29	22.19	1.31	1.55	0.24	18.49
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	280	80	34.63	39.37	-1.05	-2.94	35.67	35.15	-0.53	-1.48
Southwest-AZ, NM, OK, TX	90	30	8.89	9.28	-0.09	-0.95	8.98	8.62	-0.36	-3.96
Rocky Mountains-CO, ID, MT, UT, WY	100	20	6.82	5.36	0.32	4.97	6.50	6.44	-0.06	-0.98
Far West-AK, CA, HI, NV, OR, WA	170	40	16.88	11.96	1.09	6.88	15.80	16.87	1.08	6.82
Other Jurisdictions-PR	10	†	1.10	†	0.24	28.32	0.86	0.92	0.06	7.23
CPS record available at base year										
Yes	840	220	93.04	93.32	-0.06	-0.07	93.10	93.32	0.22	0.23
No	70	20	6.96	6.68	0.06	0.90	6.90	6.68	-0.22	-3.13
Applied for federal aid										
Yes	860	230	95.39	95.60	-0.05	-0.05	95.44	95.45	0.02	0.02
No	50	10	4.61	4.40	0.05	1.02	4.56	4.55	-0.02	-0.35
Pell Grant status										
Received	550	150	68.21	71.67	-0.77	-1.11	68.97	68.15	-0.82	-1.20
Did not receive	350	90	31.79	28.33	0.77	2.47	31.03	31.85	0.82	2.66
Total Pell Grant amount received										
\$0	350	90	31.79	28.33	0.77	2.47	31.03	31.85	0.82	2.66
Up to \$2,000	190	60	22.55	25.41	-0.63	-2.72	23.18	23.37	0.19	0.83
\$2,001–\$3,700	190	50	24.64	28.07	-0.76	-2.98	25.40	23.06	-2.34	-9.20
\$3,701 or more	170	40	21.01	18.20	0.62	3.05	20.39	21.71	1.32	6.48
Stafford Loan status										
Received	720	200	83.79	85.48	-0.37	-0.44	84.16	84.36	0.20	0.24
Did not receive	180	50	16.21	14.52	0.37	2.36	15.84	15.64	-0.20	-1.26
Total Stafford Loan amount received										
\$0	180	50	16.21	14.52	0.37	2.36	15.84	15.64	-0.20	-1.26
Up to \$2,624	100	30	13.13	10.18	0.65	5.21	12.47	13.57	1.10	8.80
\$2,625	80	20	9.70	11.38	-0.37	-3.69	10.07	8.75	-1.31	-13.06
\$2,626 or more	530	150	60.97	63.92	-0.65	-1.06	61.62	62.04	0.42	0.68

See notes at end of table.

Table M-10. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, for-profit, 2 years or more institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	630	180	69.29	63.90	1.19	1.75	68.10	71.04	2.94*	4.31
1,822–6,690	220	60	24.03	31.75	-1.70	-6.62	25.74	22.61	-3.12*	-12.14
6,691–16,522	20	#	2.54	0.80	0.38	17.80	2.15	2.59	0.44	20.30
16,523 or more	10	#	1.96	1.92	0.01	0.42	1.95	1.66	-0.30	-15.20
Unknown	20	#	2.18	1.63	0.12	5.91	2.05	2.10	0.05	2.27
Age at base year										
15 to 18	240	50	26.04	21.48	1.01	4.02	25.03	24.89	-0.14	-0.55
19	160	30	17.71	11.07	1.47	9.02	16.25	17.66	1.41	8.68
20 to 23	190	70	21.05	27.69	-1.47	-6.51	22.52	20.68	-1.84	-8.15
24 to 29	150	50	16.41	18.77	-0.52	-3.07	16.93	17.84	0.91	5.38
30+	170	40	18.79	20.98	-0.49	-2.52	19.27	18.92	-0.35	-1.81
High school graduation year										
Before 1998	270	80	29.02	34.37	-1.18	-3.91	30.20	29.38	-0.82	-2.72
1998–2002	220	90	25.65	34.18	-1.88	-6.84	27.53	25.99	-1.54	-5.60
2003–04	390	80	42.98	30.90	2.67	6.61	40.32	41.88	1.56	3.87
Did not complete high school	20	#	2.34	0.54	0.40	20.43	1.95	2.75	0.80	41.28
Dependency status at base year										
Dependent	450	110	48.22	40.88	1.62	3.48	46.60	47.26	0.66	1.41
Independent	450	140	51.78	59.12	-1.62	-3.03	53.40	52.74	-0.66	-1.23
Income level at base year										
Dependent										
Less than \$10,000	30	10	3.81	2.93	0.20	5.40	3.62	4.08	0.46	12.72
\$10,000–\$19,999	70	10	7.75	6.95	0.18	2.33	7.57	8.14	0.57	7.50
\$20,000–\$29,999	80	20	9.89	7.06	0.62	6.73	9.27	9.26	-0.01	-0.06
\$30,000–\$39,999	50	10	5.58	5.36	0.05	0.88	5.53	5.36	-0.17	-3.08
\$40,000–\$49,999	50	10	5.61	4.12	0.33	6.23	5.28	5.42	0.14	2.69
\$50,000–\$59,999	40	10	4.95	2.65	0.51	11.40	4.44	4.94	0.50	11.25
\$60,000–\$69,999	30	10	2.74	2.54	0.05	1.67	2.70	2.62	-0.08	-3.08
\$70,000–\$79,999	30	10	2.53	2.99	-0.10	-3.86	2.64	2.36	-0.28	-10.59
\$80,000–\$99,999	30	10	2.59	1.83	0.17	6.99	2.42	2.39	-0.04	-1.47
\$100,000 or more	40	10	2.76	4.45	-0.37	-11.87	3.13	2.70	-0.44	-13.95

See notes at end of table.

Table M-10. Student nonresponse bias before and after weight adjustment for BPS:04/09 study nonresponse, by select variables for students in private, for-profit, 2 years or more institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted study respondents	Unweighted study non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	90	30	10.27	11.89	-0.36	-3.35	10.63	10.36	-0.27	-2.56
\$10,000–\$19,999	170	50	20.48	26.80	-1.40	-6.38	21.87	20.34	-1.53	-7.01
\$20,000–\$29,999	90	20	10.50	8.95	0.34	3.37	10.16	11.57	1.41	13.87
\$30,000–\$49,999	60	20	5.71	7.08	-0.30	-5.03	6.01	5.59	-0.42	-7.01
\$50,000 or more	50	10	4.82	4.40	0.09	1.94	4.72	4.88	0.16	3.38
Race/ethnicity										
White	450	130	49.76	52.20	-0.54	-1.07	50.30	49.08	-1.22	-2.42
Black or African American	200	50	22.71	20.15	0.56	2.55	22.14	22.96	0.81	3.68
Hispanic or Latino	170	50	18.83	15.93	0.64	3.53	18.19	18.66	0.47	2.56
Asian	30	#	2.11	0.47	0.36	20.68	1.75	2.17	0.42	24.13
All other race/ethnicities including more than one race	60	20	6.59	11.25	-1.03	-13.50	7.62	7.13	-0.48	-6.35
Gender										
Male	410	140	42.54	56.10	-2.99*	-6.57	45.53	43.40	-2.13	-4.69
Female	500	110	57.46	43.90	2.99*	5.50	54.47	56.60	2.13	3.92
Marital status at base year										
Single, divorced, or widowed	740	190	82.16	73.14	1.99	2.48	80.16	81.63	1.46	1.83
Married	140	40	14.01	21.51	-1.66	-10.58	15.66	13.84	-1.82	-11.64
Separated	30	10	3.84	5.35	-0.33	-7.99	4.17	4.53	0.36	8.58
Citizen status at base year										
US citizen	850	230	93.28	91.33	0.43	0.46	92.85	93.58	0.73	0.79
Resident alien	50	20	6.65	8.67	-0.45	-6.29	7.09	6.31	-0.78	-10.96
Foreign or international student	#	†	0.07	†	0.02	28.32	0.06	0.11	0.05	81.85

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-11. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for all students: 2009

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Institution type										
Public										
Less-than-2-year	420	120	1.26	1.48	-0.04	-3.26	1.30	1.43	0.13*	9.94
2-year	5,010	1,300	42.09	47.74	-1.12*	-2.59	43.21	42.73	-0.48*	-1.11
4-year non-doctorate-granting	1,430	260	10.34	8.79	0.31	3.07	10.03	9.80	-0.24	-2.36
4-year doctorate-granting	2,720	360	18.08	10.68	1.47*	8.83	16.61	16.64	0.03	0.19
Private nonprofit										
Less-than-4-year	400	130	1.13	1.15	#	-0.31	1.13	1.19	0.05	4.51
4-year non-doctorate-granting	1,990	290	9.55	7.24	0.46*	5.04	9.09	9.02	-0.08	-0.84
4-year doctorate-granting	1,340	180	5.44	3.36	0.41*	8.22	5.03	4.98	-0.05	-0.90
Private for-profit										
Less-than-2-year	1,030	420	5.40	9.10	-0.73*	-11.96	6.14	6.50	0.36*	5.82
2 years or more	830	320	6.71	10.46	-0.74*	-9.99	7.45	7.72	0.27*	3.59
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	1,000	200	5.12	5.50	-0.07	-1.44	5.20	5.07	-0.13	-2.52
Mideast DE-DC, MD, NJ, NY, PA	2,230	530	12.90	13.53	-0.12	-0.96	13.02	13.00	-0.02	-0.19
Great Lakes-IL, IN, MI, OH, WI	2,590	570	18.92	18.23	0.14	0.73	18.78	18.86	0.08	0.42
Plains-IA, KS, MN, MO, NE, ND, SD	1,640	260	7.58	5.39	0.43*	6.07	7.15	7.36	0.21*	3.00
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	3,480	790	22.76	22.02	0.15	0.66	22.62	22.90	0.28	1.24
Southwest-AZ, NM, OK, TX	1,570	430	12.08	14.55	-0.49*	-3.91	12.57	12.33	-0.24	-1.90
Rocky Mountains-CO, ID, MT, UT, WY	550	90	4.03	3.00	0.20*	5.30	3.82	3.94	0.11	2.99
Far West-AK, CA, HI, NV, OR, WA	1,860	480	15.29	17.06	-0.35	-2.25	15.64	15.25	-0.39*	-2.49
Other Jurisdictions-PR	240	30	1.33	0.72	0.12*	9.92	1.21	1.30	0.10*	7.88
CPS record available at base year										
Yes	11,220	2,480	68.48	67.53	0.19	0.28	68.29	68.65	0.36	0.52
No	3,940	900	31.52	32.47	-0.19	-0.60	31.71	31.35	-0.36	-1.13
Applied for federal aid										
Yes	11,820	2,640	72.57	72.53	0.01	0.01	72.57	72.82	0.25	0.35
No	3,350	740	27.43	27.47	-0.01	-0.03	27.43	27.18	-0.25	-0.92
Pell Grant status										
Received	5,500	1,550	34.25	41.63	-1.46*	-4.10	35.71	35.87	0.15	0.43
Did not receive	9,670	1,830	65.75	58.37	1.46*	2.28	64.29	64.13	-0.15	-0.24

See notes at end of table.

Table M-11. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for all students: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Total Pell Grant amount received										
\$0	9,670	1,830	65.75	58.37	1.46*	2.28	64.29	64.13	-0.15	-0.24
Up to \$2,000	1,820	510	12.59	15.14	-0.51*	-3.86	13.09	13.18	0.08	0.65
\$2,001–\$3,700	1,880	560	11.70	15.48	-0.75*	-6.04	12.45	12.33	-0.11	-0.91
\$3,701 or more	1,800	480	9.96	11.01	-0.21	-2.04	10.17	10.35	0.18	1.79
Stafford Loan status										
Received	6,100	1,420	34.55	35.51	-0.19	-0.55	34.74	35.20	0.46*	1.31
Did not receive	9,060	1,950	65.45	64.49	0.19	0.29	65.26	64.80	-0.46*	-0.70
Total Stafford Loan amount received										
\$0	9,060	1,950	65.45	64.49	0.19	0.29	65.26	64.80	-0.46*	-0.70
Up to \$2,624	1,040	250	6.64	6.34	0.06	0.89	6.58	6.94	0.36*	5.48
\$2,625	3,260	510	17.28	12.26	1.00*	6.12	16.29	16.29	#	0.01
\$2,626 or more	1,800	660	10.63	16.91	-1.25*	-10.49	11.87	11.97	0.09	0.79
Institution undergraduate enrollment										
0–1,821	3,540	1,030	18.56	23.15	-0.91*	-4.67	19.47	20.36	0.88*	4.54
1,822–6,690	3,840	790	23.48	21.70	0.35	1.53	23.13	23.17	0.04	0.18
6,691–16,522	3,810	780	27.59	26.94	0.13	0.47	27.46	26.98	-0.48	-1.76
16,523 or more	3,890	740	29.95	27.58	0.47	1.60	29.48	29.04	-0.45	-1.52
Unknown	90	30	0.41	0.63	-0.04	-9.52	0.46	0.46	#	1.00
Age at base year										
15 to 18	7,180	1,220	45.02	35.36	1.92*	4.45	43.10	42.76	-0.35	-0.81
19	3,870	790	24.17	21.77	0.48*	2.01	23.70	23.38	-0.32	-1.34
20 to 23	1,610	530	11.71	16.69	-0.99*	-7.77	12.70	12.56	-0.14	-1.08
24 to 29	980	360	6.98	10.98	-0.79*	-10.21	7.77	8.03	0.26*	3.29
30+	1,530	480	12.12	15.21	-0.61*	-4.82	12.73	13.28	0.55*	4.30
High school graduation year										
Before 1998	2,160	710	16.59	22.96	-1.26*	-7.08	17.85	18.25	0.39	2.21
1998–2002	2,160	690	16.37	21.30	-0.98*	-5.63	17.35	17.47	0.12	0.69
2003–04	10,720	1,920	66.00	54.34	2.31*	3.63	63.69	63.05	-0.64*	-1.01
Did not complete high school	120	50	1.04	1.40	-0.07	-6.56	1.11	1.24	0.13	11.62
Dependency status at base year										
Dependent	11,620	2,200	73.43	63.75	1.92*	2.69	71.51	70.76	-0.75*	-1.05
Independent	3,540	1,180	26.57	36.25	-1.92*	-6.74	28.49	29.24	0.75*	2.63

See notes at end of table.

Table M-11. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for all students: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Income level at base year										
Dependent										
Less than \$10,000	620	180	3.85	5.55	-0.34*	-8.07	4.18	4.02	-0.17	-4.02
\$10,000–\$19,999	940	220	6.00	5.82	0.04	0.61	5.97	6.06	0.09	1.50
\$20,000–\$29,999	1,160	290	7.20	7.96	-0.15	-2.07	7.35	7.04	-0.30*	-4.13
\$30,000–\$39,999	1,170	250	7.77	7.40	0.07	0.97	7.70	7.65	-0.05	-0.65
\$40,000–\$49,999	1,040	210	6.66	6.13	0.10	1.60	6.55	6.52	-0.03	-0.46
\$50,000–\$59,999	970	190	6.01	6.03	#	-0.04	6.02	5.89	-0.12	-2.07
\$60,000–\$69,999	1,090	180	7.29	5.61	0.33	4.78	6.95	6.86	-0.09	-1.34
\$70,000–\$79,999	840	130	5.66	3.56	0.42*	7.95	5.25	5.28	0.03	0.59
\$80,000–\$99,999	1,410	210	8.43	5.38	0.61*	7.73	7.83	7.85	0.02	0.31
\$100,000 or more	2,390	350	14.56	10.31	0.84*	6.14	13.72	13.59	-0.13	-0.91
Independent										
Less than \$10,000	650	240	4.51	6.20	-0.34*	-6.95	4.84	4.94	0.09	1.95
\$10,000–\$19,999	1,270	450	8.68	13.12	-0.88*	-9.21	9.56	9.78	0.22	2.32
\$20,000–\$29,999	600	190	4.23	6.13	-0.38*	-8.19	4.61	4.73	0.12	2.57
\$30,000–\$49,999	550	180	4.69	5.80	-0.22	-4.51	4.91	5.00	0.09	1.86
\$50,000 or more	470	130	4.47	5.00	-0.11	-2.30	4.57	4.80	0.22*	4.92
Race/ethnicity										
White	9,860	1,850	63.31	54.22	1.80*	2.93	61.51	62.15	0.65*	1.05
Black or African American	1,960	570	13.16	16.37	-0.64*	-4.62	13.80	13.56	-0.23	-1.69
Hispanic or Latino	1,890	590	14.06	18.38	-0.86*	-5.74	14.92	14.76	-0.16	-1.05
Asian	670	170	4.58	5.19	-0.12	-2.55	4.70	4.47	-0.23*	-4.93
All other race/ethnicities including more than one race	770	200	4.88	5.84	-0.19	-3.77	5.07	5.05	-0.02	-0.46
Gender										
Male	6,180	1,520	41.25	47.84	-1.31*	-3.07	42.56	41.78	-0.78*	-1.84
Female	8,990	1,860	58.75	52.16	1.31*	2.28	57.44	58.22	0.78*	1.36
Marital status at base year										
Single, divorced, or widowed	13,630	2,880	88.21	84.34	0.77*	0.88	87.44	87.17	-0.27	-0.31
Married	1,320	410	10.36	13.55	-0.63*	-5.75	11.00	11.16	0.17	1.53
Separated	220	90	1.43	2.10	-0.13	-8.56	1.56	1.67	0.11	6.81

See notes at end of table.

Table M-11. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for all students: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non- respondents	Interview respondent percent ¹	Interview non- respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Citizen status at base year										
US citizen	14,420	3,100	94.48	90.99	0.69*	0.74	93.78	94.18	0.40*	0.43
Resident alien	620	190	4.75	6.35	-0.32*	-6.27	5.07	4.94	-0.13	-2.59
Foreign or international student	120	80	0.77	2.65	-0.37*	-32.60	1.15	0.88	-0.27*	-23.53

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-12. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in public, less-than-2-year institutions: 2009

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	†	†	†	†	†	†	†	†	†	†
Mideast DE-DC, MD, NJ, NY, PA	30	10	9.76	6.72	0.68	7.52	9.07	11.13	2.06	22.69
Great Lakes-IL, IN, MI, OH, WI	80	30	23.08	25.09	-0.45	-1.92	23.53	24.66	1.14	4.83
Plains-IA, KS, MN, MO, NE, ND, SD	30	#	11.63	4.21	1.67	16.73	9.97	11.03	1.06	10.68
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	190	50	27.74	26.67	0.24	0.88	27.50	26.94	-0.56	-2.04
Southwest-AZ, NM, OK, TX	40	10	10.95	11.94	-0.22	-1.99	11.17	10.67	-0.50	-4.52
Rocky Mountains-CO, ID, MT, UT, WY	#	#	0.51	0.89	-0.08	-14.27	0.60	0.49	-0.11	-18.33
Far West-AK, CA, HI, NV, OR, WA	50	30	16.01	24.49	-1.90	-10.63	17.92	14.82	-3.10*	-17.29
Other Jurisdictions-PR	#	†	0.32	†	0.07	28.96	0.25	0.26	0.01	5.48
CPS record available at base year										
Yes	350	100	75.94	62.79	2.95	4.05	72.98	77.09	4.10*	5.62
No	70	30	24.06	37.21	-2.95	-10.93	27.02	22.91	-4.10*	-15.18
Applied for federal aid										
Yes	350	100	78.40	63.44	3.36*	4.48	75.04	79.64	4.60*	6.13
No	60	30	21.60	36.56	-3.36*	-13.46	24.96	20.36	-4.60*	-18.44
Pell Grant status										
Received	250	80	53.82	55.53	-0.38	-0.71	54.21	53.97	-0.24	-0.44
Did not receive	170	50	46.18	44.47	0.38	0.84	45.79	46.03	0.24	0.52
Total Pell Grant amount received										
\$0	170	50	46.18	44.47	0.38	0.84	45.79	46.03	0.24	0.52
Up to \$2,000	100	40	26.61	31.02	-0.99	-3.59	27.60	26.43	-1.17	-4.24
\$2,001–\$3,700	90	30	19.15	18.70	0.10	0.53	19.05	20.15	1.10	5.77
\$3,701 or more	50	10	8.06	5.82	0.50	6.68	7.56	7.39	-0.17	-2.21
Stafford Loan status										
Received	70	20	16.27	17.54	-0.29	-1.73	16.56	17.80	1.24*	7.52
Did not receive	350	100	83.73	82.46	0.29	0.34	83.44	82.20	-1.24*	-1.49
Total Stafford Loan amount received										
\$0	350	100	83.73	82.46	0.29	0.34	83.44	82.20	-1.24*	-1.49
Up to \$2,624	10	0	1.67	5.47	-0.85	-33.75	2.53	2.44	-0.09	-3.60
\$2,625	10	#	2.51	1.91	0.13	5.60	2.37	2.51	0.13	5.60
\$2,626 or more	50	20	12.09	10.15	0.43	3.73	11.65	12.86	1.20	10.32

See notes at end of table.

Table M-12. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in public, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non- respondents	Interview respondent percent ¹	Interview non- respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	350	100	79.23	69.98	2.08	2.69	77.15	80.61	3.45*	4.48
1,822–6,690	50	20	15.18	11.30	0.87	6.09	14.31	14.36	0.05	0.38
6,691–16,522	10	10	5.14	16.99	-2.66*	-34.08	7.80	4.68	-3.12*	-40.02
16,523 or more	#	†	0.40	†	0.09	28.96	0.31	0.31	#	-0.33
Unknown	#	#	0.05	1.73	-0.38	-88.80	0.42	0.04	-0.38	-90.32
Age at base year										
15 to 18	50	20	8.03	10.01	-0.45	-5.26	8.47	8.24	-0.24	-2.78
19	50	10	12.28	3.04	2.08*	20.34	10.21	10.94	0.73	7.15
20 to 23	60	20	11.55	13.01	-0.33	-2.77	11.88	11.20	-0.68	-5.69
24 to 29	80	30	20.67	26.04	-1.21	-5.51	21.88	21.72	-0.15	-0.69
30+	180	60	47.47	47.90	-0.10	-0.20	47.56	47.90	0.33	0.70
High school graduation year										
Before 1998	220	70	58.22	62.01	-0.85	-1.44	59.07	59.23	0.16	0.27
1998–2002	100	30	23.16	22.13	0.23	1.01	22.92	23.11	0.18	0.79
2003–04	90	20	17.08	15.70	0.31	1.85	16.77	16.27	-0.50	-2.97
Did not complete high school	#	#	1.55	0.16	0.31	25.15	1.24	1.40	0.16	12.80
Dependency status at base year										
Dependent	110	30	23.32	14.60	1.96	9.17	21.37	22.09	0.72	3.39
Independent	310	100	76.68	85.40	-1.96	-2.49	78.63	77.91	-0.72	-0.92
Income level at base year										
Dependent										
Less than \$10,000	10	10	2.33	1.21	0.25	12.02	2.08	2.07	-0.01	-0.35
\$10,000–\$19,999	20	#	5.55	2.17	0.76	15.82	4.79	4.96	0.17	3.51
\$20,000–\$29,999	20	#	2.37	2.51	-0.03	-1.28	2.40	2.18	-0.22	-9.10
\$30,000–\$39,999	20	10	4.32	3.12	0.27	6.65	4.05	4.54	0.49	12.15
\$40,000–\$49,999	10	#	0.54	1.10	-0.13	-19.10	0.66	0.51	-0.15	-22.99
\$50,000–\$59,999	10	#	2.82	1.20	0.36	14.78	2.46	3.04	0.58	23.53
\$60,000–\$69,999	10	#	0.82	0.52	0.07	9.13	0.75	0.79	0.04	5.09
\$70,000–\$79,999	10	#	3.44	0.34	0.70	25.40	2.74	2.98	0.24	8.70
\$80,000–\$99,999	#	#	0.18	2.43	-0.50	-73.36	0.69	0.20	-0.49	-71.38
\$100,000 or more	10	†	0.96	†	0.21	28.96	0.74	0.82	0.08	10.43

See notes at end of table.

Table M-12. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in public, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	30	20	5.38	24.26	-4.24*	-44.08	9.62	5.42	-4.20*	-43.68
\$10,000–\$19,999	120	40	23.27	25.92	-0.59	-2.49	23.87	24.88	1.02	4.26
\$20,000–\$29,999	60	20	17.22	21.14	-0.88	-4.86	18.10	17.46	-0.64	-3.54
\$30,000–\$49,999	60	10	17.07	8.96	1.82	11.94	15.25	16.27	1.02	6.72
\$50,000 or more	40	10	13.74	5.13	1.93	16.39	11.81	13.88	2.08*	17.58
Race/ethnicity										
White	310	80	68.88	57.07	2.65	4.00	66.22	69.00	2.77	4.19
Black or African American	40	10	9.46	5.93	0.79	9.13	8.67	10.36	1.69	19.53
Hispanic or Latino	30	10	15.86	14.97	0.20	1.27	15.66	14.70	-0.96	-6.15
Asian	10	#	1.49	9.34	-1.76*	-54.26	3.25	1.37	-1.88*	-57.90
All other race/ethnicities including more than one race	20	20	4.32	12.69	-1.88	-30.32	6.20	4.58	-1.62	-26.15
Gender										
Male	160	50	41.55	40.50	0.24	0.57	41.32	42.53	1.22	2.94
Female	260	80	58.45	59.50	-0.24	-0.40	58.68	57.47	-1.22	-2.07
Marital status at base year										
Single, divorced, or widowed	260	70	58.01	54.09	0.88	1.54	57.13	57.75	0.62	1.09
Married	150	50	39.04	42.15	-0.70	-1.76	39.74	39.22	-0.52	-1.30
Separated	20	10	2.95	3.76	-0.18	-5.77	3.13	3.03	-0.11	-3.37
Citizen status at base year										
US citizen	400	120	93.11	92.06	0.24	0.25	92.87	93.01	0.14	0.15
Resident alien	20	10	6.60	7.94	-0.30	-4.35	6.90	6.73	-0.17	-2.51
Foreign or international student	#	†	0.29	†	0.07	28.96	0.22	0.26	0.04	16.25

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-13. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in public, 2-year institutions: 2009

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non- respondents	Interview respondent percent ¹	Interview non- respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	170	50	2.43	3.33	-0.20	-7.52	2.63	2.54	-0.09	-3.29
Mideast DE-DC, MD, NJ, NY, PA	630	170	10.54	9.99	0.12	1.16	10.42	10.64	0.22	2.09
Great Lakes-IL, IN, MI, OH, WI	920	220	20.43	17.78	0.58	2.93	19.85	20.43	0.59	2.96
Plains-IA, KS, MN, MO, NE, ND, SD	600	130	7.88	5.74	0.47*	6.32	7.41	7.80	0.39*	5.24
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	1,240	330	21.54	22.23	-0.15	-0.70	21.69	21.68	-0.01	-0.05
Southwest-AZ, NM, OK, TX	730	200	15.40	16.52	-0.25	-1.57	15.65	15.26	-0.38	-2.45
Rocky Mountains-CO, ID, MT, UT, WY	90	20	1.06	0.59	0.10	10.79	0.96	1.07	0.11	11.40
Far West-AK, CA, HI, NV, OR, WA	640	190	20.70	23.82	-0.68	-3.19	21.38	20.56	-0.82*	-3.84
Other Jurisdictions-PR	#	#	0.02	0.01	#	13.04	0.02	0.02	#	0.35
CPS record available at base year										
Yes	3,100	790	53.95	53.09	0.19	0.35	53.76	53.64	-0.12	-0.23
No	1,910	510	46.05	46.91	-0.19	-0.40	46.24	46.36	0.12	0.26
Applied for federal aid										
Yes	3,400	880	59.78	60.17	-0.09	-0.14	59.87	59.63	-0.24	-0.40
No	1,620	420	40.22	39.83	0.09	0.21	40.13	40.37	0.24	0.60
Pell Grant status										
Received	1,780	490	28.17	28.29	-0.03	-0.09	28.20	28.23	0.03	0.10
Did not receive	3,230	810	71.83	71.71	0.03	0.04	71.80	71.77	-0.03	-0.04
Total Pell Grant amount received										
\$0	3,230	810	71.83	71.71	0.03	0.04	71.80	71.77	-0.03	-0.04
Up to \$2,000	670	190	13.45	13.63	-0.04	-0.28	13.49	13.62	0.13	0.99
\$2,001-\$3,700	660	190	9.73	10.21	-0.11	-1.08	9.84	9.84	#	0.02
\$3,701 or more	450	110	4.99	4.45	0.12	2.41	4.87	4.76	-0.11	-2.23
Stafford Loan status										
Received	860	240	10.84	10.27	0.12	1.16	10.71	10.91	0.20	1.84
Did not receive	4,150	1,060	89.16	89.73	-0.12	-0.14	89.29	89.09	-0.20	-0.22
Total Stafford Loan amount received										
\$0	4,150	1,060	89.16	89.73	-0.12	-0.14	89.29	89.09	-0.20	-0.22
Up to \$2,624	320	90	4.96	4.83	0.03	0.59	4.93	5.12	0.19	3.82
\$2,625	380	90	4.52	3.78	0.16	3.73	4.36	4.35	-0.01	-0.30
\$2,626 or more	160	60	1.35	1.66	-0.07	-4.76	1.42	1.44	0.02	1.50

See notes at end of table.

Table M-13. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in public, 2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	230	50	5.00	4.03	0.21	4.44	4.79	4.92	0.13	2.80
1,822–6,690	1,260	310	24.28	20.69	0.79*	3.34	23.49	24.38	0.89	3.80
6,691–16,522	1,920	480	34.76	35.08	-0.07	-0.20	34.83	34.90	0.07	0.20
16,523 or more	1,570	450	35.64	39.70	-0.89	-2.43	36.53	35.49	-1.04*	-2.85
Unknown	30	10	0.33	0.51	-0.04	-10.64	0.37	0.31	-0.05	-14.83
Age at base year										
15 to 18	1,880	420	35.60	31.49	0.90*	2.59	34.70	34.03	-0.67	-1.94
19	1,210	310	22.18	21.44	0.16	0.74	22.02	21.59	-0.43	-1.95
20 to 23	770	230	15.28	18.14	-0.63*	-3.94	15.91	15.82	-0.09	-0.57
24 to 29	430	130	8.64	10.82	-0.48	-5.26	9.12	9.39	0.27	2.95
30+	730	200	18.30	18.10	0.04	0.24	18.26	19.18	0.92*	5.06
High school graduation year										
Before 1998	1,010	290	23.93	26.61	-0.59	-2.39	24.52	25.18	0.66	2.68
1998–2002	1,040	300	21.76	22.37	-0.13	-0.61	21.90	22.39	0.50	2.27
2003–04	2,920	690	53.09	49.35	0.82	1.57	52.27	51.08	-1.18*	-2.26
Did not complete high school	50	10	1.22	1.67	-0.10	-7.62	1.32	1.35	0.03	2.13
Dependency status at base year										
Dependent	3,410	840	63.93	61.87	0.45	0.71	63.48	62.19	-1.29*	-2.03
Independent	1,600	460	36.07	38.13	-0.45	-1.24	36.52	37.81	1.29*	3.53
Income level at base year										
Dependent										
Less than \$10,000	250	70	4.08	6.05	-0.43	-9.57	4.51	4.05	-0.46*	-10.19
\$10,000–\$19,999	340	90	5.88	4.97	0.20	3.52	5.68	5.77	0.09	1.55
\$20,000–\$29,999	400	110	6.76	7.03	-0.06	-0.88	6.82	6.56	-0.26	-3.83
\$30,000–\$39,999	420	90	7.80	6.32	0.33	4.36	7.48	7.65	0.18	2.35
\$40,000–\$49,999	360	100	6.29	6.83	-0.12	-1.84	6.41	6.14	-0.27	-4.20
\$50,000–\$59,999	320	90	5.74	7.32	-0.35	-5.68	6.09	5.65	-0.44	-7.21
\$60,000–\$69,999	350	70	7.15	6.11	0.23	3.30	6.92	6.89	-0.03	-0.43
\$70,000–\$79,999	240	50	5.38	3.38	0.44	8.86	4.94	5.09	0.14	2.87
\$80,000–\$99,999	330	70	6.21	4.42	0.39*	6.74	5.82	5.92	0.10	1.80
\$100,000 or more	410	120	8.63	9.44	-0.18	-2.00	8.81	8.47	-0.34	-3.86

See notes at end of table.

Table M-13. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in public, 2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	260	80	5.16	4.79	0.08	1.60	5.08	5.45	0.37	7.34
\$10,000–\$19,999	530	160	10.04	11.40	-0.30	-2.88	10.34	10.70	0.36	3.52
\$20,000–\$29,999	260	80	5.27	7.29	-0.44	-7.73	5.72	5.45	-0.27	-4.68
\$30,000–\$49,999	300	80	7.76	7.05	0.15	2.03	7.60	8.09	0.48*	6.34
\$50,000 or more	270	70	7.84	7.61	0.05	0.66	7.79	8.13	0.34	4.34
Race/ethnicity										
White	3,190	730	62.05	55.37	1.46*	2.42	60.58	61.57	0.99	1.63
Black or African American	760	220	13.78	15.50	-0.38	-2.65	14.16	13.69	-0.47	-3.31
Hispanic or Latino	640	210	15.06	17.93	-0.63	-4.01	15.69	15.56	-0.13	-0.81
Asian	180	60	4.32	5.12	-0.18	-3.92	4.50	4.23	-0.27	-5.93
All other race/ethnicities including more than one race	250	80	4.79	6.08	-0.28	-5.59	5.07	4.94	-0.13	-2.48
Gender										
Male	2,100	630	42.04	49.45	-1.62*	-3.72	43.66	42.76	-0.91*	-2.08
Female	2,920	670	57.96	50.55	1.62*	2.88	56.34	57.24	0.91*	1.61
Marital status at base year										
Single, divorced, or widowed	4,270	1,090	82.60	81.94	0.15	0.18	82.45	82.00	-0.46	-0.55
Married	660	180	16.17	16.44	-0.06	-0.37	16.23	16.62	0.39	2.43
Separated	80	30	1.24	1.62	-0.08	-6.43	1.32	1.38	0.06	4.65
Citizen status at base year										
US citizen	4,730	1,200	93.51	90.92	0.57	0.61	92.94	93.23	0.29	0.31
Resident alien	250	70	5.77	6.68	-0.20	-3.36	5.97	5.93	-0.04	-0.66
Foreign or international student	30	30	0.73	2.40	-0.37*	-33.56	1.09	0.84	-0.25*	-22.94

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-14. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in public, 4-year, non-doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	100	20	4.69	5.63	-0.16	-3.35	4.86	4.96	0.10	2.08
Mideast DE-DC, MD, NJ, NY, PA	330	60	22.51	22.19	0.05	0.24	22.45	22.33	-0.12	-0.54
Great Lakes-IL, IN, MI, OH, WI	180	40	14.32	16.24	-0.33	-2.27	14.66	14.57	-0.09	-0.62
Plains-IA, KS, MN, MO, NE, ND, SD	170	10	6.45	2.19	0.74*	12.96	5.71	6.29	0.59*	10.27
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	300	60	20.17	19.02	0.20	0.99	19.97	20.09	0.12	0.61
Southwest-AZ, NM, OK, TX	70	30	6.57	13.52	-1.21	-15.51	7.78	6.64	-1.14	-14.69
Rocky Mountains-CO, ID, MT, UT, WY	100	20	11.70	13.35	-0.29	-2.40	11.99	11.99	#	#
Far West-AK, CA, HI, NV, OR, WA	130	20	11.73	7.13	0.80	7.32	10.93	11.38	0.45	4.07
Other Jurisdictions-PR	50	#	1.86	0.72	0.20	11.86	1.66	1.76	0.10	6.01
CPS record available at base year										
Yes	1,080	190	72.78	72.38	0.07	0.09	72.71	72.70	-0.01	-0.01
No	350	70	27.22	27.62	-0.07	-0.25	27.29	27.30	0.01	0.03
Applied for federal aid										
Yes	1,140	200	77.36	76.37	0.17	0.22	77.19	77.49	0.30	0.39
No	290	60	22.64	23.63	-0.17	-0.75	22.81	22.51	-0.30	-1.32
Pell Grant status										
Received	460	110	31.53	43.01	-1.99*	-5.95	33.53	32.57	-0.96	-2.86
Did not receive	960	150	68.47	56.99	1.99*	3.00	66.47	67.43	0.96	1.44
Total Pell Grant amount received										
\$0	960	150	68.47	56.99	1.99*	3.00	66.47	67.43	0.96	1.44
Up to \$2,000	140	30	10.23	11.64	-0.24	-2.33	10.48	10.88	0.41	3.87
\$2,001-\$3,700	130	50	9.11	18.12	-1.56*	-14.65	10.68	9.52	-1.16*	-10.86
\$3,701 or more	190	30	12.19	13.26	-0.19	-1.51	12.37	12.17	-0.21	-1.66
Stafford Loan status										
Received	630	110	41.82	39.78	0.35	0.86	41.46	41.86	0.40	0.96
Did not receive	800	150	58.18	60.22	-0.35	-0.61	58.54	58.14	-0.40	-0.68
Total Stafford Loan amount received										
\$0	800	150	58.18	60.22	-0.35	-0.61	58.54	58.14	-0.40	-0.68
Up to \$2,624	110	10	7.62	5.57	0.36	4.92	7.26	7.70	0.44	6.05
\$2,625	430	70	26.88	23.71	0.55	2.09	26.33	26.55	0.22	0.84
\$2,626 or more	90	30	7.32	10.50	-0.55	-7.03	7.87	7.61	-0.26	-3.32

See notes at end of table.

Table M-14. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in public, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non- respondents	Interview respondent percent ¹	Interview non- respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	70	20	4.86	6.19	-0.23	-4.53	5.10	5.04	-0.06	-1.10
1,822–6,690	600	110	31.10	33.31	-0.38	-1.22	31.48	31.53	0.05	0.16
6,691–16,522	540	100	46.14	44.55	0.28	0.60	45.86	45.44	-0.42	-0.92
16,523 or more	220	40	17.90	15.95	0.34	1.93	17.56	17.99	0.43	2.44
Unknown	†	†	†	†	†	†	†	†	†	†
Age at base year										
15 to 18	860	130	57.41	49.91	1.30	2.32	56.11	56.53	0.42	0.76
19	390	70	27.75	25.17	0.45	1.64	27.30	27.65	0.34	1.26
20 to 23	90	20	7.19	11.32	-0.72	-9.08	7.91	7.58	-0.32	-4.11
24 to 29	40	20	3.12	7.19	-0.71	-18.44	3.83	3.32	-0.51	-13.29
30+	60	10	4.52	6.41	-0.33	-6.75	4.85	4.92	0.07	1.37
High school graduation year										
Before 1998	90	30	7.30	11.02	-0.65	-8.12	7.95	7.88	-0.06	-0.81
1998–2002	130	40	10.61	17.78	-1.25	-10.51	11.86	11.29	-0.57	-4.82
2003–04	1,210	200	81.89	71.20	1.86*	2.32	80.03	80.58	0.54	0.68
Did not complete high school	#	†	0.19	†	0.03	21.03	0.16	0.25	0.10	60.38
Dependency status at base year										
Dependent	1,290	210	88.97	77.28	2.03*	2.34	86.94	88.15	1.22	1.40
Independent	140	50	11.03	22.72	-2.03*	-15.55	13.06	11.85	-1.22	-9.31
Income level at base year										
Dependent										
Less than \$10,000	50	10	3.60	3.64	-0.01	-0.16	3.61	3.71	0.10	2.78
\$10,000–\$19,999	110	20	6.95	6.70	0.04	0.62	6.91	6.90	#	-0.04
\$20,000–\$29,999	130	30	8.62	10.73	-0.37	-4.07	8.99	8.54	-0.45	-4.97
\$30,000–\$39,999	120	30	8.67	12.78	-0.71	-7.61	9.39	9.25	-0.13	-1.44
\$40,000–\$49,999	120	20	7.85	6.45	0.24	3.21	7.61	8.40	0.79	10.35
\$50,000–\$59,999	130	20	8.81	8.18	0.11	1.25	8.70	8.73	0.04	0.42
\$60,000–\$69,999	130	20	9.45	7.08	0.41	4.57	9.04	9.08	0.04	0.42
\$70,000–\$79,999	110	20	7.57	5.33	0.39	5.41	7.18	7.13	-0.05	-0.70
\$80,000–\$99,999	180	20	12.09	5.41	1.16*	10.63	10.93	11.75	0.82*	7.52
\$100,000 or more	210	30	15.34	10.99	0.76	5.19	14.59	14.65	0.06	0.44

See notes at end of table.

Table M-14. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in public, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	30	10	2.55	5.39	-0.49	-16.18	3.05	2.74	-0.31	-10.02
\$10,000–\$19,999	40	20	2.97	7.79	-0.84*	-21.99	3.81	3.17	-0.64	-16.90
\$20,000–\$29,999	20	10	1.78	4.05	-0.39	-18.07	2.18	1.96	-0.22	-10.13
\$30,000–\$49,999	20	10	1.66	3.27	-0.28	-14.40	1.94	1.72	-0.22	-11.45
\$50,000 or more	20	10	2.06	2.22	-0.03	-1.33	2.09	2.27	0.18	8.43
Race/ethnicity										
White	1,020	170	73.52	66.32	1.25	1.73	72.27	73.43	1.16	1.60
Black or African American	140	30	7.84	10.83	-0.52	-6.23	8.36	7.82	-0.53	-6.38
Hispanic or Latino	150	30	9.48	10.58	-0.19	-1.97	9.67	9.62	-0.05	-0.53
Asian	60	10	5.06	6.05	-0.17	-3.30	5.23	5.03	-0.21	-3.96
All other race/ethnicities including more than one race	60	20	4.10	6.22	-0.37	-8.21	4.47	4.10	-0.37	-8.21
Gender										
Male	580	120	41.46	44.58	-0.54	-1.29	42.00	42.22	0.22	0.52
Female	850	140	58.54	55.42	0.54	0.94	58.00	57.78	-0.22	-0.38
Marital status at base year										
Single, divorced, or widowed	1,380	250	95.63	94.95	0.12	0.12	95.51	95.25	-0.26	-0.27
Married	40	10	3.84	4.59	-0.13	-3.27	3.97	4.20	0.23	5.83
Separated	10	#	0.53	0.46	0.01	2.26	0.52	0.55	0.03	5.82
Citizen status at base year										
US citizen	1,380	230	96.00	88.29	1.34*	1.42	94.66	95.68	1.02	1.07
Resident alien	40	20	3.45	7.35	-0.68	-16.45	4.12	3.58	-0.55	-13.29
Foreign or international student	10	10	0.55	4.36	-0.66	-54.51	1.21	0.75	-0.47	-38.58

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-15. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in public, 4-year, doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non- respondents	Interview respondent percent ¹	Interview non- respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	160	10	5.65	4.91	0.09	1.69	5.55	5.63	0.07	1.32
Mideast DE-DC, MD, NJ, NY, PA	210	30	6.05	9.06	-0.38	-5.98	6.43	6.08	-0.36	-5.52
Great Lakes-IL, IN, MI, OH, WI	600	100	22.72	26.13	-0.43	-1.88	23.16	22.67	-0.49	-2.11
Plains-IA, KS, MN, MO, NE, ND, SD	290	30	7.05	5.66	0.18	2.57	6.87	6.96	0.09	1.28
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	730	80	28.70	21.80	0.88*	3.17	27.82	28.61	0.79	2.82
Southwest-AZ, NM, OK, TX	270	50	11.29	15.87	-0.59	-4.93	11.87	11.43	-0.44	-3.69
Rocky Mountains-CO, ID, MT, UT, WY	150	20	7.36	8.71	-0.17	-2.28	7.53	7.59	0.05	0.71
Far West-AK, CA, HI, NV, OR, WA	290	30	10.32	7.65	0.34	3.42	9.98	10.19	0.21	2.13
Other Jurisdictions-PR	30	#	0.86	0.21	0.08	10.69	0.78	0.85	0.07	9.02
CPS record available at base year										
Yes	1,970	260	72.35	71.15	0.15	0.21	72.20	72.43	0.23	0.32
No	750	90	27.65	28.85	-0.15	-0.55	27.80	27.57	-0.23	-0.84
Applied for federal aid										
Yes	2,060	270	74.97	73.41	0.20	0.27	74.77	75.08	0.31	0.41
No	660	90	25.03	26.59	-0.20	-0.79	25.23	24.92	-0.31	-1.22
Pell Grant status										
Received	620	110	22.72	28.93	-0.79	-3.37	23.51	23.16	-0.35	-1.50
Did not receive	2,090	240	77.28	71.07	0.79	1.04	76.49	76.84	0.35	0.46
Total Pell Grant amount received										
\$0	2,090	240	77.28	71.07	0.79	1.04	76.49	76.84	0.35	0.46
Up to \$2,000	210	30	7.41	8.01	-0.08	-1.01	7.49	7.53	0.04	0.50
\$2,001-\$3,700	190	40	7.09	10.25	-0.40	-5.39	7.49	7.25	-0.24	-3.24
\$3,701 or more	230	40	8.22	10.67	-0.31	-3.67	8.53	8.38	-0.15	-1.72
Stafford Loan status										
Received	1,090	170	40.10	46.77	-0.85*	-2.08	40.95	40.44	-0.51	-1.25
Did not receive	1,620	180	59.90	53.23	0.85*	1.44	59.05	59.56	0.51	0.87
Total Stafford Loan amount received										
\$0	1,620	180	59.90	53.23	0.85*	1.44	59.05	59.56	0.51	0.87
Up to \$2,624	170	20	5.98	4.38	0.20	3.53	5.78	6.07	0.29	5.01
\$2,625	780	120	28.65	32.34	-0.47	-1.62	29.12	28.73	-0.39	-1.34
\$2,626 or more	140	40	5.47	10.05	-0.58*	-9.63	6.06	5.65	-0.41	-6.81

See notes at end of table.

Table M-15. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in public, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non- respondents	Interview respondent percent ¹	Interview non- respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	10	#	0.18	0.23	-0.01	-3.59	0.19	0.19	0.01	3.20
1,822–6,690	110	10	5.00	4.84	0.02	0.42	4.98	4.97	-0.01	-0.17
6,691–16,522	750	120	29.62	36.80	-0.92*	-3.00	30.54	29.63	-0.91	-2.98
16,523 or more	1,850	220	65.20	58.13	0.90*	1.40	64.29	65.21	0.91	1.42
Unknown	†	†	†	†	†	†	†	†	†	†
Age at base year										
15 to 18	1,770	220	64.65	59.20	0.70	1.09	63.96	64.25	0.29	0.45
19	820	100	29.86	26.77	0.39	1.34	29.46	29.71	0.25	0.83
20 to 23	90	20	3.58	6.73	-0.40*	-10.10	3.98	4.03	0.05	1.19
24 to 29	20	10	1.16	3.34	-0.28	-19.29	1.44	1.25	-0.19	-13.28
30+	20	10	0.75	3.96	-0.41*	-35.18	1.16	0.77	-0.39*	-33.75
High school graduation year										
Before 1998	40	20	1.71	6.63	-0.63*	-26.81	2.34	1.78	-0.56*	-24.08
1998–2002	120	30	5.65	8.81	-0.40	-6.65	6.05	6.02	-0.03	-0.47
2003–04	2,560	310	92.64	84.56	1.03*	1.12	91.61	92.20	0.59	0.65
Did not complete high school	†	†	†	†	†	†	†	†	†	†
Dependency status at base year										
Dependent	2,610	330	95.78	89.22	0.84*	0.88	94.94	95.48	0.53	0.56
Independent	100	30	4.22	10.78	-0.84*	-16.57	5.06	4.52	-0.53	-10.49
Income level at base year										
Dependent										
Less than \$10,000	70	20	3.16	3.69	-0.07	-2.13	3.23	3.43	0.20	6.30
\$10,000–\$19,999	120	30	4.57	6.98	-0.31	-6.30	4.88	4.64	-0.24	-5.00
\$20,000–\$29,999	190	30	6.30	7.78	-0.19	-2.91	6.49	6.30	-0.19	-2.88
\$30,000–\$39,999	220	20	8.13	7.64	0.06	0.77	8.06	8.13	0.07	0.82
\$40,000–\$49,999	210	20	7.69	6.50	0.15	2.01	7.54	7.66	0.13	1.71
\$50,000–\$59,999	190	30	6.75	8.09	-0.17	-2.48	6.92	6.82	-0.10	-1.46
\$60,000–\$69,999	280	30	10.40	8.03	0.30	2.99	10.10	10.25	0.16	1.54
\$70,000–\$79,999	210	20	7.76	7.63	0.02	0.22	7.75	7.65	-0.10	-1.31
\$80,000–\$99,999	390	40	13.65	10.92	0.35	2.62	13.30	13.46	0.16	1.23
\$100,000 or more	740	80	27.38	21.94	0.69	2.60	26.69	27.13	0.45	1.67

See notes at end of table.

Table M-15. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in public, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	30	10	1.23	2.60	-0.18	-12.55	1.40	1.23	-0.17	-12.25
\$10,000–\$19,999	30	10	1.10	2.30	-0.15	-12.24	1.25	1.25	-0.01	-0.57
\$20,000–\$29,999	10	10	0.62	2.46	-0.24	-27.65	0.85	0.65	-0.20	-23.50
\$30,000–\$49,999	20	10	0.84	1.95	-0.14	-14.46	0.98	0.93	-0.05	-5.20
\$50,000 or more	10	#	0.44	1.47	-0.13	-23.07	0.57	0.47	-0.10	-17.64
Race/ethnicity										
White	1,930	220	69.05	61.21	1.00*	1.47	68.05	68.82	0.77	1.13
Black or African American	230	50	9.00	14.99	-0.76*	-7.82	9.77	9.14	-0.63*	-6.48
Hispanic or Latino	240	30	9.41	10.79	-0.18	-1.84	9.58	9.54	-0.05	-0.49
Asian	180	30	6.80	9.24	-0.31	-4.38	7.12	6.79	-0.33	-4.64
All other race/ethnicities including more than one race	140	20	5.73	3.77	0.25	4.56	5.48	5.72	0.24	4.40
Gender										
Male	1,230	190	44.37	55.36	-1.40*	-3.06	45.77	44.84	-0.93	-2.04
Female	1,490	170	55.63	44.64	1.40*	2.59	54.23	55.16	0.93	1.72
Marital status at base year										
Single, divorced, or widowed	2,680	350	98.44	96.11	0.30	0.30	98.15	98.30	0.15	0.15
Married	40	10	1.56	3.44	-0.24	-13.37	1.80	1.70	-0.09	-5.21
Separated	†	#	†	0.45	-0.06	-100.00	0.06	†	-0.06	-100.00
Citizen status at base year										
US citizen	2,620	340	96.30	93.79	0.32	0.33	95.98	96.20	0.22	0.23
Resident alien	80	10	3.05	2.73	0.04	1.35	3.01	3.14	0.13	4.45
Foreign or international student	20	10	0.65	3.48	-0.36*	-35.80	1.01	0.66	-0.35*	-34.97

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-16. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, for-profit, less-than-4-year institutions: 2009

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	10	#	1.62	2.52	-0.18	-10.03	1.80	1.52	-0.29	-15.85
Mideast DE-DC, MD, NJ, NY, PA	60	20	17.87	17.01	0.17	0.98	17.70	18.03	0.34	1.90
Great Lakes-IL, IN, MI, OH, WI	50	10	12.55	10.64	0.38	3.15	12.16	12.66	0.50	4.10
Plains-IA, KS, MN, MO, NE, ND, SD	30	10	4.39	5.90	-0.30	-6.45	4.69	4.30	-0.39	-8.36
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	70	20	20.24	25.94	-1.15	-5.36	21.38	19.69	-1.69	-7.92
Southwest-AZ, NM, OK, TX	10	#	2.03	2.97	-0.19	-8.53	2.22	1.89	-0.33	-14.91
Rocky Mountains-CO, ID, MT, UT, WY	10	†	2.44	†	0.49	25.14	1.95	2.42	0.47	24.17
Far West-AK, CA, HI, NV, OR, WA	140	50	21.92	26.60	-0.94	-4.11	22.86	22.26	-0.61	-2.65
Other Jurisdictions-PR	30	10	16.94	8.42	1.71	11.25	15.23	17.23	2.00	13.15
CPS record available at base year										
Yes	360	110	89.92	85.68	0.85	0.96	89.07	90.10	1.03	1.15
No	50	20	10.08	14.32	-0.85	-7.79	10.93	9.90	-1.03	-9.39
Applied for federal aid										
Yes	370	120	91.43	90.02	0.28	0.31	91.14	91.66	0.52	0.57
No	40	10	8.57	9.98	-0.28	-3.20	8.86	8.34	-0.52	-5.83
Pell Grant status										
Received	250	80	66.66	71.31	-0.93	-1.38	67.59	67.60	0.01	0.01
Did not receive	150	50	33.34	28.69	0.93	2.88	32.41	32.40	-0.01	-0.02
Total Pell Grant amount received										
\$0	150	50	33.34	28.69	0.93	2.88	32.41	32.40	-0.01	-0.02
Up to \$2,000	50	30	14.01	20.50	-1.30	-8.51	15.31	13.83	-1.48	-9.65
\$2,001-\$3,700	90	20	26.90	20.29	1.33	5.19	25.57	27.29	1.72	6.71
\$3,701 or more	100	40	25.75	30.52	-0.96	-3.59	26.71	26.47	-0.23	-0.87
Stafford Loan status										
Received	210	70	41.64	44.78	-0.63	-1.49	42.27	42.03	-0.24	-0.56
Did not receive	200	60	58.36	55.22	0.63	1.09	57.73	57.97	0.24	0.41
Total Stafford Loan amount received										
\$0	200	60	58.36	55.22	0.63	1.09	57.73	57.97	0.24	0.41
Up to \$2,624	30	20	6.63	14.40	-1.56	-19.06	8.19	6.46	-1.73	-21.12
\$2,625	60	20	12.25	9.52	0.55	4.68	11.70	11.47	-0.23	-1.98
\$2,626 or more	120	40	22.76	20.86	0.38	1.71	22.38	24.11	1.72	7.70

See notes at end of table.

Table M-16. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, for-profit, less-than-4-year institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non- respondents	Interview respondent percent ¹	Interview non- respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	310	110	71.52	84.69	-2.65	-3.57	74.17	70.66	-3.50	4.72
1,822–6,690	80	20	24.47	15.16	1.87	8.28	22.60	25.67	3.07	13.60
6,691–16,522	#	†	1.59	†	0.32	25.14	1.27	1.54	0.27	21.59
16,523 or more	#	†	1.93	†	0.39	25.14	1.55	1.65	0.11	6.93
Unknown	10	#	0.49	0.15	0.07	16.04	0.42	0.47	0.05	11.70
Age at base year										
15 to 18	140	50	33.69	37.35	-0.74	-2.14	34.42	32.32	-2.10	-6.11
19	90	30	17.07	19.19	-0.43	-2.44	17.49	16.38	-1.11	-6.37
20 to 23	70	10	21.17	13.84	1.47	7.47	19.69	21.60	1.91	9.69
24 to 29	40	10	9.58	7.50	0.42	4.57	9.17	10.51	1.34	14.62
30+	60	30	18.50	22.11	-0.73	-3.78	19.22	19.19	-0.03	-0.16
High school graduation year										
Before 1998	100	30	26.54	25.04	0.30	1.15	26.24	28.23	1.99	7.59
1998–2002	90	30	28.37	22.99	1.08	3.96	27.29	29.79	2.50	9.17
2003–04	210	70	44.10	48.45	-0.87	-1.94	44.98	41.04	-3.93	-8.75
Did not complete high school	10	#	0.99	3.52	-0.51	-33.90	1.50	0.94	-0.56	-37.24
Dependency status at base year										
Dependent	250	80	58.59	52.93	1.14	1.98	57.46	57.54	0.08	0.15
Independent	160	50	41.41	47.07	-1.14	-2.67	42.54	42.46	-0.08	-0.20
Income level at base year										
Dependent										
Less than \$10,000	40	10	11.70	13.33	-0.33	-2.73	12.02	13.30	1.27	10.59
\$10,000–\$19,999	30	10	6.72	7.24	-0.10	-1.53	6.82	6.51	-0.32	-4.63
\$20,000–\$29,999	40	10	12.29	7.56	0.95	8.37	11.34	11.82	0.48	4.22
\$30,000–\$39,999	30	10	5.59	6.67	-0.22	-3.74	5.81	5.24	-0.57	-9.83
\$40,000–\$49,999	20	#	3.19	2.27	0.19	6.16	3.01	2.90	-0.11	-3.57
\$50,000–\$59,999	10	10	2.58	5.74	-0.64	-19.81	3.21	2.90	-0.31	-9.62
\$60,000–\$69,999	20	10	3.39	3.77	-0.08	-2.20	3.46	2.99	-0.47	-13.57
\$70,000–\$79,999	10	10	2.66	3.02	-0.07	-2.61	2.73	2.43	-0.30	-11.07
\$80,000–\$99,999	20	10	2.36	1.88	0.10	4.22	2.26	2.14	-0.12	-5.50
\$100,000 or more	20	#	8.12	1.45	1.34	19.75	6.78	7.32	0.53	7.85

See notes at end of table.

Table M-16. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, for-profit, less-than-4-year institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	40	20	10.86	18.83	-1.60	-12.85	12.46	11.66	-0.80	-6.42
\$10,000–\$19,999	70	20	18.24	15.87	0.48	2.68	17.77	17.94	0.17	0.98
\$20,000–\$29,999	30	10	6.31	4.41	0.38	6.45	5.93	6.70	0.77	12.97
\$30,000–\$49,999	10	10	3.74	5.06	-0.26	-6.61	4.00	3.87	-0.13	-3.35
\$50,000 or more	10	#	2.26	2.91	-0.13	-5.47	2.39	2.29	-0.09	-3.89
Race/ethnicity										
White	170	50	39.57	34.48	1.02	2.65	38.55	38.47	-0.08	-0.20
Black or African American	50	30	13.25	25.64	-2.49	-15.81	15.74	13.14	-2.59	-16.48
Hispanic or Latino	110	40	36.03	28.67	1.48	4.28	34.55	36.94	2.39	6.92
Asian	30	10	4.33	2.56	0.36	8.96	3.97	4.43	0.46	11.46
All other race/ethnicities including more than one race	40	10	6.82	8.66	-0.37	-5.15	7.19	7.01	-0.17	-2.41
Gender										
Male	140	40	37.09	32.88	0.85	2.33	36.25	39.15	2.90	8.00
Female	270	90	62.91	67.12	-0.85	-1.33	63.75	60.85	-2.90	-4.55
Marital status at base year										
Single, divorced, or widowed	340	100	79.92	78.16	0.35	0.44	79.57	80.06	0.49	0.61
Married	50	20	17.20	15.00	0.44	2.63	16.76	17.10	0.35	2.07
Separated	10	10	2.88	6.84	-0.80	-21.66	3.67	2.84	-0.83	-22.72
Citizen status at base year										
US citizen	360	110	89.94	87.44	0.50	0.56	89.43	89.46	0.02	0.02
Resident alien	40	20	9.30	12.56	-0.65	-6.58	9.95	9.64	-0.31	-3.13
Foreign or international student	10	†	0.76	†	0.15	25.14	0.61	0.90	0.29	47.44

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-17. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, nonprofit, 4-year, non-doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non- respondents	Interview respondent percent ¹	Interview non- respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	190	30	8.13	10.78	-0.42	-4.89	8.55	8.09	-0.46	-5.39
Mideast DE-DC, MD, NJ, NY, PA	310	50	16.02	14.06	0.31	1.97	15.71	15.82	0.12	0.73
Great Lakes-IL, IN, MI, OH, WI	370	60	19.76	21.87	-0.33	-1.67	20.09	20.00	-0.09	-0.43
Plains-IA, KS, MN, MO, NE, ND, SD	430	60	18.14	16.94	0.19	1.06	17.95	18.02	0.07	0.36
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	400	70	21.49	25.78	-0.68	-3.06	22.17	21.84	-0.33	-1.49
Southwest-AZ, NM, OK, TX	60	10	2.31	1.59	0.11	5.14	2.19	2.33	0.14	6.19
Rocky Mountains-CO, ID, MT, UT, WY	40	†	2.44	†	0.39*	18.77	2.06	2.36	0.31*	14.90
Far West-AK, CA, HI, NV, OR, WA	170	20	7.67	5.36	0.36	4.99	7.31	7.44	0.13	1.79
Other Jurisdictions-PR	30	10	4.04	3.61	0.07	1.70	3.97	4.10	0.12	3.13
CPS record available at base year										
Yes	1,680	220	83.08	74.25	1.39*	1.71	81.68	82.42	0.74	0.91
No	310	70	16.92	25.75	-1.39*	-7.62	18.32	17.58	-0.74	-4.04
Applied for federal aid										
Yes	1,730	230	85.26	77.69	1.20*	1.42	84.06	84.58	0.52	0.62
No	260	60	14.74	22.31	-1.20*	-7.51	15.94	15.42	-0.52	-3.26
Pell Grant status										
Received	580	100	31.52	37.65	-0.97	-2.98	32.49	32.60	0.12	0.36
Did not receive	1,410	200	68.48	62.35	0.97	1.44	67.51	67.40	-0.12	-0.17
Total Pell Grant amount received										
\$0	1,410	200	68.48	62.35	0.97	1.44	67.51	67.40	-0.12	-0.17
Up to \$2,000	200	30	11.75	15.32	-0.56	-4.57	12.32	12.07	-0.25	-2.04
\$2,001-\$3,700	180	40	10.39	11.33	-0.15	-1.41	10.54	10.89	0.35	3.36
\$3,701 or more	190	30	9.37	11.01	-0.26	-2.68	9.63	9.65	0.02	0.16
Stafford Loan status										
Received	1,230	160	58.78	49.24	1.51*	2.63	57.27	58.72	1.45*	2.53
Did not receive	760	140	41.22	50.76	-1.51*	-3.53	42.73	41.28	-1.45*	-3.40
Total Stafford Loan amount received										
\$0	760	140	41.22	50.76	-1.51*	-3.53	42.73	41.28	-1.45*	-3.40
Up to \$2,624	130	20	5.88	4.14	0.27	4.91	5.60	5.85	0.25	4.38
\$2,625	910	90	41.08	22.42	2.95*	7.73	38.13	40.28	2.15*	5.63
\$2,626 or more	180	50	11.82	22.68	-1.72*	-12.68	13.54	12.60	-0.94	-6.96

See notes at end of table.

Table M-17. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, nonprofit, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non- respondents	Interview respondent percent ¹	Interview non- respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	930	120	40.39	41.11	-0.11	-0.28	40.50	40.10	-0.40	-0.99
1,822–6,690	950	150	50.19	46.91	0.52	1.04	49.67	49.70	0.03	0.06
6,691–16,522	80	10	5.86	6.06	-0.03	-0.54	5.89	5.97	0.08	1.35
16,523 or more	20	10	2.33	5.92	-0.57	-19.61	2.89	2.66	-0.23	-8.05
Unknown	10	†	1.24	†	0.20	18.77	1.05	1.57	0.53	50.38
Age at base year										
15 to 18	1,150	120	55.95	35.91	3.17*	6.00	52.78	54.59	1.81*	3.43
19	650	110	29.08	32.57	-0.55	-1.86	29.63	28.61	-1.02	-3.45
20 to 23	90	30	5.86	11.19	-0.84	-12.56	6.71	6.22	-0.49	-7.28
24 to 29	40	20	3.06	9.86	-1.07*	-25.97	4.14	3.33	-0.80	-19.46
30+	70	20	6.04	10.47	-0.70	-10.38	6.74	7.25	0.50	7.49
High school graduation year										
Before 1998	100	30	8.51	17.82	-1.47*	-14.72	9.98	9.91	-0.08	-0.77
1998–2002	120	40	8.20	16.67	-1.34*	-14.04	9.54	8.66	-0.87	-9.14
2003–04	1,770	220	83.25	65.51	2.80*	3.48	80.45	81.38	0.93	1.16
Did not complete high school	#	†	0.04	†	0.01	18.77	0.03	0.05	0.02	57.33
Dependency status at base year										
Dependent	1,840	240	88.17	72.90	2.41*	2.81	85.76	86.52	0.76	0.89
Independent	150	60	11.83	27.10	-2.41*	-16.93	14.24	13.48	-0.76	-5.34
Income level at base year										
Dependent										
Less than \$10,000	70	10	3.40	5.49	-0.33	-8.83	3.73	3.69	-0.04	-1.12
\$10,000–\$19,999	90	20	5.04	4.96	0.01	0.24	5.03	5.27	0.24	4.72
\$20,000–\$29,999	150	20	6.92	5.55	0.22	3.22	6.70	6.91	0.21	3.16
\$30,000–\$39,999	160	30	8.63	9.17	-0.09	-0.98	8.71	8.50	-0.22	-2.47
\$40,000–\$49,999	160	20	8.28	9.40	-0.18	-2.08	8.46	8.31	-0.15	-1.73
\$50,000–\$59,999	150	20	6.79	3.78	0.48*	7.53	6.32	6.74	0.42	6.68
\$60,000–\$69,999	170	20	7.89	3.96	0.62*	8.55	7.27	7.59	0.31	4.31
\$70,000–\$79,999	160	10	6.89	2.80	0.65*	10.35	6.24	6.51	0.26	4.21
\$80,000–\$99,999	280	30	13.26	9.02	0.67	5.32	12.59	12.75	0.16	1.29
\$100,000 or more	450	60	21.06	18.77	0.36	1.74	20.70	20.25	-0.45	-2.16

See notes at end of table.

Table M-17. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, nonprofit, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	20	10	0.89	3.59	-0.43	-32.36	1.32	0.91	-0.40	-30.70
\$10,000–\$19,999	50	20	3.87	9.16	-0.84	-17.78	4.70	4.33	-0.37	-7.91
\$20,000–\$29,999	30	10	2.00	2.40	-0.06	-3.04	2.07	2.16	0.10	4.60
\$30,000–\$49,999	30	10	2.28	6.32	-0.64	-21.82	2.92	2.50	-0.42	-14.45
\$50,000 or more	30	10	2.79	5.63	-0.45	-13.87	3.24	3.58	0.34	10.59
Race/ethnicity										
White	1,540	190	72.97	57.76	2.40*	3.41	70.56	72.01	1.45	2.06
Black or African American	190	40	12.18	21.61	-1.49*	-10.91	13.67	12.62	-1.04	-7.63
Hispanic or Latino	120	30	8.76	14.93	-0.97	-10.01	9.74	9.25	-0.49	-5.01
Asian	50	10	2.49	3.46	-0.15	-5.76	2.64	2.55	-0.09	-3.48
All other race/ethnicities including more than one race	80	10	3.61	2.25	0.21	6.31	3.39	3.56	0.17	5.07
Gender										
Male	820	150	42.06	52.28	-1.62*	-3.70	43.68	43.11	-0.57	-1.30
Female	1,170	140	57.94	47.72	1.62*	2.87	56.32	56.89	0.57	1.01
Marital status at base year										
Single, divorced, or widowed	1,930	270	94.63	91.66	0.47	0.50	94.17	93.88	-0.29	-0.30
Married	50	20	4.13	7.53	-0.54	-11.49	4.67	4.84	0.17	3.71
Separated	10	#	1.23	0.81	0.07	5.78	1.16	1.28	0.11	9.70
Citizen status at base year										
US citizen	1,940	270	96.58	90.30	0.99*	1.04	95.58	96.33	0.75	0.78
Resident alien	30	10	1.94	4.90	-0.47	-19.42	2.41	1.93	-0.48	-19.86
Foreign or international student	20	10	1.48	4.80	-0.52*	-26.14	2.01	1.74	-0.27	-13.39

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-18. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, nonprofit, 4-year, doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	280	50	25.79	37.94	-1.61	-5.87	27.40	25.99	-1.41	-5.16
Mideast DE-DC, MD, NJ, NY, PA	400	50	28.35	27.05	0.17	0.61	28.18	28.71	0.54	1.90
Great Lakes-IL, IN, MI, OH, WI	150	20	10.52	11.09	-0.08	-0.71	10.60	10.31	-0.29	-2.74
Plains-IA, KS, MN, MO, NE, ND, SD	50	#	2.50	0.81	0.22*	9.83	2.27	2.42	0.15	6.69
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	150	20	11.16	7.36	0.50	4.72	10.66	11.12	0.46	4.31
Southwest-AZ, NM, OK, TX	90	10	4.56	3.62	0.12	2.80	4.43	4.54	0.10	2.33
Rocky Mountains-CO, ID, MT, UT, WY	60	#	4.67	0.68	0.53*	12.77	4.14	4.59	0.45	10.94
Far West-AK, CA, HI, NV, OR, WA	150	20	11.45	10.06	0.18	1.63	11.27	11.31	0.04	0.37
Other Jurisdictions-PR	30	10	1.00	1.38	-0.05	-4.77	1.05	1.01	-0.04	-3.96
CPS record available at base year										
Yes	980	130	71.61	70.62	0.13	0.18	71.48	71.25	-0.23	-0.32
No	370	50	28.39	29.38	-0.13	-0.46	28.52	28.75	0.23	0.80
Applied for federal aid										
Yes	1,030	130	75.75	75.37	0.05	0.07	75.70	75.62	-0.08	-0.11
No	310	50	24.25	24.63	-0.05	-0.21	24.30	24.38	0.08	0.33
Pell Grant status										
Received	290	50	20.87	23.83	-0.39	-1.85	21.26	21.20	-0.06	-0.28
Did not receive	1,050	120	79.13	76.17	0.39	0.50	78.74	78.80	0.06	0.07
Total Pell Grant amount received										
\$0	1,050	120	79.13	76.17	0.39	0.50	78.74	78.80	0.06	0.07
Up to \$2,000	100	20	7.28	8.47	-0.16	-2.12	7.44	7.41	-0.03	-0.37
\$2,001-\$3,700	70	20	5.51	8.10	-0.34	-5.85	5.86	5.67	-0.19	-3.23
\$3,701 or more	120	10	8.07	7.25	0.11	1.36	7.96	8.12	0.16	1.98
Stafford Loan status										
Received	640	90	47.74	53.57	-0.77	-1.59	48.52	47.84	-0.68	-1.39
Did not receive	700	90	52.26	46.43	0.77	1.50	51.48	52.16	0.68	1.31
Total Stafford Loan amount received										
\$0	700	90	52.26	46.43	0.77	1.50	51.48	52.16	0.68	1.31
Up to \$2,624	50	10	3.34	3.32	0.00	0.09	3.34	3.43	0.09	2.84
\$2,625	510	60	37.08	35.42	0.22	0.60	36.86	37.00	0.14	0.39
\$2,626 or more	90	20	7.33	14.83	-0.99	-11.94	8.32	7.40	-0.91	-11.00

See notes at end of table.

Table M-18. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, nonprofit, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non- respondents	Interview respondent percent ¹	Interview non- respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	90	20	6.20	9.08	-0.38	-5.78	6.58	6.20	-0.39	-5.89
1,822–6,690	550	80	40.47	34.17	0.84	2.11	39.64	40.36	0.72	1.83
6,691–16,522	490	60	36.69	45.44	-1.16	-3.06	37.85	36.86	-0.99	-2.63
16,523 or more	220	20	16.54	11.31	0.69	4.37	15.84	16.50	0.65	4.13
Unknown	#	#	0.09	0.01	0.01*	14.11	0.08	0.09	#	4.51
Age at base year										
15 to 18	930	110	68.76	61.98	0.90	1.32	67.86	68.17	0.31	0.46
19	360	60	26.77	32.84	-0.80	-2.91	27.58	26.75	-0.83	-3.01
20 to 23	40	#	3.38	4.59	-0.16	-4.53	3.54	3.73	0.20	5.53
24 to 29	10	#	0.27	0.54	-0.03	-11.32	0.31	0.39	0.08	25.88
30+	10	#	0.82	0.06	0.10*	14.03	0.72	0.96	0.24	34.05
High school graduation year										
Before 1998	20	#	1.20	0.54	0.09	7.92	1.11	1.45	0.34	30.14
1998–2002	40	10	3.97	9.36	-0.71	-15.24	4.68	4.25	-0.43	-9.19
2003–04	1,280	160	94.03	90.04	0.53	0.56	93.50	93.34	-0.17	-0.18
Did not complete high school	#	#	0.80	0.06	0.10	14.00	0.70	0.96	0.26	37.37
Dependency status at base year										
Dependent	1,310	170	98.01	99.24	-0.16	-0.17	98.17	97.71	-0.46	-0.47
Independent	40	10	1.99	0.76	0.16	8.95	1.83	2.29	0.46	25.02
Income level at base year										
Dependent										
Less than \$10,000	40	10	2.79	2.97	-0.02	-0.84	2.82	2.79	-0.03	-0.90
\$10,000–\$19,999	70	10	5.40	5.19	0.03	0.53	5.37	5.54	0.16	3.02
\$20,000–\$29,999	90	20	6.03	13.15	-0.94	-13.53	6.97	6.10	-0.87	-12.46
\$30,000–\$39,999	100	20	8.45	8.22	0.03	0.35	8.42	8.60	0.18	2.19
\$40,000–\$49,999	90	20	8.01	9.14	-0.15	-1.84	8.16	8.17	#	0.05
\$50,000–\$59,999	90	10	6.15	4.74	0.19	3.13	5.96	6.26	0.30	4.97
\$60,000–\$69,999	100	20	7.66	15.62	-1.05	-12.10	8.71	7.50	-1.21	-13.91
\$70,000–\$79,999	70	10	5.16	3.96	0.16	3.19	5.00	5.31	0.31	6.11
\$80,000–\$99,999	170	30	11.42	17.22	-0.77	-6.30	12.19	11.18	-1.01	-8.32
\$100,000 or more	480	40	36.93	19.04	2.37*	6.86	34.56	36.27	1.71*	4.95

See notes at end of table.

Table M-18. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, nonprofit, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	10	†	0.68	†	0.09	15.27	0.59	0.68	0.08	14.30
\$10,000–\$19,999	10	#	0.35	0.27	0.01	3.23	0.34	0.50	0.16	46.74
\$20,000–\$29,999	10	#	0.17	0.06	0.02	9.63	0.16	0.20	0.04	27.46
\$30,000–\$49,999	10	#	0.45	0.03	0.06	14.27	0.40	0.57	0.17	42.43
\$50,000 or more	10	#	0.33	0.40	-0.01	-2.83	0.34	0.34	#	0.40
Race/ethnicity										
White	930	110	69.34	58.71	1.41	2.07	67.93	68.68	0.74	1.09
Black or African American	100	20	7.98	13.23	-0.70*	-8.01	8.68	8.05	-0.63	-7.25
Hispanic or Latino	130	20	9.35	14.60	-0.70	-6.93	10.04	9.54	-0.50	-4.96
Asian	120	20	8.77	11.97	-0.42	-4.61	9.20	9.17	-0.02	-0.25
All other race/ethnicities including more than one race	70	10	4.56	1.49	0.41*	9.77	4.15	4.56	0.41	9.80
Gender										
Male	560	70	43.02	41.18	0.24	0.57	42.78	43.48	0.70	1.64
Female	780	110	56.98	58.82	-0.24	-0.43	57.22	56.52	-0.70	-1.23
Marital status at base year										
Single, divorced, or widowed	1,330	180	99.44	100.00	-0.07*	-0.07	99.52	99.29	-0.23	-0.23
Married	10	†	0.41	†	0.05	15.27	0.36	0.54	0.18	50.03
Separated	#	†	0.14	†	0.02	15.27	0.12	0.17	0.05	37.38
Citizen status at base year										
US citizen	1,290	160	94.76	86.28	1.12	1.20	93.63	93.93	0.30	0.32
Resident alien	30	10	2.89	2.30	0.08	2.79	2.81	3.10	0.29	10.33
Foreign or international student	30	10	2.35	11.42	-1.20	-33.82	3.55	2.96	-0.59	-16.58

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-19. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, for-profit, less-than-2-year institutions: 2009

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	80	30	4.02	8.03	-1.18	-22.72	5.20	4.27	-0.93	-17.83
Mideast DE-DC, MD, NJ, NY, PA	170	90	14.76	19.05	-1.26	-7.87	16.02	15.51	-0.51	-3.16
Great Lakes-IL, IN, MI, OH, WI	130	50	16.23	16.02	0.06	0.37	16.17	16.07	-0.09	-0.58
Plains-IA, KS, MN, MO, NE, ND, SD	40	20	3.17	3.73	-0.17	-4.98	3.33	3.05	-0.28	-8.40
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	160	70	13.76	11.82	0.57	4.33	13.19	14.09	0.90	6.83
Southwest-AZ, NM, OK, TX	220	90	29.94	27.32	0.77	2.64	29.17	30.00	0.83	2.85
Rocky Mountains-CO, ID, MT, UT, WY	20	10	0.92	0.30	0.18*	24.50	0.74	0.92	0.19*	25.33
Far West-AK, CA, HI, NV, OR, WA	160	60	12.25	11.75	0.15	1.22	12.10	11.61	-0.49	-4.03
Other Jurisdictions-PR	60	10	4.96	1.98	0.88*	21.50	4.08	4.46	0.38	9.20
CPS record available at base year										
Yes	940	390	94.84	96.68	-0.54	-0.57	95.38	95.47	0.09	0.09
No	90	30	5.16	3.32	0.54	11.77	4.62	4.53	-0.09	-1.95
Applied for federal aid										
Yes	960	400	96.24	99.22	-0.88*	-0.91	97.12	96.80	-0.32	-0.33
No	70	20	3.76	0.78	0.88*	30.49	2.88	3.20	0.32	10.95
Pell Grant status										
Received	760	330	90.29	94.82	-1.33*	-1.45	91.62	91.34	-0.28	-0.31
Did not receive	270	90	9.71	5.18	1.33*	15.89	8.38	8.66	0.28	3.39
Total Pell Grant amount received										
\$0	270	90	9.71	5.18	1.33*	15.89	8.38	8.66	0.28	3.39
Up to \$2,000	160	80	18.30	23.38	-1.49	-7.54	19.79	18.82	-0.98	-4.94
\$2,001-\$3,700	280	120	35.27	37.12	-0.54	-1.52	35.82	36.26	0.44	1.23
\$3,701 or more	310	140	36.72	34.32	0.70	1.96	36.01	36.26	0.25	0.70
Stafford Loan status										
Received	710	310	72.35	77.74	-1.59	-2.14	73.94	73.28	-0.66	-0.89
Did not receive	320	120	27.65	22.26	1.59	6.08	26.06	26.72	0.66	2.52
Total Stafford Loan amount received										
\$0	320	120	27.65	22.26	1.59	6.08	26.06	26.72	0.66	2.52
Up to \$2,624	120	40	17.48	15.12	0.69	4.14	16.79	17.02	0.23	1.38
\$2,625	110	40	11.87	9.66	0.65	5.79	11.22	10.87	-0.35	-3.14
\$2,626 or more	480	220	43.00	52.95	-2.93*	-6.38	45.93	45.39	-0.54	-1.17

See notes at end of table.

Table M-19. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, for-profit, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non- respondents	Interview respondent percent ¹	Interview non- respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	970	390	97.10	95.34	0.52	0.54	96.58	97.02	0.44	0.46
1,822–6,690	20	20	1.22	3.74	-0.74*	-37.80	1.96	1.40	-0.55	-28.30
6,691–16,522	#	#	0.41	0.25	0.05	12.47	0.36	0.31	-0.05	-15.00
16,523 or more	10	#	0.70	0.16	0.16	29.19	0.54	0.69	0.15	28.25
Unknown	30	10	0.58	0.51	0.02	3.69	0.56	0.57	0.01	2.69
Age at base year										
15 to 18	200	80	21.61	19.16	0.72	3.45	20.89	20.42	-0.47	-2.25
19	170	60	15.29	14.67	0.18	1.21	15.11	13.82	-1.29	-8.54
20 to 23	230	100	24.74	25.24	-0.15	-0.59	24.89	24.95	0.06	0.25
24 to 29	190	80	18.54	20.05	-0.45	-2.35	18.98	20.18	1.20	6.30
30+	230	100	19.82	20.87	-0.31	-1.54	20.13	20.63	0.50	2.50
High school graduation year										
Before 1998	330	150	27.91	32.17	-1.26	-4.30	29.16	29.39	0.23	0.79
1998–2002	320	120	32.34	29.38	0.87	2.77	31.47	32.27	0.80	2.55
2003–04	330	130	34.78	33.33	0.42	1.23	34.35	33.09	-1.26	-3.68
Did not complete high school	50	20	4.97	5.11	-0.04	-0.82	5.02	5.24	0.23	4.55
Dependency status at base year										
Dependent	400	160	40.34	39.23	0.32	0.81	40.01	38.07	-1.94	-4.85
Independent	620	270	59.66	60.77	-0.32	-0.54	59.99	61.93	1.94	3.24
Income level at base year										
Dependent										
Less than \$10,000	60	30	6.04	9.00	-0.87	-12.62	6.91	6.47	-0.43	-6.27
\$10,000–\$19,999	90	30	9.67	8.68	0.29	3.12	9.38	9.12	-0.26	-2.80
\$20,000–\$29,999	80	30	10.32	9.14	0.34	3.45	9.97	9.37	-0.60	-5.98
\$30,000–\$39,999	50	20	6.56	8.73	-0.64	-8.86	7.20	5.94	-1.26	-17.55
\$40,000–\$49,999	30	10	2.94	1.27	0.49*	20.12	2.45	2.84	0.39	15.81
\$50,000–\$59,999	40	10	1.80	0.66	0.33	22.86	1.46	1.79	0.33*	22.27
\$60,000–\$69,999	10	10	0.39	0.72	-0.10	-19.85	0.49	0.37	-0.12	-25.40
\$70,000–\$79,999	10	#	0.43	0.10	0.10*	29.40	0.33	0.34	0.01	3.20
\$80,000–\$99,999	20	10	0.66	0.39	0.08	13.75	0.58	0.54	-0.05	-7.72
\$100,000 or more	20	10	1.52	0.54	0.29	23.51	1.23	1.29	0.06	4.96

See notes at end of table.

Table M-19. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, for-profit, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	140	70	15.04	13.89	0.34	2.31	14.70	14.85	0.15	1.03
\$10,000–\$19,999	280	120	30.75	32.31	-0.46	-1.47	31.21	32.58	1.37	4.40
\$20,000–\$29,999	110	30	9.42	6.33	0.91*	10.68	8.51	10.02	1.51*	17.71
\$30,000–\$49,999	60	30	3.63	7.12	-1.03*	-22.02	4.66	3.64	-1.02*	-21.88
\$50,000 or more	30	10	0.83	1.12	-0.09	-9.44	0.91	0.84	-0.07	-7.74
Race/ethnicity										
White	360	150	31.12	30.32	0.23	0.76	30.88	31.03	0.15	0.48
Black or African American	260	100	27.67	22.12	1.63	6.27	26.04	27.18	1.14	4.40
Hispanic or Latino	330	150	34.89	40.27	-1.58	-4.34	36.47	34.70	-1.77	-4.86
Asian	30	10	2.08	2.38	-0.09	-4.06	2.17	2.19	0.01	0.69
All other race/ethnicities including more than one race	50	20	4.25	4.90	-0.19	-4.37	4.44	4.90	0.47	10.48
Gender										
Male	230	100	20.20	29.51	-2.74*	-11.94	22.94	22.23	-0.70	-3.07
Female	800	320	79.80	70.49	2.74*	3.55	77.06	77.77	0.70	0.91
Marital status at base year										
Single, divorced, or widowed	780	320	77.98	75.58	0.71	0.92	77.27	77.18	-0.09	-0.12
Married	190	80	14.98	17.79	-0.83	-5.24	15.81	15.92	0.12	0.74
Separated	60	30	7.04	6.63	0.12	1.74	6.92	6.89	-0.03	-0.37
Citizen status at base year										
US citizen	940	390	91.97	91.93	0.01	0.01	91.95	92.25	0.30	0.32
Resident alien	80	30	7.95	7.83	0.03	0.43	7.92	7.66	-0.26	-3.23
Foreign or international student	10	#	0.08	0.24	-0.05	-35.08	0.13	0.09	-0.04	-31.61

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-20. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, for-profit, 2-year or more institutions: 2009

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	30	10	2.65	0.72	0.54	25.44	2.11	3.09	0.98	46.52
Mideast DE-DC, MD, NJ, NY, PA	100	50	12.64	18.03	-1.50	-10.61	14.14	13.17	-0.96	-6.82
Great Lakes-IL, IN, MI, OH, WI	110	40	14.33	15.42	-0.30	-2.06	14.64	13.78	-0.85	-5.84
Plains-IA, KS, MN, MO, NE, ND, SD	10	#	1.33	1.26	0.02	1.51	1.31	1.33	0.02	1.54
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	260	90	36.45	33.67	0.77	2.16	35.67	36.88	1.21	3.39
Southwest-AZ, NM, OK, TX	90	30	9.33	8.07	0.35	3.89	8.98	8.96	-0.01	-0.16
Rocky Mountains-CO, ID, MT, UT, WY	90	20	6.96	5.31	0.46	7.09	6.50	6.56	0.06	0.92
Far West-AK, CA, HI, NV, OR, WA	140	70	15.31	17.06	-0.49	-3.09	15.80	15.38	-0.42	-2.65
Other Jurisdictions-PR	#	#	1.01	0.46	0.15	17.69	0.86	0.84	-0.02	-2.09
CPS record available at base year										
Yes	770	290	93.04	93.26	-0.06	-0.07	93.10	93.25	0.15	0.16
No	60	30	6.96	6.74	0.06	0.89	6.90	6.75	-0.15	-2.18
Applied for federal aid										
Yes	790	300	95.06	96.42	-0.38	-0.40	95.44	95.16	-0.28	-0.29
No	40	20	4.94	3.58	0.38	8.31	4.56	4.84	0.28	6.13
Pell Grant status										
Received	510	200	68.10	71.22	-0.87	-1.26	68.97	68.11	-0.86	-1.25
Did not receive	330	120	31.90	28.78	0.87	2.80	31.03	31.89	0.86	2.78
Total Pell Grant amount received										
\$0	330	120	31.90	28.78	0.87	2.80	31.03	31.89	0.86	2.78
Up to \$2,000	180	70	22.77	24.25	-0.41	-1.78	23.18	23.53	0.35	1.50
\$2,001-\$3,700	170	70	24.35	28.10	-1.05	-4.12	25.40	22.80	-2.60	-10.23
\$3,701 or more	150	60	20.98	18.87	0.59	2.88	20.39	21.78	1.39	6.80
Stafford Loan status										
Received	660	250	83.80	85.09	-0.36	-0.43	84.16	84.41	0.24	0.29
Did not receive	170	60	16.20	14.91	0.36	2.27	15.84	15.59	-0.24	-1.54
Total Stafford Loan amount received										
\$0	170	60	16.20	14.91	0.36	2.27	15.84	15.59	-0.24	-1.54
Up to \$2,624	100	40	13.42	10.02	0.95	7.60	12.47	13.94	1.46	11.74
\$2,625	80	30	9.94	10.39	-0.12	-1.22	10.07	8.99	-1.07	-10.68
\$2,626 or more	490	190	60.44	64.69	-1.18	-1.92	61.62	61.48	-0.15	-0.24

See notes at end of table.

Table M-20. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, for-profit, 2-year or more institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non- respondents	Interview respondent percent ¹	Interview non- respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	580	220	69.71	63.93	1.61	2.37	68.10	71.40	3.29*	4.84
1,822–6,690	210	80	24.05	30.12	-1.69	-6.58	25.74	22.53	-3.21*	-12.46
6,691–16,522	20	10	2.58	1.04	0.43	19.94	2.15	2.65	0.50	23.05
16,523 or more	10	#	1.97	1.90	0.02	1.12	1.95	1.65	-0.30	-15.51
Unknown	20	10	1.68	3.01	-0.37	-18.03	2.05	1.77	-0.28	-13.64
Age at base year										
15 to 18	210	70	25.05	24.97	0.02	0.09	25.03	23.86	-1.17	-4.67
19	140	50	17.35	13.39	1.10	6.79	16.25	17.38	1.13	6.96
20 to 23	180	90	21.25	25.80	-1.27	-5.62	22.52	20.82	-1.70	-7.54
24 to 29	140	60	16.85	17.14	-0.08	-0.48	16.93	18.34	1.41	8.31
30+	160	50	19.49	18.70	0.22	1.15	19.27	19.60	0.33	1.71
High school graduation year										
Before 1998	260	90	30.26	30.04	0.06	0.21	30.20	30.60	0.40	1.31
1998–2002	210	100	25.88	31.83	-1.66	-6.02	27.53	26.16	-1.37	-4.98
2003–04	350	120	41.51	37.24	1.19	2.94	40.32	40.46	0.14	0.36
Did not complete high school	20	#	2.35	0.89	0.41	20.95	1.95	2.78	0.83	42.61
Dependency status at base year										
Dependent	410	150	46.55	46.71	-0.04	-0.09	46.60	45.65	-0.94	-2.03
Independent	420	170	53.45	53.29	0.04	0.08	53.40	54.35	0.94	1.77
Income level at base year										
Dependent										
Less than \$10,000	30	20	3.31	4.40	-0.30	-8.39	3.62	3.52	-0.09	-2.62
\$10,000–\$19,999	60	20	8.01	6.42	0.44	5.84	7.57	8.43	0.86	11.37
\$20,000–\$29,999	70	30	9.04	9.86	-0.23	-2.46	9.27	8.41	-0.85	-9.20
\$30,000–\$39,999	50	20	5.50	5.60	-0.03	-0.53	5.53	5.35	-0.18	-3.19
\$40,000–\$49,999	50	20	5.62	4.41	0.34	6.40	5.28	5.39	0.11	2.16
\$50,000–\$59,999	40	10	4.79	3.55	0.34	7.76	4.44	4.85	0.40	9.05
\$60,000–\$69,999	30	10	2.68	2.74	-0.02	-0.62	2.70	2.49	-0.21	-7.62
\$70,000–\$79,999	20	10	2.63	2.66	-0.01	-0.30	2.64	2.44	-0.20	-7.47
\$80,000–\$99,999	30	10	2.23	2.92	-0.19	-7.90	2.42	2.08	-0.35	-14.35
\$100,000 or more	40	20	2.74	4.15	-0.39	-12.51	3.13	2.69	-0.45	-14.23

See notes at end of table.

Table M-20. Student nonresponse bias for interview respondents using the BPS:04/09 study weight, by select variables for students in private, for-profit, 2-year or more institutions: 2009—Continued

Variable	Before nonresponse adjustment							Using BPS:04/09 study weight		
	Unweighted interview respondents	Unweighted interview non-respondents	Interview respondent percent ¹	Interview non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Interview percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	80	30	10.80	10.19	0.17	1.61	10.63	10.87	0.24	2.23
\$10,000–\$19,999	160	70	20.85	24.53	-1.03	-4.69	21.87	20.60	-1.27	-5.82
\$20,000–\$29,999	80	30	10.69	8.80	0.53	5.19	10.16	11.83	1.67	16.44
\$30,000–\$49,999	60	30	5.97	6.13	-0.04	-0.72	6.01	5.84	-0.17	-2.84
\$50,000 or more	50	10	5.14	3.65	0.42	8.81	4.72	5.20	0.48	10.13
Race/ethnicity										
White	420	160	50.29	50.32	-0.01	-0.02	50.30	49.51	-0.79	-1.56
Black or African American	190	50	23.25	19.27	1.11	5.01	22.14	23.56	1.41	6.38
Hispanic or Latino	150	70	18.00	18.68	-0.19	-1.04	18.19	17.81	-0.39	-2.12
Asian	20	10	1.74	1.77	-0.01	-0.39	1.75	1.84	0.08	4.84
All other race/ethnicities including more than one race	50	20	6.71	9.96	-0.90	-11.87	7.62	7.29	-0.33	-4.28
Gender										
Male	370	170	42.54	53.29	-3.00	-6.58	45.53	43.22	-2.32	-5.09
Female	460	140	57.46	46.71	3.00	5.50	54.47	56.78	2.32	4.25
Marital status at base year										
Single, divorced, or widowed	670	260	81.42	76.90	1.26	1.57	80.16	80.82	0.66	0.82
Married	130	50	14.43	18.86	-1.23	-7.87	15.66	14.31	-1.36	-8.66
Separated	30	10	4.15	4.24	-0.03	-0.62	4.17	4.87	0.70	16.75
Citizen status at base year										
US citizen	780	290	93.11	92.17	0.26	0.28	92.85	93.47	0.62	0.67
Resident alien	50	20	6.81	7.83	-0.29	-4.03	7.09	6.41	-0.68	-9.57
Foreign or international student	#	†	0.08	†	0.02	38.60	0.06	0.11	0.06	95.54

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 study weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-21. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for all students: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution type										
Public										
Less-than-2-year	380	160	1.09	2.62	-0.22*	-16.80	1.30	1.31	0.01	0.58
2-year	5,360	950	42.17	49.43	-1.04*	-2.41	43.21	43.22	0.01	0.02
4-year non-doctorate-granting	1,560	120	10.74	5.81	0.71*	7.03	10.03	10.00	-0.04	-0.36
4-year doctorate-granting	2,950	130	18.41	5.83	1.80*	10.83	16.61	16.61	#	0.02
Private nonprofit										
Less-than-4-year	420	110	1.06	1.57	-0.07	-6.34	1.13	1.14	#	0.32
4-year non-doctorate-granting	2,170	120	9.77	5.02	0.68*	7.49	9.09	9.02	-0.08	-0.83
4-year doctorate-granting	1,480	50	5.66	1.23	0.63*	12.61	5.03	5.07	0.05	0.91
Private for-profit										
Less-than-2-year	950	500	4.63	15.17	-1.51*	-24.57	6.14	6.20	0.06	0.99
2 years or more	860	290	6.47	13.33	-0.98*	-13.17	7.45	7.43	-0.02	-0.25
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	1,080	120	5.30	4.59	0.10	1.93	5.20	5.14	-0.05	-1.04
Mideast DE-DC, MD, NJ, NY, PA	2,390	370	12.98	13.27	-0.04	-0.32	13.02	13.00	-0.02	-0.18
Great Lakes-IL, IN, MI, OH, WI	2,790	360	19.16	16.51	0.38*	2.02	18.78	18.80	0.02	0.10
Plains-IA, KS, MN, MO, NE, ND, SD	1,710	190	7.40	5.65	0.25*	3.51	7.15	7.17	0.02	0.26
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	3,690	590	22.60	22.73	-0.02	-0.09	22.62	22.60	-0.02	-0.07
Southwest-AZ, NM, OK, TX	1,650	350	11.78	17.26	-0.78*	-6.24	12.57	12.61	0.04	0.32
Rocky Mountains-CO, ID, MT, UT, WY	580	70	4.00	2.77	0.18*	4.60	3.82	3.81	-0.01	-0.35
Far West-AK, CA, HI, NV, OR, WA	2,000	340	15.54	16.22	-0.10	-0.62	15.64	15.66	0.02	0.12
Other Jurisdictions-PR	240	30	1.25	0.99	0.04	2.97	1.21	1.22	0.01	0.98
CPS record available at base year										
Yes	11,980	1,720	68.84	64.98	0.55*	0.81	68.29	68.19	-0.10	-0.15
No	4,140	700	31.16	35.02	-0.55*	-1.74	31.71	31.81	0.10	0.33
Applied for federal aid										
Yes	12,570	1,880	72.55	72.66	-0.02	-0.02	72.57	72.10	-0.47*	-0.64
No	3,550	530	27.45	27.34	0.02	0.06	27.43	27.90	0.47*	1.70

See notes at end of table.

Table M-21. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for all students: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Pell Grant status										
Received	5,870	1,180	34.14	45.11	-1.57*	-4.39	35.71	35.70	-0.01	-0.03
Did not receive	10,260	1,240	65.86	54.89	1.57*	2.44	64.29	64.30	0.01	0.02
Total Pell Grant amount received										
\$0	10,260	1,240	65.86	54.89	1.57*	2.44	64.29	64.30	0.01	0.02
Up to \$2,000	1,940	390	12.47	16.81	-0.62*	-4.74	13.09	13.17	0.07	0.56
\$2,001–\$3,700	2,020	420	11.75	16.60	-0.69*	-5.57	12.45	12.32	-0.13	-1.02
\$3,701 or more	1,910	360	9.92	11.69	-0.25*	-2.50	10.17	10.21	0.04	0.41
Stafford Loan status										
Received	6,550	970	34.77	34.55	0.03	0.09	34.74	34.84	0.10	0.29
Did not receive	9,570	1,450	65.23	65.45	-0.03	-0.05	65.26	65.16	-0.10	-0.15
Total Stafford Loan amount received										
\$0	9,570	1,450	65.23	65.45	-0.03	-0.05	65.26	65.16	-0.10	-0.15
Up to \$2,624	1,090	200	6.46	7.32	-0.12	-1.88	6.58	6.72	0.14	2.07
\$2,625	3,560	210	17.83	7.06	1.54*	9.46	16.29	16.44	0.16	0.96
\$2,626 or more	1,900	560	10.49	20.17	-1.38*	-11.66	11.87	11.68	-0.19	-1.61
Institution undergraduate enrollment										
0–1,821	3,580	990	17.75	29.80	-1.72*	-8.85	19.47	19.80	0.32	1.65
1,822–6,690	4,090	540	23.19	22.72	0.07	0.29	23.13	22.62	-0.51*	-2.20
6,691–16,522	4,100	490	28.01	24.15	0.55*	2.01	27.46	27.71	0.25	0.93
16,523 or more	4,270	360	30.67	22.36	1.19*	4.04	29.48	29.46	-0.02	-0.07
Unknown	90	30	0.37	0.97	-0.09	-18.88	0.46	0.41	-0.05	-10.33
Age at base year										
15 to 18	7,750	640	45.85	26.66	2.75*	6.37	43.10	43.06	-0.05	-0.11
19	4,210	460	24.65	18.01	0.95*	4.01	23.70	23.70	#	#
20 to 23	1,660	470	11.49	19.97	-1.21*	-9.56	12.70	12.69	-0.01	-0.08
24 to 29	990	350	6.67	14.36	-1.10*	-14.17	7.77	7.79	0.02	0.19
30+	1,510	500	11.35	21.00	-1.38*	-10.85	12.73	12.77	0.04	0.34
High school graduation year										
Before 1998	2,160	710	15.77	30.35	-2.09*	-11.68	17.85	17.80	-0.05	-0.29
1998–2002	2,220	640	15.78	26.75	-1.57*	-9.05	17.35	17.15	-0.20	-1.17
2003–04	11,630	1,010	67.61	40.20	3.92*	6.16	63.69	64.01	0.32	0.50
Did not complete high school	110	60	0.84	2.70	-0.27*	-23.95	1.11	1.04	-0.07	-5.91

See notes at end of table.

Table M-21. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for all students: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Dependency status at base year										
Dependent	12,550	1,270	74.75	52.11	3.24*	4.53	71.51	71.48	-0.03	-0.05
Independent	3,580	1,140	25.25	47.89	-3.24*	-11.37	28.49	28.52	0.03	0.12
Income level at base year										
Dependent										
Less than \$10,000	670	120	4.05	4.99	-0.14	-3.23	4.18	4.19	#	0.10
\$10,000–\$19,999	1,000	150	5.88	6.51	-0.09	-1.51	5.97	5.96	#	-0.03
\$20,000–\$29,999	1,280	160	7.55	6.13	0.20	2.77	7.35	7.36	0.01	0.19
\$30,000–\$39,999	1,260	160	7.94	6.28	0.24*	3.07	7.70	7.73	0.03	0.33
\$40,000–\$49,999	1,120	130	6.70	5.67	0.15	2.24	6.55	6.57	0.02	0.32
\$50,000–\$59,999	1,040	120	6.17	5.08	0.16	2.60	6.02	6.02	#	0.05
\$60,000–\$69,999	1,180	90	7.46	3.94	0.50*	7.23	6.95	6.95	-0.01	-0.14
\$70,000–\$79,999	890	80	5.64	2.88	0.39*	7.52	5.25	5.25	#	0.04
\$80,000–\$99,999	1,530	100	8.61	3.15	0.78*	9.98	7.83	7.81	-0.01	-0.19
\$100,000 or more	2,570	170	14.76	7.47	1.04*	7.60	13.72	13.64	-0.08*	-0.57
Independent										
Less than \$10,000	670	220	4.33	7.92	-0.51*	-10.62	4.84	4.82	-0.02	-0.38
\$10,000–\$19,999	1,270	450	8.07	18.46	-1.49*	-15.54	9.56	9.57	0.01	0.07
\$20,000–\$29,999	610	180	4.11	7.58	-0.50*	-10.79	4.61	4.58	-0.03	-0.64
\$30,000–\$49,999	570	160	4.54	7.08	-0.36*	-7.40	4.91	4.93	0.02	0.48
\$50,000 or more	460	130	4.19	6.85	-0.38*	-8.32	4.57	4.62	0.05	1.13
Race/ethnicity										
White	10,450	1,270	63.25	51.08	1.74*	2.83	61.51	61.54	0.03	0.05
Black or African American	2,100	420	13.24	17.12	-0.56*	-4.02	13.80	13.79	-0.01	-0.06
Hispanic or Latino	1,990	490	13.88	21.16	-1.04*	-6.98	14.92	14.90	-0.02	-0.12
Asian	750	90	4.77	4.34	0.06	1.31	4.70	4.71	0.01	0.11
All other race/ethnicities including more than one race	830	150	4.86	6.30	-0.20	-4.04	5.07	5.06	-0.01	-0.21
Gender										
Male	6,630	1,070	41.87	46.65	-0.68*	-1.61	42.56	42.55	-0.01	-0.02
Female	9,500	1,350	58.13	53.35	0.68*	1.19	57.44	57.45	0.01	0.01

See notes at end of table.

Table M-21. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for all students: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Marital status at base year										
Single, divorced, or widowed	14,590	1,920	88.84	79.08	1.40*	1.60	87.44	87.51	0.07	0.08
Married	1,320	410	9.87	17.75	-1.13*	-10.25	11.00	10.93	-0.06	-0.56
Separated	220	90	1.29	3.17	-0.27*	-17.19	1.56	1.55	-0.01	-0.49
Citizen status at base year										
US citizen	15,310	2,210	94.20	91.30	0.41*	0.44	93.78	93.77	-0.02	-0.02
Resident alien	670	150	4.93	5.91	-0.14	-2.76	5.07	5.09	0.02	0.42
Foreign or international student	140	60	0.87	2.79	-0.27*	-23.98	1.15	1.14	#	-0.43

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 panel weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-22. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in public, less-than-2-year institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	†	†	†	†	†	†	†	†	†	†
Mideast DE-DC, MD, NJ, NY, PA	30	10	9.11	8.98	0.04	0.41	9.07	10.25	1.18	13.01
Great Lakes-IL, IN, MI, OH, WI	70	40	23.04	24.74	-0.49	-2.08	23.53	22.14	-1.39	-5.89
Plains-IA, KS, MN, MO, NE, ND, SD	20	10	10.08	9.69	0.11	1.10	9.97	8.95	-1.02	-10.20
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	170	60	28.29	25.54	0.79	2.86	27.50	28.05	0.55	2.01
Southwest-AZ, NM, OK, TX	40	10	11.92	9.32	0.75	6.69	11.17	12.14	0.97	8.68
Rocky Mountains-CO, ID, MT, UT, WY	#	#	0.56	0.70	-0.04	-6.75	0.60	0.48	-0.12	-19.78
Far West-AK, CA, HI, NV, OR, WA	40	30	16.66	21.03	-1.25	-7.00	17.92	17.68	-0.24	-1.34
Other Jurisdictions-PR	#	†	0.35	†	0.10	40.27	0.25	0.31	0.06	23.04
CPS record available at base year										
Yes	320	130	74.58	69.02	1.60	2.19	72.98	73.03	0.04	0.06
No	70	30	25.42	30.98	-1.60	-5.92	27.02	26.97	-0.04	-0.16
Applied for federal aid										
Yes	320	130	77.22	69.64	2.18	2.90	75.04	76.01	0.97	1.29
No	60	30	22.78	30.36	-2.18	-8.72	24.96	23.99	-0.97	-3.87
Pell Grant status										
Received	230	90	53.82	55.18	-0.39	-0.72	54.21	52.42	-1.78	-3.29
Did not receive	150	70	46.18	44.82	0.39	0.85	45.79	47.58	1.78	3.89
Total Pell Grant amount received										
\$0	150	70	46.18	44.82	0.39	0.85	45.79	47.58	1.78	3.89
Up to \$2,000	90	40	27.08	28.91	-0.52	-1.90	27.60	25.28	-2.33	-8.43
\$2,001–\$3,700	90	40	18.85	19.55	-0.20	-1.06	19.05	19.30	0.25	1.33
\$3,701 or more	50	10	7.90	6.72	0.34	4.45	7.56	7.85	0.29	3.82
Stafford Loan status										
Received	60	30	16.60	16.44	0.05	0.29	16.56	17.02	0.46	2.80
Did not receive	320	130	83.40	83.56	-0.05	-0.06	83.44	82.98	-0.46	-0.55
Total Stafford Loan amount received										
\$0	320	130	83.40	83.56	-0.05	-0.06	83.44	82.98	-0.46	-0.55
Up to \$2,624	0	10	0.88	6.63	-1.65*	-65.32	2.53	0.81	-1.71*	-67.84
\$2,625	10	#	2.68	1.61	0.31	12.98	2.37	2.93	0.56	23.45
\$2,626 or more	50	20	13.04	8.20	1.39	11.94	11.65	13.27	1.62*	13.91

See notes at end of table.

Table M-22. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in public, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	320	130	78.48	73.86	1.33	1.72	77.15	76.97	-0.18	-0.23
1,822–6,690	50	20	15.71	10.84	1.40	9.76	14.31	17.72	3.41	23.83
6,691–16,522	10	10	5.33	13.95	-2.48*	-31.73	7.80	4.89	-2.92*	-37.39
16,523 or more	#	†	0.43	†	0.12	40.27	0.31	0.37	0.06	19.98
Unknown	#	#	0.05	1.35	-0.37	-87.81	0.42	0.05	-0.37	-87.90
Age at base year										
15 to 18	40	20	8.17	9.22	-0.30	-3.56	8.47	8.24	-0.23	-2.75
19	50	10	12.72	3.96	2.52*	24.66	10.21	11.35	1.15	11.24
20 to 23	60	20	11.30	13.31	-0.58	-4.85	11.88	11.39	-0.49	-4.15
24 to 29	80	40	19.72	27.24	-2.16	-9.87	21.88	19.85	-2.03	-9.26
30+	160	70	48.08	46.27	0.52	1.09	47.56	49.17	1.61	3.38
High school graduation year										
Before 1998	200	90	57.43	63.15	-1.64	-2.78	59.07	58.40	-0.67	-1.13
1998–2002	100	40	23.85	20.62	0.93	4.05	22.92	23.92	1.00	4.36
2003–04	80	30	17.04	16.10	0.27	1.60	16.77	15.91	-0.86	-5.12
Did not complete high school	#	#	1.68	0.13	0.45	36.13	1.24	1.76	0.52	42.37
Dependency status at base year										
Dependent	100	40	23.28	16.61	1.91	8.96	21.37	21.33	-0.03	-0.16
Independent	280	120	76.72	83.39	-1.91	-2.43	78.63	78.67	0.03	0.04
Income level at base year										
Dependent										
Less than \$10,000	10	#	2.75	0.41	0.67	32.33	2.08	2.66	0.59	28.35
\$10,000–\$19,999	20	10	5.85	2.16	1.06	22.08	4.79	5.21	0.41	8.64
\$20,000–\$29,999	20	10	2.26	2.76	-0.14	-5.96	2.40	1.84	-0.56	-23.38
\$30,000–\$39,999	20	10	3.37	5.73	-0.68	-16.72	4.05	3.33	-0.71	-17.61
\$40,000–\$49,999	10	#	0.52	1.00	-0.14	-20.84	0.66	0.47	-0.19	-28.88
\$50,000–\$59,999	10	#	2.86	1.46	0.40	16.43	2.46	2.88	0.42	17.00
\$60,000–\$69,999	10	#	0.89	0.40	0.14	18.70	0.75	0.78	0.02	2.95
\$70,000–\$79,999	10	#	3.66	0.47	0.91	33.37	2.74	3.22	0.48	17.34
\$80,000–\$99,999	#	#	0.07	2.22	-0.62	-89.63	0.69	0.05	-0.63	-92.36
\$100,000 or more	10	†	1.04	†	0.30	40.27	0.74	0.89	0.15	20.09

See notes at end of table.

Table M-22. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in public, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	30	20	5.37	20.18	-4.25*	-44.21	9.62	5.37	-4.25*	-44.23
\$10,000–\$19,999	100	50	21.42	29.93	-2.44	-10.23	23.87	22.59	-1.28	-5.35
\$20,000–\$29,999	60	20	19.31	15.07	1.22	6.72	18.10	18.39	0.29	1.60
\$30,000–\$49,999	60	20	16.49	12.15	1.25	8.17	15.25	17.85	2.61	17.09
\$50,000 or more	30	20	14.13	6.05	2.32	19.64	11.81	14.48	2.67	22.61
Race/ethnicity										
White	290	110	69.07	59.17	2.84	4.29	66.22	68.97	2.75	4.15
Black or African American	30	20	8.26	9.66	-0.40	-4.64	8.67	7.34	-1.32	-15.27
Hispanic or Latino	30	20	16.39	13.86	0.73	4.64	15.66	16.70	1.03	6.59
Asian	10	#	1.68	7.15	-1.57*	-48.37	3.25	2.24	-1.01	-31.12
All other race/ethnicities including more than one race	20	20	4.60	10.16	-1.59	-25.72	6.20	4.75	-1.45	-23.31
Gender										
Male	140	70	39.80	45.09	-1.52	-3.67	41.32	42.30	0.98	2.37
Female	240	90	60.20	54.91	1.52	2.59	58.68	57.70	-0.98	-1.67
Marital status at base year										
Single, divorced, or widowed	230	90	57.85	55.34	0.72	1.26	57.13	57.07	-0.06	-0.11
Married	130	60	39.24	40.97	-0.50	-1.25	39.74	40.23	0.50	1.25
Separated	20	10	2.91	3.69	-0.23	-7.19	3.13	2.70	-0.43	-13.82
Citizen status at base year										
US citizen	370	150	93.26	91.90	0.39	0.42	92.87	93.02	0.15	0.16
Resident alien	20	10	6.42	8.10	-0.48	-6.97	6.90	6.26	-0.64	-9.32
Foreign or international student	#	†	0.32	†	0.09	40.27	0.22	0.72	0.50	221.47

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 panel weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-23. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in public, 2-year institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	180	30	2.50	3.28	-0.13	-4.90	2.63	2.55	-0.08	-2.98
Mideast DE-DC, MD, NJ, NY, PA	680	130	10.55	9.75	0.13	1.26	10.42	10.52	0.11	1.02
Great Lakes-IL, IN, MI, OH, WI	1,000	140	20.58	16.09	0.73*	3.70	19.85	20.18	0.33	1.66
Plains-IA, KS, MN, MO, NE, ND, SD	620	110	7.49	6.98	0.08	1.13	7.41	7.25	-0.16	-2.12
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	1,310	260	21.47	22.83	-0.22	-1.03	21.69	21.68	-0.01	-0.06
Southwest-AZ, NM, OK, TX	780	150	15.17	18.08	-0.48	-3.04	15.65	15.69	0.04	0.26
Rocky Mountains-CO, ID, MT, UT, WY	90	20	1.02	0.65	0.06	6.40	0.96	1.01	0.05	4.82
Far West-AK, CA, HI, NV, OR, WA	700	120	21.20	22.33	-0.18	-0.87	21.38	21.11	-0.27	-1.27
Other Jurisdictions-PR	#	#	0.02	0.01	#	5.54	0.02	0.02	#	-11.87
CPS record available at base year										
Yes	3,370	530	54.70	48.96	0.94*	1.75	53.76	53.47	-0.29	-0.54
No	2,000	410	45.30	51.04	-0.94*	-2.03	46.24	46.53	0.29	0.63
Applied for federal aid										
Yes	3,650	630	59.82	60.11	-0.05	-0.08	59.87	58.94	-0.92*	-1.54
No	1,720	320	40.18	39.89	0.05	0.12	40.13	41.06	0.92*	2.30
Pell Grant status										
Received	1,940	330	28.52	26.53	0.33	1.16	28.20	28.45	0.25	0.89
Did not receive	3,420	620	71.48	73.47	-0.33	-0.46	71.80	71.55	-0.25	-0.35
Total Pell Grant amount received										
\$0	3,420	620	71.48	73.47	-0.33	-0.46	71.80	71.55	-0.25	-0.35
Up to \$2,000	720	140	13.46	13.66	-0.03	-0.24	13.49	13.77	0.28	2.07
\$2,001-\$3,700	730	120	9.96	9.21	0.12	1.25	9.84	9.87	0.03	0.30
\$3,701 or more	490	70	5.11	3.66	0.24*	4.86	4.87	4.81	-0.06	-1.19
Stafford Loan status										
Received	940	160	10.94	9.53	0.23	2.16	10.71	10.68	-0.03	-0.31
Did not receive	4,420	780	89.06	90.47	-0.23	-0.26	89.29	89.32	0.03	0.04
Total Stafford Loan amount received										
\$0	4,420	780	89.06	90.47	-0.23	-0.26	89.29	89.32	0.03	0.04
Up to \$2,624	350	70	5.01	4.53	0.08	1.58	4.93	4.97	0.03	0.70
\$2,625	420	60	4.57	3.29	0.21	4.80	4.36	4.31	-0.05	-1.15
\$2,626 or more	180	40	1.36	1.70	-0.06	-3.90	1.42	1.40	-0.02	-1.22

See notes at end of table.

Table M-23. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in public, 2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	240	50	4.98	3.82	0.19	3.95	4.79	4.74	-0.05	-0.99
1,822–6,690	1,300	270	23.11	25.45	-0.38	-1.64	23.49	22.82	-0.67	-2.84
6,691–16,522	2,040	360	34.64	35.80	-0.19	-0.55	34.83	35.48	0.65	1.87
16,523 or more	1,760	260	37.00	34.13	0.47	1.28	36.53	36.69	0.17	0.46
Unknown	30	10	0.28	0.79	-0.08	-22.53	0.37	0.26	-0.10	-28.17
Age at base year										
15 to 18	2,050	260	36.34	26.30	1.64*	4.74	34.70	34.16	-0.54	-1.54
19	1,300	210	22.35	20.30	0.34	1.53	22.02	21.95	-0.07	-0.30
20 to 23	820	170	15.54	17.81	-0.37	-2.34	15.91	16.39	0.48	3.02
24 to 29	450	120	8.52	12.18	-0.60*	-6.58	9.12	9.37	0.26	2.82
30+	740	190	17.25	23.41	-1.01*	-5.52	18.26	18.12	-0.14	-0.75
High school graduation year										
Before 1998	1,030	270	23.00	32.26	-1.52*	-6.18	24.52	24.41	-0.11	-0.43
1998–2002	1,110	230	21.63	23.28	-0.27	-1.24	21.90	22.57	0.68*	3.08
2003–04	3,180	430	54.54	40.64	2.28*	4.36	52.27	52.09	-0.18	-0.35
Did not complete high school	40	20	0.83	3.82	-0.49*	-37.20	1.32	0.93	-0.39	-29.48
Dependency status at base year										
Dependent	3,700	550	65.37	53.80	1.89*	2.99	63.48	63.23	-0.25	-0.39
Independent	1,660	400	34.63	46.20	-1.89*	-5.19	36.52	36.77	0.25	0.68
Income level at base year										
Dependent										
Less than \$10,000	280	50	4.39	5.12	-0.12	-2.66	4.51	4.22	-0.29	-6.51
\$10,000–\$19,999	370	60	5.71	5.55	0.03	0.47	5.68	5.47	-0.22	-3.80
\$20,000–\$29,999	450	60	7.28	4.48	0.46*	6.72	6.82	7.04	0.22	3.21
\$30,000–\$39,999	450	60	7.84	5.60	0.37*	4.91	7.48	7.61	0.13	1.80
\$40,000–\$49,999	400	60	6.39	6.53	-0.02	-0.36	6.41	6.29	-0.12	-1.85
\$50,000–\$59,999	350	60	6.02	6.43	-0.07	-1.11	6.09	5.92	-0.17	-2.73
\$60,000–\$69,999	370	50	7.20	5.50	0.28	4.03	6.92	6.87	-0.05	-0.77
\$70,000–\$79,999	250	30	5.33	2.99	0.38*	7.72	4.94	5.04	0.10	1.99
\$80,000–\$99,999	350	40	6.23	3.72	0.41*	7.06	5.82	5.78	-0.04	-0.60
\$100,000 or more	460	70	8.99	7.87	0.18	2.07	8.81	8.99	0.18	2.08

See notes at end of table.

Table M-23. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in public, 2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	280	60	5.19	4.52	0.11	2.14	5.08	5.41	0.33	6.50
\$10,000–\$19,999	540	150	9.38	15.24	-0.96*	-9.28	10.34	10.33	#	-0.01
\$20,000–\$29,999	270	70	5.17	8.49	-0.54*	-9.50	5.72	5.52	-0.20	-3.45
\$30,000–\$49,999	310	70	7.42	8.55	-0.18	-2.43	7.60	7.71	0.11	1.41
\$50,000 or more	270	60	7.47	9.41	-0.32	-4.06	7.79	7.80	0.01	0.12
Race/ethnicity										
White	3,360	550	61.74	54.67	1.16*	1.91	60.58	61.06	0.47	0.78
Black or African American	840	150	13.95	15.21	-0.21	-1.45	14.16	13.85	-0.31	-2.17
Hispanic or Latino	680	160	14.93	19.57	-0.76*	-4.84	15.69	15.50	-0.19	-1.19
Asian	200	40	4.48	4.56	-0.01	-0.28	4.50	4.46	-0.04	-0.78
All other race/ethnicities including more than one race	280	50	4.89	5.99	-0.18	-3.53	5.07	5.13	0.06	1.15
Gender										
Male	2,250	480	42.44	49.94	-1.23*	-2.81	43.66	43.39	-0.28	-0.63
Female	3,110	470	57.56	50.06	1.23*	2.18	56.34	56.61	0.28	0.49
Marital status at base year										
Single, divorced, or widowed	4,590	770	83.12	79.03	0.67*	0.81	82.45	82.23	-0.22	-0.27
Married	690	160	15.67	19.08	-0.56	-3.44	16.23	16.34	0.11	0.70
Separated	80	20	1.21	1.89	-0.11	-8.46	1.32	1.43	0.11	8.25
Citizen status at base year										
US citizen	5,040	880	93.07	92.25	0.14	0.15	92.94	92.77	-0.17	-0.18
Resident alien	280	40	6.14	5.09	0.17	2.90	5.97	6.19	0.22	3.69
Foreign or international student	40	20	0.78	2.67	-0.31*	-28.22	1.09	1.04	-0.05	-4.57

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 panel weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-24. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in public, 4-year, non-doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	110	10	5.04	2.84	0.18	3.74	4.86	5.32	0.46	9.51
Mideast DE-DC, MD, NJ, NY, PA	360	30	22.07	26.71	-0.38	-1.71	22.45	21.75	-0.70	-3.11
Great Lakes-IL, IN, MI, OH, WI	200	20	14.24	19.26	-0.42	-2.84	14.66	14.01	-0.65	-4.44
Plains-IA, KS, MN, MO, NE, ND, SD	170	10	5.82	4.52	0.11	1.89	5.71	5.84	0.13	2.34
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	330	30	20.11	18.35	0.15	0.73	19.97	20.35	0.38	1.90
Southwest-AZ, NM, OK, TX	90	10	7.18	14.40	-0.60	-7.69	7.78	7.49	-0.29	-3.77
Rocky Mountains-CO, ID, MT, UT, WY	110	10	11.92	12.76	-0.07	-0.58	11.99	12.01	0.02	0.16
Far West-AK, CA, HI, NV, OR, WA	150	#	11.81	1.17	0.88*	8.07	10.93	11.58	0.65*	5.93
Other Jurisdictions-PR	50	†	1.81	†	0.15	9.03	1.66	1.66	#	0.04
CPS record available at base year										
Yes	1,190	80	73.55	63.42	0.84	1.15	72.71	73.07	0.36	0.49
No	370	50	26.45	36.58	-0.84	-3.07	27.29	26.93	-0.36	-1.32
Applied for federal aid										
Yes	1,250	90	77.30	75.93	0.11	0.15	77.19	76.81	-0.38	-0.49
No	320	30	22.70	24.07	-0.11	-0.50	22.81	23.19	0.38	1.64
Pell Grant status										
Received	530	50	33.03	39.06	-0.50	-1.49	33.53	33.67	0.14	0.42
Did not receive	1,040	70	66.97	60.94	0.50	0.75	66.47	66.33	-0.14	-0.21
Total Pell Grant amount received										
\$0	1,040	70	66.97	60.94	0.50	0.75	66.47	66.33	-0.14	-0.21
Up to \$2,000	160	20	10.45	10.80	-0.03	-0.28	10.48	11.14	0.66	6.35
\$2,001–\$3,700	150	20	9.96	18.59	-0.71	-6.69	10.68	10.06	-0.62	-5.83
\$3,701 or more	210	10	12.62	9.66	0.24	1.98	12.37	12.47	0.10	0.81
Stafford Loan status										
Received	700	50	41.79	37.89	0.32	0.78	41.46	41.35	-0.12	-0.29
Did not receive	870	80	58.21	62.11	-0.32	-0.55	58.54	58.65	0.12	0.20
Total Stafford Loan amount received										
\$0	870	80	58.21	62.11	-0.32	-0.55	58.54	58.65	0.12	0.20
Up to \$2,624	120	10	7.24	7.53	-0.02	-0.33	7.26	7.22	-0.04	-0.62
\$2,625	470	20	27.23	16.34	0.90*	3.43	26.33	26.44	0.11	0.41
\$2,626 or more	100	20	7.31	14.03	-0.56	-7.07	7.87	7.69	-0.18	-2.32

See notes at end of table.

Table M-24. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in public, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	90	#	5.43	1.36	0.34	6.62	5.10	5.63	0.53	10.48
1,822–6,690	650	60	30.77	39.38	-0.71	-2.27	31.48	30.90	-0.58	-1.85
6,691–16,522	600	40	46.26	41.42	0.40	0.88	45.86	45.81	-0.05	-0.11
16,523 or more	230	20	17.53	17.84	-0.03	-0.15	17.56	17.66	0.10	0.56
Unknown	†	†	†	†	†	†	†	†	†	†
Age at base year										
15 to 18	940	50	57.76	37.84	1.65*	2.94	56.11	56.97	0.86	1.54
19	430	30	27.78	22.08	0.47	1.73	27.30	27.66	0.35	1.29
20 to 23	90	20	7.05	17.35	-0.85*	-10.79	7.91	7.18	-0.72	-9.16
24 to 29	40	10	3.08	12.14	-0.75	-19.60	3.83	3.21	-0.62	-16.08
30+	60	10	4.33	10.59	-0.52	-10.69	4.85	4.98	0.13	2.60
High school graduation year										
Before 1998	90	20	7.07	17.66	-0.88*	-11.03	7.95	7.80	-0.15	-1.89
1998–2002	140	30	10.36	28.47	-1.50*	-12.66	11.86	10.60	-1.26	-10.59
2003–04	1,340	80	82.40	53.87	2.36*	2.95	80.03	81.37	1.34	1.67
Did not complete high school	#	†	0.17	†	0.01	9.03	0.16	0.23	0.07	43.78
Dependency status at base year										
Dependent	1,410	90	88.52	69.34	1.59*	1.83	86.94	87.71	0.77	0.89
Independent	150	30	11.48	30.66	-1.59*	-12.17	13.06	12.29	-0.77	-5.92
Income level at base year										
Dependent										
Less than \$10,000	60	#	3.75	2.02	0.14	3.99	3.61	4.22	0.61*	16.88
\$10,000–\$19,999	110	10	6.69	9.34	-0.22	-3.18	6.91	6.45	-0.46	-6.60
\$20,000–\$29,999	150	10	9.18	6.88	0.19	2.12	8.99	9.18	0.19	2.10
\$30,000–\$39,999	140	20	9.22	11.23	-0.17	-1.77	9.39	9.64	0.26	2.72
\$40,000–\$49,999	130	10	7.23	11.76	-0.37	-4.92	7.61	7.53	-0.08	-1.06
\$50,000–\$59,999	140	10	8.77	7.87	0.07	0.86	8.70	8.70	0.01	0.08
\$60,000–\$69,999	150	10	9.37	5.35	0.33	3.69	9.04	9.00	-0.04	-0.39
\$70,000–\$79,999	120	10	7.42	4.51	0.24	3.35	7.18	7.00	-0.19	-2.60
\$80,000–\$99,999	200	10	11.75	1.88	0.82*	7.48	10.93	11.43	0.50	4.54
\$100,000 or more	230	10	15.14	8.50	0.55	3.77	14.59	14.56	-0.03	-0.17

See notes at end of table.

Table M-24. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in public, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	40	10	2.53	8.77	-0.52	-16.95	3.05	2.65	-0.40	-13.19
\$10,000–\$19,999	50	10	3.47	7.56	-0.34	-8.89	3.81	3.74	-0.07	-1.77
\$20,000–\$29,999	30	10	1.64	8.12	-0.54	-24.66	2.18	1.65	-0.53*	-24.31
\$30,000–\$49,999	30	#	2.04	0.83	0.10	5.18	1.94	2.15	0.21	10.69
\$50,000 or more	20	10	1.79	5.39	-0.30	-14.24	2.09	2.11	0.02	0.89
Race/ethnicity										
White	1,120	70	73.52	58.39	1.25*	1.74	72.27	73.35	1.08	1.50
Black or African American	150	30	7.43	18.64	-0.93	-11.11	8.36	7.39	-0.96*	-11.51
Hispanic or Latino	160	10	9.53	11.20	-0.14	-1.43	9.67	9.62	-0.05	-0.47
Asian	60	10	5.20	5.61	-0.03	-0.65	5.23	5.09	-0.14	-2.70
All other race/ethnicities including more than one race	70	10	4.32	6.17	-0.15	-3.43	4.47	4.54	0.07	1.51
Gender										
Male	650	60	41.80	44.24	-0.20	-0.48	42.00	42.16	0.16	0.39
Female	920	70	58.20	55.76	0.20	0.35	58.00	57.84	-0.16	-0.28
Marital status at base year										
Single, divorced, or widowed	1,510	110	95.66	93.80	0.15	0.16	95.51	95.20	-0.31	-0.32
Married	50	10	3.77	6.20	-0.20	-5.06	3.97	4.23	0.26	6.59
Separated	10	†	0.57	†	0.05*	9.03	0.52	0.56	0.05	8.75
Citizen status at base year										
US citizen	1,510	110	95.60	84.29	0.94*	0.99	94.66	95.34	0.67	0.71
Resident alien	50	10	3.71	8.68	-0.41	-9.97	4.12	3.75	-0.37	-9.00
Foreign or international student	10	10	0.69	7.03	-0.53	-43.30	1.21	0.91	-0.30	-24.90

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 panel weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-25. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in public, 4-year, doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	170	10	5.54	5.91	-0.02	-0.34	5.55	5.60	0.04	0.78
Mideast DE-DC, MD, NJ, NY, PA	230	10	6.44	6.35	#	0.07	6.43	6.74	0.30	4.74
Great Lakes-IL, IN, MI, OH, WI	660	30	23.16	23.16	#	#	23.16	22.93	-0.23	-0.99
Plains-IA, KS, MN, MO, NE, ND, SD	310	10	6.83	7.62	-0.04	-0.58	6.87	6.72	-0.16	-2.29
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	790	20	28.57	13.74	0.75*	2.68	27.82	28.49	0.67*	2.42
Southwest-AZ, NM, OK, TX	290	20	11.38	21.08	-0.49*	-4.11	11.87	11.60	-0.27	-2.26
Rocky Mountains-CO, ID, MT, UT, WY	160	10	7.22	13.41	-0.31	-4.13	7.53	7.32	-0.22	-2.87
Far West-AK, CA, HI, NV, OR, WA	310	10	10.10	7.65	0.12	1.23	9.98	9.87	-0.11	-1.06
Other Jurisdictions-PR	30	#	0.76	1.07	-0.02	-1.95	0.78	0.74	-0.04	-5.75
CPS record available at base year										
Yes	2,160	70	73.12	54.74	0.92*	1.28	72.20	72.59	0.39	0.54
No	790	50	26.88	45.26	-0.92*	-3.32	27.80	27.41	-0.39	-1.41
Applied for federal aid										
Yes	2,250	80	75.65	58.29	0.87*	1.17	74.77	75.18	0.40	0.54
No	690	50	24.35	41.71	-0.87*	-3.46	25.23	24.82	-0.40	-1.60
Pell Grant status										
Received	700	40	23.35	26.62	-0.16	-0.70	23.51	23.52	#	0.01
Did not receive	2,250	90	76.65	73.38	0.16	0.21	76.49	76.48	#	#
Total Pell Grant amount received										
\$0	2,250	90	76.65	73.38	0.16	0.21	76.49	76.48	#	#
Up to \$2,000	220	10	7.36	10.03	-0.13	-1.79	7.49	7.43	-0.06	-0.81
\$2,001-\$3,700	220	10	7.42	8.79	-0.07	-0.92	7.49	7.46	-0.04	-0.48
\$3,701 or more	260	10	8.57	7.80	0.04	0.46	8.53	8.63	0.10	1.17
Stafford Loan status										
Received	1,220	40	41.29	34.63	0.33	0.82	40.95	41.10	0.15	0.37
Did not receive	1,720	80	58.71	65.37	-0.33	-0.57	59.05	58.90	-0.15	-0.26
Total Stafford Loan amount received										
\$0	1,720	80	58.71	65.37	-0.33	-0.57	59.05	58.90	-0.15	-0.26
Up to \$2,624	190	10	5.88	3.79	0.11	1.82	5.78	5.80	0.02	0.36
\$2,625	870	30	29.56	20.77	0.44	1.52	29.12	29.36	0.24	0.82
\$2,626 or more	160	10	5.85	10.07	-0.21	-3.51	6.06	5.95	-0.11	-1.80

See notes at end of table.

Table M-25. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in public, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	10	#	0.16	0.59	-0.02	-11.44	0.19	0.17	-0.01	-7.08
1,822–6,690	120	10	5.01	4.51	0.02	0.50	4.98	4.98	#	0.01
6,691–16,522	810	50	30.03	40.23	-0.51*	-1.68	30.54	30.58	0.04	0.13
16,523 or more	2,010	70	64.80	54.67	0.51*	0.79	64.29	64.27	-0.03	-0.04
Unknown	†	†	†	†	†	†	†	†	†	†
Age at base year										
15 to 18	1,920	70	64.71	49.73	0.75*	1.18	63.96	64.35	0.39	0.62
19	890	30	30.03	18.70	0.57*	1.93	29.46	29.78	0.31	1.06
20 to 23	90	20	3.26	17.49	-0.72*	-17.98	3.98	3.56	-0.42	-10.61
24 to 29	30	10	1.20	5.97	-0.24	-16.63	1.44	1.34	-0.10	-6.86
30+	30	10	0.79	8.10	-0.37*	-31.60	1.16	0.98	-0.19	-16.01
High school graduation year										
Before 1998	50	10	1.86	11.48	-0.48*	-20.65	2.34	2.14	-0.20	-8.74
1998–2002	110	30	5.00	25.91	-1.05*	-17.36	6.05	5.38	-0.67*	-11.12
2003–04	2,790	90	93.14	62.62	1.53*	1.67	91.61	92.48	0.88*	0.96
Did not complete high school	†	†	†	†	†	†	†	†	†	†
Dependency status at base year										
Dependent	2,840	100	95.81	78.51	0.87*	0.92	94.94	95.31	0.36	0.38
Independent	110	20	4.19	21.49	-0.87*	-17.21	5.06	4.69	-0.36	-7.14
Income level at base year										
Dependent										
Less than \$10,000	80	10	3.25	2.73	0.03	0.81	3.23	3.46	0.23	7.16
\$10,000–\$19,999	140	10	4.77	6.94	-0.11	-2.23	4.88	5.01	0.13	2.70
\$20,000–\$29,999	210	10	6.65	3.45	0.16	2.48	6.49	6.60	0.11	1.74
\$30,000–\$39,999	240	10	8.04	8.49	-0.02	-0.28	8.06	8.10	0.04	0.48
\$40,000–\$49,999	230	10	7.67	4.96	0.14	1.81	7.54	7.69	0.15	2.02
\$50,000–\$59,999	210	10	6.83	8.57	-0.09	-1.26	6.92	7.05	0.13	1.89
\$60,000–\$69,999	300	10	10.46	3.18	0.37*	3.63	10.10	10.22	0.12	1.18
\$70,000–\$79,999	220	10	7.85	5.87	0.10	1.28	7.75	7.77	0.03	0.34
\$80,000–\$99,999	420	10	13.50	9.55	0.20	1.49	13.30	13.10	-0.20	-1.49
\$100,000 or more	790	30	26.79	24.75	0.10	0.38	26.69	26.30	-0.38	-1.44

See notes at end of table.

Table M-25. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in public, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	30	#	1.22	4.77	-0.18	-12.74	1.40	1.21	-0.20	-13.95
\$10,000–\$19,999	30	10	1.01	5.94	-0.25*	-19.75	1.25	1.20	-0.05	-4.35
\$20,000–\$29,999	20	10	0.66	4.38	-0.19	-21.91	0.85	0.73	-0.12	-14.49
\$30,000–\$49,999	20	#	0.89	2.68	-0.09	-9.22	0.98	1.10	0.13	12.81
\$50,000 or more	10	#	0.40	3.72	-0.17	-29.33	0.57	0.46	-0.11	-19.80
Race/ethnicity										
White	2,070	80	68.57	58.23	0.52*	0.76	68.05	68.20	0.14	0.21
Black or African American	270	20	9.69	11.24	-0.08	-0.79	9.77	9.75	-0.02	-0.19
Hispanic or Latino	260	20	9.33	14.27	-0.25	-2.59	9.58	9.61	0.02	0.25
Asian	190	10	6.84	12.42	-0.28*	-3.94	7.12	6.80	-0.32	-4.47
All other race/ethnicities including more than one race	150	10	5.57	3.85	0.09	1.57	5.48	5.65	0.17	3.10
Gender										
Male	1,350	70	45.38	53.23	-0.39	-0.86	45.77	46.37	0.59	1.30
Female	1,600	60	54.62	46.77	0.39	0.73	54.23	53.63	-0.59	-1.09
Marital status at base year										
Single, divorced, or widowed	2,910	120	98.45	92.39	0.30*	0.31	98.15	98.12	-0.02	-0.02
Married	40	10	1.55	6.48	-0.25*	-13.77	1.80	1.88	0.08	4.39
Separated	†	#	†	1.13	-0.06	-100.00	0.06	†	-0.06	-100.00
Citizen status at base year										
US citizen	2,840	120	96.17	92.43	0.19	0.20	95.98	96.08	0.10	0.11
Resident alien	90	#	3.11	1.05	0.10	3.44	3.01	3.16	0.15	5.04
Foreign or international student	20	10	0.72	6.52	-0.29*	-28.86	1.01	0.76	-0.25*	-25.13

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 panel weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-26. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, nonprofit, less-than-4-year institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	10	#	1.85	1.63	0.04	2.34	1.80	1.85	0.04	2.45
Mideast DE-DC, MD, NJ, NY, PA	60	20	18.35	15.05	0.65	3.68	17.70	18.27	0.57	3.24
Great Lakes-IL, IN, MI, OH, WI	50	10	13.19	8.00	1.03	8.43	12.16	13.86	1.69	13.92
Plains-IA, KS, MN, MO, NE, ND, SD	30	10	4.21	6.67	-0.49	-10.34	4.69	4.27	-0.43	-9.10
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	70	20	20.12	26.52	-1.27	-5.92	21.38	18.44	-2.94	-13.74
Southwest-AZ, NM, OK, TX	10	#	2.39	1.49	0.18	8.07	2.22	2.28	0.06	2.88
Rocky Mountains-CO, ID, MT, UT, WY	10	#	2.31	0.50	0.36	18.29	1.95	1.97	0.02	1.18
Far West-AK, CA, HI, NV, OR, WA	140	40	20.96	30.61	-1.90	-8.33	22.86	21.97	-0.90	-3.92
Other Jurisdictions-PR	30	10	16.63	9.53	1.40	9.21	15.23	17.10	1.87	12.25
CPS record available at base year										
Yes	370	90	90.08	84.96	1.01	1.13	89.07	89.50	0.43	0.48
No	50	20	9.92	15.04	-1.01	-9.25	10.93	10.50	-0.43	-3.90
Applied for federal aid										
Yes	380	100	91.47	89.79	0.33	0.37	91.14	91.16	0.02	0.02
No	40	10	8.53	10.21	-0.33	-3.76	8.86	8.84	-0.02	-0.20
Pell Grant status										
Received	260	70	66.49	72.09	-1.11	-1.64	67.59	67.13	-0.46	-0.68
Did not receive	160	40	33.51	27.91	1.11	3.41	32.41	32.87	0.46	1.41
Total Pell Grant amount received										
\$0	160	40	33.51	27.91	1.11	3.41	32.41	32.87	0.46	1.41
Up to \$2,000	60	20	14.83	17.26	-0.48	-3.13	15.31	14.44	-0.87	-5.70
\$2,001-\$3,700	90	20	26.11	23.39	0.54	2.10	25.57	25.62	0.04	0.17
\$3,701 or more	110	30	25.54	31.44	-1.16	-4.36	26.71	27.08	0.37	1.39
Stafford Loan status										
Received	220	60	41.70	44.59	-0.57	-1.35	42.27	42.16	-0.12	-0.28
Did not receive	200	60	58.30	55.41	0.57	0.99	57.73	57.84	0.12	0.20
Total Stafford Loan amount received										
\$0	200	60	58.30	55.41	0.57	0.99	57.73	57.84	0.12	0.20
Up to \$2,624	30	10	6.78	13.93	-1.41	-17.23	8.19	6.74	-1.45	-17.72
\$2,625	60	10	12.53	8.33	0.83	7.09	11.70	12.06	0.36	3.07
\$2,626 or more	130	40	22.39	22.33	0.01	0.06	22.38	23.36	0.98	4.36

See notes at end of table.

Table M-26. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, nonprofit, less-than-4-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	330	90	72.68	80.19	-1.48	-2.00	74.17	71.48	-2.69	-3.62
1,822–6,690	80	20	23.32	19.65	0.72	3.21	22.60	24.75	2.15	9.53
6,691–16,522	#	†	1.58	†	0.31	24.60	1.27	1.81	0.54	42.67
16,523 or more	#	†	1.93	†	0.38	24.60	1.55	1.49	-0.05	-3.36
Unknown	10	#	0.49	0.16	0.07	15.54	0.42	0.47	0.05	10.73
Age at base year										
15 to 18	160	40	35.49	30.11	1.06	3.08	34.42	35.17	0.74	2.16
19	100	20	18.13	14.88	0.64	3.67	17.49	17.53	0.04	0.24
20 to 23	60	20	18.71	23.71	-0.99	-5.01	19.69	18.12	-1.57	-7.98
24 to 29	30	10	8.73	10.92	-0.43	-4.71	9.17	9.19	0.03	0.28
30+	70	30	18.94	20.38	-0.28	-1.48	19.22	19.98	0.76	3.95
High school graduation year										
Before 1998	90	30	26.36	25.75	0.12	0.46	26.24	27.81	1.57	5.98
1998–2002	90	30	26.31	31.26	-0.98	-3.58	27.29	27.80	0.51	1.88
2003–04	230	50	46.56	38.51	1.59	3.53	44.98	43.64	-1.33	-2.97
Did not complete high school	#	10	0.77	4.48	-0.73	-48.88	1.50	0.75	-0.75	-49.95
Dependency status at base year										
Dependent	270	60	59.12	50.70	1.66	2.89	57.46	58.37	0.92	1.59
Independent	150	60	40.88	49.30	-1.66	-3.91	42.54	41.63	-0.92	-2.15
Income level at base year										
Dependent										
Less than \$10,000	40	10	11.07	15.89	-0.95	-7.91	12.02	13.17	1.14	9.50
\$10,000–\$19,999	40	10	7.15	5.47	0.33	4.87	6.82	7.51	0.69	10.13
\$20,000–\$29,999	40	10	11.49	10.75	0.15	1.29	11.34	10.67	-0.68	-5.96
\$30,000–\$39,999	40	10	6.53	2.88	0.72	12.42	5.81	5.90	0.10	1.69
\$40,000–\$49,999	20	#	2.80	3.85	-0.21	-6.88	3.01	2.71	-0.30	-10.01
\$50,000–\$59,999	10	10	2.57	5.83	-0.64	-20.02	3.21	2.60	-0.61	-18.98
\$60,000–\$69,999	30	#	4.06	1.05	0.59	17.11	3.46	3.84	0.38	10.99
\$70,000–\$79,999	10	10	2.51	3.63	-0.22	-8.11	2.73	2.33	-0.40	-14.78
\$80,000–\$99,999	20	#	2.69	0.52	0.43	18.95	2.26	2.36	0.10	4.27
\$100,000 or more	20	#	8.25	0.83	1.47	21.61	6.78	7.28	0.50	7.33

See notes at end of table.

Table M-26. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, nonprofit, less-than-4-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	40	20	10.82	19.14	-1.64	-13.18	12.46	11.22	-1.24	-9.95
\$10,000–\$19,999	70	20	18.12	16.34	0.35	1.98	17.77	18.35	0.59	3.30
\$20,000–\$29,999	20	10	5.80	6.45	-0.13	-2.17	5.93	5.76	-0.17	-2.80
\$30,000–\$49,999	10	10	3.90	4.42	-0.10	-2.57	4.00	4.05	0.04	1.06
\$50,000 or more	10	#	2.25	2.96	-0.14	-5.88	2.39	2.25	-0.14	-5.90
Race/ethnicity										
White	180	40	40.15	32.03	1.60	4.16	38.55	38.60	0.05	0.12
Black or African American	50	20	13.18	26.13	-2.56	-16.24	15.74	12.69	-3.05	-19.39
Hispanic or Latino	110	40	34.97	32.85	0.42	1.21	34.55	36.67	2.12	6.13
Asian	30	#	4.41	2.19	0.44	11.03	3.97	4.72	0.75	18.87
All other race/ethnicities including more than one race	50	10	7.28	6.79	0.10	1.35	7.19	7.32	0.14	1.89
Gender										
Male	140	30	38.06	28.89	1.81	4.99	36.25	39.88	3.64	10.04
Female	270	80	61.94	71.11	-1.81	-2.84	63.75	60.12	-3.64	-5.71
Marital status at base year										
Single, divorced, or widowed	360	90	80.45	76.00	0.88	1.10	79.57	80.65	1.08	1.36
Married	50	20	16.75	16.78	-0.01	-0.04	16.76	16.49	-0.27	-1.60
Separated	10	10	2.80	7.22	-0.87	-23.74	3.67	2.86	-0.81	-22.12
Citizen status at base year										
US citizen	380	90	90.93	83.34	1.50	1.68	89.43	90.28	0.84	0.94
Resident alien	40	20	8.52	15.79	-1.44	-14.42	9.95	8.95	-1.00	-10.08
Foreign or international student	10	#	0.55	0.87	-0.06	-10.33	0.61	0.77	0.16	26.29

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 panel weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-27. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, nonprofit, 4-year, non-doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	210	10	8.20	12.65	-0.35	-4.11	8.55	7.99	-0.56	-6.58
Mideast DE-DC, MD, NJ, NY, PA	340	20	16.38	7.83	0.68	4.30	15.71	16.52	0.81	5.16
Great Lakes-IL, IN, MI, OH, WI	410	30	19.90	22.30	-0.19	-0.94	20.09	19.94	-0.15	-0.77
Plains-IA, KS, MN, MO, NE, ND, SD	470	20	18.52	11.40	0.56	3.13	17.95	18.65	0.70	3.90
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	440	30	21.00	35.81	-1.17	-5.27	22.17	21.40	-0.77	-3.46
Southwest-AZ, NM, OK, TX	60	#	2.36	0.27	0.17*	7.53	2.19	2.38	0.19	8.54
Rocky Mountains-CO, ID, MT, UT, WY	40	†	2.23	†	0.18*	8.57	2.06	2.12	0.07	3.25
Far West-AK, CA, HI, NV, OR, WA	180	10	7.53	4.77	0.22	2.98	7.31	7.23	-0.08	-1.10
Other Jurisdictions-PR	30	#	3.88	5.00	-0.09	-2.21	3.97	3.77	-0.20	-5.09
CPS record available at base year										
Yes	1,820	80	82.92	67.23	1.24*	1.52	81.68	81.35	-0.33	-0.41
No	350	30	17.08	32.77	-1.24*	-6.76	18.32	18.65	0.33	1.82
Applied for federal aid										
Yes	1,870	90	85.26	70.12	1.20*	1.42	84.06	83.86	-0.21	-0.24
No	300	30	14.74	29.88	-1.20*	-7.50	15.94	16.14	0.21	1.29
Pell Grant status										
Received	620	50	31.79	40.64	-0.70	-2.15	32.49	32.56	0.07	0.21
Did not receive	1,540	70	68.21	59.36	0.70	1.04	67.51	67.44	-0.07	-0.10
Total Pell Grant amount received										
\$0	1,540	70	68.21	59.36	0.70	1.04	67.51	67.44	-0.07	-0.10
Up to \$2,000	210	20	11.75	18.95	-0.57	-4.61	12.32	12.01	-0.31	-2.51
\$2,001-\$3,700	200	20	10.36	12.60	-0.18	-1.68	10.54	10.82	0.28	2.69
\$3,701 or more	210	10	9.68	9.09	0.05	0.48	9.63	9.73	0.09	0.98
Stafford Loan status										
Received	1,330	60	58.59	41.86	1.32*	2.31	57.27	57.91	0.64	1.11
Did not receive	840	60	41.41	58.14	-1.32*	-3.09	42.73	42.09	-0.64	-1.49
Total Stafford Loan amount received										
\$0	840	60	41.41	58.14	-1.32*	-3.09	42.73	42.09	-0.64	-1.49
Up to \$2,624	140	10	5.63	5.32	0.02	0.43	5.60	5.53	-0.08	-1.36
\$2,625	980	20	40.49	10.55	2.36*	6.20	38.13	39.46	1.33*	3.48
\$2,626 or more	210	30	12.47	25.99	-1.07*	-7.88	13.54	12.92	-0.62*	-4.55

See notes at end of table.

Table M-27. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, nonprofit, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	1,020	40	41.70	26.50	1.20	2.96	40.50	41.11	0.61	1.50
1,822–6,690	1,050	50	50.54	39.43	0.88	1.77	49.67	50.34	0.67	1.35
6,691–16,522	80	10	5.54	9.94	-0.35	-5.89	5.89	5.79	-0.10	-1.65
16,523 or more	20	10	1.52	18.92	-1.37	-47.45	2.89	1.78	-1.12	-38.54
Unknown	10	#	0.69	5.21	-0.36	-34.11	1.05	0.98	-0.07	-6.47
Age at base year										
15 to 18	1,230	30	55.28	23.64	2.50*	4.73	52.78	53.78	1.00	1.89
19	720	30	30.50	19.47	0.87*	2.94	29.63	29.87	0.24	0.80
20 to 23	100	20	5.38	22.12	-1.32*	-19.70	6.71	5.72	-0.99	-14.70
24 to 29	40	10	3.30	13.88	-0.84*	-20.20	4.14	3.96	-0.18	-4.35
30+	70	20	5.53	20.89	-1.21*	-17.98	6.74	6.67	-0.07	-1.03
High school graduation year										
Before 1998	100	30	8.22	30.55	-1.76*	-17.65	9.98	9.81	-0.17	-1.73
1998–2002	130	30	7.74	30.46	-1.79*	-18.81	9.54	8.27	-1.26*	-13.26
2003–04	1,930	60	84.00	38.99	3.55*	4.42	80.45	81.88	1.43*	1.77
Did not complete high school	#	†	0.03	†	#	8.57	0.03	0.04	0.01	31.36
Dependency status at base year										
Dependent	2,010	70	88.47	54.12	2.71*	3.16	85.76	86.47	0.71	0.83
Independent	160	50	11.53	45.88	-2.71*	-19.03	14.24	13.53	-0.71	-5.00
Income level at base year										
Dependent										
Less than \$10,000	70	10	3.49	6.61	-0.25	-6.59	3.73	3.84	0.10	2.76
\$10,000–\$19,999	100	#	5.12	3.96	0.09	1.82	5.03	5.28	0.25	5.04
\$20,000–\$29,999	170	10	6.87	4.67	0.17	2.59	6.70	6.87	0.17	2.50
\$30,000–\$39,999	180	10	9.10	4.25	0.38*	4.39	8.71	8.98	0.27	3.12
\$40,000–\$49,999	170	10	8.40	9.12	-0.06	-0.67	8.46	8.52	0.07	0.78
\$50,000–\$59,999	160	10	6.41	5.21	0.09	1.50	6.32	6.39	0.07	1.15
\$60,000–\$69,999	180	#	7.78	1.41	0.50*	6.91	7.27	7.36	0.09	1.20
\$70,000–\$79,999	170	10	6.47	3.60	0.23	3.63	6.24	6.10	-0.15	-2.39
\$80,000–\$99,999	310	#	13.50	1.99	0.91*	7.21	12.59	12.80	0.21	1.66
\$100,000 or more	500	10	21.33	13.30	0.63	3.06	20.70	20.33	-0.37	-1.78

See notes at end of table.

Table M-27. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, nonprofit, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	20	10	0.95	5.57	-0.36	-27.70	1.32	0.99	-0.33	-25.12
\$10,000–\$19,999	50	10	3.74	15.97	-0.97*	-20.54	4.70	4.36	-0.34	-7.22
\$20,000–\$29,999	30	#	2.17	0.89	0.10	4.87	2.07	2.38	0.32	15.29
\$30,000–\$49,999	30	10	2.30	10.22	-0.63*	-21.40	2.92	2.73	-0.19	-6.49
\$50,000 or more	30	10	2.38	13.22	-0.86*	-26.44	3.24	3.07	-0.17	-5.18
Race/ethnicity										
White	1,670	60	71.96	54.27	1.40*	1.98	70.56	70.34	-0.22	-0.31
Black or African American	210	30	12.45	27.82	-1.21*	-8.88	13.67	13.29	-0.37	-2.74
Hispanic or Latino	140	10	9.52	12.21	-0.21	-2.18	9.74	9.83	0.09	0.92
Asian	60	#	2.55	3.70	-0.09	-3.42	2.64	2.99	0.34	12.97
All other race/ethnicities including more than one race	90	10	3.51	2.00	0.12	3.53	3.39	3.55	0.16	4.72
Gender										
Male	910	60	43.23	48.86	-0.44	-1.02	43.68	44.55	0.87	1.99
Female	1,260	60	56.77	51.14	0.44	0.79	56.32	55.45	-0.87	-1.54
Marital status at base year										
Single, divorced, or widowed	2,100	100	95.19	82.25	1.02*	1.08	94.17	94.37	0.20	0.21
Married	50	20	3.55	17.75	-1.12*	-24.01	4.67	4.25	-0.42	-8.90
Separated	10	†	1.26	†	0.10*	8.57	1.16	1.38	0.22	18.50
Citizen status at base year										
US citizen	2,100	110	95.81	92.95	0.23	0.24	95.58	94.97	-0.62	-0.64
Resident alien	40	10	2.41	2.43	#	-0.08	2.41	2.50	0.09	3.83
Foreign or international student	30	10	1.78	4.62	-0.22	-11.17	2.01	2.53	0.52	26.05

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 panel weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-28. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, nonprofit, 4-year, doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	310	20	26.59	49.65	-0.81	-2.94	27.40	26.73	-0.67	-2.46
Mideast DE-DC, MD, NJ, NY, PA	440	10	28.24	26.32	0.07	0.24	28.18	28.77	0.60	2.12
Great Lakes-IL, IN, MI, OH, WI	170	#	10.79	5.27	0.19	1.82	10.60	10.68	0.08	0.76
Plains-IA, KS, MN, MO, NE, ND, SD	50	†	2.35	†	0.08*	3.63	2.27	2.26	-0.01	-0.57
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	160	#	10.87	4.72	0.22	2.02	10.66	10.74	0.08	0.76
Southwest-AZ, NM, OK, TX	100	#	4.46	3.83	0.02	0.50	4.43	4.46	0.02	0.56
Rocky Mountains-CO, ID, MT, UT, WY	60	#	4.16	3.56	0.02	0.50	4.14	4.08	-0.06	-1.50
Far West-AK, CA, HI, NV, OR, WA	160	#	11.57	2.92	0.30	2.69	11.27	11.33	0.06	0.49
Other Jurisdictions-PR	30	#	0.95	3.73	-0.10	-9.24	1.05	0.96	-0.09	-8.60
CPS record available at base year										
Yes	1,080	20	72.46	44.45	0.98*	1.37	71.48	71.18	-0.30	-0.43
No	390	20	27.54	55.55	-0.98*	-3.44	28.52	28.82	0.30	1.07
Applied for federal aid										
Yes	1,130	30	76.10	64.72	0.40	0.53	75.70	75.26	-0.44	-0.57
No	340	20	23.90	35.28	-0.40	-1.64	24.30	24.74	0.44	1.79
Pell Grant status										
Received	330	10	21.26	21.34	#	-0.01	21.26	21.17	-0.09	-0.41
Did not receive	1,140	40	78.74	78.66	#	#	78.74	78.83	0.09	0.11
Total Pell Grant amount received										
\$0	1,140	40	78.74	78.66	#	#	78.74	78.83	0.09	0.11
Up to \$2,000	120	#	7.47	6.69	0.03	0.36	7.44	7.40	-0.04	-0.57
\$2,001–\$3,700	90	#	5.78	7.85	-0.07	-1.24	5.86	5.83	-0.03	-0.53
\$3,701 or more	130	0	8.00	6.80	0.04	0.53	7.96	7.95	-0.01	-0.17
Stafford Loan status										
Received	720	20	48.94	36.69	0.43	0.88	48.52	48.44	-0.08	-0.16
Did not receive	760	30	51.06	63.31	-0.43	-0.83	51.48	51.56	0.08	0.15
Total Stafford Loan amount received										
\$0	760	30	51.06	63.31	-0.43	-0.83	51.48	51.56	0.08	0.15
Up to \$2,624	60	0	3.35	3.00	0.01	0.36	3.34	3.27	-0.07	-2.04
\$2,625	560	10	37.33	24.05	0.46	1.26	36.86	36.67	-0.19	-0.52
\$2,626 or more	100	#	8.27	9.64	-0.05	-0.58	8.32	8.50	0.19	2.24

See notes at end of table.

Table M-28. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, nonprofit, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	100	10	6.29	14.55	-0.29	-4.39	6.58	6.23	-0.36	-5.41
1,822–6,690	610	20	40.33	20.52	0.69	1.75	39.64	40.27	0.63	1.60
6,691–16,522	530	20	37.06	59.59	-0.79	-2.08	37.85	37.43	-0.42	-1.11
16,523 or more	240	#	16.23	5.34	0.38*	2.40	15.84	15.99	0.15	0.94
Unknown	#	†	0.08	†	#	3.63	0.08	0.07	-0.01	-8.53
Age at base year										
15 to 18	1,010	30	68.34	54.67	0.48	0.71	67.86	67.48	-0.39	-0.57
19	400	10	27.64	25.73	0.07	0.24	27.58	27.44	-0.14	-0.50
20 to 23	40	#	2.98	18.97	-0.56	-15.83	3.54	3.58	0.04	1.15
24 to 29	10	#	0.30	0.40	#	-1.12	0.31	0.42	0.11	35.90
30+	10	#	0.73	0.22	0.02	2.51	0.72	1.09	0.37	51.96
High school graduation year										
Before 1998	20	#	1.14	0.40	0.03	2.32	1.11	1.59	0.48	43.01
1998–2002	50	10	3.92	25.89	-0.77	-16.42	4.68	4.36	-0.33	-6.95
2003–04	1,400	40	94.23	73.48	0.73	0.78	93.50	93.13	-0.38	-0.40
Did not complete high school	#	#	0.72	0.22	0.02	2.48	0.70	0.92	0.22	31.81
Dependency status at base year										
Dependent	1,440	40	98.13	99.38	-0.04	-0.04	98.17	97.54	-0.63	-0.64
Independent	40	#	1.87	0.62	0.04	2.39	1.83	2.46	0.63	34.35
Income level at base year										
Dependent										
Less than \$10,000	50	#	2.89	0.86	0.07	2.52	2.82	2.91	0.09	3.26
\$10,000–\$19,999	80	10	5.25	8.66	-0.12	-2.22	5.37	5.51	0.13	2.49
\$20,000–\$29,999	100	10	6.29	25.72	-0.68	-9.76	6.97	6.26	-0.71	-10.23
\$30,000–\$39,999	120	#	8.41	8.56	-0.01	-0.06	8.42	8.22	-0.20	-2.33
\$40,000–\$49,999	110	10	8.16	8.22	#	-0.03	8.16	8.60	0.44	5.38
\$50,000–\$59,999	90	#	5.98	5.41	0.02	0.34	5.96	5.88	-0.08	-1.41
\$60,000–\$69,999	110	10	8.57	12.81	-0.15	-1.71	8.71	8.84	0.12	1.42
\$70,000–\$79,999	80	#	5.06	3.28	0.06	1.25	5.00	5.27	0.27	5.40
\$80,000–\$99,999	190	10	12.29	9.42	0.10	0.83	12.19	12.01	-0.18	-1.50
\$100,000 or more	510	10	35.22	16.44	0.66	1.90	34.56	34.05	-0.51	-1.48

See notes at end of table.

Table M-28. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, nonprofit, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	10	†	0.61	†	0.02	3.63	0.59	0.60	0.01	0.89
\$10,000–\$19,999	10	#	0.34	0.40	#	-0.66	0.34	0.63	0.29	83.62
\$20,000–\$29,999	10	#	0.16	0.22	#	-1.45	0.16	0.20	0.04	26.88
\$30,000–\$49,999	10	†	0.41	†	0.01	3.63	0.40	0.60	0.20	50.86
\$50,000 or more	10	†	0.35	†	0.01	3.63	0.34	0.43	0.09	27.26
Race/ethnicity										
White	1,010	30	68.44	53.91	0.51	0.75	67.93	67.15	-0.78	-1.15
Black or African American	120	10	8.56	11.97	-0.12	-1.37	8.68	8.41	-0.26	-3.02
Hispanic or Latino	140	10	9.91	13.72	-0.13	-1.33	10.04	10.61	0.57	5.64
Asian	130	#	8.80	20.00	-0.39	-4.26	9.20	9.55	0.36	3.87
All other race/ethnicities including more than one race	70	#	4.29	0.40	0.14*	3.27	4.15	4.27	0.12	2.99
Gender										
Male	600	30	42.22	58.20	-0.56	-1.31	42.78	43.42	0.65	1.51
Female	870	20	57.78	41.80	0.56	0.98	57.22	56.58	-0.65	-1.13
Marital status at base year										
Single, divorced, or widowed	1,460	50	99.50	100.00	-0.02*	-0.02	99.52	99.27	-0.25	-0.25
Married	10	†	0.37	†	0.01	3.63	0.36	0.55	0.19	53.87
Separated	#	†	0.13	†	#	3.63	0.12	0.18	0.05	42.14
Citizen status at base year										
US citizen	1,410	40	94.59	67.19	0.96	1.02	93.63	92.65	-0.98	-1.05
Resident alien	30	†	2.92	†	0.10*	3.63	2.81	3.27	0.46	16.35
Foreign or international student	30	10	2.49	32.81	-1.06	-29.87	3.55	4.07	0.52	14.67

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 panel weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-29. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, for-profit, less-than-2-year institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	70	40	4.09	7.23	-1.11	-21.36	5.20	4.23	-0.97	-18.64
Mideast DE-DC, MD, NJ, NY, PA	160	100	14.91	18.05	-1.11	-6.93	16.02	14.42	-1.60	-9.96
Great Lakes-IL, IN, MI, OH, WI	120	60	16.35	15.82	0.19	1.16	16.17	15.58	-0.58	-3.59
Plains-IA, KS, MN, MO, NE, ND, SD	40	20	3.26	3.47	-0.07	-2.19	3.33	3.66	0.33	9.87
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	150	70	14.82	10.21	1.63*	12.36	13.19	14.55	1.36	10.30
Southwest-AZ, NM, OK, TX	200	110	28.31	30.74	-0.86	-2.95	29.17	30.26	1.09	3.72
Rocky Mountains-CO, ID, MT, UT, WY	20	10	0.74	0.73	#	0.08	0.74	0.78	0.04	6.00
Far West-AK, CA, HI, NV, OR, WA	150	70	12.93	10.59	0.83	6.84	12.10	12.35	0.25	2.04
Other Jurisdictions-PR	50	20	4.59	3.16	0.51	12.37	4.08	4.17	0.08	1.98
CPS record available at base year										
Yes	880	450	95.39	95.35	0.02	0.02	95.38	95.18	-0.20	-0.21
No	70	40	4.61	4.65	-0.02	-0.34	4.62	4.82	0.20	4.39
Applied for federal aid										
Yes	900	460	96.67	97.92	-0.44	-0.45	97.12	96.59	-0.52	-0.54
No	50	30	3.33	2.08	0.44	15.31	2.88	3.41	0.52	18.16
Pell Grant status										
Received	720	370	90.61	93.48	-1.02	-1.11	91.62	90.83	-0.80	-0.87
Did not receive	240	120	9.39	6.52	1.02	12.13	8.38	9.17	0.80	9.51
Total Pell Grant amount received										
\$0	240	120	9.39	6.52	1.02	12.13	8.38	9.17	0.80	9.51
Up to \$2,000	160	80	18.68	21.84	-1.12	-5.65	19.79	19.33	-0.46	-2.35
\$2,001-\$3,700	270	130	35.85	35.75	0.03	0.10	35.82	36.74	0.92	2.56
\$3,701 or more	290	160	36.08	35.89	0.07	0.19	36.01	34.76	-1.25*	-3.47
Stafford Loan status										
Received	680	340	74.46	72.99	0.52	0.70	73.94	74.33	0.39	0.53
Did not receive	280	160	25.54	27.01	-0.52	-1.99	26.06	25.67	-0.39	-1.51
Total Stafford Loan amount received										
\$0	280	160	25.54	27.01	-0.52	-1.99	26.06	25.67	-0.39	-1.51
Up to \$2,624	110	50	18.18	14.25	1.39	8.27	16.79	18.44	1.65	9.85
\$2,625	110	40	14.22	5.74	3.00*	26.71	11.22	13.03	1.81*	16.10
\$2,626 or more	460	250	42.06	52.99	-3.87*	-8.42	45.93	42.86	-3.07*	-6.67

See notes at end of table.

Table M-29. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, for-profit, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	900	470	96.58	96.59	-0.01	-0.01	96.58	96.87	0.29	0.30
1,822–6,690	20	20	1.53	2.74	-0.42	-21.68	1.96	1.49	-0.47	-24.11
6,691–16,522	10	†	0.56	†	0.20*	54.71	0.36	0.39	0.03	8.18
16,523 or more	10	#	0.76	0.13	0.22	41.06	0.54	0.79	0.25	46.58
Unknown	20	10	0.57	0.54	0.01	2.05	0.56	0.46	-0.09	-16.88
Age at base year										
15 to 18	190	100	20.93	20.81	0.04	0.19	20.89	18.78	-2.10	-10.08
19	160	70	15.90	13.67	0.79	5.22	15.11	13.73	-1.38	-9.12
20 to 23	220	110	25.43	23.90	0.54	2.18	24.89	27.88	2.99*	12.02
24 to 29	180	100	17.84	21.07	-1.14	-6.02	18.98	18.87	-0.11	-0.59
30+	220	120	19.90	20.55	-0.23	-1.14	20.13	20.73	0.60	3.00
High school graduation year										
Before 1998	310	170	27.95	31.38	-1.22	-4.17	29.16	29.51	0.35	1.19
1998–2002	290	150	31.63	31.18	0.16	0.51	31.47	32.62	1.15	3.65
2003–04	310	140	34.98	33.20	0.63	1.84	34.35	32.52	-1.84	-5.35
Did not complete high school	50	30	5.44	4.24	0.43	8.48	5.02	5.36	0.34	6.78
Dependency status at base year										
Dependent	370	190	40.69	38.77	0.68	1.69	40.01	38.15	-1.86	-4.65
Independent	580	310	59.31	61.23	-0.68	-1.13	59.99	61.85	1.86	3.10
Income level at base year										
Dependent										
Less than \$10,000	60	30	6.19	8.22	-0.72	-10.36	6.91	6.24	-0.66	-9.61
\$10,000–\$19,999	90	40	9.02	10.04	-0.36	-3.85	9.38	8.67	-0.71	-7.54
\$20,000–\$29,999	70	40	10.67	8.70	0.70	6.97	9.97	9.72	-0.25	-2.54
\$30,000–\$39,999	40	30	6.86	7.82	-0.34	-4.71	7.20	5.94	-1.26	-17.55
\$40,000–\$49,999	30	10	2.74	1.91	0.29	12.01	2.45	2.78	0.33	13.36
\$50,000–\$59,999	30	10	2.06	0.36	0.60*	41.11	1.46	2.03	0.57*	38.68
\$60,000–\$69,999	10	10	0.66	0.19	0.16*	33.57	0.49	0.56	0.07	15.15
\$70,000–\$79,999	10	#	0.45	0.10	0.12*	37.99	0.33	0.53	0.20*	59.94
\$80,000–\$99,999	20	10	0.70	0.37	0.12	19.74	0.58	0.55	-0.03	-5.12
\$100,000 or more	20	10	1.33	1.05	0.10	8.02	1.23	1.13	-0.11	-8.63

See notes at end of table.

Table M-29. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, for-profit, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	130	80	14.91	14.31	0.21	1.45	14.70	15.63	0.93	6.31
\$10,000–\$19,999	260	140	30.18	33.08	-1.02	-3.28	31.21	32.46	1.26	4.03
\$20,000–\$29,999	100	40	9.59	6.54	1.08	12.69	8.51	9.34	0.83	9.79
\$30,000–\$49,999	50	30	3.87	6.10	-0.79	-16.98	4.66	3.46	-1.19*	-25.63
\$50,000 or more	30	20	0.76	1.20	-0.16	-17.02	0.91	0.95	0.04	3.91
Race/ethnicity										
White	330	180	30.86	30.91	-0.02	-0.06	30.88	29.88	-1.00	-3.23
Black or African American	250	110	29.12	20.40	3.09*	11.85	26.04	29.32	3.29*	12.63
Hispanic or Latino	300	170	33.78	41.39	-2.69*	-7.39	36.47	34.23	-2.24	-6.13
Asian	30	10	2.25	2.03	0.08	3.68	2.17	2.14	-0.03	-1.51
All other race/ethnicities including more than one race	50	20	3.98	5.27	-0.45	-10.24	4.44	4.42	-0.02	-0.43
Gender										
Male	210	120	20.23	27.89	-2.71	-11.80	22.94	23.59	0.65	2.83
Female	740	370	79.77	72.11	2.71	3.51	77.06	76.41	-0.65	-0.84
Marital status at base year										
Single, divorced, or widowed	730	370	78.56	74.93	1.28	1.66	77.27	77.74	0.47	0.60
Married	170	90	14.68	17.88	-1.13	-7.16	15.81	15.72	-0.09	-0.54
Separated	60	30	6.77	7.20	-0.15	-2.19	6.92	6.54	-0.38	-5.49
Citizen status at base year										
US citizen	870	450	92.05	91.78	0.10	0.10	91.95	92.45	0.50	0.54
Resident alien	80	40	7.87	8.01	-0.05	-0.62	7.92	7.41	-0.51	-6.38
Foreign or international student	#	#	0.08	0.21	-0.05	-36.45	0.13	0.14	0.01	6.13

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 panel weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-30. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, for-profit, 2 years or more institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	30	10	2.59	0.71	0.48	22.88	2.11	2.96	0.85	40.29
Mideast DE-DC, MD, NJ, NY, PA	100	50	12.28	19.55	-1.86	-13.15	14.14	13.07	-1.07	-7.55
Great Lakes-IL, IN, MI, OH, WI	110	40	15.20	12.98	0.57	3.88	14.64	15.02	0.38	2.59
Plains-IA, KS, MN, MO, NE, ND, SD	20	#	1.68	0.25	0.37	27.97	1.31	1.92	0.61	46.36
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	260	90	34.79	38.24	-0.88	-2.47	35.67	33.76	-1.92	-5.37
Southwest-AZ, NM, OK, TX	90	30	8.79	9.52	-0.19	-2.07	8.98	8.73	-0.24	-2.72
Rocky Mountains-CO, ID, MT, UT, WY	90	20	6.81	5.59	0.31	4.80	6.50	6.51	0.01	0.12
Far West-AK, CA, HI, NV, OR, WA	160	50	16.70	13.17	0.90	5.72	15.80	16.96	1.16	7.36
Other Jurisdictions-PR	10	†	1.15	†	0.29	34.40	0.86	1.08	0.22	25.58
CPS record available at base year										
Yes	800	260	93.17	92.90	0.07	0.07	93.10	92.74	-0.36	-0.39
No	60	30	6.83	7.10	-0.07	-1.01	6.90	7.26	0.36	5.22
Applied for federal aid										
Yes	800	260	93.17	92.90	0.07	0.07	93.10	92.74	-0.36	-0.39
No	60	30	6.83	7.10	-0.07	-1.01	6.90	7.26	0.36	5.22
Pell Grant status										
Received	530	170	69.15	68.44	0.18	0.26	68.97	67.84	-1.13	-1.64
Did not receive	320	120	30.85	31.56	-0.18	-0.59	31.03	32.16	1.13	3.65
Total Pell Grant amount received										
\$0	320	120	30.85	31.56	-0.18	-0.59	31.03	32.16	1.13	3.65
Up to \$2,000	180	70	22.18	26.10	-1.00	-4.32	23.18	23.10	-0.08	-0.34
\$2,001–\$3,700	180	60	25.28	25.72	-0.11	-0.45	25.40	23.14	-2.26	-8.90
\$3,701 or more	170	50	21.69	16.62	1.30	6.36	20.39	21.60	1.21	5.93
Stafford Loan status										
Received	700	220	85.07	81.51	0.91	1.08	84.16	84.44	0.28	0.34
Did not receive	160	70	14.93	18.49	-0.91	-5.76	15.84	15.56	-0.28	-1.78
Total Stafford Loan amount received										
\$0	160	70	14.93	18.49	-0.91	-5.76	15.84	15.56	-0.28	-1.78
Up to \$2,624	100	40	12.73	11.74	0.25	2.01	12.47	13.36	0.88	7.07
\$2,625	80	30	9.92	10.49	-0.15	-1.46	10.07	8.84	-1.23	-12.22
\$2,626 or more	520	160	62.43	59.27	0.81	1.31	61.62	62.25	0.63	1.02

See notes at end of table.

Table M-30. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, for-profit, 2 years or more institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	600	200	69.72	63.40	1.62	2.38	68.10	71.38	3.28*	4.81
1,822–6,690	210	80	23.35	32.67	-2.38	-9.26	25.74	22.16	-3.57*	-13.89
6,691–16,522	20	10	2.63	0.78	0.47	21.95	2.15	2.57	0.41	19.15
16,523 or more	10	#	2.05	1.66	0.10	5.17	1.95	1.64	-0.32	-16.18
Unknown	20	#	2.25	1.50	0.19	9.34	2.05	2.26	0.20	9.86
Age at base year										
15 to 18	230	60	26.33	21.25	1.30	5.20	25.03	26.39	1.36	5.44
19	150	40	16.93	14.25	0.69	4.23	16.25	16.32	0.07	0.43
20 to 23	180	80	21.36	25.87	-1.15	-5.12	22.52	20.40	-2.12	-9.42
24 to 29	140	60	16.28	18.83	-0.65	-3.84	16.93	17.18	0.25	1.48
30+	160	50	19.09	19.81	-0.18	-0.96	19.27	19.71	0.44	2.28
High school graduation year										
Before 1998	260	90	29.36	32.63	-0.84	-2.77	30.20	30.11	-0.09	-0.29
1998–2002	210	100	25.46	33.56	-2.07	-7.52	27.53	24.49	-3.05	-11.07
2003–04	370	100	42.79	33.12	2.47	6.14	40.32	42.64	2.32	5.76
Did not complete high school	10	10	2.38	0.69	0.43	22.18	1.95	2.76	0.82	41.90
Dependency status at base year										
Dependent	420	140	47.50	43.98	0.90	1.93	46.60	47.03	0.44	0.93
Independent	440	150	52.50	56.02	-0.90	-1.69	53.40	52.97	-0.44	-0.82
Income level at base year										
Dependent										
Less than \$10,000	30	10	3.99	2.52	0.38	10.39	3.62	4.11	0.49	13.63
\$10,000–\$19,999	70	10	7.99	6.35	0.42	5.54	7.57	9.11	1.54	20.36
\$20,000–\$29,999	70	30	9.35	9.01	0.09	0.94	9.27	8.36	-0.90	-9.75
\$30,000–\$39,999	50	20	5.70	5.02	0.18	3.17	5.53	5.65	0.12	2.11
\$40,000–\$49,999	50	10	5.71	4.02	0.43	8.20	5.28	5.50	0.22	4.24
\$50,000–\$59,999	40	10	4.87	3.22	0.42	9.49	4.44	4.72	0.28	6.28
\$60,000–\$69,999	30	10	2.48	3.35	-0.22	-8.25	2.70	2.40	-0.30	-11.08
\$70,000–\$79,999	20	10	2.27	3.70	-0.36	-13.84	2.64	2.16	-0.48	-18.17
\$80,000–\$99,999	30	10	2.47	2.29	0.05	1.89	2.42	2.29	-0.13	-5.55
\$100,000 or more	40	20	2.66	4.50	-0.47	-14.98	3.13	2.73	-0.40	-12.86

See notes at end of table.

Table M-30. Student nonresponse bias before and after weight adjustment for BPS:04/09 panel nonresponse, by select variables for students in private, for-profit, 2 years or more institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted panel respondents	Unweighted panel non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	80	30	10.10	12.16	-0.53	-4.94	10.63	9.91	-0.72	-6.73
\$10,000–\$19,999	170	60	20.95	24.58	-0.93	-4.25	21.87	21.30	-0.57	-2.63
\$20,000–\$29,999	90	30	10.75	8.46	0.59	5.77	10.16	10.72	0.56	5.52
\$30,000–\$49,999	60	20	5.95	6.19	-0.06	-1.02	6.01	5.76	-0.26	-4.25
\$50,000 or more	40	10	4.75	4.64	0.03	0.59	4.72	5.27	0.55	11.64
Race/ethnicity										
White	420	160	49.16	53.60	-1.14	-2.26	50.30	47.68	-2.62	-5.21
Black or African American	190	50	23.13	19.27	0.99	4.47	22.14	23.68	1.53	6.93
Hispanic or Latino	170	60	19.11	15.51	0.92	5.08	18.19	19.69	1.50	8.23
Asian	30	#	2.17	0.53	0.42	23.94	1.75	2.33	0.58	32.93
All other race/ethnicities including more than one race	60	20	6.42	11.09	-1.19	-15.68	7.62	6.63	-0.99	-12.94
Gender										
Male	380	160	42.45	54.49	-3.08	-6.77	45.53	42.89	-2.64	-5.81
Female	480	130	57.55	45.51	3.08	5.66	54.47	57.11	2.64	4.86
Marital status at base year										
Single, divorced, or widowed	700	230	82.40	73.65	2.24	2.79	80.16	82.37	2.21	2.76
Married	130	50	14.23	19.83	-1.43	-9.15	15.66	13.94	-1.72	-10.97
Separated	30	20	3.37	6.52	-0.81	-19.32	4.17	3.68	-0.49	-11.75
Citizen status at base year										
US citizen	800	270	93.06	92.23	0.21	0.23	92.85	93.38	0.53	0.57
Resident alien	50	20	6.86	7.77	-0.23	-3.28	7.09	6.47	-0.62	-8.70
Foreign or international student	#	†	0.08	†	0.02	34.40	0.06	0.15	0.09	155.97

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 panel weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-31. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for all students: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution type										
Public										
Less-than-2-year	400	140	1.07	3.84	-0.24*	-18.25	1.30	1.29	-0.02	-1.16
2-year	5,840	470	43.33	41.93	0.12	0.28	43.21	43.16	-0.05	-0.12
4-year non-doctorate-granting	1,540	150	9.92	11.22	-0.11	-1.11	10.03	9.90	-0.13	-1.34
4-year doctorate-granting	2,940	130	17.43	7.87	0.82*	4.94	16.61	16.74	0.13	0.81
Private nonprofit										
Less-than-4-year	480	50	1.10	1.45	-0.03	-2.65	1.13	1.11	-0.02	-2.01
4-year non-doctorate-granting	2,210	70	9.64	3.30	0.54*	5.97	9.09	9.12	0.02	0.26
4-year doctorate-granting	1,440	80	5.23	2.86	0.20*	4.04	5.03	5.01	-0.02	-0.44
Private for-profit										
Less-than-2-year	1,080	370	4.97	18.61	-1.17*	-19.05	6.14	6.21	0.08	1.23
2 years or more	1,030	120	7.31	8.91	-0.14	-1.84	7.45	7.46	0.01	0.17
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	1,100	100	5.17	5.51	-0.03	-0.58	5.20	5.20	#	0.06
Mideast-DE-DC, MD, NJ, NY, PA	2,470	290	13.35	9.51	0.33	2.53	13.02	12.97	-0.05	-0.40
Great Lakes-IL, IN, MI, OH, WI	2,920	230	18.82	18.36	0.04	0.21	18.78	18.80	0.01	0.08
Plains-IA, KS, MN, MO, NE, ND, SD	1,700	200	6.74	11.52	-0.41	-5.73	7.15	7.14	#	-0.06
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	3,840	440	22.56	23.19	-0.05	-0.24	22.62	22.65	0.04	0.17
Southwest-AZ, NM, OK, TX	1,910	90	12.96	8.33	0.40	3.16	12.57	12.58	0.02	0.13
Rocky Mountains-CO, ID, MT, UT, WY	600	50	4.04	1.46	0.22*	5.79	3.82	3.82	#	-0.09
Far West-AK, CA, HI, NV, OR, WA	2,160	180	15.04	22.05	-0.60	-3.85	15.64	15.62	-0.02	-0.12
Other Jurisdictions-PR	270	#	1.32	0.06	0.11*	8.93	1.21	1.22	0.01	0.48
CPS record available at base year										
Yes	12,470	1,230	68.08	70.51	-0.21	-0.30	68.29	68.26	-0.03	-0.05
No	4,480	360	31.92	29.49	0.21	0.66	31.71	31.74	0.03	0.10
Applied for federal aid										
Yes	13,170	1,280	72.31	75.24	-0.25	-0.35	72.57	72.47	-0.10	-0.13
No	3,780	300	27.69	24.76	0.25	0.92	27.43	27.53	0.10	0.35

See notes at end of table.

Table M-31. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for all students: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Pell Grant status										
Received	6,260	790	34.89	44.48	-0.82*	-2.30	35.71	35.66	-0.05	-0.14
Did not receive	10,700	800	65.11	55.52	0.82*	1.28	64.29	64.34	0.05	0.08
Total Pell Grant amount received										
\$0	10,700	800	65.11	55.52	0.82*	1.28	64.29	64.34	0.05	0.08
Up to \$2,000	2,070	260	12.81	16.14	-0.29	-2.18	13.09	13.07	-0.02	-0.19
\$2,001–\$3,700	2,170	270	12.18	15.33	-0.27	-2.17	12.45	12.50	0.05	0.42
\$3,701 or more	2,020	250	9.90	13.01	-0.27	-2.62	10.17	10.09	-0.08	-0.77
Stafford Loan status										
Received	6,870	660	34.47	37.67	-0.27	-0.79	34.74	34.73	-0.01	-0.04
Did not receive	10,090	930	65.53	62.33	0.27	0.42	65.26	65.27	0.01	0.02
Total Stafford Loan amount received										
\$0	10,090	930	65.53	62.33	0.27	0.42	65.26	65.27	0.01	0.02
Up to \$2,624	1,190	100	6.43	8.22	-0.15	-2.34	6.58	6.58	0.00	0.00
\$2,625	3,570	200	16.79	10.91	0.50*	3.09	16.29	16.43	0.14	0.88
\$2,626 or more	2,110	350	11.25	18.54	-0.62*	-5.26	11.87	11.72	-0.16	-1.32
Institution undergraduate enrollment										
0–1,821	3,860	710	18.31	31.85	-1.16*	-5.96	19.47	19.45	-0.02	-0.12
1,822–6,690	4,280	340	23.34	20.83	0.22	0.93	23.13	22.84	-0.29	-1.25
6,691–16,522	4,270	320	27.39	28.22	-0.07	-0.26	27.46	27.88	0.42	1.53
16,523 or more	4,430	200	30.61	17.47	1.13*	3.82	29.48	29.49	#	0.02
Unknown	110	20	0.35	1.62	-0.11	-24.08	0.46	0.34	-0.11	-24.42
Age at base year										
15 to 18	7,890	500	44.10	32.50	0.99*	2.31	43.10	43.10	#	-0.01
19	4,330	330	23.96	20.89	0.26	1.11	23.70	23.69	-0.01	-0.04
20 to 23	1,900	230	12.29	17.03	-0.41*	-3.20	12.70	12.70	#	0.02
24 to 29	1,150	190	7.59	9.74	-0.19	-2.38	7.77	7.78	0.01	0.09
30+	1,690	320	12.06	19.84	-0.67*	-5.24	12.73	12.73	#	0.02
High school graduation year										
Before 1998	2,430	440	17.14	25.45	-0.71*	-3.99	17.85	17.90	0.05	0.28
1998–2002	2,550	310	16.84	22.81	-0.51*	-2.95	17.35	17.15	-0.20	-1.16
2003–04	11,840	800	65.10	48.59	1.42*	2.22	63.69	63.97	0.28*	0.45
Did not complete high school	130	40	0.92	3.15	-0.19*	-17.25	1.11	0.98	-0.13	-11.99

See notes at end of table.

Table M-31. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for all students: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Dependency status at base year										
Dependent	12,920	900	72.68	59.04	1.17*	1.64	71.51	71.49	-0.02	-0.03
Independent	4,030	690	27.32	40.96	-1.17*	-4.11	28.49	28.51	0.02	0.06
Income level at base year										
Dependent										
Less than \$10,000	730	60	4.18	4.19	#	-0.01	4.18	4.18	#	-0.11
\$10,000–\$19,999	1,070	90	6.04	5.21	0.07	1.19	5.97	5.95	-0.02	-0.33
\$20,000–\$29,999	1,320	120	7.23	8.64	-0.12	-1.65	7.35	7.34	-0.01	-0.10
\$30,000–\$39,999	1,300	110	7.74	7.27	0.04	0.53	7.70	7.69	-0.01	-0.13
\$40,000–\$49,999	1,170	80	6.78	4.07	0.23*	3.55	6.55	6.55	#	0.02
\$50,000–\$59,999	1,080	80	6.07	5.46	0.05	0.87	6.02	6.01	-0.01	-0.12
\$60,000–\$69,999	1,190	80	6.96	6.90	#	0.07	6.95	6.95	#	-0.03
\$70,000–\$79,999	910	60	5.33	4.36	0.08	1.58	5.25	5.25	#	0.02
\$80,000–\$99,999	1,550	80	8.07	5.27	0.24*	3.07	7.83	7.83	#	#
\$100,000 or more	2,610	130	14.28	7.67	0.57*	4.14	13.72	13.75	0.03	0.23
Independent										
Less than \$10,000	770	120	4.64	7.01	-0.20*	-4.20	4.84	4.84	-0.01	-0.11
\$10,000–\$19,999	1,450	270	9.09	14.57	-0.47*	-4.92	9.56	9.57	0.01	0.09
\$20,000–\$29,999	670	120	4.39	6.93	-0.22*	-4.72	4.61	4.61	#	-0.01
\$30,000–\$49,999	630	100	4.73	6.75	-0.17	-3.53	4.91	4.91	0.01	0.16
\$50,000 or more	510	80	4.46	5.70	-0.11	-2.32	4.57	4.58	0.01	0.15
Race/ethnicity										
White	10,820	890	62.06	55.61	0.55	0.90	61.51	61.50	-0.01	-0.02
Black or African American	2,200	330	13.50	16.96	-0.30	-2.15	13.80	13.81	0.01	0.09
Hispanic or Latino	2,260	220	14.60	18.36	-0.32	-2.16	14.92	14.93	0.01	0.04
Asian	780	60	4.66	5.20	-0.05	-1.00	4.70	4.70	-0.01	-0.12
All other race/ethnicities including more than one race	890	80	5.18	3.86	0.11	2.23	5.07	5.07	#	-0.04
Gender										
Male	7,090	610	42.78	40.18	0.22	0.52	42.56	42.52	-0.03	-0.08
Female	9,870	980	57.22	59.82	-0.22	-0.39	57.44	57.48	0.03	0.06
Marital status at base year										
Single, divorced, or widowed	15,240	1,260	88.29	78.41	0.85*	0.97	87.44	87.69	0.25*	0.28
Married	1,440	290	10.18	19.70	-0.82*	-7.43	11.00	10.68	-0.32*	-2.90
Separated	270	40	1.53	1.88	-0.03	-1.93	1.56	1.64	0.07	4.69

See notes at end of table.

Table M-31. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for all students: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Citizen status at base year										
US citizen	16,040	1,490	93.96	91.92	0.17	0.19	93.78	93.80	0.02	0.02
Resident alien	730	90	4.84	7.51	-0.23	-4.51	5.07	5.06	-0.02	-0.31
Foreign or international student	190	10	1.20	0.57	0.05*	4.70	1.15	1.14	#	-0.07

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 transcript weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-32. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in public, less-than-2-year institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	†	†	†	†	†	†	†	†	†	†
Mideast DE-DC, MD, NJ, NY, PA	40	#	12.01	0.38	2.94	32.39	9.07	8.68	-0.39	-4.32
Great Lakes-IL, IN, MI, OH, WI	80	30	18.76	37.63	-4.77	-20.26	23.53	20.43	-3.10	-13.17
Plains-IA, KS, MN, MO, NE, ND, SD	20	10	10.76	7.61	0.80	7.98	9.97	12.53	2.57	25.74
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	160	80	28.77	23.74	1.27	4.62	27.50	25.21	-2.29	-8.32
Southwest-AZ, NM, OK, TX	40	10	7.51	22.01	-3.66	-32.77	11.17	9.03	-2.15	-19.22
Rocky Mountains-CO, ID, MT, UT, WY	10	†	0.80	†	0.20	33.80	0.60	0.62	0.02	3.31
Far West-AK, CA, HI, NV, OR, WA	70	#	21.05	8.63	3.14	17.51	17.92	23.23	5.32	29.67
Other Jurisdictions-PR	#	†	0.33	†	0.08	33.80	0.25	0.27	0.02	9.41
CPS record available at base year										
Yes	330	120	70.81	79.41	-2.17	-2.98	72.98	67.89	-5.10	-6.99
No	80	20	29.19	20.59	2.17	8.04	27.02	32.11	5.10	18.88
Applied for federal aid										
Yes	330	120	71.92	84.28	-3.12	-4.16	75.04	68.88	-6.17	-8.22
No	70	20	28.08	15.72	3.12	12.51	24.96	31.12	6.17	24.71
Pell Grant status										
Received	230	90	50.59	64.91	-3.62	-6.67	54.21	50.36	-3.85	-7.10
Did not receive	170	50	49.41	35.09	3.62	7.90	45.79	49.64	3.85	8.41
Total Pell Grant amount received										
\$0	170	50	49.41	35.09	3.62	7.90	45.79	49.64	3.85	8.41
Up to \$2,000	90	50	24.32	37.31	-3.28	-11.88	27.60	24.23	-3.37	-12.23
\$2,001–\$3,700	90	30	18.60	20.36	-0.44	-2.33	19.05	18.49	-0.56	-2.92
\$3,701 or more	50	20	7.66	7.25	0.11	1.39	7.56	7.64	0.08	1.06
Stafford Loan status										
Received	80	10	19.11	8.99	2.56	15.45	16.56	16.66	0.10	0.62
Did not receive	330	120	80.89	91.01	-2.56	-3.07	83.44	83.34	-0.10	-0.12
Total Stafford Loan amount received										
\$0	330	120	80.89	91.01	-2.56	-3.07	83.44	83.34	-0.10	-0.12
Up to \$2,624	10	0	2.21	3.45	-0.31	-12.39	2.53	2.00	-0.53	-20.93
\$2,625	10	#	3.06	0.35	0.69	28.88	2.37	2.50	0.13	5.27
\$2,626 or more	60	10	13.84	5.19	2.19	18.76	11.65	12.16	0.51	4.35

See notes at end of table.

Table M-32. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in public, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	320	130	73.06	89.27	-4.09	-5.31	77.15	72.21	-4.94	-6.41
1,822–6,690	60	#	16.03	9.22	1.72	12.02	14.31	13.31	-1.00	-6.96
6,691–16,522	20	†	10.44	†	2.64	33.80	7.80	14.12	6.31*	80.89
16,523 or more	#	†	0.41	†	0.10	33.80	0.31	0.31	#	1.47
Unknown	#	#	0.06	1.51	-0.37	-86.70	0.42	0.05	-0.38	-89.26
Age at base year										
15 to 18	40	20	7.47	11.44	-1.00	-11.81	8.47	7.31	-1.16	-13.72
19	50	10	10.97	7.96	0.76	7.45	10.21	11.59	1.38	13.52
20 to 23	70	20	13.60	6.79	1.72	14.48	11.88	13.47	1.59	13.36
24 to 29	70	40	20.94	24.66	-0.94	-4.30	21.88	20.36	-1.51	-6.91
30+	180	60	47.03	49.16	-0.54	-1.13	47.56	47.27	-0.29	-0.62
High school graduation year										
Before 1998	220	80	58.97	59.36	-0.10	-0.17	59.07	59.11	0.04	0.06
1998–2002	100	30	25.12	16.43	2.19	9.57	22.92	25.91	2.98	13.02
2003–04	80	30	15.60	20.22	-1.17	-6.96	16.77	14.71	-2.06	-12.29
Did not complete high school	#	#	0.31	3.99	-0.93	-75.10	1.24	0.28	-0.96	-77.76
Dependency status at base year										
Dependent	100	30	21.73	20.28	0.37	1.71	21.37	22.60	1.24	5.78
Independent	300	100	78.27	79.72	-0.37	-0.47	78.63	77.40	-1.24	-1.57
Income level at base year										
Dependent										
Less than \$10,000	10	#	1.92	2.53	-0.15	-7.46	2.08	1.66	-0.42	-20.25
\$10,000–\$19,999	20	10	3.89	7.46	-0.90	-18.81	4.79	4.04	-0.75	-15.64
\$20,000–\$29,999	20	10	2.62	1.76	0.22	9.07	2.40	2.47	0.06	2.66
\$30,000–\$39,999	20	10	3.70	5.06	-0.34	-8.46	4.05	3.93	-0.12	-2.87
\$40,000–\$49,999	10	#	0.71	0.51	0.05	7.85	0.66	0.62	-0.04	-5.67
\$50,000–\$59,999	10	#	3.19	0.29	0.73	29.84	2.46	4.59	2.13	86.71
\$60,000–\$69,999	10	#	0.89	0.34	0.14	18.35	0.75	0.95	0.20	26.46
\$70,000–\$79,999	10	#	3.59	0.23	0.85	30.91	2.74	3.15	0.41	14.92
\$80,000–\$99,999	#	#	0.29	1.86	-0.40	-57.62	0.69	0.27	-0.42	-61.11
\$100,000 or more	#	#	0.91	0.23	0.17	23.13	0.74	0.92	0.17	23.46

See notes at end of table.

Table M-32. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in public, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	40	10	10.49	7.05	0.87	9.01	9.62	11.84	2.23	23.13
\$10,000–\$19,999	110	40	21.97	29.46	-1.89	-7.92	23.87	20.58	-3.28	-13.75
\$20,000–\$29,999	60	20	17.13	20.95	-0.96	-5.33	18.10	17.23	-0.86	-4.77
\$30,000–\$49,999	60	20	16.52	11.47	1.28	8.36	15.25	15.80	0.55	3.60
\$50,000 or more	40	10	12.15	10.78	0.35	2.94	11.81	11.94	0.14	1.15
Race/ethnicity										
White	270	120	63.36	74.70	-2.86	-4.33	66.22	60.13	-6.09	-9.20
Black or African American	40	10	8.90	7.96	0.24	2.75	8.67	8.62	-0.04	-0.51
Hispanic or Latino	40	#	17.83	9.26	2.16	13.81	15.66	20.13	4.47	28.52
Asian	10	#	4.12	0.66	0.87	26.92	3.25	5.55	2.31	70.99
All other race/ethnicities including more than one race	30	10	5.79	7.42	-0.41	-6.65	6.20	5.56	-0.63	-10.24
Gender										
Male	150	50	41.75	40.05	0.43	1.04	41.32	44.66	3.34	8.08
Female	250	90	58.25	59.95	-0.43	-0.73	58.68	55.34	-3.34	-5.69
Marital status at base year										
Single, divorced, or widowed	240	80	55.60	61.67	-1.53	-2.68	57.13	54.57	-2.56	-4.48
Married	140	50	40.41	37.75	0.67	1.69	39.74	41.39	1.66	4.17
Separated	20	#	4.00	0.58	0.86	27.53	3.13	4.03	0.90	28.78
Citizen status at base year										
US citizen	380	130	91.07	98.20	-1.80	-1.94	92.87	91.07	-1.81	-1.94
Resident alien	20	#	8.63	1.80	1.73	25.00	6.90	8.70	1.80	26.06
Foreign or international student	#	†	0.30	†	0.08	33.80	0.22	0.23	0.01	2.92

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 transcript weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-33. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in public, 2-year institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	180	40	2.33	5.87	-0.29	-11.21	2.63	2.61	-0.02	-0.76
Mideast DE-DC, MD, NJ, NY, PA	790	10	11.32	0.51	0.90*	8.63	10.42	10.71	0.30	2.84
Great Lakes-IL, IN, MI, OH, WI	1,070	70	20.25	15.44	0.40	2.01	19.85	20.05	0.20	1.00
Plains-IA, KS, MN, MO, NE, ND, SD	620	110	6.32	19.44	-1.09	-14.74	7.41	6.53	-0.88	-11.84
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	1,430	140	21.82	20.29	0.13	0.59	21.69	22.19	0.50	2.30
Southwest-AZ, NM, OK, TX	900	20	16.76	3.39	1.11*	7.11	15.65	15.90	0.25	1.61
Rocky Mountains-CO, ID, MT, UT, WY	90	20	0.99	0.66	0.03	2.81	0.96	0.93	-0.03	-3.23
Far West-AK, CA, HI, NV, OR, WA	750	70	20.20	34.39	-1.18	-5.52	21.38	21.07	-0.32	-1.48
Other Jurisdictions-PR	#	†	0.02	†	#	9.08	0.02	0.02	#	-1.08
CPS record available at base year										
Yes	3,600	300	53.82	53.15	0.06	0.10	53.76	53.84	0.08	0.16
No	2,240	170	46.18	46.85	-0.06	-0.12	46.24	46.16	-0.08	-0.18
Applied for federal aid										
Yes	3,960	310	59.97	58.75	0.10	0.17	59.87	59.98	0.11	0.19
No	1,880	160	40.03	41.25	-0.10	-0.25	40.13	40.02	-0.11	-0.28
Pell Grant status										
Received	2,090	180	28.27	27.36	0.08	0.27	28.20	28.18	-0.01	-0.05
Did not receive	3,750	290	71.73	72.64	-0.08	-0.11	71.80	71.82	0.01	0.02
Total Pell Grant amount received										
\$0	3,750	290	71.73	72.64	-0.08	-0.11	71.80	71.82	0.01	0.02
Up to \$2,000	780	80	13.40	14.46	-0.09	-0.65	13.49	13.54	0.05	0.38
\$2,001–\$3,700	780	80	9.86	9.58	0.02	0.24	9.84	9.71	-0.13	-1.31
\$3,701 or more	530	30	5.01	3.32	0.14	2.88	4.87	4.94	0.06	1.33
Stafford Loan status										
Received	1,030	70	10.81	9.63	0.10	0.92	10.71	10.82	0.10	0.98
Did not receive	4,810	400	89.19	90.37	-0.10	-0.11	89.29	89.18	-0.10	-0.12
Total Stafford Loan amount received										
\$0	4,810	400	89.19	90.37	-0.10	-0.11	89.29	89.18	-0.10	-0.12
Up to \$2,624	390	30	5.07	3.40	0.14	2.82	4.93	5.09	0.16	3.16
\$2,625	450	30	4.40	3.94	0.04	0.87	4.36	4.41	0.04	1.03
\$2,626 or more	200	20	1.34	2.28	-0.08	-5.51	1.42	1.32	-0.10	-6.75

See notes at end of table.

Table M-33. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in public, 2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	250	30	5.05	1.84	0.27	5.58	4.79	4.83	0.05	1.01
1,822–6,690	1,410	160	22.69	32.34	-0.80	-3.42	23.49	22.76	-0.73	-3.12
6,691–16,522	2,240	160	34.41	39.41	-0.42	-1.19	34.83	35.30	0.47	1.36
16,523 or more	1,900	120	37.45	26.40	0.92	2.52	36.53	36.73	0.20	0.56
Unknown	40	†	0.40	†	0.03	9.08	0.37	0.38	0.01	2.19
Age at base year										
15 to 18	2,180	130	35.46	26.32	0.76	2.19	34.70	35.02	0.32	0.93
19	1,400	120	22.04	21.74	0.03	0.11	22.02	21.98	-0.04	-0.18
20 to 23	930	70	15.79	17.25	-0.12	-0.76	15.91	15.92	0.02	0.10
24 to 29	510	50	9.22	8.02	0.10	1.09	9.12	9.16	0.04	0.49
30+	830	100	17.50	26.68	-0.76	-4.18	18.26	17.92	-0.34	-1.87
High school graduation year										
Before 1998	1,160	140	23.79	32.54	-0.73	-2.97	24.52	24.23	-0.29	-1.19
1998–2002	1,240	100	21.60	25.17	-0.30	-1.36	21.90	21.54	-0.35	-1.61
2003–04	3,390	220	53.50	38.72	1.23*	2.35	52.27	53.10	0.83*	1.59
Did not complete high school	50	10	1.11	3.57	-0.20	-15.53	1.32	1.13	-0.19	-14.31
Dependency status at base year										
Dependent	3,980	270	64.34	53.93	0.87*	1.37	63.48	63.93	0.45	0.71
Independent	1,860	200	35.66	46.07	-0.87*	-2.37	36.52	36.07	-0.45	-1.24
Income level at base year										
Dependent										
Less than \$10,000	310	10	4.58	3.72	0.07	1.58	4.51	4.54	0.03	0.60
\$10,000–\$19,999	400	30	5.71	5.39	0.03	0.47	5.68	5.65	-0.03	-0.58
\$20,000–\$29,999	470	40	6.75	7.58	-0.07	-1.01	6.82	6.70	-0.12	-1.81
\$30,000–\$39,999	470	40	7.50	7.22	0.02	0.31	7.48	7.56	0.08	1.12
\$40,000–\$49,999	420	40	6.52	5.25	0.11	1.64	6.41	6.38	-0.03	-0.51
\$50,000–\$59,999	380	30	6.16	5.27	0.07	1.22	6.09	6.13	0.04	0.72
\$60,000–\$69,999	390	20	7.03	5.71	0.11	1.58	6.92	7.15	0.23	3.31
\$70,000–\$79,999	270	10	5.02	4.10	0.08	1.55	4.94	5.04	0.09	1.89
\$80,000–\$99,999	370	20	5.85	5.44	0.03	0.59	5.82	5.80	-0.02	-0.33
\$100,000 or more	510	20	9.22	4.25	0.41*	4.70	8.81	8.99	0.18	2.10

See notes at end of table.

Table M-33. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in public, 2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	300	30	4.81	7.99	-0.26	-5.20	5.08	4.69	-0.39*	-7.61
\$10,000–\$19,999	630	60	10.45	9.04	0.12	1.14	10.34	10.61	0.28	2.69
\$20,000–\$29,999	300	30	5.51	7.93	-0.20	-3.52	5.72	5.63	-0.09	-1.52
\$30,000–\$49,999	330	40	7.33	10.60	-0.27	-3.57	7.60	7.43	-0.17	-2.25
\$50,000 or more	290	40	7.54	10.52	-0.25	-3.18	7.79	7.70	-0.09	-1.13
Race/ethnicity										
White	3,630	290	60.84	57.80	0.25	0.42	60.58	60.87	0.29	0.48
Black or African American	900	90	14.06	15.28	-0.10	-0.72	14.16	14.21	0.05	0.39
Hispanic or Latino	780	60	15.48	17.96	-0.21	-1.31	15.69	15.44	-0.25	-1.62
Asian	220	20	4.35	6.07	-0.14	-3.18	4.50	4.35	-0.14	-3.20
All other race/ethnicities including more than one race	310	20	5.27	2.90	0.20	3.89	5.07	5.13	0.06	1.09
Gender										
Male	2,530	200	43.73	42.94	0.07	0.15	43.66	43.76	0.09	0.21
Female	3,310	270	56.27	57.06	-0.07	-0.12	56.34	56.24	-0.09	-0.16
Marital status at base year										
Single, divorced, or widowed	5,010	350	83.55	70.35	1.10*	1.33	82.45	83.25	0.80*	0.97
Married	730	110	15.08	28.80	-1.14*	-7.04	16.23	15.40	-0.82*	-5.08
Separated	100	10	1.36	0.85	0.04	3.23	1.32	1.35	0.03	2.15
Citizen status at base year										
US citizen	5,490	430	93.28	89.16	0.34	0.37	92.94	93.25	0.31*	0.33
Resident alien	290	40	5.56	10.45	-0.41	-6.81	5.97	5.65	-0.32*	-5.41
Foreign or international student	60	#	1.16	0.39	0.06	5.83	1.09	1.11	0.01	1.11

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 transcript weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-34. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in public, 4-year, non-doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	120	#	5.33	0.43	0.47	9.68	4.86	5.06	0.21	4.25
Mideast DE-DC, MD, NJ, NY, PA	340	50	23.93	8.50	1.48	6.59	22.45	23.57	1.12	4.97
Great Lakes-IL, IN, MI, OH, WI	190	30	13.14	28.94	-1.52	-10.34	14.66	13.17	-1.49	-10.18
Plains-IA, KS, MN, MO, NE, ND, SD	180	#	6.10	2.06	0.39	6.79	5.71	7.89	2.18	38.25
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	330	30	19.37	25.61	-0.60	-3.00	19.97	19.52	-0.45	-2.24
Southwest-AZ, NM, OK, TX	80	20	6.49	19.92	-1.29	-16.56	7.78	6.16	-1.62	-20.76
Rocky Mountains-CO, ID, MT, UT, WY	110	#	13.03	2.13	1.05	8.73	11.99	12.11	0.12	1.04
Far West-AK, CA, HI, NV, OR, WA	140	10	10.77	12.42	-0.16	-1.44	10.93	10.90	-0.03	-0.27
Other Jurisdictions-PR	50	†	1.84	†	0.18	10.61	1.66	1.61	-0.05	-2.84
CPS record available at base year										
Yes	1,160	110	73.25	67.57	0.54	0.75	72.71	72.78	0.08	0.11
No	380	40	26.75	32.43	-0.54	-2.00	27.29	27.22	-0.08	-0.29
Applied for federal aid										
Yes	1,220	120	77.24	76.65	0.06	0.07	77.19	76.69	-0.49	-0.64
No	320	30	22.76	23.35	-0.06	-0.25	22.81	23.31	0.49	2.15
Pell Grant status										
Received	520	50	34.05	28.55	0.53	1.57	33.53	33.23	-0.29	-0.87
Did not receive	1,010	100	65.95	71.45	-0.53	-0.79	66.47	66.77	0.29	0.44
Total Pell Grant amount received										
\$0	1,010	100	65.95	71.45	-0.53	-0.79	66.47	66.77	0.29	0.44
Up to \$2,000	160	20	10.36	11.52	-0.11	-1.06	10.48	10.35	-0.13	-1.20
\$2,001–\$3,700	160	10	11.28	5.00	0.60*	5.64	10.68	11.07	0.39	3.67
\$3,701 or more	200	20	12.41	12.03	0.04	0.29	12.37	11.81	-0.56	-4.52
Stafford Loan status										
Received	670	80	41.66	39.59	0.20	0.48	41.46	41.36	-0.11	-0.26
Did not receive	870	80	58.34	60.41	-0.20	-0.34	58.54	58.64	0.11	0.18
Total Stafford Loan amount received										
\$0	870	80	58.34	60.41	-0.20	-0.34	58.54	58.64	0.11	0.18
Up to \$2,624	120	10	7.09	8.92	-0.18	-2.42	7.26	6.95	-0.32	-4.37
\$2,625	450	40	27.01	19.95	0.68	2.57	26.33	26.74	0.41	1.57
\$2,626 or more	100	20	7.57	10.71	-0.30	-3.83	7.87	7.67	-0.20	-2.58

See notes at end of table.

Table M-34. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in public, 4-year, non-doctorate-granting institutions: 20092009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	90	#	5.38	2.41	0.28	5.59	5.10	5.07	-0.03	-0.49
1,822–6,690	640	70	32.97	17.50	1.48	4.71	31.48	31.87	0.38	1.21
6,691–16,522	590	50	45.21	52.04	-0.66	-1.43	45.86	47.65	1.79	3.90
16,523 or more	220	30	16.45	28.05	-1.11	-6.34	17.56	15.41	-2.15	-12.22
Unknown	†	†	†	†	†	†	†	†	†	†
Age at base year										
15 to 18	900	90	55.91	57.94	-0.19	-0.35	56.11	55.62	-0.49	-0.87
19	420	40	27.28	27.55	-0.03	-0.09	27.30	27.33	0.02	0.09
20 to 23	100	10	7.76	9.25	-0.14	-1.80	7.91	7.71	-0.19	-2.44
24 to 29	50	#	3.94	2.77	0.11	2.94	3.83	4.07	0.24	6.18
30+	60	10	5.10	2.50	0.25	5.15	4.85	5.27	0.42	8.70
High school graduation year										
Before 1998	110	10	8.35	4.16	0.40	5.06	7.95	8.60	0.65	8.16
1998–2002	150	20	11.58	14.51	-0.28	-2.38	11.86	11.33	-0.52	-4.42
2003–04	1,280	130	79.90	81.33	-0.14	-0.17	80.03	79.91	-0.13	-0.16
Did not complete high school	#	†	0.18	†	0.02	10.61	0.16	0.16	0.01	3.17
Dependency status at base year										
Dependent	1,360	140	86.70	89.13	-0.23	-0.27	86.94	86.52	-0.41	-0.48
Independent	170	20	13.30	10.87	0.23	1.78	13.06	13.48	0.41	3.17
Income level at base year										
Dependent										
Less than \$10,000	60	#	3.68	2.96	0.07	1.90	3.61	3.85	0.24	6.53
\$10,000–\$19,999	120	10	7.36	2.60	0.46	6.61	6.91	7.14	0.23	3.40
\$20,000–\$29,999	150	10	8.97	9.12	-0.01	-0.16	8.99	8.79	-0.20	-2.23
\$30,000–\$39,999	140	10	9.95	4.11	0.56	5.96	9.39	10.13	0.75	7.94
\$40,000–\$49,999	130	10	7.86	5.26	0.25	3.28	7.61	7.63	0.02	0.22
\$50,000–\$59,999	130	10	8.76	8.12	0.06	0.70	8.70	8.72	0.02	0.27
\$60,000–\$69,999	130	20	7.60	22.65	-1.44*	-15.97	9.04	7.77	-1.27	-14.04
\$70,000–\$79,999	110	10	6.83	10.53	-0.36	-4.95	7.18	6.85	-0.33	-4.62
\$80,000–\$99,999	180	20	10.95	10.75	0.02	0.18	10.93	10.94	#	0.04
\$100,000 or more	220	20	14.75	13.03	0.17	1.13	14.59	14.71	0.13	0.86

See notes at end of table.

Table M-34. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in public, 4-year, non-doctorate-granting institutions: 20092009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	40	#	3.01	3.40	-0.04	-1.22	3.05	3.07	0.02	0.56
\$10,000–\$19,999	50	10	3.50	6.75	-0.31	-8.20	3.81	3.47	-0.34	-8.83
\$20,000–\$29,999	30	#	2.34	0.68	0.16	7.29	2.18	2.42	0.24	11.05
\$30,000–\$49,999	30	#	2.14	0.04	0.20*	10.41	1.94	2.29	0.35	18.23
\$50,000 or more	20	†	2.31	†	0.22*	10.61	2.09	2.23	0.14	6.69
Race/ethnicity										
White	1,090	100	71.34	81.08	-0.93	-1.29	72.27	71.41	-0.86	-1.19
Black or African American	150	30	9.17	0.64	0.82*	9.80	8.36	9.29	0.94*	11.19
Hispanic or Latino	170	#	10.52	1.65	0.85*	8.80	9.67	10.30	0.64	6.57
Asian	60	10	4.73	9.95	-0.50	-9.56	5.23	4.80	-0.44	-8.35
All other race/ethnicities including more than one race	60	20	4.24	6.68	-0.23	-5.24	4.47	4.20	-0.27	-6.11
Gender										
Male	640	60	41.81	43.79	-0.19	-0.45	42.00	41.54	-0.46	-1.09
Female	900	90	58.19	56.21	0.19	0.33	58.00	58.46	0.46	0.79
Marital status at base year										
Single, divorced, or widowed	1,480	150	95.41	96.42	-0.10	-0.10	95.51	95.42	-0.09	-0.09
Married	50	10	4.01	3.58	0.04	1.05	3.97	3.97	#	-0.09
Separated	10	†	0.57	†	0.06*	10.61	0.52	0.61	0.09	17.70
Citizen status at base year										
US citizen	1,460	150	94.57	95.56	-0.10	-0.10	94.66	94.66	#	#
Resident alien	60	#	4.31	2.41	0.18	4.41	4.12	4.23	0.11	2.59
Foreign or international student	10	#	1.13	2.03	-0.09	-7.16	1.21	1.11	-0.10	-8.59

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 transcript weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-35. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in public, 4-year, doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	150	20	4.96	19.54	-0.59*	-10.66	5.55	5.01	-0.54*	-9.78
Mideast DE-DC, MD, NJ, NY, PA	240	10	6.46	5.93	0.02	0.33	6.43	6.41	-0.03	-0.44
Great Lakes-IL, IN, MI, OH, WI	680	20	23.71	10.01	0.56*	2.40	23.16	23.26	0.11	0.46
Plains-IA, KS, MN, MO, NE, ND, SD	290	30	6.55	14.43	-0.32*	-4.66	6.87	7.21	0.33	4.84
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	750	60	26.94	48.49	-0.88*	-3.15	27.82	27.44	0.38	-1.38
Southwest-AZ, NM, OK, TX	320	#	12.34	0.82	0.47*	3.94	11.87	11.98	-0.11	0.94
Rocky Mountains-CO, ID, MT, UT, WY	170	#	7.84	0.33	0.31*	4.05	7.53	7.55	0.01	0.17
Far West-AK, CA, HI, NV, OR, WA	320	#	10.38	0.44	0.40*	4.05	9.98	10.36	0.38	3.85
Other Jurisdictions-PR	30	†	0.81	†	0.03	4.24	0.78	0.79	0.01	0.98
CPS record available at base year										
Yes	2,130	100	71.96	77.82	-0.24	-0.33	72.20	72.06	-0.14	-0.20
No	810	30	28.04	22.18	0.24	0.86	27.80	27.94	0.14	0.51
Applied for federal aid										
Yes	2,230	100	74.60	78.77	-0.17	-0.23	74.77	74.67	-0.11	-0.14
No	710	30	25.40	21.23	0.17	0.67	25.23	25.33	0.11	0.42
Pell Grant status										
Received	710	30	23.61	21.31	0.09	0.40	23.51	23.78	-0.27	1.16
Did not receive	2,240	100	76.39	78.69	-0.09	-0.12	76.49	76.22	-0.27	-0.36
Total Pell Grant amount received										
\$0	2,240	100	76.39	78.69	-0.09	-0.12	76.49	76.22	-0.27	-0.36
Up to \$2,000	230	10	7.60	4.99	0.11	1.41	7.49	7.46	-0.03	-0.44
\$2,001–\$3,700	220	10	7.46	8.24	-0.03	-0.42	7.49	7.53	0.04	0.51
\$3,701 or more	250	10	8.55	8.08	0.02	0.23	8.53	8.80	0.27	3.13
Stafford Loan status										
Received	1,210	60	40.88	42.58	-0.07	-0.17	40.95	40.97	0.01	0.03
Did not receive	1,730	80	59.12	57.42	0.07	0.12	59.05	59.03	-0.01	-0.02
Total Stafford Loan amount received										
\$0	1,730	80	59.12	57.42	0.07	0.12	59.05	59.03	-0.01	-0.02
Up to \$2,624	180	10	5.72	7.23	-0.06	-1.06	5.78	5.61	-0.17	-2.93
\$2,625	860	40	29.07	30.27	-0.05	-0.17	29.12	29.23	0.12	0.40
\$2,626 or more	170	10	6.10	5.08	0.04	0.68	6.06	6.13	0.07	1.12

See notes at end of table.

Table M-35. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in public, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	10	#	0.19	0.04	0.01*	3.38	0.19	0.19	#	1.97
1,822–6,690	110	10	4.77	10.05	-0.21	-4.31	4.98	4.66	-0.33*	-6.55
6,691–16,522	800	70	29.71	50.21	-0.83*	-2.73	30.54	30.48	-0.06	-0.19
16,523 or more	2,030	50	65.34	39.71	1.04*	1.62	64.29	64.67	0.38	0.59
Unknown	†	†	†	†	†	†	†	†	†	†
Age at base year										
15 to 18	1,900	80	63.89	65.40	-0.06	-0.10	63.96	63.76	-0.20	-0.31
19	880	40	29.51	28.44	0.04	0.15	29.46	29.67	0.20	0.69
20 to 23	110	#	4.04	2.56	0.06	1.51	3.98	4.05	0.07	1.72
24 to 29	30	#	1.43	1.65	-0.01	-0.63	1.44	1.43	-0.01	-0.96
30+	30	#	1.13	1.95	-0.03	-2.88	1.16	1.10	-0.06	-5.13
High school graduation year										
Before 1998	50	10	2.29	3.61	-0.05	-2.29	2.34	2.27	-0.07	-3.20
1998–2002	140	10	6.11	4.70	0.06	0.95	6.05	6.06	0.01	0.18
2003–04	2,750	120	91.60	91.69	#	#	91.61	91.67	0.06	0.07
Did not complete high school	†	†	†	†	†	†	†	†	†	†
Dependency status at base year										
Dependent	2,820	130	94.94	95.08	-0.01	-0.01	94.94	94.96	0.02	0.02
Independent	130	10	5.06	4.92	0.01	0.11	5.06	5.04	-0.02	-0.32
Income level at base year										
Dependent										
Less than \$10,000	80	10	3.14	5.15	-0.08	-2.53	3.23	3.23	0.01	0.18
\$10,000–\$19,999	140	10	4.95	3.16	0.07	1.49	4.88	4.98	0.10	2.05
\$20,000–\$29,999	210	10	6.51	5.92	0.02	0.37	6.49	6.64	0.15	2.30
\$30,000–\$39,999	240	10	8.09	7.53	0.02	0.28	8.06	8.04	-0.02	-0.25
\$40,000–\$49,999	230	#	7.79	1.49	0.26*	3.40	7.54	7.70	0.17	2.23
\$50,000–\$59,999	210	10	6.98	5.60	0.06	0.81	6.92	6.92	#	0.02
\$60,000–\$69,999	290	20	9.96	13.25	-0.13	-1.32	10.10	10.19	0.10	0.96
\$70,000–\$79,999	220	10	7.63	10.51	-0.12	-1.51	7.75	7.67	-0.07	-0.94
\$80,000–\$99,999	410	20	13.30	13.30	#	#	13.30	13.21	-0.09	-0.70
\$100,000 or more	790	30	26.58	29.17	-0.11	-0.39	26.69	26.37	-0.32	-1.19

See notes at end of table.

Table M-35. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in public, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	40	†	1.46	†	0.06*	4.24	1.40	1.45	0.04	3.17
\$10,000–\$19,999	30	#	1.20	2.57	-0.06	-4.43	1.25	1.23	-0.03	-2.23
\$20,000–\$29,999	20	#	0.80	2.03	-0.05	-5.87	0.85	0.79	-0.06	-7.26
\$30,000–\$49,999	20	†	1.02	†	0.04*	4.24	0.98	1.01	0.03	2.89
\$50,000 or more	20	#	0.58	0.33	0.01	1.81	0.57	0.57	#	0.17
Race/ethnicity										
White	2,050	100	67.84	73.13	-0.21	-0.32	68.05	67.47	-0.58	-0.85
Black or African American	270	20	9.69	11.62	-0.08	-0.80	9.77	10.17	0.40	4.10
Hispanic or Latino	270	10	9.84	3.49	0.26*	2.69	9.58	9.69	0.11	1.15
Asian	200	10	7.03	9.25	-0.09	-1.27	7.12	7.09	-0.03	-0.43
All other race/ethnicities including more than one race	150	#	5.61	2.52	0.13	2.29	5.48	5.58	0.10	1.85
Gender										
Male	1,340	70	45.34	56.02	-0.43*	-0.95	45.77	45.35	-0.42	-0.93
Female	1,600	60	54.66	43.98	0.43*	0.80	54.23	54.65	0.42	0.78
Marital status at base year										
Single, divorced, or widowed	2,900	130	98.20	96.93	0.05	0.05	98.15	98.21	0.07	0.07
Married	40	#	1.74	3.07	-0.05	-3.01	1.80	1.73	-0.06	-3.60
Separated	#	†	0.06	†	#	4.24	0.06	0.06	#	-0.99
Citizen status at base year										
US citizen	2,840	120	96.07	93.77	0.09	0.10	95.98	95.98	#	-0.01
Resident alien	80	10	2.92	5.09	-0.09	-2.92	3.01	3.05	0.04	1.46
Foreign or international student	30	#	1.00	1.14	-0.01	-0.56	1.01	0.97	-0.04	-3.87

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 transcript weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-36. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, nonprofit, less-than-4-year institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	#	10	1.02	8.14	-0.78	-43.39	1.80	1.04	-0.76	-42.08
Mideast DE-DC, MD, NJ, NY, PA	60	20	15.32	36.96	-2.38	-13.45	17.70	13.55	-4.14	-23.41
Great Lakes-IL, IN, MI, OH, WI	60	#	13.59	0.63	1.42	11.71	12.16	15.28	3.12	25.63
Plains-IA, KS, MN, MO, NE, ND, SD	30	10	4.55	5.86	-0.14	-3.07	4.69	5.35	0.65	13.90
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	80	10	20.76	26.46	-0.63	-2.93	21.38	20.00	-1.38	-6.45
Southwest-AZ, NM, OK, TX	20	†	2.49	†	0.27	12.36	2.22	2.17	-0.05	-2.06
Rocky Mountains-CO, ID, MT, UT, WY	10	†	2.19	†	0.24	12.36	1.95	1.96	0.01	0.60
Far West-AK, CA, HI, NV, OR, WA	180	10	22.98	21.95	0.11	0.49	22.86	24.79	1.93	8.42
Other Jurisdictions-PR	40	†	17.11	†	1.88	12.36	15.23	15.85	0.62	4.07
CPS record available at base year										
Yes	410	50	89.72	83.84	0.65	0.73	89.07	89.27	0.20	0.22
No	60	10	10.28	16.16	-0.65	-5.92	10.93	10.73	-0.20	-1.83
Applied for federal aid										
Yes	430	50	91.86	85.33	0.72	0.79	91.14	91.41	0.26	0.29
No	50	0	8.14	14.67	-0.72	-8.11	8.86	8.59	-0.26	-2.99
Pell Grant status										
Received	290	40	66.24	78.51	-1.35	-2.00	67.59	66.88	-0.71	-1.04
Did not receive	190	10	33.76	21.49	1.35	4.16	32.41	33.12	0.71	2.18
Total Pell Grant amount received										
\$0	190	10	33.76	21.49	1.35	4.16	32.41	33.12	0.71	2.18
Up to \$2,000	70	10	14.50	21.88	-0.81	-5.30	15.31	14.02	-1.29	-8.43
\$2,001–\$3,700	100	20	24.71	32.59	-0.87	-3.39	25.57	25.58	0.01	0.04
\$3,701 or more	120	20	27.04	24.04	0.33	1.23	26.71	27.28	0.58	2.15
Stafford Loan status										
Received	270	10	45.26	18.12	2.98	7.06	42.27	43.17	0.90	2.13
Did not receive	210	40	54.74	81.88	-2.98	-5.17	57.73	56.83	-0.90	-1.56
Total Stafford Loan amount received										
\$0	210	40	54.74	81.88	-2.98	-5.17	57.73	56.83	-0.90	-1.56
Up to \$2,624	50	0	9.12	0.63	0.93	11.40	8.19	8.72	0.53	6.42
\$2,625	70	#	12.54	4.91	0.84	7.17	11.70	11.78	0.08	0.68
\$2,626 or more	160	10	23.59	12.58	1.21	5.41	22.38	22.68	0.29	1.31

See notes at end of table.

Table M-36. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, nonprofit, less-than-4-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	370	50	72.40	88.47	-1.77	-2.38	74.17	74.67	0.50	0.67
1,822–6,690	100	†	25.39	†	2.79	12.36	22.60	23.26	0.66	2.94
6,691–16,522	†	#	†	11.53	-1.27	-100.00	1.27	†	-1.27	-100.00
16,523 or more	#	†	1.74	†	0.19	12.36	1.55	1.59	0.04	2.88
Unknown	10	†	0.48	†	0.05	12.36	0.42	0.48	0.06	14.05
Age at base year										
15 to 18	190	10	37.81	6.99	3.39*	9.85	34.42	36.01	1.58	4.60
19	110	10	17.93	13.97	0.44	2.49	17.49	17.15	-0.34	-1.96
20 to 23	70	10	19.49	21.36	-0.21	-1.04	19.69	21.08	1.38	7.03
24 to 29	40	10	7.11	25.82	-2.06	-22.45	9.17	6.87	-2.29	-25.02
30+	80	20	17.66	31.86	-1.56	-8.12	19.22	18.89	-0.33	-1.73
High school graduation year										
Before 1998	100	20	22.78	54.23	-3.46	-13.18	26.24	23.82	-2.42	-9.23
1998–2002	110	10	28.03	21.28	0.74	2.72	27.29	28.95	1.66	6.09
2003–04	260	20	47.81	22.06	2.83	6.30	44.98	45.68	0.70	1.56
Did not complete high school	10	#	1.38	2.43	-0.12	-7.69	1.50	1.56	0.06	3.87
Dependency status at base year										
Dependent	300	20	60.62	31.81	3.17	5.52	57.46	58.80	1.34	2.34
Independent	180	30	39.38	68.19	-3.17	-7.45	42.54	41.20	-1.34	-3.16
Income level at base year										
Dependent										
Less than \$10,000	40	10	11.85	13.47	-0.18	-1.49	12.02	11.46	-0.56	-4.69
\$10,000–\$19,999	40	10	6.81	6.89	-0.01	-0.12	6.82	6.92	0.10	1.48
\$20,000–\$29,999	50	#	12.14	4.84	0.80	7.08	11.34	12.21	0.87	7.66
\$30,000–\$39,999	40	#	6.25	2.23	0.44	7.62	5.81	6.60	0.79	13.67
\$40,000–\$49,999	20	†	3.38	†	0.37	12.36	3.01	3.14	0.13	4.44
\$50,000–\$59,999	20	#	3.53	0.62	0.32	9.97	3.21	3.25	0.04	1.17
\$60,000–\$69,999	30	#	3.68	1.68	0.22	6.36	3.46	3.30	-0.17	-4.80
\$70,000–\$79,999	20	#	2.89	1.44	0.16	5.85	2.73	2.70	-0.03	-1.13
\$80,000–\$99,999	20	†	2.54	†	0.28	12.36	2.26	2.18	-0.08	-3.38
\$100,000 or more	20	#	7.54	0.63	0.76	11.20	6.78	7.03	0.25	3.62

See notes at end of table.

Table M-36. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, nonprofit, less-than-4-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	50	10	10.77	26.16	-1.69	-13.59	12.46	11.56	-0.90	-7.25
\$10,000–\$19,999	70	10	16.48	28.23	-1.29	-7.27	17.77	16.70	-1.07	-6.00
\$20,000–\$29,999	30	10	5.48	9.51	-0.44	-7.46	5.93	6.17	0.24	4.07
\$30,000–\$49,999	20	#	4.10	3.22	0.10	2.41	4.00	3.93	-0.08	-1.97
\$50,000 or more	10	#	2.55	1.08	0.16	6.78	2.39	2.85	0.46	19.41
Race/ethnicity										
White	200	20	40.72	21.00	2.17	5.63	38.55	38.81	0.26	0.68
Black or African American	60	20	13.17	36.56	-2.57	-16.35	15.74	13.96	-1.78	-11.32
Hispanic or Latino	130	10	35.41	27.57	0.86	2.49	34.55	36.90	2.35	6.79
Asian	30	10	3.28	9.59	-0.69	-17.44	3.97	3.03	-0.94	-23.76
All other race/ethnicities including more than one race	50	#	7.42	5.28	0.24	3.28	7.19	7.30	0.12	1.63
Gender										
Male	170	10	38.59	17.26	2.35	6.47	36.25	36.62	0.37	1.03
Female	310	40	61.41	82.74	-2.35	-3.68	63.75	63.38	-0.37	-0.59
Marital status at base year										
Single, divorced, or widowed	400	40	81.29	65.66	1.72	2.16	79.57	80.40	0.83	1.04
Married	60	10	15.48	27.05	-1.27	-7.59	16.76	15.96	-0.79	-4.73
Separated	20	#	3.23	7.29	-0.45	-12.15	3.67	3.64	-0.03	-0.94
Citizen status at base year										
US citizen	430	40	90.53	80.54	1.10	1.23	89.43	88.83	-0.60	-0.68
Resident alien	40	10	8.78	19.46	-1.17	-11.80	9.95	10.58	0.62	6.25
Foreign or international student	10	†	0.69	†	0.08	12.36	0.61	0.59	-0.02	-2.85

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 transcript weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-37. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, nonprofit, 4-year, non-doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	210	10	8.62	6.26	0.07	0.86	8.55	8.71	0.16	1.83
Mideast DE-DC, MD, NJ, NY, PA	350	†	16.21	†	0.51	3.22	15.71	15.72	0.01	0.08
Great Lakes-IL, IN, MI, OH, WI	420	10	20.40	10.44	0.31	1.54	20.09	21.36	1.27	6.34
Plains-IA, KS, MN, MO, NE, ND, SD	470	20	17.79	22.99	-0.16	-0.90	17.95	17.99	0.03	0.18
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	440	30	21.10	55.41	-1.07	-4.82	22.17	20.73	-1.44	-6.49
Southwest-AZ, NM, OK, TX	60	†	2.27	†	0.07	3.22	2.19	2.19	-0.01	-0.29
Rocky Mountains-CO, ID, MT, UT, WY	40	†	2.12	†	0.07	3.22	2.06	2.04	-0.01	-0.66
Far West-AK, CA, HI, NV, OR, WA	190	#	7.39	4.89	0.08	1.06	7.31	7.38	0.07	0.95
Other Jurisdictions-PR	40	†	4.10	†	0.13	3.22	3.97	3.89	-0.09	-2.15
CPS record available at base year										
Yes	1,840	60	81.70	81.30	0.01	0.02	81.68	81.56	-0.13	-0.16
No	370	10	18.30	18.70	-0.01	-0.07	18.32	18.44	0.13	0.70
Applied for federal aid										
Yes	1,900	60	83.90	89.22	-0.17	-0.20	84.06	83.72	-0.35	-0.41
No	310	10	16.10	10.78	0.17	1.04	15.94	16.28	0.35	2.17
Pell Grant status										
Received	650	20	32.79	23.03	0.30	0.94	32.49	32.73	0.25	0.76
Did not receive	1,560	50	67.21	76.97	-0.30	-0.45	67.51	67.27	-0.25	-0.36
Total Pell Grant amount received										
\$0	1,560	50	67.21	76.97	-0.30	-0.45	67.51	67.27	-0.25	-0.36
Up to \$2,000	220	10	12.45	8.08	0.14	1.11	12.32	12.69	0.37	2.98
\$2,001–\$3,700	210	10	10.44	13.47	-0.09	-0.89	10.54	10.31	-0.22	-2.13
\$3,701 or more	220	0	9.90	1.47	0.26	2.72	9.63	9.74	0.10	1.07
Stafford Loan status										
Received	1,340	50	56.88	69.57	-0.40	-0.69	57.27	56.80	-0.47	-0.82
Did not receive	870	30	43.12	30.43	0.40	0.93	42.73	43.20	0.47	1.10
Total Stafford Loan amount received										
\$0	870	30	43.12	30.43	0.40	0.93	42.73	43.20	0.47	1.10
Up to \$2,624	150	10	5.52	8.26	-0.09	-1.53	5.60	5.46	-0.15	-2.65
\$2,625	970	30	38.16	37.02	0.04	0.09	38.13	37.68	-0.45	-1.17
\$2,626 or more	230	10	13.19	24.28	-0.35	-2.55	13.54	13.66	0.13	0.93

See notes at end of table.

Table M-37. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, nonprofit, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	990	60	39.63	67.48	-0.87	-2.14	40.50	39.34	-1.16	-2.87
1,822–6,690	1,100	#	51.16	3.36	1.49*	3.00	49.67	51.35	1.68	3.39
6,691–16,522	90	†	6.08	†	0.19	3.22	5.89	6.18	0.29	4.91
16,523 or more	30	†	2.99	†	0.09	3.22	2.89	2.99	0.10	3.32
Unknown	#	10	0.14	29.16	-0.90	-86.42	1.05	0.14	-0.90	-86.47
Age at base year										
15 to 18	1,230	40	53.27	37.68	0.49	0.92	52.78	52.54	-0.25	-0.47
19	730	20	29.86	22.75	0.22	0.75	29.63	29.48	-0.16	-0.53
20 to 23	110	10	6.52	12.50	-0.19	-2.78	6.71	6.65	-0.05	-0.81
24 to 29	50	#	4.22	1.60	0.08	1.97	4.14	4.49	0.35	8.50
30+	80	10	6.14	25.47	-0.60	-8.93	6.74	6.85	0.10	1.55
High school graduation year										
Before 1998	120	10	9.50	24.95	-0.48	-4.82	9.98	10.49	0.51	5.11
1998–2002	160	10	9.60	7.62	0.06	0.65	9.54	9.74	0.20	2.13
2003–04	1,930	60	80.87	67.43	0.42	0.52	80.45	79.74	-0.71	-0.89
Did not complete high school	#	†	0.03	†	#	3.22	0.03	0.03	#	-1.74
Dependency status at base year										
Dependent	2,020	60	86.26	70.13	0.50	0.59	85.76	85.21	-0.55	-0.64
Independent	190	10	13.74	29.87	-0.50	-3.53	14.24	14.79	0.55	3.83
Income level at base year										
Dependent										
Less than \$10,000	80	#	3.77	2.60	0.04	0.97	3.73	3.67	-0.06	-1.70
\$10,000–\$19,999	110	#	5.18	0.25	0.15	3.06	5.03	5.05	0.02	0.37
\$20,000–\$29,999	170	10	6.62	9.06	-0.08	-1.13	6.70	6.58	-0.12	-1.83
\$30,000–\$39,999	180	10	8.67	9.96	-0.04	-0.46	8.71	8.40	-0.31	-3.61
\$40,000–\$49,999	170	10	8.48	7.83	0.02	0.24	8.46	8.27	-0.19	-2.21
\$50,000–\$59,999	160	10	6.42	3.06	0.10	1.66	6.32	6.51	0.19	3.07
\$60,000–\$69,999	180	10	7.29	6.72	0.02	0.25	7.27	7.27	-0.01	-0.09
\$70,000–\$79,999	170	10	6.12	9.99	-0.12	-1.93	6.24	6.13	-0.12	-1.91
\$80,000–\$99,999	310	10	12.90	2.88	0.31	2.48	12.59	12.80	0.21	1.67
\$100,000 or more	500	20	20.79	17.79	0.09	0.45	20.70	20.54	-0.16	-0.75

See notes at end of table.

Table M-37. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, nonprofit, 4-year, non-doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	30	#	1.33	0.82	0.02	1.22	1.32	1.60	0.28	21.11
\$10,000–\$19,999	70	#	4.74	3.62	0.03	0.74	4.70	4.91	0.21	4.39
\$20,000–\$29,999	30	#	2.08	1.72	0.01	0.54	2.07	2.22	0.15	7.30
\$30,000–\$49,999	30	10	2.65	11.25	-0.27	-9.16	2.92	2.84	-0.08	-2.77
\$50,000 or more	40	#	2.94	12.47	-0.30	-9.17	3.24	3.23	-0.01	-0.26
Race/ethnicity										
White	1,680	50	70.63	68.63	0.06	0.09	70.56	71.02	0.46	0.65
Black or African American	220	10	13.56	16.85	-0.10	-0.75	13.67	13.35	-0.32	-2.31
Hispanic or Latino	150	10	9.72	10.30	-0.02	-0.19	9.74	9.60	-0.13	-1.34
Asian	70	†	2.73	†	0.09*	3.22	2.64	2.72	0.07	2.71
All other race/ethnicities including more than one race	90	10	3.36	4.21	-0.03	-0.78	3.39	3.31	-0.08	-2.39
Gender										
Male	940	30	43.98	34.14	0.31	0.70	43.68	44.41	0.73	1.67
Female	1,270	50	56.02	65.86	-0.31	-0.54	56.32	55.59	-0.73	-1.30
Marital status at base year										
Single, divorced, or widowed	2,140	70	94.63	79.60	0.47	0.50	94.17	94.06	-0.10	-0.11
Married	60	10	4.16	20.40	-0.51	-10.83	4.67	4.64	-0.03	-0.60
Separated	10	†	1.20	†	0.04	3.22	1.16	1.29	0.13	11.12
Citizen status at base year										
US citizen	2,130	70	95.77	89.88	0.18	0.19	95.58	95.82	0.23	0.24
Resident alien	40	#	2.16	10.12	-0.25	-10.30	2.41	2.11	-0.30	-12.51
Foreign or international student	40	†	2.07	†	0.06	3.22	2.01	2.08	0.07	3.50

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 transcript weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-38. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, nonprofit, 4-year, doctorate-granting institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	320	10	28.49	6.24	1.09*	3.97	27.40	27.97	0.57	2.08
Mideast DE-DC, MD, NJ, NY, PA	420	40	28.03	30.92	-0.14	-0.50	28.18	27.97	-0.20	-0.71
Great Lakes-IL, IN, MI, OH, WI	150	20	9.45	33.02	-1.15*	-10.87	10.60	9.20	-1.40*	-13.21
Plains-IA, KS, MN, MO, NE, ND, SD	50	†	2.39	†	0.12*	5.14	2.27	3.23	0.96	42.10
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	160	10	10.86	6.66	0.21	1.93	10.66	10.84	0.19	1.74
Southwest-AZ, NM, OK, TX	100	†	4.66	†	0.23*	5.14	4.43	4.58	0.15	3.31
Rocky Mountains-CO, ID, MT, UT, WY	60	†	4.35	†	0.21*	5.14	4.14	4.23	0.09	2.25
Far West-AK, CA, HI, NV, OR, WA	150	10	10.66	23.16	-0.61	-5.42	11.27	10.88	-0.39	-3.46
Other Jurisdictions-PR	30	†	1.11	†	0.05	5.14	1.05	1.09	0.04	3.64
CPS record available at base year										
Yes	1,050	50	72.20	57.52	0.72*	1.00	71.48	71.62	0.14	0.19
No	390	30	27.80	42.48	-0.72*	-2.51	28.52	28.38	-0.14	-0.48
Applied for federal aid										
Yes	1,110	60	76.28	64.42	0.58	0.77	75.70	75.70	0.00	0.00
No	330	30	23.72	35.58	-0.58	-2.39	24.30	24.30	0.00	0.02
Pell Grant status										
Received	330	20	21.43	17.99	0.17	0.79	21.26	21.19	-0.07	-0.33
Did not receive	1,110	70	78.57	82.01	-0.17	-0.21	78.74	78.81	0.07	0.09
Total Pell Grant amount received										
\$0	1,110	70	78.57	82.01	-0.17	-0.21	78.74	78.81	0.07	0.09
Up to \$2,000	120	10	7.50	6.25	0.06	0.82	7.44	7.34	-0.10	-1.35
\$2,001–\$3,700	90	#	5.94	4.31	0.08	1.36	5.86	5.82	-0.03	-0.59
\$3,701 or more	120	10	7.99	7.44	0.03	0.34	7.96	8.03	0.06	0.80
Stafford Loan status										
Received	700	30	49.12	36.69	0.61	1.25	48.52	48.62	0.11	0.22
Did not receive	740	50	50.88	63.31	-0.61	-1.18	51.48	51.38	-0.11	-0.20
Total Stafford Loan amount received										
\$0	740	50	50.88	63.31	-0.61	-1.18	51.48	51.38	-0.11	-0.20
Up to \$2,624	60	0	3.39	2.35	0.05	1.52	3.34	3.27	-0.06	-1.87
\$2,625	550	20	37.67	21.03	0.81*	2.21	36.86	37.08	0.22	0.58
\$2,626 or more	90	10	8.06	13.32	-0.26	-3.09	8.32	8.27	-0.05	-0.58

See notes at end of table.

Table M-38. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, nonprofit, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	100	10	6.74	3.44	0.16	2.45	6.58	6.94	0.35	5.35
1,822–6,690	590	30	39.96	33.29	0.33	0.82	39.64	39.67	0.03	0.07
6,691–16,522	510	40	36.68	60.73	-1.18*	-3.10	37.85	37.29	-0.56	-1.48
16,523 or more	240	#	16.53	2.54	0.68*	4.31	15.84	16.02	0.17	1.09
Unknown	#	†	0.09	†	#	5.14	0.08	0.09	0.01	7.77
Age at base year										
15 to 18	980	50	67.83	68.41	-0.03	-0.04	67.86	67.88	0.02	0.02
19	400	20	27.66	26.02	0.08	0.29	27.58	27.75	0.17	0.63
20 to 23	40	10	3.51	4.07	-0.03	-0.78	3.54	3.38	-0.15	-4.31
24 to 29	10	#	0.32	0.07	0.01	3.96	0.31	0.33	0.02	8.09
30+	10	10	0.68	1.43	-0.04	-5.15	0.72	0.65	-0.06	-8.49
High school graduation year										
Before 1998	20	10	1.10	1.35	-0.01	-1.06	1.11	1.09	-0.02	-1.80
1998–2002	50	#	4.86	1.24	0.18*	3.78	4.68	4.74	0.06	1.26
2003–04	1,370	70	93.31	97.26	-0.19*	-0.21	93.50	93.47	-0.03	-0.03
Did not complete high school	#	#	0.73	0.16	0.03	3.98	0.70	0.69	-0.01	-1.06
Dependency status at base year										
Dependent	1,410	70	98.37	94.22	0.20	0.21	98.17	98.37	0.20	0.20
Independent	30	10	1.63	5.78	-0.20	-11.10	1.83	1.63	-0.20	-10.66
Income level at base year										
Dependent										
Less than \$10,000	40	#	2.87	1.74	0.06	1.96	2.82	2.90	0.09	3.13
\$10,000–\$19,999	80	10	5.35	5.82	-0.02	-0.42	5.37	5.29	-0.09	-1.61
\$20,000–\$29,999	100	10	6.82	9.95	-0.15	-2.20	6.97	6.82	-0.15	-2.22
\$30,000–\$39,999	120	10	8.55	5.80	0.13	1.60	8.42	8.45	0.03	0.39
\$40,000–\$49,999	110	10	8.29	5.65	0.13	1.58	8.16	8.12	-0.04	-0.49
\$50,000–\$59,999	90	10	5.91	7.06	-0.06	-0.94	5.96	5.79	-0.17	-2.92
\$60,000–\$69,999	120	10	8.82	6.70	0.10	1.19	8.71	9.01	0.30	3.39
\$70,000–\$79,999	80	#	5.13	2.56	0.13	2.51	5.00	5.14	0.13	2.69
\$80,000–\$99,999	190	10	12.22	11.51	0.03	0.28	12.19	12.33	0.14	1.18
\$100,000 or more	500	30	34.41	37.44	-0.15	-0.43	34.56	34.52	-0.04	-0.13

See notes at end of table.

Table M-38. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, nonprofit, 4-year, doctorate-granting institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	10	†	0.62	†	0.03	5.14	0.59	0.64	0.05	8.30
\$10,000–\$19,999	10	#	0.28	1.57	-0.06	-18.44	0.34	0.26	-0.08	-23.57
\$20,000–\$29,999	#	#	0.15	0.33	-0.01	-5.75	0.16	0.14	-0.02	-9.57
\$30,000–\$49,999	#	#	0.28	2.72	-0.12	-29.94	0.40	0.29	-0.11	-26.38
\$50,000 or more	10	#	0.30	1.16	-0.04	-12.36	0.34	0.30	-0.04	-12.80
Race/ethnicity										
White	980	60	67.39	78.51	-0.54*	-0.80	67.93	67.13	-0.81	-1.19
Black or African American	110	10	8.86	5.15	0.18	2.09	8.68	9.00	0.32	3.74
Hispanic or Latino	150	10	10.26	5.86	0.21	2.14	10.04	10.10	0.06	0.61
Asian	130	10	9.14	10.28	-0.06	-0.61	9.20	9.49	0.29	3.14
All other race/ethnicities including more than one race	70	#	4.35	0.20	0.20*	4.89	4.15	4.28	0.13	3.15
Gender										
Male	600	30	42.96	39.21	0.18	0.43	42.78	43.10	0.32	0.74
Female	840	50	57.04	60.79	-0.18	-0.32	57.22	56.90	-0.32	-0.55
Marital status at base year										
Single, divorced, or widowed	1,430	80	99.52	99.53	#	#	99.52	99.51	-0.01	-0.01
Married	10	10	0.35	0.47	-0.01	-1.63	0.36	0.36	#	1.35
Separated	#	†	0.13	†	0.01	5.14	0.12	0.13	#	1.34
Citizen status at base year										
US citizen	1,370	80	93.64	93.52	0.01	0.01	93.63	93.55	-0.09	-0.09
Resident alien	30	#	2.78	3.50	-0.04	-1.25	2.81	2.85	0.04	1.41
Foreign or international student	40	#	3.58	2.98	0.03	0.83	3.55	3.60	0.05	1.38

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 transcript weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-39. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, for-profit, less-than-2-year institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	80	30	5.20	5.19	#	0.07	5.20	5.58	0.38	7.25
Mideast DE-DC, MD, NJ, NY, PA	90	170	9.49	34.61	-6.53*	-40.76	16.02	12.27	-3.75*	-23.39
Great Lakes-IL, IN, MI, OH, WI	160	20	18.93	8.28	2.77*	17.12	16.17	19.27	3.10*	19.21
Plains-IA, KS, MN, MO, NE, ND, SD	40	20	2.87	4.64	-0.46	-13.77	3.33	3.38	0.05	1.55
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	170	50	14.72	8.85	1.52*	11.56	13.19	12.93	-0.26	-2.00
Southwest-AZ, NM, OK, TX	270	40	32.31	20.23	3.14*	10.77	29.17	29.85	0.68	2.33
Rocky Mountains-CO, ID, MT, UT, WY	20	10	0.52	1.36	-0.22*	-29.65	0.74	0.40	-0.34*	-46.21
Far West-AK, CA, HI, NV, OR, WA	180	50	10.54	16.53	-1.56	-12.86	12.10	12.09	-0.01	-0.10
Other Jurisdictions-PR	70	#	5.41	0.31	1.33*	32.47	4.08	4.23	0.15	3.68
CPS record available at base year										
Yes	990	350	94.99	96.49	-0.39	-0.41	95.38	94.39	-0.99*	-1.04
No	90	30	5.01	3.51	0.39	8.41	4.62	5.61	0.99*	21.47
Applied for federal aid										
Yes	1,010	350	97.15	97.02	0.03	0.03	97.12	97.00	-0.12	-0.12
No	60	20	2.85	2.98	-0.03	-1.12	2.88	3.00	0.12	4.09
Pell Grant status										
Received	800	290	91.21	92.80	-0.41	-0.45	91.62	90.38	-1.24*	-1.35
Did not receive	270	90	8.79	7.20	0.41	4.93	8.38	9.62	1.24*	14.80
Total Pell Grant amount received										
\$0	270	90	8.79	7.20	0.41	4.93	8.38	9.62	1.24*	14.80
Up to \$2,000	180	60	20.13	18.85	0.33	1.67	19.79	19.92	0.12	0.61
\$2,001–\$3,700	300	100	35.83	35.79	0.01	0.02	35.82	35.67	-0.14	-0.40
\$3,701 or more	330	130	35.26	38.15	-0.75	-2.09	36.01	34.79	-1.22	-3.38
Stafford Loan status										
Received	750	260	73.05	76.48	-0.89	-1.21	73.94	72.57	-1.37*	-1.86
Did not receive	330	110	26.95	23.52	0.89	3.42	26.06	27.43	1.37*	5.27
Total Stafford Loan amount received										
\$0	330	110	26.95	23.52	0.89	3.42	26.06	27.43	1.37*	5.27
Up to \$2,624	120	30	15.83	19.53	-0.96	-5.73	16.79	16.31	-0.48	-2.84
\$2,625	120	30	11.48	10.50	0.25	2.27	11.22	12.25	1.03	9.15
\$2,626 or more	500	210	45.74	46.45	-0.18	-0.40	45.93	44.00	-1.92	-4.19

See notes at end of table.

Table M-39. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, for-profit, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	1,000	360	96.52	96.76	-0.06	-0.06	96.58	96.40	-0.19	-0.19
1,822–6,690	30	10	1.79	2.44	-0.17	-8.59	1.96	2.19	0.23	11.55
6,691–16,522	10	†	0.49	†	0.13*	35.13	0.36	0.47	0.11	31.60
16,523 or more	10	†	0.73	†	0.19*	35.13	0.54	0.57	0.03	6.10
Unknown	30	#	0.47	0.81	-0.09	-15.61	0.56	0.37	-0.19	-33.70
Age at base year										
15 to 18	230	50	22.55	16.17	1.66*	7.94	20.89	21.51	0.62	2.96
19	180	50	15.27	14.67	0.15	1.02	15.11	14.78	-0.33	-2.18
20 to 23	240	90	23.04	30.14	-1.85*	-7.41	24.89	24.04	-0.85	-3.43
24 to 29	210	70	20.09	15.83	1.11	5.84	18.98	19.62	0.63	3.33
30+	220	110	19.05	23.19	-1.08	-5.34	20.13	20.06	-0.07	-0.34
High school graduation year										
Before 1998	340	150	29.05	29.47	-0.11	-0.37	29.16	29.37	0.21	0.72
1998–2002	330	110	30.60	33.95	-0.87	-2.77	31.47	30.73	-0.74	-2.35
2003–04	360	90	36.16	29.21	1.81	5.26	34.35	35.57	1.21	3.53
Did not complete high school	50	30	4.19	7.37	-0.83	-16.45	5.02	4.33	-0.68	-13.59
Dependency status at base year										
Dependent	440	120	39.81	40.58	-0.20	-0.50	40.01	38.53	-1.48	-3.70
Independent	640	260	60.19	59.42	0.20	0.33	59.99	61.47	1.48	2.47
Income level at base year										
Dependent										
Less than \$10,000	70	20	7.11	6.32	0.21	2.99	6.91	6.43	-0.48	-6.88
\$10,000–\$19,999	100	30	9.38	9.37	#	0.04	9.38	8.33	-1.05	-11.22
\$20,000–\$29,999	90	20	9.84	10.33	-0.13	-1.27	9.97	11.11	1.14	11.39
\$30,000–\$39,999	60	10	6.67	8.72	-0.53	-7.39	7.20	6.11	-1.09	-15.17
\$40,000–\$49,999	30	10	2.45	2.44	#	0.11	2.45	2.29	-0.16	-6.69
\$50,000–\$59,999	30	10	1.15	2.36	-0.31	-21.54	1.46	1.08	-0.38	-26.30
\$60,000–\$69,999	20	#	0.65	0.03	0.16*	32.72	0.49	0.79	0.30*	61.68
\$70,000–\$79,999	10	10	0.40	0.13	0.07*	21.65	0.33	0.38	0.05	14.21
\$80,000–\$99,999	20	10	0.67	0.33	0.09	15.14	0.58	0.68	0.10	17.21
\$100,000 or more	30	10	1.48	0.54	0.24	19.62	1.23	1.33	0.10	8.25

See notes at end of table.

Table M-39. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, for-profit, less-than-2-year institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	160	50	15.42	12.65	0.72	4.91	14.70	15.72	1.02	6.94
\$10,000–\$19,999	290	120	30.99	31.82	-0.22	-0.69	31.21	31.49	0.29	0.93
\$20,000–\$29,999	90	50	8.50	8.54	-0.01	-0.11	8.51	8.30	-0.21	-2.41
\$30,000–\$49,999	60	20	4.57	4.91	-0.09	-1.92	4.66	5.14	0.48	10.38
\$50,000 or more	30	20	0.70	1.51	-0.21	-22.87	0.91	0.81	-0.11	-11.60
Race/ethnicity										
White	390	120	32.62	25.93	1.74	5.63	30.88	32.85	1.97	6.37
Black or African American	230	120	24.43	30.61	-1.61	-6.17	26.04	23.37	-2.67*	-10.24
Hispanic or Latino	360	110	36.14	37.42	-0.33	-0.91	36.47	36.56	0.09	0.24
Asian	30	10	2.42	1.46	0.25	11.54	2.17	2.91	0.74	34.05
All other race/ethnicities including more than one race	50	20	4.39	4.58	-0.05	-1.13	4.44	4.31	-0.13	-2.90
Gender										
Male	230	100	21.79	26.20	-1.15	-4.99	22.94	21.39	-1.55	-6.74
Female	850	270	78.21	73.80	1.15	1.49	77.06	78.61	1.55	2.01
Marital status at base year										
Single, divorced, or widowed	820	280	77.87	75.56	0.60	0.78	77.27	77.36	0.09	0.12
Married	190	80	14.61	19.23	-1.20	-7.60	15.81	15.43	-0.38	-2.42
Separated	70	20	7.52	5.21	0.60	8.67	6.92	7.21	0.29	4.23
Citizen status at base year										
US citizen	980	350	92.04	91.72	0.08	0.09	91.95	90.99	-0.96	-1.04
Resident alien	90	30	7.80	8.26	-0.12	-1.50	7.92	8.83	0.91	11.54
Foreign or international student	10	#	0.17	0.02	0.04*	29.27	0.13	0.18	0.05	36.57

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 transcript weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-40. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, for-profit, 2 years or more institutions: 2009

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Bureau of Economic Analysis Code (OBE) region										
New England-CT, ME, MA, NH, RI, VT	40	†	2.35	†	0.24	11.43	2.11	2.44	0.33	15.81
Mideast DE-DC, MD, NJ, NY, PA	140	†	15.75	†	1.62	11.43	14.14	14.51	0.37	2.65
Great Lakes-IL, IN, MI, OH, WI	110	40	11.74	39.96	-2.89	-19.77	14.64	12.14	-2.49	-17.04
Plains-IA, KS, MN, MO, NE, ND, SD	20	†	1.46	†	0.15	11.43	1.31	1.40	0.09	6.60
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	320	40	35.86	34.04	0.19	0.52	35.67	37.12	1.44	4.04
Southwest-AZ, NM, OK, TX	120	†	10.00	†	1.03	11.43	8.98	9.11	0.13	1.44
Rocky Mountains-CO, ID, MT, UT, WY	90	20	6.38	7.52	-0.12	-1.79	6.50	6.75	0.25	3.91
Far West-AK, CA, HI, NV, OR, WA	190	20	15.49	18.48	-0.31	-1.94	15.80	15.68	-0.12	-0.75
Other Jurisdictions-PR	10	†	0.95	†	0.10	11.43	0.86	0.85	-0.01	-0.97
CPS record available at base year										
Yes	960	100	93.53	89.36	0.43	0.46	93.10	93.77	0.67	0.72
No	70	20	6.47	10.64	-0.43	-6.20	6.90	6.23	-0.67	-9.69
Applied for federal aid										
Yes	980	110	95.46	95.24	0.02	0.02	95.44	95.64	0.20	0.21
No	50	10	4.54	4.76	-0.02	-0.48	4.56	4.36	-0.20	-4.48
Pell Grant status										
Received	640	60	69.22	66.80	0.25	0.36	68.97	69.31	0.34	0.50
Did not receive	390	50	30.78	33.20	-0.25	-0.80	31.03	30.69	-0.34	-1.11
Total Pell Grant amount received										
\$0	390	50	30.78	33.20	-0.25	-0.80	31.03	30.69	-0.34	-1.11
Up to \$2,000	220	30	22.38	30.20	-0.80	-3.46	23.18	23.09	-0.09	-0.40
\$2,001–\$3,700	220	20	26.22	18.14	0.83	3.27	25.40	26.57	1.17	4.62
\$3,701 or more	190	20	20.61	18.46	0.22	1.08	20.39	19.66	-0.74	-3.62
Stafford Loan status										
Received	830	90	83.97	85.89	-0.20	-0.23	84.16	84.30	0.14	0.16
Did not receive	210	20	16.03	14.11	0.20	1.24	15.84	15.70	-0.14	-0.87
Total Stafford Loan amount received										
\$0	210	20	16.03	14.11	0.20	1.24	15.84	15.70	-0.14	-0.87
Up to \$2,624	120	10	12.48	12.46	0.00	0.01	12.47	12.90	0.42	3.39
\$2,625	90	10	10.23	8.68	0.16	1.58	10.07	10.31	0.25	2.46
\$2,626 or more	610	70	61.26	64.75	-0.36	-0.58	61.62	61.09	-0.53	-0.86

See notes at end of table.

Table M-40. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, for-profit, 2 years or more institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Institution undergraduate enrollment										
0–1,821	730	70	68.49	64.66	0.39	0.58	68.10	68.95	0.85	1.25
1,822–6,690	240	40	25.29	29.68	-0.45	-1.75	25.74	24.77	-0.96	-3.75
6,691–16,522	30	†	2.40	†	0.25	11.43	2.15	2.45	0.30	13.88
16,523 or more	10	#	2.11	0.57	0.16	8.10	1.95	2.00	0.05	2.39
Unknown	20	#	1.71	5.09	-0.35	-16.88	2.05	1.82	-0.23	-11.22
Age at base year										
15 to 18	250	40	23.96	34.41	-1.07	-4.28	25.03	23.97	-1.06	-4.24
19	170	20	15.92	19.13	-0.33	-2.03	16.25	16.03	-0.22	-1.33
20 to 23	240	20	22.72	20.78	0.20	0.88	22.52	22.92	0.41	1.80
24 to 29	180	20	16.80	18.13	-0.14	-0.81	16.93	16.06	-0.87	-5.16
30+	200	10	20.61	7.54	1.34	6.96	19.27	21.02	1.75*	9.06
High school graduation year										
Before 1998	320	30	31.54	18.47	1.34	4.44	30.20	31.53	1.33	4.41
1998–2002	280	30	27.20	30.43	-0.33	-1.20	27.53	27.12	-0.41	-1.51
2003–04	420	60	39.20	50.11	-1.12	-2.77	40.32	39.40	-0.92	-2.27
Did not complete high school	20	#	2.06	0.99	0.11	5.59	1.95	1.95	#	-0.07
Dependency status at base year										
Dependent	500	60	45.34	57.64	-1.26	-2.71	46.60	45.65	-0.95	-2.03
Independent	540	50	54.66	42.36	1.26	2.36	53.40	54.35	0.95	1.78
Income level at base year										
Dependent										
Less than \$10,000	40	10	3.67	3.18	0.05	1.37	3.62	3.64	0.02	0.69
\$10,000–\$19,999	80	#	8.30	1.21	0.73*	9.60	7.57	7.98	0.41	5.47
\$20,000–\$29,999	90	10	8.62	14.90	-0.64	-6.95	9.27	8.99	-0.27	-2.96
\$30,000–\$39,999	60	10	5.08	9.44	-0.45	-8.08	5.53	5.16	-0.37	-6.72
\$40,000–\$49,999	60	10	5.54	2.99	0.26	4.96	5.28	5.48	0.20	3.83
\$50,000–\$59,999	40	10	3.49	12.78	-0.95	-21.44	4.44	3.95	-0.50	-11.20
\$60,000–\$69,999	30	10	2.41	5.23	-0.29	-10.73	2.70	2.39	-0.30	-11.29
\$70,000–\$79,999	30	#	2.71	2.01	0.07	2.69	2.64	2.69	0.05	1.98
\$80,000–\$99,999	40	#	2.47	1.99	0.05	2.06	2.42	2.38	-0.04	-1.70
\$100,000 or more	50	10	3.05	3.91	-0.09	-2.81	3.13	2.98	-0.15	-4.84

See notes at end of table.

Table M-40. Student nonresponse bias before and after weight adjustment for BPS:04/09 transcript nonresponse, by select variables for students in private, for-profit, 2 years or more institutions: 2009—Continued

Variable	Before nonresponse adjustment						After nonresponse adjustment			
	Unweighted transcript respondents	Unweighted transcript non-respondents	Respondent percent ¹	Non-respondent percent ¹	Estimated bias	Percent relative bias	Overall percent before adjustment ¹	Overall percent after adjustment ²	Estimated bias	Percent relative bias
Independent										
Less than \$10,000	110	10	11.52	2.80	0.89*	8.42	10.63	11.15	0.52	4.94
\$10,000–\$19,999	200	30	21.56	24.62	-0.31	-1.44	21.87	21.03	-0.84	-3.84
\$20,000–\$29,999	100	10	10.34	8.61	0.18	1.74	10.16	10.60	0.44	4.28
\$30,000–\$49,999	80	10	6.12	5.10	0.10	1.74	6.01	6.31	0.29	4.87
\$50,000 or more	50	#	5.12	1.22	0.40	8.47	4.72	5.26	0.54	11.34
Race/ethnicity										
White	520	60	50.91	44.95	0.61	1.21	50.30	50.61	0.31	0.62
Black or African American	220	30	21.68	26.20	-0.46	-2.10	22.14	22.34	0.20	0.89
Hispanic or Latino	200	20	17.52	24.08	-0.67	-3.70	18.19	17.42	-0.77	-4.21
Asian	30	#	1.84	0.94	0.09	5.26	1.75	2.01	0.26	15.00
All other race/ethnicities including more than one race	70	10	8.05	3.82	0.43	5.70	7.62	7.61	-0.01	-0.07
Gender										
Male	480	60	45.69	44.16	0.16	0.35	45.53	45.76	0.23	0.50
Female	550	60	54.31	55.84	-0.16	-0.29	54.47	54.24	-0.23	-0.42
Marital status at base year										
Single, divorced, or widowed	830	100	79.57	85.37	-0.60	-0.74	80.16	79.16	-1.01	-1.25
Married	170	10	16.33	9.80	0.67	4.28	15.66	16.57	0.91	5.79
Separated	40	#	4.10	4.82	-0.07	-1.78	4.17	4.27	0.10	2.36
Citizen status at base year										
US citizen	960	110	92.20	98.50	-0.65	-0.69	92.85	92.23	-0.62	-0.66
Resident alien	70	#	7.73	1.50	0.64	9.00	7.09	7.70	0.61	8.64
Foreign or international student	#	†	0.07	†	0.01	11.43	0.06	0.06	#	7.05

† Not applicable.

Rounds to zero.

* $p < .05$.¹ Weighted using the BPS:04/06 analysis weight.² Weighted using the BPS:04/09 transcript weight.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-41. Nonresponse bias analysis for the item GPA09 (estimate of GPA), BPS:04/09: 2009

Variable	Number eligible to respond to item			Percent distributions			Estimated bias	Relative bias
	Total	Respondents	Non-respondents	Total eligible to respond	Respondents	Non-respondents		
Institution type								
Public								
Less-than-2-year	120	90	30	0.55	0.50	0.75	-0.05	-8.95
2-year	3,640	2,850	790	40.21	37.93	49.68	-2.28*	-5.68
4-year non-doctorate-granting	1,310	1,120	190	11.60	11.93	10.21	0.33	2.88
4-year doctorate-granting	2,670	2,360	310	21.38	23.11	14.22	1.73*	8.07
Private nonprofit								
Less-than-4-year	230	170	60	0.75	0.72	0.87	-0.03	-3.70
4-year non-doctorate-granting	1,890	1,650	240	11.02	11.56	8.80	0.54*	4.86
4-year doctorate-granting	1,370	1,210	160	6.72	7.21	4.66	0.50*	7.37
Private for-profit								
Less-than-2-year	350	260	90	3.06	2.64	4.82	-0.42*	-13.81
2 years or more	390	280	110	4.71	4.40	5.99	-0.31	-6.58
Bureau of Economic Analysis Code (OBE) region								
New England-CT, ME, MA, NH, RI, VT	910	780	140	6.30	6.49	5.55	0.18	2.89
Mideast DE-DC, MD, NJ, NY, PA	1,890	1,580	310	13.56	13.89	12.18	0.33	2.45
Great Lakes-IL, IN, MI, OH, WI	2,050	1,680	370	18.20	18.06	18.78	-0.14	-0.78
Plains-IA, KS, MN, MO, NE, ND, SD	1,300	1,140	170	7.19	7.54	5.76	0.34*	4.79
Southeast-AL, AR, FL, GA, KY, LA, MS, NC, SC, TN, VA, WV	2,620	2,170	450	22.23	22.46	21.27	0.23	1.04
Southwest-AZ, NM, OK, TX	1,220	980	240	12.29	11.74	14.56	-0.55*	-4.46
Rocky Mountains-CO, ID, MT, UT, WY	380	340	40	3.66	3.95	2.48	0.29*	7.79
Far West-AK, CA, HI, NV, OR, WA	1,450	1,170	280	15.44	14.59	18.97	-0.85*	-5.51
Other Jurisdictions-PR	160	150	10	1.13	1.30	0.44	0.17*	14.73
CPS record available at base year								
Yes	8,790	7,370	1,410	67.78	68.43	65.07	0.65	0.96
No	3,190	2,620	580	32.22	31.57	34.93	-0.65	-2.03
Applied for federal aid								
Yes	9,260	7,760	1,500	72.11	72.61	70.06	0.49	0.68
No	2,720	2,230	490	27.89	27.39	29.94	-0.49	-1.77
Pell Grant status								
Received	3,850	3,070	790	30.99	29.84	35.74	-1.14*	-3.69
Did not receive	8,120	6,920	1,200	69.01	70.16	64.26	1.14*	1.66
Total Pell Grant amount received								
\$0	8,120	6,920	1,200	69.01	70.16	64.26	1.14*	1.66
Up to \$2,000	1,280	1,030	250	11.61	11.38	12.58	-0.23	-2.01
\$2,001–\$3,700	1,300	1,010	290	10.46	9.85	13.01	-0.61*	-5.85
\$3,701 or more	1,270	1,030	240	8.91	8.61	10.15	-0.30	-3.35

See notes at end of table.

Table M-41. Nonresponse bias analysis for the item GPA09 (estimate of GPA), BPS:04/09: 2009—Continued

Variable	Number eligible to respond to item			Percent distributions			Estimated bias	Relative bias
	Total	Respondents	Non-respondents	Total eligible to respond	Respondents	Non-respondents		
Stafford Loan status								
Received	4,790	4,030	760	33.58	34.12	31.34	0.54	1.61
Did not receive	7,190	5,960	1,230	66.42	65.88	68.66	-0.54	-0.81
Total Stafford Loan amount received								
\$0	7,190	5,960	1,230	66.42	65.88	68.66	-0.54	-0.81
Up to \$2,624	770	650	120	6.07	6.10	5.96	0.03	0.44
\$2,625	2,980	2,600	380	18.93	20.22	13.58	1.29*	6.81
\$2,626 or more	1,040	780	260	8.58	7.80	11.80	-0.78*	-9.04
Institution undergraduate enrollment								
0–1,821	2,010	1,610	400	14.21	13.61	16.70	-0.60*	-4.22
1,822–6,690	3,150	2,670	480	22.84	23.39	20.55	0.55	2.42
6,691–16,522	3,220	2,700	520	29.22	29.51	28.04	0.29	0.98
16,523 or more	3,560	2,980	580	33.38	33.20	34.12	-0.18	-0.54
Unknown	50	40	10	0.36	0.30	0.60	-0.06	-16.12
Age at base year								
15 to 18	6,510	5,610	910	50.41	52.22	42.89	1.81*	3.59
19	3,350	2,820	530	25.59	25.95	24.08	0.36	1.42
20 to 23	1,000	740	260	10.72	9.59	15.39	-1.13*	-10.51
24 to 29	500	370	120	5.51	5.13	7.07	-0.38*	-6.85
30+	620	450	170	7.78	7.11	10.56	-0.67*	-8.62
High school graduation year								
Before 1998	980	720	260	11.87	10.83	16.16	-1.04*	-8.72
1998–2002	1,330	1,000	340	14.18	13.01	19.02	-1.17*	-8.24
2003–04	9,620	8,230	1,390	73.33	75.48	64.41	2.15*	2.93
Did not complete high school	40	40	10	0.62	0.67	0.40	0.05	8.46
Dependency status at base year								
Dependent	10,220	8,680	1,540	79.99	81.54	73.56	1.55*	1.94
Independent	1,760	1,310	460	20.01	18.46	26.44	-1.55*	-7.74
Income level at base year								
Dependent								
Less than \$10,000	490	380	110	4.17	3.75	5.92	-0.42*	-10.13
\$10,000–\$19,999	760	630	130	6.06	6.15	5.69	0.09	1.45
\$20,000–\$29,999	950	750	200	7.08	6.61	9.01	-0.47*	-6.59
\$30,000–\$39,999	950	790	150	8.10	8.21	7.64	0.11	1.37
\$40,000–\$49,999	880	730	150	6.95	7.01	6.72	0.06	0.82
\$50,000–\$59,999	840	720	120	6.84	6.93	6.42	0.10	1.45
\$60,000–\$69,999	980	840	140	8.09	8.17	7.73	0.09	1.07
\$70,000–\$79,999	750	660	90	6.23	6.61	4.66	0.38*	6.08

See notes at end of table.

Table M-41. Nonresponse bias analysis for the item GPA09 (estimate of GPA), BPS:04/09: 2009—Continued

Variable	Number eligible to respond to item			Percent distributions			Estimated bias	Relative bias
	Total	Respondents	Non-respondents	Total eligible to respond	Respondents	Non-respondents		
Dependent—Continued								
\$80,000–\$99,999	1,320	1,140	170	9.24	9.74	7.15	0.50*	5.45
\$100,000 or more	2,310	2,040	270	17.24	18.35	12.61	1.11*	6.47
Independent								
Less than \$10,000	330	250	90	3.38	3.14	4.37	-0.24	-7.07
\$10,000–\$19,999	650	470	180	6.73	6.01	9.76	-0.73*	-10.82
\$20,000–\$29,999	290	220	70	3.12	2.97	3.77	-0.16	-5.00
\$30,000–\$49,999	270	200	70	3.51	3.12	5.10	-0.38*	-10.92
\$50,000 or more	210	170	40	3.27	3.23	3.45	-0.04	-1.31
Race/ethnicity								
White	7,840	6,730	1,100	62.29	64.45	53.34	2.16*	3.47
Black or African American	1,520	1,160	360	13.46	12.29	18.32	-1.17*	-8.71
Hispanic or Latino	1,380	1,090	290	13.37	12.60	16.59	-0.78*	-5.80
Asian	640	520	120	5.78	5.67	6.20	-0.10	-1.78
All other race/ethnicities including more than one race	610	490	120	5.10	4.99	5.54	-0.11	-2.12
Gender								
Male	4,910	4,020	890	42.28	41.06	47.34	-1.22*	-2.89
Female	7,070	5,960	1,100	57.72	58.94	52.66	1.22*	2.12
Marital status at base year								
Single, divorced, or widowed	11,260	9,440	1,820	91.62	92.03	89.93	0.41	0.44
Married	610	480	140	7.42	7.01	9.10	-0.41	-5.47
Separated	110	80	30	0.96	0.96	0.97	#	-0.11
Citizen status at base year								
US citizen	11,320	9,500	1,830	93.11	93.83	90.09	0.73*	0.78
Resident alien	520	400	120	5.44	5.07	6.98	-0.37*	-6.84
Foreign or international student	140	90	50	1.45	1.10	2.92	-0.35*	-24.34

Rounds to zero.

* $p < .05$.

NOTE: Detail may not sum to totals because of rounding. Categories of undergraduate enrollment were determined by quartiles. Categories of Pell Grant amount and Stafford Loan amount were determined by tertiles. Results are prior to imputation, and are weighted by the BPS:04/09 study weight. Cases with legitimate skips are not included in the results.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-42. Summary of item bias analysis for the BPS:04/09 CATI items: 2009

Variable	Label	Mean bias	Median bias	Mean percent relative bias	Median percent relative bias	Percent of biases that are statistically significant
AFFORD09	Afford school without working	0.69	0.50	5.64	4.43	51.28
CARAMT09	Monthly car payment amount	0.95	0.71	9.45	5.55	43.59
CARLN09	Have loan or lease payments for car	0.45	0.35	4.25	2.40	42.31
CLTY09A	Type of class: arts and humanities	1.10	0.83	9.65	8.05	17.95
CLTY09B	Type of class: business and marketing	1.10	0.83	9.65	8.05	17.95
CLTY09C	Type of class: career and technical education	1.10	0.83	9.65	8.05	17.95
CLTY09D	Type of class: communications	1.10	0.83	9.65	8.05	17.95
CLTY09E	Type of class: computer science	1.10	0.83	9.65	8.05	17.95
CLTY09F	Type of class: education	1.10	0.83	9.65	8.05	17.95
CLTY09G	Type of class: engineering and engineering technology	1.10	0.83	9.65	8.05	17.95
CLTY09H	Type of class: healthcare	1.10	0.83	9.65	8.05	17.95
CLTY09I	Type of class: natural sciences and mathematics	1.10	0.83	9.65	8.05	17.95
CLTY09J	Type of class: social sciences	1.10	0.83	9.65	8.05	17.95
CLTY09X	Type of class: other	1.10	0.83	9.65	8.05	17.95
COMHRS09	Number of hours volunteered per month	1.78	1.38	14.36	11.04	50.00
COMONE09	One time volunteer event	1.68	1.33	13.97	11.54	60.26
COMSRV09	Community service/volunteer in last 12 months	0.44	0.36	4.22	2.38	37.18
CRDANY09	Have credit cards	0.45	0.36	4.24	2.45	38.46
CRDBAL09	Balance due on all credit cards	0.57	0.51	6.17	3.53	20.51
CRDPAY09	Pay off or carry credit balance	1.12	0.84	9.97	6.53	67.95
DEPANY09	Has dependent children	0.44	0.26	4.23	2.43	42.31
DEPNUM09	Number of dependent children	0.44	0.26	4.23	2.45	42.31
DEPYNG09	Age of youngest dependent child	2.93	1.80	20.16	16.39	74.36
DGEVR09	Highest education level ever expected	0.47	0.37	4.33	2.66	41.03
DISMOB09	Disability: mobility impairment	0.46	0.39	4.36	2.51	39.74
DISOTH09	Disability: other disability	0.44	0.35	4.19	2.47	38.46
DISSEN09	Disability: sensory impairment	0.44	0.35	4.15	2.71	39.74
EMPL09	Loan influenced employment plans	2.22	1.50	15.96	12.84	51.28
EMPL09A	Loan influenced employment plans: had to work more hours	2.22	1.50	15.96	12.84	51.28
EMPL09B	Loan influenced employment plans: had to work more than one job	2.22	1.50	15.96	12.84	51.28
EMPL09C	Loan influenced employment plans: took job outside field	2.22	1.50	15.96	12.84	51.28
EMPL09D	Loan influenced employment plans: took less desirable job	2.22	1.50	15.96	12.84	51.28
EMPL09X	Loan influenced employment plans: other reason	1.33	0.85	9.18	8.06	55.13
EMPTY09	Type of employer	0.69	0.51	5.61	4.17	50.00
GPA09	Estimate of GPA	0.61	0.44	4.92	3.70	52.56
GRCRED09	Earned credit for non-degree postbaccalaureate courses	2.29	2.01	26.33	13.83	27.27

See notes at end of table.

Table M-42. Summary of item bias analysis for the BPS:04/09 CATI items: 2009—Continued

Variable	Label	Mean bias	Median bias	Mean percent relative bias	Median percent relative bias	Percent of biases that are statistically significant
GRDEG09	Enrolled in degree/certificate program since earning bachelor's degree	0.53	0.40	6.86	3.50	34.62
GREN09	Current attendance in graduate school	0.25	0.20	2.33	1.41	41.03
GREXP09	Expect to enroll in postbaccalaureate program before July 2009	0.91	0.67	12.51	5.07	39.74
GRNDEG09	Enrolled in non-degree coursework since earning bachelor's	0.52	0.39	6.86	3.69	32.05
HHCP09A	Household composition: children or dependents	0.45	0.36	4.25	2.46	39.74
HHCP09B	Household composition: live alone	0.45	0.36	4.25	2.46	39.74
HHCP09C	Household composition: parents or in-laws	0.45	0.36	4.25	2.46	39.74
HHCP09D	Household composition: spouse or domestic partner	0.45	0.36	4.25	2.46	39.74
HHCP09X	Household composition: other	0.45	0.36	4.25	2.46	39.74
HOUSE09	Own home or pay rent	0.43	0.32	4.22	2.40	37.18
HRSWK09	Hours worked per week when last enrolled	0.68	0.47	5.61	4.56	46.15
INCRS09	Employment: total earnings	0.79	0.58	8.15	5.11	47.44
INCSPS08	Spouse's earnings from all sources in 2008	2.56	1.55	17.57	12.14	57.69
JBEN09A	Employer offers benefits: life insurance	0.79	0.63	8.17	5.09	43.59
JBEN09B	Employer offers benefits: medical insurance	0.79	0.63	8.17	5.09	43.59
JBEN09C	Employer offers benefits: retirement benefits	0.79	0.63	8.17	5.09	43.59
JOBCAR09	Consider current job start of career	0.74	0.53	7.70	4.43	41.03
JOB09A	Job description: allows freedom for other interests	1.12	1.00	10.63	4.94	25.64
JOB09B	Job description: pays the bills	1.12	1.00	10.63	4.94	25.64
JOB09C	Job description: provides benefits	1.12	1.00	10.63	4.94	25.64
JOB09D	Job description: provides experience for future	1.12	1.00	10.63	4.94	25.64
JOB09X	Job description: other	1.12	1.00	10.63	4.94	25.64
JOB09F	Difficulty in doing job without undergraduate coursework	0.74	0.53	7.66	4.42	41.03
JOBEMP09	Type of employer	0.73	0.51	7.56	4.25	38.46
JOB09ST	First job since last enrolled	1.27	0.90	10.82	6.55	47.44
JOBHRS09	Hours worked per week	0.74	0.57	7.73	4.79	43.59
JOBIND09	Job 2009: type of industry	0.76	0.56	7.78	4.55	41.03
JOBLCG09	License required for current job: general code	1.73	1.38	16.79	9.14	28.21
JOBLCH09	Already hold license or certification	1.73	1.37	16.79	9.25	28.21
JOBLCS09	License required for current job: specific code	1.97	1.10	17.72	9.94	32.05
JOBMON09	Total number of months in same or similar job	1.19	0.75	9.96	5.78	57.69
JOBOCC09	Job 2009: type of occupation	0.73	0.51	7.60	4.34	42.31
JOBPS09	Job search assistance from school placement office	1.27	0.90	10.74	6.87	46.15
JOB09RA	Job responsibilities: hiring or firing decisions	0.81	0.62	8.25	5.36	44.87
JOB09RB	Job responsibilities: set salaries	0.81	0.62	8.25	5.36	44.87
JOB09RC	Job responsibilities: supervise others	0.81	0.62	8.25	5.36	44.87
JOBRCR09	Job related to undergraduate coursework	1.82	1.24	15.61	9.45	48.72

See notes at end of table.

Table M-42. Summary of item bias analysis for the BPS:04/09 CATI items: 2009—Continued

Variable	Label	Mean bias	Median bias	Mean percent relative bias	Median percent relative bias	Percent of biases that are statistically significant
JOBRCT09	Employer required: vocational or technical certificate	0.74	0.54	7.70	4.66	42.31
JOBRDG09	Employer required: 2-year or 4-year college degree	0.74	0.54	7.70	4.66	42.31
JOBRLC09	Employer required: industry certification or license	0.74	0.54	7.70	4.66	42.31
JOBRLM09	Job related to undergraduate major	2.82	1.61	24.37	18.08	71.79
JOBS09A	Job satisfaction: fringe benefits	0.80	0.61	8.07	4.83	42.31
JOBS09B	Job satisfaction: importance and challenge	0.78	0.59	8.08	4.81	44.87
JOBS09C	Job satisfaction: job security	0.79	0.60	8.02	4.68	43.59
JOBS09D	Job satisfaction: opportunities for future training and education	0.81	0.63	8.28	5.02	42.31
JOBS09E	Job satisfaction: opportunities for promotion	0.80	0.62	8.18	4.96	42.31
JOBS09F	Job satisfaction: opportunities to use education	0.81	0.61	8.22	4.81	42.31
JOBS09G	Job satisfaction: overall	0.80	0.62	8.17	4.96	44.87
JOBS09H	Job satisfaction: pay	0.80	0.62	8.13	4.91	43.59
JOBSBE09	Same or similar job before enrolled	0.74	0.53	7.67	4.83	41.03
JOBST09	Currently employed	0.48	0.37	5.26	3.25	32.05
JOBSWE09	Same or similar job while enrolled	0.74	0.51	7.67	4.76	41.03
JOBUG09	Undergraduate education helped advance career	0.73	0.53	7.66	4.39	41.03
LNDWI09	Loan debt worthwhile investment	0.90	0.61	5.62	5.10	56.41
LNHELP09	Anyone helping to repay loans	3.36	2.03	25.89	18.04	66.67
LNIEP09	Loan influenced enrollment plans	0.74	0.43	4.98	4.57	25.64
LNIN09A	Influence of student loans on enrollment: chose more affordable school	1.08	0.62	7.51	5.54	12.82
LNIN09B	Influence of student loans on enrollment: enrolled during summer	1.08	0.62	7.51	5.54	12.82
LNIN09C	Influence of student loans on enrollment: enrolled sooner	1.08	0.62	7.51	5.54	12.82
LNIN09D	Influence of student loans on enrollment: increased/decreased classes	1.08	0.62	7.51	5.54	12.82
LNIN09E	Influence of student loans on enrollment: postponed enrollment	1.08	0.62	7.51	5.54	12.82
LNIN09F	Influence of student loans on enrollment: took terms off	1.08	0.62	7.51	5.54	12.82
LNIN09X	Influence of student loans on enrollment: other reason	1.08	0.62	7.51	5.54	12.82
LNTY09A	Type of undergraduate loan: federal	0.93	0.61	5.77	5.12	57.69
LNTY09B	Type of undergraduate loan: private	0.93	0.61	5.77	5.12	57.69
LNTY09C	Type of undergraduate loan: other	0.93	0.61	5.77	5.12	57.69
LOCALR09	Residence while enrolled	0.50	0.35	4.09	3.21	46.15
LOCJOB09	Job on or off campus	0.69	0.51	5.66	4.26	53.85
MAJ09CHG	Frequency of formal major changes	0.41	0.28	3.70	2.36	35.90
MAJ09DBL	Earned a double major with degree	0.54	0.41	7.04	3.57	34.62
MNREA09	Job while enrolled 2009: Main reason for working	0.70	0.52	5.71	4.27	52.56
MTGAMT09	Monthly rent or mortgage payment amount	0.53	0.32	5.33	2.24	29.49
NUMJOB09	Number of jobs during last term of enrollment	0.49	0.35	4.03	3.08	46.15

See notes at end of table.

Table M-42. Summary of item bias analysis for the BPS:04/09 CATI items: 2009—Continued

Variable	Label	Mean bias	Median bias	Mean percent relative bias	Median percent relative bias	Percent of biases that are statistically significant
PARDIE09	Parents deceased	0.50	0.33	4.08	3.29	46.15
PRSP09A	Help from parents: no financial support	0.50	0.33	4.08	3.29	46.15
PRSP09B	Help from parents: other educational/living expenses	0.50	0.33	4.08	3.29	46.15
PRSP09C	Help from parents: tuition and fees	0.50	0.33	4.08	3.29	46.15
RELCRS09	Job related to coursework	1.09	0.72	10.04	7.30	3.85
RELMAJ09	Job related to major	0.58	0.41	5.13	3.34	42.31
RPYAMT09	Monthly payment on undergraduate loans	1.33	0.83	10.09	7.63	42.31
RPYSL09	Currently repaying any undergraduate loans	0.84	0.55	5.58	5.17	47.44
RSNLSA	Purpose (last school) 2009: earn a degree	0.65	0.43	5.53	3.81	21.79
RSNLSB	Purpose (last school) 2009: earn credits	0.65	0.43	5.53	3.81	21.79
RSNLSC	Purpose (last school) 2009: gain job skills	0.65	0.43	5.53	3.81	21.79
RSNLSD	Purpose (last school) 2009: personal interest	0.65	0.43	5.53	3.81	21.79
RSNLSE	Purpose (last school) 2009: transfer to 4 yr	0.65	0.43	5.53	3.81	21.79
RSNLSX	Purpose (last school) 2009: other reason	0.65	0.43	5.53	3.81	21.79
RSPL09A	Reason for taking out private loan: deferment of loan repayment	1.76	1.29	11.60	9.70	55.13
RSPL09B	Reason for taking out private loan: did not qualify for other aid	1.76	1.29	11.60	9.70	55.13
RSPL09C	Reason for taking out private loan: issued directly to student	1.76	1.29	11.60	9.70	55.13
RSPL09D	Reason for taking out private loan: needed more money	1.76	1.29	11.60	9.70	55.13
RSPL09E	Reason for taking out private loan: private loan application easy	1.76	1.29	11.60	9.70	55.13
RSPL09X	Reason for taking out private loan: other reason	1.76	1.29	11.60	9.70	55.13
SATMAJ09	Satisfaction with choice of major	0.22	0.18	2.14	1.27	24.36
SATUG09	Satisfaction with quality of undergraduate education	0.22	0.18	2.14	1.28	25.64
SEROLE09	Primary role while working	0.68	0.51	5.60	4.23	48.72
SMAR09	Current marital status	0.54	0.44	4.94	3.20	52.56
SPNM08	Not married to spouse in 2008	2.42	1.51	16.93	11.32	56.41
SPSBOR09	Spouse's total student loan amount	2.84	2.01	24.86	14.22	38.46
SPSED09	Spouse's highest education level	2.65	1.59	18.03	12.18	58.97
SPSLN09	Spouse has student loans	2.66	1.66	18.21	12.24	56.41
SPSLNR09	Spouse's monthly student loan payment: not yet in repayment	3.18	2.44	28.26	19.53	39.74
SPSOWE09	Amount of spouse's loans still owed	2.97	2.10	25.44	16.46	38.46
SPSRPY09	Spouse's monthly student loan payment	3.50	2.77	30.63	17.23	37.18
TEACH09	Plan on teaching K-12	0.45	0.34	4.21	2.41	43.59
TRCRAC09	School accepted transfer credits	0.77	0.57	7.75	4.64	32.05
TRCREV09	Attempted transfer credits to school	0.30	0.23	2.95	1.85	17.95
UGEWC09	Undergraduate education worth the cost	0.22	0.17	2.15	1.29	21.79
UGLV09	Undergraduate level during most recent term	0.91	0.66	9.29	4.95	6.41

See notes at end of table.

Table M-42. Summary of item bias analysis for the BPS:04/09 CATI items: 2009—Continued

Variable	Label	Mean bias	Median bias	Mean percent relative bias	Median percent relative bias	Percent of biases that are statistically significant
UNEMCP09	Receiving unemployment compensation	1.54	1.13	12.31	7.22	17.95
UNEMPD09	Date of last employment	1.46	1.14	13.71	8.22	23.08
UNEMPG09	Ever unemployed at least three months since undergraduate graduation	0.50	0.35	5.44	3.18	32.05
UNEMPL09	Currently looking for a job	1.64	1.00	12.90	9.72	28.21
UNEMPN09	Number of times unemployment has lasted more than three months	1.15	0.85	8.78	5.22	23.08
UNEMPT09	Longest period of unemployment in months	1.17	0.87	8.94	5.92	21.79
UNEMPX09	No employment after undergraduate enrollment	1.60	1.10	12.43	8.76	25.64
UNTAX09	Received untaxed benefits in 2008	0.45	0.37	4.24	2.41	41.03
VLT09A	Volunteer type: fundraising (political or non-political)	1.68	1.31	14.00	11.59	64.10
VLT09B	Volunteer type: health services	1.68	1.31	14.00	11.59	64.10
VLT09C	Volunteer: homeless shelter or soup kitchen	1.68	1.31	14.00	11.59	64.10
VLT09D	Volunteer type: neighborhood improvement	1.68	1.31	14.00	11.59	64.10
VLT09E	Volunteer type: other work with kids	1.68	1.31	14.00	11.59	64.10
VLT09F	Volunteer type: service to the church	1.68	1.31	14.00	11.59	64.10
VLT09G	Volunteer type: nonprofit organizations	1.68	1.31	14.00	11.59	64.10
VLT09H	Volunteer type: service to the community	1.68	1.31	14.00	11.59	64.10
VLT09I	Volunteer type: tutoring or education-related	1.68	1.31	14.00	11.59	64.10
VLT09X	Volunteer type: other	1.68	1.31	14.00	11.59	64.10
VLTR09B	Start volunteering because of school-related activity	2.00	1.32	16.30	11.22	46.15
VOTE09	Vote in last presidential election	0.51	0.41	5.52	3.20	46.15
VOTERG09	Registered to vote	0.41	0.33	4.41	2.56	34.62
VOTEVE09	Ever voted in a U.S. election	0.18	0.14	2.00	1.42	26.92
WRKST09	Work-study job	0.69	0.51	5.69	4.22	53.85

NOTE: The results are prior to imputation (i.e., using the questionnaire data) and include study respondents who did not respond to the interview. The mean and medians are computed over the absolute values of the bias and percent relative bias. The bias was computed using the BPS:04/09 study weight.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).

Table M-43. Summary of item bias analysis for the BPS:04/09 student-level derived transcript variables that have less than 85% response rate: 2009

Variable	Description	Mean bias	Median bias	Mean percent relative bias	Median percent relative bias	Percent of biases that are statistically significant
QBHSMY	High school graduation year and month	2.46	1.32	21.04	12.92	50.00
QD2NDSTP	Length of 2nd Stopout	1.91	1.31	19.07	12.68	29.49
QD3RDSTP	Length of 3rd stopout	11.00	6.58	63.20	55.67	47.44
QDBC2ASC	Elapsed time from bachelor's degree to associate's degree	10.56	8.29	65.28	63.50	16.44
QDFA2CRT	Elapsed time from entry to certificate	2.01	1.60	19.71	15.51	51.28
QDMAJCHG	Major change during first transfer indicator	4.36	2.95	27.82	25.11	47.44
QDMAJRS	Major at receiving school for first transfer	3.91	2.58	27.83	19.55	80.77
QDMAJSS	Major at sending school for first transfer	5.01	2.46	35.95	30.52	27.63
QDTCRSS	Total credits taken at origin school for first transfer	1.55	0.71	11.09	8.47	44.87
QDTRRAT	Successful transfer percentage for first transfer	1.55	0.71	11.09	8.47	44.87
QECONGPA	Construction technical and trades occupations GPA	1.30	1.00	15.71	11.10	7.69
QEGPAL2N	Less than 2-year private, nonprofit: GPA	1.34	0.46	8.76	6.17	44.87
QEGPAL2P	Less than 2-year public: GPA	1.32	0.81	13.89	5.79	25.64
QEGPALT2	GPA at less-than 2-year institutions	1.39	0.88	13.37	7.37	28.21
QEGPAPFP	GPA at private, for profit institutions	4.46	2.40	25.63	22.64	62.82
QEGPAPN2	2-year private, nonprofit: GPA	0.58	0.42	6.26	3.61	25.64
QEINDGPA	Industrial and mechanical technologies and trades occupations GPA	0.53	0.28	4.85	3.02	10.26
QELGLGPA	Business and legal support occupation GPA	0.58	0.40	6.04	3.96	19.23
QELGPA2F	Less than 2-year private, for-profit: GPA	4.84	3.44	44.26	36.88	0.00
QEPMAGPA	Pre-college level mathematics courses: GPA	0.55	0.38	5.32	3.78	17.95
QEPSNGPA	Personal, food, and home services occupations GPA	0.56	0.40	6.32	4.55	26.92
QESPTGPA	Sports/PE/recreation GPA	0.78	0.47	5.52	3.84	29.49
QESTTGPA	Student teaching courses: GPA	0.64	0.39	4.65	3.31	26.92
QFCGND	No degree field of study: 2-digit CIP	1.01	0.48	7.00	4.98	38.46
QFCSND	No degree field of study: 4-digit CIP	1.47	0.77	11.67	8.01	7.69
QFMJSTEM	STEM field of study: major	0.96	0.74	8.21	5.91	23.08

NOTE: The results are based on all students with at least one transcript. The mean and medians are computed over the absolute values of the bias and percent relative bias. The bias was computed using the BPS:04/09 student transcript analysis weight.

SOURCE: U.S. Department of Education, National Center for Education Statistics, 2004/09 Beginning Postsecondary Students Longitudinal Study (BPS:04/09).