

# **Appendix I**

## **Average Weight Adjustment Factors**

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**Table I-1. Average weight adjustment factors used to adjust the cross-sectional weight F2QWT for nonresponse due to nonfielded cases, by selected characteristics: 2006**

Model predictor variables <sup>1</sup>	Number of responding students and "other" nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
Total	15,900	0.96	1.08
School sector			
Public	12,500	0.96	1.08
Catholic	2,000	0.96	1.04
Other private	1,400	0.95	1.15
School urbanicity			
Urban	5,400	0.94	1.11
Suburban	7,600	0.96	1.07
Rural	2,900	0.97	1.06
Census region			
Northeast	2,900	0.94	1.11
Midwest	4,000	0.96	1.07
South	5,800	0.97	1.06
West	3,200	0.96	1.11
10th-grade enrollment			
0–99	3,100	0.98	1.08
100–249	4,000	0.97	1.05
250–499	5,100	0.95	1.08
≥ 500	3,700	0.94	1.12
Type of grades within school			
K–12, PreK–10th, 1st–12th, PreK/1st–9th/12th and PreK–12 schools	1,000	0.97	1.18
Middle grades but no elementary	1,700	0.97	1.04
Only high school	13,200	0.96	1.08
Number of grades within the school			
4	12,100	0.96	1.08
> or < 4	3,800	0.95	1.10
Number of days in school year			
Less than 180 days	4,100	0.97	1.07
180 days	8,800	0.96	1.08
More than 180 days	2,900	0.94	1.11
Minutes per class period			
≤ 45	3,800	0.94	1.10
46–50	3,400	0.96	1.08
51–80	4,200	0.96	1.09
≥ 81	4,500	0.97	1.06
Class periods per day			
1–4	4,600	0.97	1.06
5–6	3,900	0.95	1.10
7	4,300	0.96	1.08
8–9	3,100	0.95	1.10

See notes at end of table.

**Table I-1. Average weight adjustment factors used to adjust the cross-sectional weight F2QWT for nonresponse due to nonfielded cases, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students and “other” nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
<b>IEP<sup>3</sup> percentage</b>			
≤ 5 percent	6,200	0.96	1.09
6–10 percent	4,100	0.95	1.08
11–15 percent	3,500	0.97	1.06
> 15 percent	2,100	0.95	1.12
<b>LEP<sup>4</sup> percentage</b>			
0 percent	6,800	0.96	1.07
1 percent	3,100	0.96	1.07
2–5 percent	2,700	0.94	1.09
≥ 6 percent	3,300	0.96	1.11
<b>Free or reduced-price lunch</b>			
0 percent	2,800	0.95	1.08
1–10 percent	3,600	0.94	1.09
11–30 percent	4,800	0.97	1.08
≥ 31 percent	4,700	0.96	1.08
<b>Number of full-time teachers</b>			
1–40	4,100	0.97	1.06
41–70	4,000	0.97	1.06
71–100	4,100	0.95	1.10
> 100	3,700	0.94	1.10
<b>Number of part-time teachers</b>			
0–1	4,600	0.96	1.08
2–3	4,600	0.97	1.07
4–6	3,800	0.96	1.08
≥ 7	2,800	0.94	1.10
<b>Full-time teachers certified</b>			
0–90 percent	4,100	0.95	1.09
91–99 percent	2,800	0.95	1.08
100 percent	9,000	0.96	1.08
<b>School coeducational status</b>			
Coeducational school	15,100	0.96	1.08
All-female school	370	0.93	1.06
All-male school	440	0.97	1.03
<b>Total enrollment</b>			
0–600 students	3,700	0.98	1.07
601–1,200 students	4,800	0.96	1.07
1,201–1,800 students	3,600	0.96	1.07
> 1,800 students	3,800	0.94	1.12

See notes at end of table.

**Table I-1. Average weight adjustment factors used to adjust the cross-sectional weight F2QWT for nonresponse due to nonfielded cases, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students and “other” nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
Asian 10th-grade enrollment			
≤ 2 percent	6,100	0.96	1.07
> 2 percent	9,800	0.96	1.09
Black or African American 10th-grade enrollment			
≤ 4 percent	5,400	0.96	1.07
> 4 percent	10,500	0.95	1.09
Hispanic or Latino 10th-grade enrollment			
≤ 3 percent	6,100	0.95	1.07
> 3 percent	9,800	0.96	1.09
All other races 10th-grade enrollment			
≤ 80 percent	8,000	0.96	1.09
> 80 percent	7,900	0.96	1.07
Sex			
Male	7,800	1.00	1.13
Female	8,000	1.00	1.04
Race/ethnicity <sup>5</sup>			
Hispanic or Latino	2,400	1.00	1.02
Asian	1,600	1.00	1.10
Black or African American	2,100	1.00	1.02
All other races	9,800	0.94	1.11

<sup>1</sup> Model predictor variables had a value of 0 or 1. Some of the listed model predictor variables were not actually in the model because they served as reference groups. For each group of variables, one of the categories (predictor variable) was used as a reference group.

<sup>2</sup> “Other” nonresponding students are students who were nonrespondents among those fielded for the second follow-up. Responding students are grouped with the “other” nonrespondents for the first nonresponse adjustment that adjusts for nonfielded sample members.

<sup>3</sup> IEP = Individualized Education Program.

<sup>4</sup> LEP = limited English proficient.

<sup>5</sup> “All other races” includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), “Second Follow-up, 2006.”

**Table I-2. Average weight adjustment factors used to adjust the cross-sectional weight F2QWT for refusal and other nonresponse, by selected characteristics: 2006**

Model predictor variables <sup>1</sup>	Number of responding students	Weighted response rate	Average weight adjustment factor
Total	14,200	0.89	1.13
School sector			
Public	11,100	0.89	1.14
Catholic	1,800	0.92	1.08
Other private	1,300	0.90	1.13
School urbanicity			
Urban	4,800	0.88	1.14
Suburban	6,800	0.89	1.13
Rural	2,600	0.90	1.12
Census region			
Northeast	2,600	0.89	1.13
Midwest	3,600	0.90	1.11
South	5,200	0.89	1.12
West	2,800	0.87	1.18
10th-grade enrollment			
0–99	2,700	0.89	1.13
100–249	3,700	0.91	1.10
250–499	4,500	0.89	1.13
≥ 500	3,200	0.87	1.17
Type of grades within school			
K–12, PreK–10th, 1st–12th, PreK/1st–9th/12th and PreK–12 schools	930	0.90	1.14
Middle grades but no elementary	1,500	0.90	1.12
Only high school	11,700	0.89	1.13
Number of grades within the school			
4	10,800	0.88	1.13
> or < 4	3,400	0.90	1.12
Number of days in school year			
Less than 180 days	3,700	0.90	1.11
180 days	7,900	0.89	1.13
More than 180 days	2,600	0.87	1.16
Minutes per class period			
≤ 45	3,400	0.89	1.12
46–50	3,100	0.89	1.12
51–80	3,700	0.88	1.15
≥ 81	4,000	0.89	1.13
Class periods per day			
1–4	4,100	0.89	1.13
5–6	3,400	0.88	1.15
7	3,800	0.88	1.13
8–9	2,800	0.90	1.11

See notes at end of table.

**Table I-2. Average weight adjustment factors used to adjust the cross-sectional weight F2QWT for refusal and other nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
<b>IEP<sup>2</sup> percentage</b>			
≤ 5 percent	5,600	0.89	1.12
6–10 percent	3,600	0.88	1.14
11–15 percent	3,100	0.89	1.13
> 15 percent	1,900	0.88	1.15
<b>LEP<sup>3</sup> percentage</b>			
0 percent	6,200	0.90	1.11
1 percent	2,800	0.90	1.11
2–5 percent	2,400	0.89	1.13
≥ 6 percent	2,800	0.85	1.20
<b>Free or reduced-price lunch</b>			
0 percent	2,600	0.91	1.10
1–10 percent	3,200	0.90	1.12
11–30 percent	4,200	0.89	1.14
≥ 31 percent	4,200	0.88	1.15
<b>Number of full-time teachers</b>			
1–40	3,700	0.90	1.12
41–70	3,600	0.89	1.12
71–100	3,600	0.88	1.14
> 100	3,300	0.88	1.14
<b>Number of part-time teachers</b>			
0–1	4,100	0.88	1.14
2–3	4,100	0.89	1.12
4–6	3,400	0.89	1.13
≥ 7	2,600	0.90	1.12
<b>Full-time teachers certified</b>			
0–90 percent	3,600	0.88	1.14
91–99 percent	2,500	0.89	1.13
100 percent	8,000	0.89	1.13
<b>School coeducational status</b>			
Coeducational school	13,400	0.89	1.13
All-female school	350	0.94	1.06
All-male school	390	0.90	1.11
<b>Total enrollment</b>			
0–600 students	3,300	0.90	1.12
601–1,200 students	4,300	0.89	1.12
1,201–1,800 students	3,200	0.89	1.13
> 1,800 students	3,300	0.87	1.16
<b>Asian 10th-grade enrollment</b>			
≤ 2 percent	5,500	0.90	1.11
> 2 percent	8,600	0.88	1.14
<b>Black or African American 10th-grade enrollment</b>			
≤ 4 percent	4,800	0.89	1.12
> 4 percent	9,300	0.89	1.13

See notes at end of table.

**Table I-2. Average weight adjustment factors used to adjust the cross-sectional weight F2QWT for refusal and other nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
Hispanic or Latino 10th-grade enrollment			
≤ 3 percent	5,500	0.90	1.11
> 3 percent	8,600	0.88	1.15
All other races 10th-grade enrollment			
≤ 80 percent	7,000	0.87	1.16
> 80 percent	7,200	0.90	1.11
Sex			
Male	6,800	0.87	1.16
Female	7,300	0.91	1.10
Race/ethnicity <sup>4</sup>			
Asian	1,400	0.88	1.15
Black or African American	1,900	0.88	1.14
Hispanic or Latino	2,100	0.86	1.15
All other races	8,800	0.90	1.12
Family Composition			
Mother and Father	8,600	0.90	1.12
Mother and male guardian	1,700	0.88	1.14
Father and female guardian	420	0.84	1.19
Two guardians	220	0.82	1.22
Mother only	2,500	0.88	1.13
Father only	400	0.84	1.21
Single guardian	210	0.81	1.23
Lives with student less than half the year	140	0.87	1.15
Parental education			
Did not finish high school	850	0.86	1.16
Graduated from high school	2,800	0.86	1.16
Attended 2-year school, no degree	1,500	0.89	1.12
Graduated from 2-year school	1,500	0.90	1.12
Attended college, no 4-year degree	1,600	0.88	1.13
Graduated from college	3,200	0.90	1.12
Completed master's degree or equivalent	1,700	0.90	1.12
Completed Ph.D., M.D., other advanced degree	1,000	0.92	1.09
Mother's occupation			
No job for pay	540	0.88	1.14
Clerical	2,300	0.89	1.12
Craftsperson	320	0.89	1.12
Farmer, farm manager, or laborer	690	0.88	1.14
Homemaker	730	0.82	1.23
Manager, administrator	1,500	0.89	1.13
Military or protective service	130	0.88	1.14
Operative	580	0.89	1.12
Professional a	2,100	0.91	1.11
Professional b	550	0.91	1.10
Proprietor, owner	340	0.86	1.17
Sales	610	0.88	1.15

See notes at end of table.



**Table I-2. Average weight adjustment factors used to adjust the cross-sectional weight F2QWT for refusal and other nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
<b>Mother's occupation—Continued</b>			
School teacher	960	0.93	1.09
Service	2,200	0.86	1.16
Technical	710	0.93	1.08
<b>Father's occupation</b>			
No job for pay	150	0.86	1.17
Clerical	340	0.90	1.11
Craftsperson	1,800	0.89	1.12
Farmer, farm manager	270	0.89	1.14
Homemaker	340	0.82	1.22
Laborer	1,400	0.86	1.16
Manager, administrator	2,100	0.89	1.13
Military	190	0.90	1.13
Operative	1,600	0.89	1.13
Professional a	1,600	0.91	1.11
Professional b	860	0.90	1.12
Proprietor, owner	850	0.88	1.14
Protective service	490	0.91	1.11
Sales	740	0.90	1.11
School teacher	210	0.97	1.04
Service	560	0.84	1.18
Technical	670	0.90	1.12
<b>Socioeconomic status (SES)</b>			
Lowest quartile	3,300	0.87	1.15
Second quartile	3,300	0.87	1.15
Third quartile	3,400	0.89	1.13
Highest quartile	4,100	0.92	1.09
<b>English as native language</b>			
English is not the student's native language	2,400	0.86	1.16
English is the student's native language	11,800	0.89	1.12
<b>10th-grade cohort status</b>			
Not sophomore cohort member	140	0.87	1.16
Sophomore cohort member	14,000	0.89	1.13
<b>12th-grade cohort status</b>			
Not senior cohort member	1,600	0.78	1.29
Senior cohort member	12,500	0.91	1.11
<b>Income</b>			
\$1,000 or less	210	0.89	1.13
\$1,001 to \$5,000	260	0.87	1.16
\$5,001 to \$10,000	300	0.90	1.12
\$10,001 to \$15,000	610	0.88	1.14
\$15,001 to \$20,000	680	0.88	1.14
\$20,001 to \$25,000	860	0.88	1.14
\$25,001 to \$35,000	1,600	0.87	1.15
\$35,001 to \$50,000	2,600	0.88	1.14
\$50,001 to \$75,000	2,900	0.90	1.12

See notes at end of table.

**Table I-2. Average weight adjustment factors used to adjust the cross-sectional weight F2QWT for refusal and other nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
<b>Income—Continued</b>			
\$75,001 to \$100,000	1,900	0.89	1.13
\$100,001 to \$200,000	1,600	0.89	1.12
\$200,001 or more	530	0.93	1.09
<b>CHAID<sup>5</sup> segments</b>			
CHAID segment 1 = 2nd and 3rd SES quartile; sex = male; in school, in grade	2,900	0.88	1.15
CHAID segment 2 = lowest SES quartile; sex = male; in school, in grade	1,200	0.86	1.17
CHAID segment 3 = highest SES quartile; sex = male; in school, in grade	1,900	0.92	1.11
CHAID segment 4 = limited English proficiency of 0 to 5 percent; sex = female; in school, in grade	5,300	0.94	1.07
CHAID segment 5 = limited English proficiency > = 6 percent; sex = female; in school, in grade	1,200	0.89	1.13
CHAID segment 6 = income <=10,000 or 15,001-20,000 or 35,001-50,000; final F1 enrollment status is enrolled in base-year school; in school, out of grade	60	0.65	1.50
CHAID segment 7 = income of 10,001–15,000 or 20,001–35,000 or 50,001–75,000; final F1 enrollment status is enrolled in base-year school; in school, out of grade	90	0.84	1.20
CHAID segment 8 = income > 75,000; final F1 enrollment status is enrolled in base-year school; in school, out of grade	20	0.38	2.72
CHAID segment 9 = sex = male; final F1 enrollment status is graduated early or early GED; in school, out of grade	270	0.85	1.18
CHAID segment 10 = sex = female; final F1 enrollment status is graduated early or early GED; in school, out of grade	310	0.90	1.11
CHAID segment 11 = free or reduced-price lunch of >=31 percent; final F1 enrollment status is enrolled in transfer school; in school, out of grade	100	0.67	1.49
CHAID segment 12 = free or reduced-price lunch of <31 percent; final F1 enrollment status is enrolled in transfer school; in school, out of grade	90	0.48	2.06
CHAID segment 13 = income of <=20,000 or 35,001–50,000 or 200,001 or more; lowest 3 quartiles of SES; out of school (dropout or homeschooled)	560	0.85	1.21
CHAID segment 14 = income of 20,001–35,000 or 50,000–200,000; lowest 3 quartiles of SES; out of school (dropout or homeschooled)	110	0.74	1.28
CHAID segment 15 = highest SES quartile; out of school (dropout or homeschooled)	70	0.97	1.20
CHAID segment 16 = out of scope	40	0.59	1.18

<sup>1</sup> Model predictor variables had a value of 0 or 1. Some of the listed model predictor variables were not actually in the model because they served as reference groups. For each group of variables, one of the categories (predictor variable) was used as a reference group.

<sup>2</sup> IEP = Individualized Education Program.

<sup>3</sup> LEP = limited English proficient.

<sup>4</sup> “All other races” includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

<sup>5</sup> CHAID = chi-squared automatic interaction detection.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), “Second Follow-up, 2006.”

**Table I-3. Average weight adjustment factors for calibrating the cross-sectional weight F2QWT to control totals, by selected characteristics: 2006**

Model variable <sup>1</sup> —Continued	Control total <sup>2</sup>	Average weight adjustment factor
Total	3,523,300	1.01
Census region		
Northeast	650,400	1.02
Midwest	850,100	1.01
South	1,212,200	1.01
West	810,600	1.03
School sector		
Public	3,257,900	1.02
Catholic	145,900	1.01
Other private	119,500	1.02
Sex		
Male	1,785,700	0.99
Female	1,737,600	1.04
Race/ethnicity <sup>3</sup>		
Asian	149,500	1.04
Black or African American	505,100	1.06
Hispanic or Latino	582,100	1.06
All other races	2,286,700	0.99
10th-grade cohort status		
Not a sophomore cohort member	63,900	1.18
Sophomore cohort member	3,459,400	1.01
12th-grade cohort status		
Not a senior cohort member	516,200	0.97
Senior cohort member	3,007,100	1.02
10th-grade cohort status and race/ethnicity		
Not sophomore cohort, Hispanic	20,800	1.19
Asian nonsophomore cohort member	4,800	1.16
Black nonsophomore cohort member	6,300	1.33
White/other nonsophomore cohort member	32,000	1.16
Asian sophomore cohort member	144,700	1.04
Black sophomore cohort member	498,800	1.06
Hispanic sophomore cohort member	561,300	1.06
White/other sophomore cohort member	2,254,600	0.99
Region and 10th-grade cohort status		
Nonsophomore cohort member – Northeast	13,100	1.18
Nonsophomore cohort member – Midwest	11,000	1.08
Nonsophomore cohort member – South	22,900	1.28
Nonsophomore cohort member – West	16,900	1.12
Sophomore cohort member – Northeast	637,300	1.01
Sophomore cohort member – Midwest	839,100	1.01
Sophomore cohort member – South	1,189,300	1.01
Sophomore cohort member – West	793,700	1.03

See notes at end of table.

**Table I-3. Average weight adjustment factors for calibrating the cross-sectional weight F2QWT to control totals, by selected characteristics: 2006—Continued**

Model variable <sup>1</sup> —Continued	Control total <sup>2</sup>	Average weight adjustment factor
<b>School sector and 10th-grade cohort status</b>		
Public school nonsophomore cohort member	60,500	1.18
Catholic school nonsophomore cohort member	50	1.11
Other private school nonsophomore cohort member	3,300	1.21
Public school sophomore cohort member	3,197,400	1.01
Catholic school sophomore cohort member	145,800	1.01
Other private school sophomore cohort member	116,200	1.01
<b>Sex and 10th-grade cohort status</b>		
Male nonsophomore cohort member	37,200	1.23
Female nonsophomore cohort member	26,600	1.12
Male sophomore cohort member	1,748,500	0.98
Female sophomore cohort member	1,710,900	1.04
<b>12th-grade cohort status and race/ethnicity</b>		
Not senior cohort, Hispanic	129,500	1.02
Asian nonsenior cohort member	14,000	0.96
Black nonsenior cohort member	103,200	1.02
White/other nonsenior cohort member	269,600	0.92
Asian senior cohort member	135,400	1.05
Hispanic senior cohort member	452,600	1.07
Black senior cohort member	401,900	1.07
White/other senior cohort member	2,017,100	1.00
<b>Region and 12th-grade cohort status</b>		
Nonsenior cohort member – Northeast	85,200	1.05
Nonsenior cohort member – Midwest	107,600	0.95
Nonsenior cohort member – South	197,300	0.92
Nonsenior cohort member – West	126,100	1.02
Senior cohort member – Northeast	565,100	1.01
Senior cohort member – Midwest	742,600	1.02
Senior cohort member – South	1,014,900	1.03
Senior cohort member – West	684,500	1.03
<b>School sector and 12th-grade cohort status</b>		
Public school nonsenior cohort member	502,800	0.97
Catholic school nonsenior cohort member	3,500	0.94
Other private school nonsenior cohort member	9,900	1.01
Public school senior cohort member	2,755,100	1.02
Catholic school senior cohort member	142,300	1.01
Other private school senior cohort member	109,600	1.02
<b>Sex and 12th-grade cohort status</b>		
Male nonsenior cohort member	287,100	0.96
Female nonsenior cohort member	229,100	0.98
Male senior cohort member	1,498,600	0.99
Female senior cohort member	1,508,500	1.05

<sup>1</sup> Model variables had a value of 0 or 1.

<sup>2</sup> The control totals were calculated using the first follow-up expanded weight sums.

<sup>3</sup> "All other races" includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Table I-4. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for nonresponse due to gatekeepers, by selected characteristics: 2006**

Model predictor variables <sup>1</sup>	Number of responding students and "other" nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
Total	13,600	0.96	1.04
School sector			
Public	10,600	0.96	1.04
Catholic	1,800	0.97	1.03
Other private	1,200	0.94	1.07
School urbanicity			
Urban	4,600	0.96	1.04
Suburban	6,500	0.96	1.04
Rural	2,400	0.94	1.06
Census Region			
Northeast	2,500	0.94	1.06
Midwest	3,500	0.96	1.04
South	4,900	0.95	1.05
West	2,800	0.98	1.02
10th-grade enrollment			
0–99	2,600	0.96	1.05
100–249	3,500	0.95	1.05
250–499	4,400	0.96	1.04
≥ 500	3,100	0.96	1.04
Type of grades within school			
K–12, PreK–10th, 1st–12th, PreK/1st–9th/12th and PreK–12 schools	870	0.96	1.04
Middle grades but no elementary	1,400	0.98	1.02
Only high school	11,300	0.96	1.05
Number of grades within the school			
4	10,300	0.95	1.05
> or < 4	3,200	0.98	1.02
Number of days in school year			
Less than 180 days	3,600	0.96	1.04
180 days	7,500	0.95	1.05
More than 180 days	2,500	0.97	1.04
Minutes per class period			
≤ 45	3,200	0.93	1.07
46–50	2,900	0.96	1.04
51–80	3,700	0.97	1.03
≥ 81	3,800	0.96	1.04
Class periods per day			
1–4	3,900	0.96	1.05
5–6	3,400	0.98	1.02
7	3,600	0.93	1.07
8–9	2,700	0.97	1.03

See notes at end of table.

**Table I-4. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for nonresponse due to gatekeepers, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students and “other” nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
<b>IEP<sup>3</sup> percentage</b>			
≤ 5 percent	5,300	0.96	1.04
6–10 percent	3,400	0.95	1.05
11–15 percent	3,000	0.97	1.03
> 15 percent	1,800	0.94	1.06
<b>LEP<sup>4</sup> percentage</b>			
0 percent	5,900	0.97	1.04
1 percent	2,700	0.93	1.07
2–5 percent	2,200	0.95	1.05
≥ 6 percent	2,700	0.97	1.02
<b>Free or reduced-price lunch</b>			
0 percent	2,400	0.94	1.06
1–10 percent	3,100	0.94	1.06
11–30 percent	4,100	0.97	1.04
≥ 31 percent	4,000	0.97	1.03
<b>Number of full-time teachers</b>			
1–40	3,500	0.95	1.06
41–70	3,500	0.97	1.03
71–100	3,500	0.95	1.05
> 100	3,100	0.96	1.04
<b>Number of part-time teachers</b>			
0–1	3,900	0.96	1.04
2–3	4,000	0.97	1.03
4–6	3,300	0.95	1.05
≥ 7	2,400	0.95	1.06
<b>Full-time teachers certified</b>			
0–90 percent	3,400	0.96	1.04
91–99 percent	2,400	0.94	1.06
100 percent	7,700	0.96	1.04
<b>School coeducational status</b>			
Coeducational school	12,900	0.96	1.05
All-female school	320	0.95	1.05
All-male school	390	1.00	1.00
<b>Total enrollment</b>			
0–600 students	3,200	0.97	1.04
601–1,200 students	4,100	0.96	1.05
1,201–1,800 students	3,100	0.95	1.05
> 1,800 students	3,200	0.96	1.03
<b>Asian 10th-grade enrollment</b>			
≤ 2 percent	5,300	0.95	1.05
> 2 percent	8,300	0.96	1.04

See notes at end of table.

**Table I-4. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for nonresponse due to gatekeepers, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students and “other” nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
Black or African American 10th-grade enrollment			
≤ 4 percent	4,600	0.94	1.06
> 4 percent	9,000	0.97	1.04
Hispanic or Latino 10th-grade enrollment			
≤ 3 percent	5,400	0.97	1.03
> 3 percent	8,200	0.95	1.05
All other races 10th-grade enrollment			
≤ 80 percent	6,700	0.97	1.03
> 80 percent	6,900	0.95	1.05
Sex			
Male	6,600	0.95	1.05
Female	7,000	0.96	1.04
Race/ethnicity <sup>5</sup>			
Asian	1,400	0.97	1.03
Black or African American	1,800	0.95	1.06
Hispanic or Latino	2,000	0.98	1.03
All other races	8,400	0.95	1.05
Family composition			
Mother and Father	8,300	0.96	1.04
Mother and male guardian	1,600	0.95	1.06
Father and female guardian	400	0.97	1.03
Two guardians	210	0.97	1.04
Mother only	2,400	0.95	1.05
Father only	390	0.95	1.04
Single guardian	200	0.96	1.04
Lives with student less than half the year	130	0.98	1.02
Parental education			
Did not finish high school	820	0.97	1.03
Graduated from high school	2,700	0.96	1.04
Attended 2-year school, no degree	1,500	0.96	1.04
Graduated from 2-year school	1,400	0.96	1.04
Attended college, no 4-year degree	1,500	0.95	1.05
Graduated from college	3,100	0.96	1.04
Completed master’s degree or equivalent	1,700	0.95	1.05
Completed Ph.D., M.D., other advanced degree	970	0.96	1.04

See notes at end of table.

**Table I-4. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for nonresponse due to gatekeepers, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students and “other” nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
<b>Mother’s occupation</b>			
No job for pay	520	0.97	1.03
Clerical	2,200	0.95	1.05
Craftsperson	310	0.96	1.04
Farmer, farm manager or laborer	660	0.95	1.05
Homemaker	690	0.95	1.05
Manager, administrator	1,400	0.96	1.04
Military or protective service	120	0.91	1.09
Operative	570	0.97	1.03
Professional a	2,000	0.96	1.04
Professional b	540	0.97	1.03
Proprietor, owner	320	0.94	1.06
Sales	580	0.96	1.04
School teacher	910	0.95	1.05
Service	2,100	0.96	1.04
Technical	680	0.96	1.04
<b>Father’s occupation</b>			
No job for pay	140	0.95	1.06
Clerical	320	0.93	1.07
Craftsperson	1,700	0.95	1.05
Farmer, farm manager	260	0.97	1.03
Homemaker	320	0.94	1.07
Laborer	1,400	0.97	1.03
Manager, administrator	2,000	0.96	1.04
Military	180	0.97	1.04
Operative	1,500	0.96	1.04
Professional a	1,500	0.95	1.05
Professional b	820	0.95	1.05
Proprietor, owner	810	0.94	1.06
Protective service	470	0.97	1.03
Sales	720	0.97	1.03
School teacher	210	0.98	1.02
Service	540	0.94	1.06
Technical	650	0.97	1.03
<b>Socioeconomic status (SES)</b>			
Lowest quartile	3,200	0.96	1.04
Second quartile	3,200	0.96	1.04
Third quartile	3,300	0.95	1.05
Highest quartile	3,900	0.96	1.04
<b>English as native language</b>			
English is not the student’s native language	2,300	0.98	1.03
English is the student’s native language	11,200	0.95	1.05
<b>10th-grade cohort status</b>			
Not sophomore cohort member	140	1.00	1.01
Sophomore cohort member	13,400	0.96	1.04

See notes at end of table.



**Table I-4. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for nonresponse due to gatekeepers, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students and “other” nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
12th-grade cohort status			
Not senior cohort member	1,500	0.93	1.08
Senior cohort member	12,100	0.96	1.04
Income			
\$1,000 or less	210	0.98	1.02
\$1,001 to \$5,000	250	0.93	1.08
\$5,001 to \$10,000	290	0.96	1.05
\$10,001 to \$15,000	580	0.95	1.04
\$15,001 to \$20,000	650	0.96	1.04
\$20,001 to \$25,000	820	0.94	1.06
\$25,001 to \$35,000	1,600	0.96	1.04
\$35,001 to \$50,000	2,500	0.96	1.05
\$50,001 to \$75,000	2,800	0.96	1.05
\$75,001 to \$100,000	1,900	0.96	1.04
\$100,001 to \$200,000	1,600	0.97	1.03
\$200,001 or more	500	0.95	1.05
Enrollment status			
In school in grade	12,000	0.96	1.04
In school out of grade	870	0.91	1.08
Out of school	690	0.95	1.07
Out of scope	40	1.00	1.05
CHAID <sup>6</sup> segments			
CHAID segment 1 = race is Black or African American, non-Hispanic or multiracial, non-Hispanic; language spoken at home is English, Spanish, or other language; total enrollment is 601–1,200	680	0.94	1.06
CHAID segment 2 = race is American Indian/Alaska Native, non-Hispanic, Hispanic, no race specified, Hispanic, race specified, White, non-Hispanic; language spoken at home is English, Spanish, or other language; total enrollment is 601–1,200	3,000	0.96	1.04
CHAID segment 3 = race is Asian/Hawaiian pacific islander, non-Hispanic; language spoken at home is English, Spanish, or other language; total enrollment is 601–1,200	130	0.99	1.01
CHAID segment 4 = language spoken at home is -8 or other European or West/South Asian; total enrollment is 601–1,200	80	0.98	1.03
CHAID segment 5 = mother’s job is in no job for pay, craftsperson, farmer, laborer, homemaker, manager, military or protective service, operative, professional b, proprietor, sales, school teacher, technical; language spoken at home is unknown or pacific Asian/Southeast Asian; total enrollment is 601–1,200	130	0.91	1.07
CHAID segment 6 = mother’s job is in clerical, professional a, service; language spoken at home is unknown or Pacific Asian/Southeast Asian; total enrollment is 601–1,200	90	0.92	1.13

See notes at end of table.

**Table I-4. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for nonresponse due to gatekeepers, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students and “other” nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
CHAID segment 7 = father’s job is in no job for pay, farmer, homemaker, manager, military, professional a, professional b, sales, school teacher, service, technical; family composition is father and female guardian, two guardians, or father only; total enrollment is <=600 or 1,201–1,800	210	0.94	1.06
CHAID segment 8 = father’s job is in management; family composition is father and female guardian, two guardians, or father only; total enrollment is <=600 or 1,201–1,800	70	0.98	1.02
CHAID segment 9 = father’s job is in clerical, craftsperson, operative, proprietor, protective service; family composition is father and female guardian, two guardians, or father only; total enrollment is <=600 or 1,201–1,800	190	0.99	1.02
CHAID segment 10 = limited English proficiency of 1–5 percent; family composition of mom and dad, mom and male guardian, or mother only; total enrollment is <=600 or 1,201–1,800	1,900	0.93	1.07
CHAID segment 11 = limited English proficiency of 0 percent; family composition of mom and dad, mom and male guardian, or mother only; total enrollment is <=600 or 1,201–1,800	3,000	0.96	1.04
CHAID segment 12 = limited English proficiency of >= 6 percent; family composition of mom and dad, mom and male guardian, or mother only; total enrollment is <=600 or 1,201–1,800	740	0.99	1.01
CHAID segment 13 = total enrollment is <=600 or 1,201–1,800; family composition is single guardian or lives with student less than half the year	150	0.99	1.01
CHAID segment 14 = number of full time teachers is 71–100; father’s job in clerical, craftsperson, homemaker, laborer, manager, operative, professional a, professional b, sales; total enrollment is >=1,800	360	0.96	1.04
CHAID segment 15 = number of full time teachers <=70; father’s job in clerical, craftsperson, homemaker, laborer, manager, operative, professional a, professional b, sales; total enrollment is >=1,800	70	1.00	1.00
CHAID segment 16 = number of full time teachers > 100; father’s job in clerical, craftsperson, homemaker, laborer, manager, operative, professional a, professional b, sales; total enrollment is >=1,800	1,100	0.96	1.04
CHAID segment 17 = income is 5,001–10,000, 20,001–75,000; father’s job is in farming, proprietor, school teacher, service, or technical; total enrollment is >=1,800	970	0.96	1.03
CHAID segment 18 = income is <= 1,000, 10,001–20,000; father’s job is in farming, proprietor, school teacher, service, or technical; total enrollment is >=1,800	120	0.98	1.02

See notes at end of table.

**Table I-4. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for nonresponse due to gatekeepers, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students and “other” nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
CHAID segment 19 = income is 100,001–200,000; father’s job is in farming, proprietor, school teacher, service, or technical; total enrollment is >=1,800	300	0.96	1.03
CHAID segment 20 = income is 1,001–5,000, 75,001–100,000, or 200,001 or more; father’s job is in farming, proprietor, school teacher, service, or technical; total enrollment is >=1,800	50	0.96	1.03
CHAID segment 21 = parental education is did not finish high school, 2-year school with no degree, or 4-year college with no degree; father’s job is in military or protective service; total enrollment is >=1,800	50	0.95	1.04
CHAID segment 22 = parental education is graduated from high school, graduated from a 2-year school, graduated from college, completed master’s degree, or completed Ph.D., M.D., or other advanced degree; father’s job is in military or protective service; total enrollment is >= 1,800	100	0.95	1.05
CHAID segment 23 = father has no job for pay; total enrolment is >= 1,800	60	0.96	1.03

<sup>1</sup> Model predictor variables had a value of 0 or 1. Some of the listed model predictor variables were not actually in the model because they served as reference groups. For each group of variables, one of the categories (predictor variable) was used as a reference group.

<sup>2</sup> “Other” nonresponding students are students who refused to allow transcript information to be combined with ELS:2002 first follow-up data. Responding students are grouped with the “other” nonrespondents for the first nonresponse adjustment that adjusts gatekeeper refusal.

<sup>3</sup> IEP = Individualized Education Program.

<sup>4</sup> LEP = limited English proficient.

<sup>5</sup> “All other races” includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

<sup>6</sup> CHAID = chi-squared automatic interaction detection.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), “Second Follow-up, 2006.”

**Table I-5. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for other nonresponse, by selected characteristics: 2006**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
Total	13,000	0.95	1.05
School sector			
Public	10,100	0.95	1.05
Catholic	1,700	0.98	1.02
Other private	1,200	0.96	1.03
School urbanicity			
Urban	4,300	0.91	1.08
Suburban	6,300	0.97	1.03
Rural	2,400	0.97	1.03
Census Region			
Northeast	2,300	0.90	1.12
Midwest	3,400	0.97	1.03
South	4,700	0.96	1.04
West	2,700	0.97	1.03
10th-grade enrollment			
0–99	2,500	0.96	1.04
100–249	3,500	0.99	1.02
250–499	4,300	0.96	1.04
≥ 500	2,800	0.92	1.10
Type of grades within school			
K–12, PreK–10th, 1st–12th, PreK/1st–9th/12th and PreK–12 schools	830	0.97	1.03
Middle grades but no elementary	1,400	0.95	1.04
Only high school	10,800	0.95	1.05
Number of grades within the school			
4	9,900	0.95	1.05
> or < 4	3,100	0.96	1.04
Number of days in school year			
Less than 180 days	3,500	0.96	1.04
180 days	7,200	0.95	1.05
More than 180 days	2,400	0.95	1.06
Minutes per class period			
≤ 45	3,000	0.90	1.10
46–50	2,800	0.97	1.03
51–80	3,500	0.96	1.04
≥ 81	3,700	0.97	1.03
Class periods per day			
1–4	3,800	0.97	1.04
5–6	3,200	0.96	1.04
7	3,400	0.94	1.06
8–9	2,600	0.94	1.06
IEP <sup>2</sup> percentage			
≤ 5 percent	5,100	0.96	1.04
6–10 percent	3,300	0.95	1.06
11–15 percent	2,900	0.96	1.04
> 15 percent	1,700	0.93	1.08

See notes at end of table.

**Table I-5. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for other nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup>	Number of responding students	Weighted response rate	Average weight adjustment factor
LEP <sup>3</sup> percentage			
0 percent	5,800	0.97	1.03
1 percent	2,600	0.97	1.03
2–5 percent	2,100	0.94	1.07
≥ 6 percent	2,500	0.93	1.08
Free or reduced-price lunch			
0 percent	2,300	0.98	1.03
1–10 percent	3,000	0.97	1.04
11–30 percent	4,000	0.96	1.04
≥ 31 percent	3,700	0.92	1.08
Number of full-time teachers			
1–40	3,400	0.97	1.04
41–70	3,400	0.97	1.03
71–100	3,300	0.96	1.05
> 100	2,900	0.93	1.08
Number of part-time teachers			
0–1	3,600	0.92	1.09
2–3	3,900	0.97	1.03
4–6	3,200	0.97	1.03
≥ 7	2,300	0.97	1.03
Full-time teachers certified			
0–90 percent	3,300	0.92	1.06
91–99 percent	2,300	0.95	1.06
100 percent	7,400	0.96	1.04
School coeducational status			
Coeducational school	12,300	0.95	1.05
All-female school	300	0.92	1.09
All-male school	390	0.99	1.01
Total enrollment			
0–600 students	3,100	0.97	1.04
601–1,200 students	4,000	0.97	1.03
1,201–1,800 students	3,000	0.96	1.04
> 1,800 students	2,900	0.92	1.09
Asian 10th-grade enrollment			
≤ 2 percent	5,100	0.95	1.04
> 2 percent	7,900	0.95	1.05
Black or African American 10th-grade enrollment			
≤ 4 percent	4,500	0.98	1.02
> 4 percent	8,500	0.94	1.06
Hispanic or Latino 10th-grade enrollment			
≤ 3 percent	5,200	0.97	1.03
> 3 percent	7,800	0.94	1.06
All other races 10th-grade enrollment			
≤ 80 percent	6,300	0.93	1.07
> 80 percent	6,700	0.98	1.03

See notes at end of table.

**Table I-5. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for other nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup>	Number of responding students	Weighted response rate	Average weight adjustment factor
<b>Sex</b>			
Male	6,300	0.95	1.05
Female	6,700	0.95	1.05
<b>Race/ethnicity<sup>4</sup></b>			
Asian	1,300	0.92	1.09
Black or African American	1,700	0.92	1.07
Hispanic or Latino	1,900	0.91	1.09
All other races	8,200	0.97	1.03
<b>Family composition</b>			
Mother and father	8,000	0.96	1.04
Mother and male guardian	1,500	0.95	1.06
Father and female guardian	370	0.93	1.07
Two guardians	200	0.93	1.07
Mother only	2,300	0.93	1.07
Father only	380	0.96	1.04
Single guardian	190	0.94	1.05
Lives with student less than half the year	130	0.96	1.04
<b>Parental education</b>			
Did not finish high school	770	0.92	1.08
Graduated from high school	2,500	0.95	1.05
Attended 2-year school, no degree	1,400	0.95	1.05
Graduated from 2-year school	1,400	0.96	1.04
Attended college, no 4-year degree	1,400	0.94	1.06
Graduated from college	3,000	0.96	1.04
Completed master's degree or equivalent	1,600	0.95	1.05
Completed Ph.D., M.D., other advanced degree	930	0.96	1.04
<b>Mother's Occupation</b>			
No job for pay	490	0.94	1.07
Clerical	2,100	0.95	1.04
Craftsperson	300	0.96	1.04
Farmer, farm manager or laborer	630	0.95	1.06
Homemaker	650	0.94	1.06
Manager, administrator	1,400	0.96	1.04
Military or protective service	110	0.94	1.07
Operative	540	0.95	1.05
Professional a	1,900	0.96	1.04
Professional b	510	0.94	1.07
Proprietor, owner	310	0.98	1.04
Sales	550	0.95	1.06
School teacher	880	0.97	1.03
Service	2,000	0.94	1.06
Technical	650	0.95	1.05

See notes at end of table.

**Table I-5. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for other nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup>	Number of responding students	Weighted response rate	Average weight adjustment factor
<b>Father's occupation</b>			
No job for pay	130	0.92	1.10
Clerical	300	0.93	1.07
Craftsperson	1,600	0.95	1.05
Farmer, farm manager	250	0.96	1.03
Homemaker	310	0.97	1.03
Laborer	1,300	0.94	1.06
Manager, administrator	1,900	0.95	1.05
Military	170	0.95	1.06
Operative	1,500	0.95	1.04
Professional a	1,400	0.97	1.04
Professional b	790	0.97	1.03
Proprietor, owner	780	0.96	1.04
Protective service	450	0.95	1.07
Sales	680	0.95	1.05
School teacher	200	0.94	1.06
Service	510	0.94	1.05
Technical	620	0.96	1.05
<b>Socioeconomic status (SES)</b>			
Lowest quartile	3,000	0.94	1.07
Second quartile	3,000	0.95	1.05
Third quartile	3,100	0.95	1.05
Highest quartile	3,800	0.97	1.03
<b>English as native language</b>			
English is not the student's native language	2,200	0.91	1.10
English is the student's native language	10,800	0.96	1.04
<b>10th-grade cohort status</b>			
Not sophomore cohort member	130	0.96	1.05
Sophomore cohort member	12,900	0.95	1.05
<b>12th-grade cohort status</b>			
Not senior cohort member	1,300	0.87	1.14
Senior cohort member	11,700	0.97	1.04
<b>Income</b>			
\$1,000 or less	200	0.94	1.06
\$1,001 to \$5,000	230	0.91	1.11
\$5,001 to \$10,000	270	0.92	1.09
\$10,001 to \$15,000	540	0.92	1.08
\$15,001 to \$20,000	610	0.93	1.07
\$20,001 to \$25,000	770	0.93	1.07
\$25,001 to \$35,000	1,500	0.96	1.05
\$35,001 to \$50,000	2,400	0.95	1.05
\$50,001 to \$75,000	2,700	0.96	1.04
\$75,001 to \$100,000	1,800	0.96	1.04
\$100,001 to \$200,000	1,500	0.97	1.03
\$200,001 or more	480	0.97	1.04

See notes at end of table.

**Table I-5. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for other nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup>	Number of responding students	Weighted response rate	Average weight adjustment factor
<b>Enrollment Status</b>			
In school in grade	11,600	0.97	1.04
In school out of grade	780	0.90	1.11
Out of school	590	0.85	1.17
Out of scope	30	0.85	1.23
<b>CHAID<sup>5</sup> segments</b>			
CHAID segment 1 = mother's job is in proprietor; language spoken at home is English; F1 enrollment status – spring 2004 of enrolled base-year school	190	1.00	1.01
CHAID segment 2 = mother's job is in manager, professional a, school teacher, service; language spoken at home is English; F1 enrollment status – spring 2004 of enrolled base-year school	4,200	0.99	1.01
CHAID segment 3 = mother's job is in no job for pay, farmer, military; language spoken at home is English; F1 enrollment status – spring 2004 of enrolled base-year school	160	1.00	1.00
CHAID segment 4 = mother's job is in clerical, craftsperson, laborer, operative, technical; language spoken at home is English; F1 enrollment status – spring 2004 of enrolled base-year school	2,500	0.98	1.02
CHAID segment 5 = mother's job is in homemaker, professional b, protective service, sales; language spoken at home is English; F1 enrollment status – spring 2004 of enrolled base-year school	1,100	0.97	1.03
CHAID segment 6 = language spoken at home is -8 or other European; F1 enrollment status – spring 2004 of enrolled base-year school	90	1.00	1.00
CHAID segment 7 = father's job is in craftsperson, manager, operative, sales; language spoken at home is unknown, Spanish, West/South Asian, or other language; F1 enrollment status – spring 2004 of enrolled base-year school	480	0.94	1.07
CHAID segment 8 = father's job is in clerical, no job for pay, laborer, military, professional a, proprietor, protective service, school teacher, service, or technical; language spoken at home is unknown, Spanish, West/South Asian, or other language; F1 enrollment status – spring 2004 of enrolled base-year school	510	0.89	1.14
CHAID segment 9 = father's job is in farmer, homemaker, professional b; language spoken at home is unknown, Spanish, West/South Asian, or other language; F1 enrollment status – spring 2004 of enrolled base-year school	130	1.00	1.00
CHAID segment 10 = number of minutes per class period is >=81; language spoken at home is pacific Asian/Southeast Asian; F1 enrollment status – spring 2004 of enrolled base-year school	100	1.00	1.00

See notes at end of table.



**Table I-5. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for other nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup>	Number of responding students	Weighted response rate	Average weight adjustment factor
CHAID segment 11 = number of minutes per class period is 46–80; language spoken at home is Pacific Asian/Southeast Asian; F1 enrollment status – spring 2004 of enrolled base-year school	320	0.98	1.02
CHAID segment 12 = number of minutes per class period is <= 45; language spoken at home is Pacific Asian/Southeast Asian; F1 enrollment status – spring 2004 of enrolled base-year school	100	0.83	1.19
CHAID segment 13 = father's job in clerical, homemaker, military, professional a, professional b, protective service, sales, service; minutes per class period is 46 or more; F1 enrollment status – spring 2004 of enrolled transfer school or graduated early or early GED	460	0.97	1.04
CHAID segment 14 = father's job is in craftsperson, laborer, manager, operative, proprietor, technical; minutes per class period is 46 or more; F1 enrollment status – spring 2004 of enrolled transfer school or graduated early or early GED	820	0.92	1.08
CHAID segment 15 = father's job is in no job for pay, farmer, school teacher; minutes per class period is 46 or more; F1 enrollment status – spring 2004 of enrolled transfer school or graduated early or early GED	50	1.00	1.00
CHAID segment 16 = 10th-grade enrollment of <100 or >=250; minutes per class period is <=45; F1 enrollment status – spring 2004 of enrolled transfer school or graduated early or early GED	200	0.74	1.29
CHAID segment 17 = 10th-grade enrollment of 100–249; minutes per class period is <=45; F1 enrollment status – spring 2004 of enrolled transfer school or graduated early or early GED	80	1.00	1.01
CHAID segment 18 = family composition of father only, single guardian, or lives with student less than half the year; 10th-grade enrollment of 0–99 or 250–499; F1 enrollment status – spring 2004 of unknown, dropped out, homeschooled, or out of scope	50	1.00	1.00
CHAID segment 19 = family composition of mother and father, mother and male guardian, father and female guardian, two guardians, or mother only; 10th-grade enrollment of 0–99 or 250–499; F1 enrollment status – spring 2004 of unknown, dropped out, homeschooled, or out of scope	730	0.87	1.16
CHAID segment 20 = income of 5,001–10,000, 25,001–100,000; 10th-grade enrollment of 100–249; F1 enrollment status – spring 2004 of unknown, dropped out, homeschooled, or out of scope	200	0.93	1.07
CHAID segment 21 = income of <=5,000, 10,001–25,000, or >=100,001; 10th-grade enrollment of 100–249; F1 enrollment status – spring 2004 of unknown, dropped out, homeschooled, or out of scope	110	1.00	1.00

See notes at end of table.

**Table I-5. Average weight adjustment factors used to adjust the cross-sectional transcript weight F2QTSCWT for other nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup>	Number of responding students	Weighted response rate	Average weight adjustment factor
CHAID segment 22 = Hispanic or Latino 10th-grade enrollment <=3 percent; 10th-grade enrollment of >=500; F1 enrollment status – spring 2004 of unknown, dropped out, homeschooled, or out of scope	40	0.58	1.70
CHAID segment 23 = Hispanic or Latino 10th-grade enrollment > 3 percent ; 10th-grade enrollment of >=500; F1 enrollment status – spring 2004 of unknown, dropped out, homeschooled, or out of scope	350	0.85	1.17

<sup>1</sup> Model predictor variables had a value of 0 or 1. Some of the listed model predictor variables were not actually in the model because they served as reference groups. For each group of variables, one of the categories (predictor variable) was used as a reference group.

<sup>2</sup> IEP = Individualized Education Program.

<sup>3</sup> LEP = limited English proficient.

<sup>4</sup> "All other races" includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

<sup>5</sup> CHAID = chi-squared automatic interaction detection.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Table I-6. Average weight adjustment factors for calibrating the cross-sectional transcript weight F2QTSCWT to control totals, by selected characteristics: 2006**

Model variable <sup>1</sup>	Control total <sup>2</sup>	Average weight adjustment factor
Total	3,409,400	1.00
Census region		
Northeast	633,100	1.01
Midwest	824,400	1.00
South	1,175,800	1.00
West	776,000	1.00
School sector		
Public	3,148,000	1.00
Catholic	144,000	1.00
Other private	117,400	1.00
Sex		
Male	1,702,500	1.00
Female	1,706,900	1.00
Race/ethnicity <sup>3</sup>		
Asian	145,100	1.00
Black or African American	488,500	1.00
Hispanic or Latino	559,000	1.01
All other races	2,216,800	1.00
10th-grade cohort status		
Not a sophomore cohort member	49,300	1.00
Sophomore cohort member	3,360,100	1.00
12th-grade cohort status		
Not a senior cohort member	477,300	1.02
Senior cohort member	2,932,100	1.00
10th-grade cohort status and race/ethnicity		
Not sophomore cohort, Hispanic	17,300	1.03
Asian nonsophomore cohort member	4,100	0.99
Black nonsophomore cohort member	5,500	0.95
White/other nonsophomore cohort member	22,300	1.00
Hispanic sophomore cohort member	541,700	1.01
Asian sophomore cohort member	141,000	1.00
Black sophomore cohort member	483,000	1.00
White/other sophomore cohort member	2,194,500	1.00
Region and 10th-grade cohort status		
Nonsophomore cohort member – Northeast	11,300	1.00
Nonsophomore cohort member – Midwest	6,700	0.97
Nonsophomore cohort member – South	18,800	1.03
Nonsophomore cohort member – West	12,600	0.99
Sophomore cohort member – Northeast	621,900	1.01
Sophomore cohort member – Midwest	817,700	1.00
Sophomore cohort member – South	1,157,000	1.00
Sophomore cohort member – West	763,500	1.00
School sector and 10th-grade cohort status		
Public school nonsophomore cohort member	46,300	1.00
Catholic school nonsophomore cohort member	50	0.99
Other private school nonsophomore cohort member	2,900	1.03
Public school sophomore cohort member	3,101,700	1.00
Catholic school sophomore cohort member	143,900	1.00
Other private school sophomore cohort member	114,500	1.00

See notes at end of table.

**Table I-6. Average weight adjustment factors for calibrating the cross-sectional transcript weight F2QTSCWT to control totals, by selected characteristics: 2006—Continued**

Model variable <sup>1</sup>	Control total <sup>2</sup>	Average weight adjustment factor
<b>Sex and 10th-grade cohort status</b>		
Male nonsophomore cohort member	28,400	1.04
Female nonsophomore cohort member	20,900	0.96
Male sophomore cohort member	1,674,100	1.00
Female sophomore cohort member	1,686,000	1.00
<b>12th-grade cohort status and race/ethnicity</b>		
Not senior cohort, Hispanic	116,900	0.98
Asian nonsenior cohort member	12,700	1.10
Black nonsenior cohort member	98,100	1.07
White/other nonsenior cohort member	249,500	1.01
Asian senior cohort member	132,400	1.00
Black senior cohort member	390,300	0.99
Hispanic senior cohort member	442,000	1.01
White/other senior cohort member	1,967,300	1.00
<b>Region and 12th-grade cohort status</b>		
Nonsenior cohort member – Northeast	78,400	1.13
Nonsenior cohort member – Midwest	99,600	1.04
Nonsenior cohort member – South	184,500	0.98
Nonsenior cohort member – West	114,800	1.01
Senior cohort member – Northeast	554,700	1.00
Senior cohort member – Midwest	724,800	1.00
Senior cohort member – South	991,300	1.00
Senior cohort member – West	661,300	1.00
<b>School sector and 12th-grade cohort status</b>		
Public school nonsenior cohort member	464,400	1.01
Catholic school nonsenior cohort member	3,400	0.96
Other private school nonsenior cohort member	9,500	1.15
Public school senior cohort member	2,683,600	1.00
Catholic school senior cohort member	140,600	1.00
Other private school senior cohort member	107,900	1.00
<b>Sex and 12th-grade cohort status</b>		
Male nonsenior cohort member	259,700	1.04
Female nonsenior cohort member	217,600	1.00
Male senior cohort member	1,442,800	1.00
Female senior cohort member	1,489,300	1.00

<sup>1</sup> Model variables had a value of 0 or 1.

<sup>2</sup> The control totals were calculated using the second follow-up weight sums calculated from F2QWT.

<sup>3</sup> "All other races" includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Table I-7. Average weight adjustment factors used to adjust the panel weight F2F1WT for nonresponse due to nonfielded cases, by selected characteristics: 2006**

Model predictor variables <sup>1</sup>	Number of responding students and "other" nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
Total	15,800	0.96	1.08
School sector			
Public	12,400	0.96	1.08
Catholic	2,000	0.96	1.04
Other private	1,400	0.95	1.15
School urbanicity			
Urban	5,400	0.94	1.11
Suburban	7,600	0.96	1.07
Rural	2,900	0.97	1.06
Census region			
Northeast	2,900	0.94	1.12
Midwest	4,000	0.95	1.07
South	5,800	0.97	1.06
West	3,200	0.96	1.11
10th-grade enrollment			
0–99	3,100	0.98	1.08
100–249	4,000	0.97	1.05
250–499	5,100	0.95	1.08
≥ 500	3,700	0.94	1.12
Type of grades within school			
K–12, PreK–10th, 1st–12th, PreK/1st–9th/12th and PreK–12 schools	1,000	0.97	1.18
Middle grades but no elementary	1,700	0.97	1.04
Only high school	13,100	0.96	1.08
Number of grades within the school			
4	12,100	0.96	1.08
> or < 4	3,700	0.95	1.10
Number of days in school year			
Less than 180 days	4,100	0.97	1.07
180 days	8,800	0.96	1.08
More than 180 days	2,900	0.94	1.11
Minutes per class period			
≤ 45	3,800	0.94	1.10
46–50	3,400	0.96	1.08
51–80	4,200	0.96	1.09
≥ 81	4,500	0.97	1.06
Class periods per day			
1–4	4,600	0.97	1.06
5–6	3,900	0.95	1.10
7	4,300	0.96	1.08
8–9	3,100	0.95	1.10

See notes at end of table.

**Table I-7. Average weight adjustment factors used to adjust the panel weight F2F1WT for nonresponse due to non-fielded cases, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students and “other” nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
IEP <sup>3</sup> percentage			
≤ 5 percent	6,100	0.95	1.09
6–10 percent	4,100	0.95	1.08
11–15 percent	3,500	0.97	1.06
> 15 percent	2,100	0.95	1.12
LEP <sup>4</sup> percentage			
0 percent	6,800	0.96	1.07
1 percent	3,100	0.96	1.07
2–5 percent	2,600	0.94	1.09
≥ 6 percent	3,200	0.95	1.12
Free or reduced-price lunch			
0 percent	2,800	0.95	1.08
1–10 percent	3,600	0.94	1.09
11–30 percent	4,700	0.97	1.08
≥ 31 percent	4,700	0.96	1.08
Number of full-time teachers			
1–40	4,100	0.97	1.06
41–70	4,000	0.97	1.06
71–100	4,100	0.95	1.10
> 100	3,700	0.94	1.10
Number of part-time teachers			
0–1	4,600	0.96	1.08
2–3	4,600	0.97	1.07
4–6	3,800	0.96	1.08
≥ 7	2,800	0.94	1.10
Full-time teachers certified			
0–90 percent	4,000	0.95	1.09
91–99 percent	2,800	0.95	1.08
100 percent	8,900	0.96	1.08
School coeducational status			
Coeducational school	15,000	0.96	1.08
All-female school	370	0.93	1.06
All-male school	430	0.97	1.03
Total enrollment			
0–600 students	3,700	0.98	1.07
601–1,200 students	4,700	0.96	1.07
1,201–1,800 students	3,600	0.96	1.07
> 1,800 students	3,800	0.94	1.12
Asian 10th-grade enrollment			
≤ 2 percent	6,100	0.96	1.07
> 2 percent	9,700	0.96	1.09

See notes at end of table.

**Table I-7. Average weight adjustment factors used to adjust the panel weight F2F1WT for nonresponse due to nonfielded cases, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students and “other” nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
Black or African American 10th-grade enrollment			
≤ 4 percent	5,400	0.96	1.07
> 4 percent	10,400	0.95	1.09
Hispanic or Latino 10th-grade enrollment			
≤ 3 percent	6,100	0.95	1.07
> 3 percent	9,700	0.96	1.09
All other races 10th-grade enrollment			
≤ 80 percent	7,900	0.95	1.09
> 80 percent	7,900	0.96	1.07
Sex			
Male	7,800	0.95	1.09
Female	8,000	0.96	1.08
Race/ethnicity <sup>5</sup>			
Asian	1,600	1.00	1.11
Black or African American	2,100	1.00	1.02
Hispanic or Latino	2,300	1.00	1.02
All other races	9,800	0.94	1.11

<sup>1</sup> Model predictor variables had a value of 0 or 1. Some of the listed model predictor variables were not actually in the model because they served as reference groups. For each group of variables, one of the categories (predictor variable) was used as a reference group.

<sup>2</sup> “Other” nonresponding students are students who were nonrespondents among those sample members fielded for the second follow-up. Responding students are grouped with the “other” nonrespondents for the first nonresponse adjustment that adjusts nonfielded cases.

<sup>3</sup> IEP = Individualized Education Program.

<sup>4</sup> LEP = limited English proficient.

<sup>5</sup> “All other races” includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), “Second Follow-up, 2006.”

**Table I-8. Average weight adjustment factors used to adjust the panel weight for F2F1WT refusal nonresponse, by selected characteristics: 2006**

Model predictor variables <sup>1</sup>	Number of responding students	Weighted response rate	Average weight adjustment factor
Total	13,400	0.84	1.19
School sector			
Public	10,400	0.84	1.20
Catholic	1,800	0.90	1.11
Other private	1,200	0.87	1.17
School urbanicity			
Urban	4,500	0.82	1.20
Suburban	6,400	0.84	1.18
Rural	2,400	0.86	1.17
Census Region			
Northeast	2,500	0.85	1.18
Midwest	3,400	0.85	1.16
South	4,800	0.84	1.18
West	2,700	0.82	1.24
10th-grade enrollment			
0–99	2,600	0.86	1.17
100–249	3,500	0.87	1.14
250–499	4,300	0.84	1.20
≥ 500	3,000	0.81	1.24
Type of grades within school			
K–12, PreK–10th, 1st–12th, PreK/1st–9th/12th and PreK–12 schools	900	0.88	1.17
Middle grades but no elementary	1,400	0.85	1.17
Only high school	11,100	0.84	1.19
Number of grades within the school			
4	10,200	0.84	1.19
> or < 4	3,200	0.85	1.18
Number of days in school year			
Less than 180 days	3,500	0.85	1.16
180 days	7,400	0.84	1.19
More than 180 days	2,400	0.82	1.22
Minutes per class period			
≤ 45	3,200	0.85	1.17
46–50	2,900	0.85	1.17
51–80	3,500	0.83	1.21
≥ 81	3,700	0.83	1.20
Class periods per day			
1–4	3,800	0.84	1.19
5–6	3,200	0.83	1.21
7	3,600	0.84	1.19
8–9	2,700	0.87	1.15

See notes at end of table.



**Table I-8. Average weight adjustment factors used to adjust the panel weight for F2F1WT refusal nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
<b>IEP<sup>2</sup> percentage</b>			
≤ 5 percent	5,300	0.85	1.16
6–10 percent	3,400	0.84	1.20
11–15 percent	2,900	0.83	1.20
> 15 percent	1,800	0.83	1.22
<b>LEP<sup>3</sup> percentage</b>			
0 percent	5,900	0.86	1.15
1 percent	2,600	0.85	1.18
2–5 percent	2,200	0.84	1.20
≥ 6 percent	2,600	0.80	1.26
<b>Free or reduced-price lunch</b>			
0 percent	2,500	0.87	1.14
1–10 percent	3,100	0.86	1.17
11–30 percent	3,900	0.83	1.20
≥ 31 percent	3,900	0.82	1.22
<b>Number of full-time teachers</b>			
1–40	3,500	0.86	1.16
41–70	3,400	0.85	1.17
71–100	3,400	0.83	1.21
> 100	3,000	0.83	1.21
<b>Number of part-time teachers</b>			
0–1	3,800	0.82	1.21
2–3	3,900	0.85	1.18
4–6	3,200	0.84	1.19
≥ 7	2,400	0.86	1.17
<b>Full-time teachers certified</b>			
0–90 percent	3,400	0.84	1.18
91–99 percent	2,400	0.83	1.20
100 percent	7,600	0.84	1.19
<b>School coeducational status</b>			
Coeducational school	12,700	0.84	1.19
All-female school	340	0.92	1.08
All-male school	380	0.88	1.14
<b>Total enrollment</b>			
0–600 students	3,200	0.87	1.16
601–1,200 students	4,100	0.85	1.17
1,201–1,800 students	3,000	0.83	1.20
> 1,800 students	3,100	0.82	1.22
<b>Asian 10th-grade enrollment</b>			
≤ 2 percent	5,200	0.84	1.17
> 2 percent	8,200	0.84	1.20

See notes at end of table.

**Table I-8. Average weight adjustment factors used to adjust the panel weight for F2F1WT refusal nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
Black or African American 10th-grade enrollment			
≤ 4 percent	4,600	0.85	1.18
> 4 percent	8,800	0.84	1.19
Hispanic or Latino 10th-grade enrollment			
≤ 3 percent	5,200	0.86	1.16
> 3 percent	8,100	0.83	1.20
All other races 10th-grade enrollment			
≤ 80 percent	6,500	0.82	1.22
> 80 percent	6,800	0.86	1.16
Sex			
Male	6,500	0.82	1.22
Female	6,900	0.86	1.16
Race/ethnicity <sup>4</sup>			
Asian	1,300	0.84	1.20
Black or African American	1,700	0.82	1.21
Hispanic or Latino	1,900	0.82	1.21
All other races	8,400	0.85	1.18
Family composition			
Mother and father	8,200	0.87	1.16
Mother and male guardian	1,500	0.81	1.23
Father and female guardian	380	0.76	1.30
Two guardians	200	0.73	1.34
Mother only	2,300	0.82	1.21
Father only	380	0.78	1.29
Single guardian	200	0.76	1.31
Lives with student less than half the year	130	0.81	1.22
Parental education			
Did not finish high school	790	0.81	1.23
Graduated from high school	2,600	0.81	1.24
Attended 2-year school, no degree	1,400	0.84	1.19
Graduated from 2-year school	1,400	0.85	1.18
Attended college, no 4-year degree	1,500	0.82	1.21
Graduated from college	3,100	0.86	1.16
Completed master's degree or equivalent	1,700	0.88	1.14
Completed Ph.D., M.D., other advanced degree	970	0.88	1.14
Mother's occupation			
No job for pay	510	0.84	1.20
Clerical	2,200	0.84	1.18
Craftsperson	300	0.83	1.21
Farmer, farm manager or laborer	640	0.82	1.22
Homemaker	660	0.75	1.33
Manager, administrator	1,400	0.84	1.19
Military or protective service	120	0.84	1.19

See notes at end of table.

**Table I-8. Average weight adjustment factors used to adjust the panel weight for F2F1WT refusal nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
Mother's occupation—Continued			
Operative	550	0.83	1.20
Professional a	2,000	0.87	1.14
Professional b	520	0.86	1.17
Proprietor, owner	310	0.80	1.24
Sales	580	0.83	1.20
School teacher	930	0.91	1.11
Service	2,000	0.82	1.22
Technical	670	0.88	1.14
Father's occupation			
No job for pay	140	0.80	1.25
Clerical	320	0.84	1.18
Craftsperson	1,700	0.84	1.19
Farmer, farm manager	260	0.87	1.17
Homemaker	310	0.75	1.33
Laborer	1,400	0.82	1.22
Manager, administrator	2,000	0.84	1.18
Military	170	0.83	1.20
Operative	1,500	0.83	1.20
Professional a	1,500	0.86	1.15
Professional b	830	0.87	1.16
Proprietor, owner	800	0.84	1.18
Protective service	460	0.86	1.16
Sales	700	0.86	1.17
School teacher	210	0.96	1.04
Service	530	0.79	1.26
Technical	630	0.83	1.20
Socioeconomic status (SES)			
Lowest quartile	3,100	0.81	1.23
Second quartile	3,100	0.82	1.22
Third quartile	3,200	0.83	1.20
Highest quartile	4,000	0.89	1.13
English as native Language			
English is not the student's native language	2,300	0.82	1.21
English is the student's native language	11,100	0.84	1.18
10th-grade cohort status			
Not sophomore cohort member	140	0.87	1.16
Sophomore cohort member	13,200	0.84	1.19
12th-grade cohort status			
Not senior cohort member	1,300	0.66	1.50
Senior cohort member	12,000	0.87	1.15

See notes at end of table.

**Table I-8. Average weight adjustment factors used to adjust the panel weight for F2F1WT refusal nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
<b>Income</b>			
\$1,000 or less	200	0.83	1.20
\$1,001 to \$5,000	240	0.78	1.27
\$5,001 to \$10,000	280	0.83	1.22
\$10,001 to \$15,000	550	0.81	1.23
\$15,001 to \$20,000	620	0.81	1.23
\$20,001 to \$25,000	810	0.83	1.21
\$25,001 to \$35,000	1,500	0.81	1.23
\$35,001 to \$50,000	2,500	0.84	1.19
\$50,001 to \$75,000	2,800	0.86	1.16
\$75,001 to \$100,000	1,800	0.84	1.18
\$100,001 to \$200,000	1,600	0.86	1.16
\$200,001 or more	500	0.89	1.12
<b>CHAID5 segments</b>			
CHAID segment 1 = parental education of attended 2-year school, no degree, graduated from 2- year school, attended college, no 4-year degree, graduated from college, completed Ph.D., M.D., or other advanced degree; individualized education program <= 15 percent; and public school in Midwest or public school in South or private school in West	3,200	0.85	1.18
CHAID segment 2 = parental education of did not finish high school, graduated high school, or completed master's degree; individualized education program <= 15 percent; and public school in Midwest or public school in South or private school in West	1,900	0.82	1.22
CHAID segment 3 = <= 6 class periods per day; individualized education program > 15 percent; and public school in Midwest or public school in South or private school in West	490	0.81	1.24
CHAID segment 4 = > 6 class periods per day; individualized education program > 15 percent; and public school in Midwest or public school in South or private school in West	380	0.83	1.20
CHAID segment 5 = 0 or 1 part-time teachers; 1–4 or 7 class periods per day; public school in Northeast or West	420	0.81	1.24
CHAID segment 6 = > 1 part-time teachers; 1–4 or 7 class periods per day; public school in Northeast or West	1,200	0.84	1.20
CHAID segment 7 = individualized education program <=10 percent or > 15 percent; 5–6 or 8–9 class periods per day; public school in Northeast or West	1,800	0.83	1.23
CHAID segment 8 = individualized education program 11–15 percent; 5–6 or 8–9 class periods per day; public school in Northeast or West	590	0.81	1.24
CHAID segment 9 = grades within school are K–12, PreK–10th, 1st–12th, PreK/1st–9th/12th and PreK–12 schools and only high school; family composition of mother and father, mother and male guardian, mother only, or father only; public school in Midwest or private school in Midwest or private school in South	2,400	0.88	1.13

See notes at end of table.

**Table I-8. Average weight adjustment factors used to adjust the panel weight for F2F1WT refusal nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
CHAID segment 10 = grades within school are middle grades but no elementary; family composition of mother and father, mother and male guardian, mother only, or father only; public school in Midwest or private school in Midwest or private school in South	220	0.88	1.13
CHAID segment 11 = family composition of single guardian or two guardians; public school in Midwest or private school in Midwest or private school in South	40	0.86	1.15
CHAID segment 12 = family composition of father and female guardian, lives with student less than half the year, or male guardian only; public school in Midwest or private school in Midwest or private school in South	80	0.86	1.13
CHAID segment 13 = Black 10th-grade enrollment > 4 percent; limited English proficiency of 0, 1, or >= 6 percent; private school in Northeast	220	0.87	1.17
CHAID segment 14 = Black 10th-grade enrollment <= 4 percent; limited English proficiency of 0, 1, or >= 6 percent; private school in Northeast	370	0.89	1.12
CHAID segment 15 = limited English proficiency of 2–5 percent; private school in Northeast	60	0.87	1.16

<sup>1</sup> Model predictor variables had a value of 0 or 1. Some of the listed model predictor variables were not actually in the model because they served as reference groups. For each group of variables, one of the categories (predictor variable) was used as a reference group.

<sup>2</sup> IEP = Individualized Education Program.

<sup>3</sup> LEP = limited English proficient.

<sup>4</sup> “All other races” includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

<sup>5</sup> CHAID = chi-squared automatic interaction detection.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), “Second Follow-up, 2006.”

**Table I-9. Average weight adjustment factors for calibrating the panel weight F2F1WT to control totals, by selected characteristics: 2006**

Model variable <sup>1</sup>	Control total <sup>2</sup>	Average weight adjustment factor
Total	3,523,300	1.02
Census region		
Northeast	650,400	1.01
Midwest	850,100	1.01
South	1,212,200	1.01
West	810,600	1.03
School sector		
Public	3,257,900	1.02
Catholic	145,900	1.01
Other private	119,500	1.02
Sex		
Male	1,785,700	0.99
Female	1,737,600	1.04
Race/ethnicity <sup>3</sup>		
Asian	149,500	1.05
Black or African American	505,100	1.06
Hispanic or Latino	582,100	1.07
All other races	2,286,700	0.99
10th-grade cohort status		
Not a sophomore cohort member	63,900	1.14
Sophomore cohort member	3,459,400	1.01
12th-grade cohort status		
Not a senior cohort member	516,200	0.97
Senior cohort member	3,007,100	1.02
10th-grade cohort status and race/ethnicity		
Not sophomore cohort, Hispanic	20,800	1.17
Asian nonsophomore cohort member	4,800	1.12
Black nonsophomore cohort member	6,300	1.28
White/other nonsophomore cohort member	32,000	1.11
Hispanic sophomore cohort member	561,300	1.06
Asian sophomore cohort member	144,700	1.04
Black sophomore cohort member	498,800	1.06
White/other sophomore cohort member	2,254,600	0.99
Region and 10th-grade cohort status		
Nonsophomore cohort member – Northeast	13,100	1.15
Nonsophomore cohort member – Midwest	11,000	1.05
Nonsophomore cohort member – South	22,900	1.21
Nonsophomore cohort member – West	16,900	1.09
Sophomore cohort member – Northeast	637,300	1.01
Sophomore cohort member – Midwest	839,100	1.01
Sophomore cohort member – South	1,189,300	1.01
Sophomore cohort member – West	793,700	1.03
School sector and 10th-grade cohort status		
Public school nonsophomore cohort member	60,500	1.14
Catholic school nonsophomore cohort member	50	1.12
Other private school nonsophomore cohort member	3,300	1.18

See notes at end of table.

**Table I-9. Average weight adjustment factors for calibrating the panel weight F2F1WT to control totals, by selected characteristics: 2006—Continued**

Model variable <sup>1</sup> —Continued	Control total <sup>2</sup>	Average weight adjustment factor
Public school sophomore cohort member	3,197,400	1.01
Catholic school sophomore cohort member	145,800	1.01
Other private school sophomore cohort member	116,200	1.02
<b>Sex and 10th-grade cohort status</b>		
Male nonsophomore cohort member	37,200	1.20
Female nonsophomore cohort member	26,600	1.08
Male sophomore cohort member	1,748,500	0.98
Female sophomore cohort member	1,710,900	1.04
<b>12th-grade cohort status and race/ethnicity</b>		
Not senior cohort, Hispanic	129,500	0.97
Asian nonsenior cohort member	14,000	0.95
Black nonsenior cohort member	103,200	1.01
White/other nonsenior cohort member	269,600	0.95
Hispanic senior cohort member	452,600	1.09
Asian senior cohort member	135,400	1.06
Black senior cohort member	401,900	1.07
White/other senior cohort member	2,017,100	0.99
<b>Region and 12th-grade cohort status</b>		
Nonsenior cohort member – Northeast	85,200	1.05
Nonsenior cohort member – Midwest	107,600	0.96
Nonsenior cohort member – South	197,300	0.93
Nonsenior cohort member – West	126,100	1.00
Senior cohort member – Northeast	565,100	1.01
Senior cohort member – Midwest	742,600	1.01
Senior cohort member – South	1,014,900	1.02
Senior cohort member – West	684,500	1.03
<b>School sector and 12th-grade cohort status</b>		
Public school nonsenior cohort member	502,800	0.97
Catholic school nonsenior cohort member	3,500	1.09
Other private school nonsenior cohort member	9,900	0.96
Public school senior cohort member	2,755,100	1.02
Catholic school senior cohort member	142,300	1.01
Other private school senior cohort member	109,600	1.02
<b>Sex and 12th-grade cohort status</b>		
Male nonsenior cohort member	287,100	0.95
Female nonsenior cohort member	229,100	0.99
Male senior cohort member	1,498,600	0.99
Female senior cohort member	1,508,500	1.05

<sup>1</sup> Model variables had a value of 0 or 1.

<sup>2</sup> The control totals were calculated using the first follow-up expanded weight sums

<sup>3</sup> "All other races" includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Table I-10. Average weight adjustment factors used to adjust the panel weight F2BYWT for nonresponse due to nonfielded cases, by selected characteristics: 2006**

Model predictor variables <sup>1</sup>	Number of responding students and "other" nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
Total	15,700	0.96	1.08
School sector			
Public	12,300	0.96	1.08
Catholic	2,000	0.96	1.04
Other private	1,400	0.95	1.14
School urbanicity			
Urban	5,300	0.95	1.10
Suburban	7,500	0.96	1.07
Rural	2,900	0.98	1.06
Census region			
Northeast	2,900	0.94	1.11
Midwest	3,900	0.96	1.07
South	5,700	0.97	1.05
West	3,200	0.96	1.11
10th-grade enrollment			
0–99	3,100	0.98	1.08
100–249	4,000	0.98	1.05
250–499	5,000	0.95	1.08
≥ 500	3,600	0.95	1.11
Type of grades within school			
K–12, PreK–10th, 1st–12th, PreK/1st–9th/12th and PreK–12 schools	1,000	0.97	1.18
Middle grades but no elementary	1,700	0.98	1.04
Only high school	13,100	0.96	1.08
Number of grades within the school			
4	12,000	0.96	1.07
> or < 4	3,700	0.96	1.10
Number of days in school year			
Less than 180 days	4,100	0.97	1.07
180 days	8,700	0.96	1.08
More than 180 days	2,900	0.94	1.10
Minutes per class period			
≤ 45	3,700	0.94	1.10
46–50	3,400	0.96	1.08
51–80	4,200	0.96	1.09
≥ 81	4,400	0.97	1.06
Class periods per day			
1–4	4,500	0.97	1.06
5–6	3,900	0.95	1.10
7	4,300	0.96	1.08
8–9	3,000	0.95	1.10

See notes at end of table.



**Table I-10. Average weight adjustment factors used to adjust the panel weight F2BYWT for nonresponse due to nonfielded cases, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students and “other” nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
<b>IEP<sup>3</sup> percentage</b>			
≤ 5 percent	6,100	0.96	1.09
6–10 percent	4,000	0.95	1.07
11–15 percent	3,500	0.97	1.06
> 15 percent	2,100	0.96	1.11
<b>LEP<sup>4</sup> percentage</b>			
0 percent	6,800	0.96	1.07
1 percent	3,100	0.96	1.07
2–5 percent	2,600	0.95	1.09
≥ 6 percent	3,200	0.96	1.11
<b>Free or reduced-price lunch</b>			
0 percent	2,800	0.95	1.08
1–10 percent	3,600	0.95	1.09
11–30 percent	4,700	0.97	1.08
≥ 31 percent	4,700	0.96	1.08
<b>Number of full-time teachers</b>			
1–40	4,100	0.97	1.06
41–70	4,000	0.97	1.06
71–100	4,000	0.96	1.10
> 100	3,600	0.95	1.10
<b>Number of part-time teachers</b>			
0–1	4,600	0.96	1.08
2–3	4,500	0.97	1.07
4–6	3,800	0.96	1.08
≥ 7	2,800	0.94	1.10
<b>Full-time teachers certified</b>			
0–90 percent	4,000	0.96	1.09
91–99 percent	2,800	0.96	1.08
100 percent	8,900	0.96	1.08
<b>School coeducational status</b>			
Coeducational school	14,900	0.96	1.08
All-female school	370	0.93	1.06
All-male school	430	0.97	1.03
<b>Total enrollment</b>			
0–600 students	3,700	0.98	1.06
601–1,200 students	4,700	0.96	1.07
1,201–1,800 students	3,600	0.96	1.07
> 1,800 students	3,700	0.95	1.11
<b>Asian 10th-grade enrollment</b>			
≤ 2 percent	6,100	0.96	1.06
> 2 percent	9,700	0.96	1.09

See notes at end of table.

**Table I-10. Average weight adjustment factors used to adjust the panel weight F2BYWT for nonresponse due to nonfielded cases, by selected characteristics: 2006**

Model predictor variables <sup>1</sup>	Number of responding students and "other" nonresponding students <sup>2</sup>	Weighted response rate	Average weight adjustment factor
Black or African American 10th-grade enrollment			
≤ 4 percent	5,300	0.97	1.07
> 4 percent	10,400	0.96	1.08
Hispanic or Latino 10th-grade enrollment			
≤ 3 percent	6,100	0.96	1.07
> 3 percent	9,700	0.96	1.09
All other races 10th-grade enrollment			
≤ 80 percent	7,900	0.96	1.09
> 80 percent	7,900	0.96	1.07
Sex			
Male	7,800	0.96	1.08
Female	8,000	0.96	1.08
Race/ethnicity <sup>5</sup>			
Asian	1,600	1.00	1.11
Black or African American	2,100	1.00	1.02
Hispanic or Latino	2,300	1.00	1.02
All other races	9,700	0.94	1.10

<sup>1</sup> Model predictor variables had a value of 0 or 1. Some of the listed model predictor variables were not actually in the model because they served as reference groups. For each group of variables, one of the categories (predictor variable) was used as a reference group.

<sup>2</sup> "Other" nonresponding students are students who were nonrespondents among those sample members fielded for the second follow-up. Responding students are grouped with the "other" nonrespondents for the first nonresponse adjustment that adjusts nonfielded cases.

<sup>3</sup> IEP = Individualized Education Program.

<sup>4</sup> LEP = limited English proficient.

<sup>5</sup> "All other races" includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Table I-11. Average weight adjustment factors used to adjust the panel weight F2BYWT for refusal nonresponse, by selected characteristics: 2006**

Model predictor variables <sup>1</sup>	Number of responding students	Weighted response rate	Average weight adjustment factor
Total	14,000	0.89	1.13
School sector			
Public	10,900	0.89	1.14
Catholic	1,800	0.92	1.09
Other private	1,300	0.90	1.14
School urbanicity			
Urban	4,700	0.88	1.14
Suburban	6,700	0.89	1.13
Rural	2,600	0.90	1.12
Census region			
Northeast	2,600	0.89	1.13
Midwest	3,600	0.90	1.11
South	5,100	0.89	1.12
West	2,800	0.87	1.18
10th-grade enrollment			
0–99	2,700	0.89	1.13
100–249	3,700	0.91	1.10
250–499	4,500	0.89	1.13
≥ 500	3,100	0.87	1.17
Type of grades within school			
K–12, PreK–10th, 1st–12th, PreK/1st–9th/12th and PreK–12 schools	920	0.90	1.14
Middle grades but no elementary	1,500	0.90	1.11
Only high school	11,600	0.89	1.13
Number of grades within the school			
4	10,700	0.88	1.13
> or < 4	3,300	0.90	1.12
Number of days in school year			
Less than 180 days	3,700	0.90	1.11
180 days	7,800	0.89	1.13
More than 180 days	2,600	0.87	1.15
Minutes per class period			
≤ 45	3,400	0.90	1.12
46–50	3,000	0.89	1.12
51–80	3,700	0.88	1.14
≥ 81	3,900	0.89	1.13
Class periods per day			
1–4	4,100	0.89	1.12
5–6	3,400	0.88	1.15
7	3,800	0.89	1.13
8–9	2,700	0.90	1.11

See notes at end of table.

**Table I-11. Average weight adjustment factors used to adjust the panel weight F2BYWT for refusal nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
IEP <sup>2</sup> percentage			
≤ 5 percent	5,500	0.89	1.12
6–10 percent	3,600	0.88	1.14
11–15 percent	3,100	0.89	1.13
> 15 percent	1,900	0.89	1.14
LEP <sup>3</sup> percentage			
0 percent	6,100	0.91	1.11
1 percent	2,800	0.90	1.11
2–5 percent	2,300	0.89	1.13
≥ 6 percent	2,700	0.85	1.20
Free or reduced-price lunch			
0 percent	2,500	0.91	1.11
1–10 percent	3,200	0.90	1.12
11–30 percent	4,200	0.89	1.13
≥ 31 percent	4,100	0.88	1.15
Number of full-time teachers			
1–40	3,700	0.90	1.12
41–70	3,600	0.90	1.12
71–100	3,600	0.89	1.14
> 100	3,200	0.88	1.14
Number of part-time teachers			
0–1	4,000	0.88	1.14
2–3	4,100	0.89	1.12
4–6	3,400	0.89	1.13
≥ 7	2,500	0.90	1.12
Full-time teachers certified			
0–90 percent	3,600	0.88	1.14
91–99 percent	2,500	0.89	1.13
100 percent	7,900	0.89	1.13
School coeducational status			
Coeducational school	13,300	0.89	1.13
All-female school	350	0.94	1.06
All-male school	390	0.91	1.10
Total enrollment			
0–600 students	3,300	0.90	1.12
601–1,200 students	4,300	0.90	1.12
1,201–1,800 students	3,200	0.89	1.13
> 1,800 students	3,300	0.87	1.16
Asian 10th-grade enrollment			
≤ 2 percent	5,500	0.90	1.11
> 2 percent	8,600	0.88	1.14

See notes at end of table.

**Table I-11. Average weight adjustment factors used to adjust the panel weight F2BYWT for refusal nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
Black or African American 10th-grade enrollment			
≤ 4 percent	4,800	0.89	1.12
> 4 percent	9,200	0.89	1.13
Hispanic or Latino 10th-grade enrollment			
≤ 3 percent	5,500	0.91	1.10
> 3 percent	8,500	0.88	1.15
All other races 10th-grade enrollment			
≤ 80 percent	6,900	0.87	1.15
> 80 percent	7,100	0.91	1.11
Sex			
Male	6,800	0.87	1.16
Female	7,300	0.91	1.10
Race/ethnicity <sup>4</sup>			
Asian	1,400	0.88	1.15
Black or African American	1,900	0.88	1.14
Hispanic or Latino	2,000	0.86	1.15
All other races	8,800	0.90	1.12
Family composition			
Mother and father	8,500	0.90	1.12
Mother and male guardian	1,600	0.88	1.14
Father and female guardian	410	0.84	1.19
Two guardians	220	0.81	1.22
Mother only	2,500	0.88	1.13
Father only	400	0.84	1.21
Single guardian	200	0.81	1.24
Lives with student less than half the year	130	0.87	1.14
Parental education			
Did not finish high school	840	0.86	1.17
Graduated from high school	2,700	0.86	1.16
Attended 2-year school, no degree	1,500	0.89	1.12
Graduated from 2-year school	1,400	0.90	1.12
Attended college, no 4-year degree	1,600	0.88	1.13
Graduated from college	3,200	0.90	1.12
Completed master's degree or equivalent	1,700	0.91	1.12
Completed Ph.D., M.D., other advanced degree	1,000	0.93	1.09
Mother's occupation			
No job for pay	540	0.88	1.15
Clerical	2,300	0.89	1.12
Craftsperson	320	0.90	1.12
Farmer, farm manager or laborer	680	0.88	1.15
Homemaker	690	0.81	1.24
Manager, administrator	1,500	0.89	1.12
Military or protective service	130	0.88	1.14

See notes at end of table.

**Table I-11. Average weight adjustment factors used to adjust the panel weight F2BYWT for refusal nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
Mother's occupation—Continued			
Operative	580	0.89	1.12
Professional a	2,100	0.91	1.11
Professional b	550	0.91	1.10
Proprietor, owner	330	0.86	1.17
Sales	610	0.88	1.15
School teacher	950	0.93	1.08
Service	2,100	0.87	1.16
Technical	700	0.93	1.08
Father's occupation			
No job for pay	150	0.86	1.18
Clerical	340	0.90	1.11
Craftsperson	1,800	0.89	1.13
Farmer, farm manager	270	0.90	1.13
Homemaker	330	0.82	1.22
Laborer	1,400	0.86	1.16
Manager, administrator	2,100	0.89	1.13
Military	190	0.90	1.12
Operative	1,600	0.89	1.13
Professional a	1,600	0.91	1.11
Professional b	860	0.90	1.12
Proprietor, owner	850	0.88	1.14
Protective service	480	0.91	1.11
Sales	730	0.91	1.11
School teacher	210	0.97	1.04
Service	560	0.85	1.18
Technical	660	0.90	1.11
Socioeconomic status (SES)			
Lowest quartile	3,300	0.87	1.15
Second quartile	3,300	0.87	1.15
Third quartile	3,400	0.89	1.13
Highest quartile	4,100	0.92	1.09
English as native Language			
English is not the student's native language	2,300	0.86	1.16
English is the student's native language	11,700	0.89	1.12
12th-grade cohort status			
Not senior cohort member	1,600	0.78	1.29
Senior cohort member	12,400	0.91	1.11

See notes at end of table.

**Table I-11. Average weight adjustment factors used to adjust the panel weight F2BYWT for refusal nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
<b>Income</b>			
\$1,000 or less	210	0.89	1.13
\$1,001 to \$5,000	260	0.87	1.16
\$5,001 to \$10,000	290	0.90	1.12
\$10,001 to \$15,000	600	0.88	1.14
\$15,001 to \$20,000	670	0.88	1.14
\$20,001 to \$25,000	850	0.88	1.14
\$25,001 to \$35,000	1,600	0.87	1.15
\$35,001 to \$50,000	2,600	0.88	1.14
\$50,001 to \$75,000	2,900	0.90	1.11
\$75,001 to \$100,000	1,900	0.89	1.13
\$100,001 to \$200,000	1,600	0.89	1.13
\$200,001 or more	520	0.94	1.07
<b>CHAID5 segments</b>			
CHAID segment 1 = 2nd and 3rd SES quartile; limited English proficiency of 0–5 percent; in school, in grade	4,900	0.91	1.10
CHAID segment 2 = lowest SES quartile; limited English proficiency of 0–5 percent; in school, in grade	1,800	0.89	1.13
CHAID segment 3 = highest SES quartile; limited English proficiency of 0–5 percent; in school, in grade	3,400	0.94	1.07
CHAID segment 4 = limited English proficiency $\geq$ 6 percent; Asian 10th-grade enrollment $\leq$ 2 percent; in school, in grade	630	0.90	1.10
CHAID segment 5 = limited English proficiency $\geq$ 6 percent; Asian 10th-grade enrollment $>$ 2 percent; in school, in grade	1,600	0.86	1.19
CHAID segment 6 = income $\leq$ 10,000 or 15,001–20,000 or 35,001–50,000; final F1 enrollment status is enrolled in base-year school; in school, out of grade	60	0.66	1.50
CHAID segment 7 = income of 10,001–15,000 or 20,001–35,000 or 50,001–75,000; final F1 enrollment status is enrolled in base-year school; in school, out of grade	80	0.84	1.20
CHAID segment 8 = income $>$ 75,000; final F1 enrollment status is enrolled in base-year school; in school, out of grade	20	0.38	1.38
CHAID segment 9 = sex = male; final F1 enrollment status is graduated early or early GED; in school, out of grade	270	0.85	1.18
CHAID segment 10 = sex = female; final F1 enrollment status is graduated early or early GED; in school, out of grade	310	0.90	1.11
CHAID segment 11 = free or reduced-price lunch of $\geq$ 31 percent; final F1 enrollment status is enrolled in transfer school; in school, out of grade	100	0.66	1.48
CHAID segment 12 = free or reduced-price lunch of $<$ 31 percent; final F1 enrollment status is enrolled in transfer school; in school, out of grade	90	0.48	2.06
CHAID segment 13 = number of days in school year of $\leq$ 180 days; lowest 3 quartiles of SES; out of school (dropout or homeschooled)	560	0.85	1.23

See notes at end of table.

**Table I-11. Average weight adjustment factors used to adjust the panel weight F2BYWT for refusal nonresponse, by selected characteristics: 2006—Continued**

Model predictor variables <sup>1</sup> —Continued	Number of responding students	Weighted response rate	Average weight adjustment factor
CHAID segment 14 = number of days in school year of > 180 days; lowest three quartiles of SES; out of school (dropout or homeschooled)	110	0.74	1.36
CHAID segment 15 = highest SES quartile; out of school (dropout or homeschooled)	70	0.97	1.04
CHAID segment 16 = out of scope	40	0.59	1.72

<sup>1</sup> Model predictor variables had a value of 0 or 1. Some of the listed model predictor variables were not actually in the model because they served as reference groups. For each group of variables, one of the categories (predictor variable) was used as a reference group.

<sup>2</sup> IEP = Individualized Education Program.

<sup>3</sup> LEP = limited English proficient.

<sup>4</sup> “All other races” includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

<sup>5</sup> CHAID = chi-squared automatic interaction detection.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), “Second Follow-up, 2006.”

**Table I-12. Average weight adjustment factors for calibrating the panel weight F2BYWT to control totals, by selected characteristics: 2006**

Model variable <sup>1</sup>	Control total <sup>2</sup>	Average weight adjustment factor
Total	3,459,400	1.01
Census region		
Northeast	637,300	1.02
Midwest	839,100	1.01
South	1,189,300	1.01
West	793,700	1.03
School sector		
Public	3,197,400	1.01
Catholic	145,800	1.01
Other private	116,200	1.01
Sex		
Male	1,748,500	0.99
Female	1,710,900	1.04
Race/ethnicity <sup>3</sup>		
Asian	144,700	1.04
Black or African American	498,800	1.05
Hispanic or Latino	561,300	1.06
All other races	2,254,600	0.99

<sup>1</sup> Model variables had a value of 0 or 1.

<sup>2</sup> The control totals were calculated using the first follow-up expanded weight sums.

<sup>3</sup> “All other races” includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), “Second Follow-up, 2006.”



**Appendix J**  
**Standard Errors and Design Effects**

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**Table J-1. Student design effects, by item, using second follow-up questionnaire weight—All: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	13.1	0.46	0.28	14,100	2.62	1.62	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	82.6	0.56	0.32	14,100	3.08	1.76	
Received GED or other equivalency	F2HSSTAT=6	3.8	0.21	0.16	14,100	1.71	1.31	
Ever applied to a postsecondary school	F2EVRAPP=1	77.8	0.58	0.35	14,000	2.75	1.66	
Meet with advisor about academic plans often	F2B18B=3	24.2	0.50	0.42	10,500	1.42	1.19	
Participate in other extracurricular activities often	F2B18G=3	24.3	0.53	0.42	10,500	1.62	1.27	
Postsecondary education paid with grants/scholarships	F2B25A=1	55.1	0.70	0.49	10,500	2.06	1.44	
Expect to finish college, but not advanced degree	F2STEXP=6	31.6	0.48	0.39	14,100	1.49	1.22	
Ever held a job since leaving high school	F2EVRJOB=1	92.6	0.27	0.22	14,000	1.52	1.23	
First job is working for an employer	F2C07=1	88.1	0.60	0.50	4,200	1.43	1.19	
Current employer offers health insurance	F2C21=1	66.6	0.99	0.80	3,500	1.53	1.24	
At age 30 expects to have a job as a laborer	F2OCC30=5	1.0	0.12	0.10	10,500	1.61	1.27	
At age 30 expects to have a job as a manager	F2OCC30=6	13.6	0.43	0.33	10,500	1.62	1.27	
At age 30 expects to have a job in the military	F2OCC30=7	1.1	0.12	0.10	10,500	1.51	1.23	
At age 30 expects to have a professional job (group a)	F2OCC30=9	29.6	0.60	0.45	10,500	1.82	1.35	
At age 30 expects to have a sales job	F2OCC30=13	2.5	0.18	0.15	10,500	1.42	1.19	
At age 30 expects to have a job as a school teacher	F2OCC30=14	5.4	0.28	0.22	10,500	1.61	1.27	
College degree but not advanced degree needed for job at age 30	F2C41=6	39.2	0.54	0.42	13,600	1.67	1.29	
Respondent's current marital status is single	F2D01=1	94.7	0.27	0.19	14,000	2.09	1.44	
Respondent's current marital status is married	F2D01=2	4.8	0.26	0.18	14,000	2.01	1.42	
Number of friends or roommates living with respondent	F2D08C	0.7	0.02	0.01	14,000	2.56	1.60	
Number of siblings living with respondent	F2D08D	0.6	0.01	0.01	14,000	2.77	1.66	
Respondent lives in school provided housing in spring 2006	F2D07=1	31.1	0.79	0.50	8,500	2.48	1.57	
Respondent performed community service in past 2 years	F2D09=1	40.9	0.58	0.42	14,000	1.96	1.40	
Volunteered with school/community organizations	F2D10B=1	28.1	0.79	0.57	6,100	1.88	1.37	
Volunteered with church-related group	F2D10D=1	46.2	0.83	0.64	6,100	1.68	1.30	
Voted in 2004 Presidential election	F2D13=1	49.6	0.66	0.42	14,000	2.42	1.55	
Respondent served in military	F2D14=1	2.9	0.18	0.14	14,000	1.60	1.26	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	7.6	0.27	0.22	14,000	1.46	1.21	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	14.2	0.37	0.29	14,000	1.60	1.26	
Summary statistics								
Mean						1.90	1.37	
Minimum						1.42	1.19	
Median						1.67	1.29	
Maximum						3.08	1.76	
Standard Deviation						0.48	0.17	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

Table J-2. Student design effects, by item, using second follow-up questionnaire weight—Male: 2006

Survey item (or composite variable)	Variable	Estimate	Design		N	DEFF	DEFT
			standard error	standard error			
Ever dropped out	F2EVERDO=1	15.4	0.62	0.44	6,800	2.02	1.42
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	79.7	0.72	0.49	6,800	2.20	1.48
Received GED or other equivalency	F2HSSTAT=6	4.5	0.32	0.25	6,800	1.59	1.26
Ever applied to a postsecondary school	F2EVRAPP=1	73.5	0.74	0.54	6,800	1.90	1.38
Meet with advisor about academic plans often	F2B18B=3	20.0	0.69	0.58	4,800	1.45	1.20
Participate in other extracurricular activities often	F2B18G=3	23.2	0.77	0.61	4,800	1.62	1.27
Postsecondary education paid with grants/scholarships	F2B25A=1	50.3	0.99	0.72	4,800	1.89	1.37
Expect to finish college, but not advanced degree	F2STEXP=6	32.9	0.67	0.57	6,800	1.37	1.17
Ever held a job since leaving high school	F2EVRJOB=1	93.2	0.36	0.31	6,800	1.40	1.18
First job is working for an employer	F2C07=1	84.8	0.87	0.75	2,300	1.35	1.16
Current employer offers health insurance	F2C21=1	69.8	1.25	1.04	2,000	1.46	1.21
At age 30 expects to have a job as a laborer	F2OCC30=5	1.8	0.25	0.19	5,000	1.66	1.29
At age 30 expects to have a job as a manager	F2OCC30=6	17.0	0.66	0.53	5,000	1.52	1.23
At age 30 expects to have a job in the military	F2OCC30=7	2.0	0.24	0.20	5,000	1.47	1.21
At age 30 expects to have a professional job (group a)	F2OCC30=9	26.2	0.80	0.62	5,000	1.62	1.27
At age 30 expects to have a sales job	F2OCC30=13	3.0	0.27	0.24	5,000	1.30	1.14
At age 30 expects to have a job as a school teacher	F2OCC30=14	1.9	0.25	0.19	5,000	1.67	1.29
College degree but not advanced degree needed for job at age 30	F2C41=6	38.7	0.77	0.60	6,600	1.65	1.28
Respondent's current marital status is single	F2D01=1	96.7	0.27	0.22	6,800	1.59	1.26
Respondent's current marital status is married	F2D01=2	2.9	0.25	0.20	6,800	1.49	1.22
Number of friends or roommates living with respondent	F2D08C	0.7	0.02	0.01	6,800	2.05	1.43
Number of siblings living with respondent	F2D08D	0.6	0.02	0.01	6,800	2.12	1.46
Respondent lives in school provided housing in spring 2006	F2D07=1	31.5	1.04	0.75	3,800	1.92	1.39
Respondent performed community service in past 2 years	F2D09=1	37.5	0.74	0.59	6,800	1.60	1.26
Volunteered with school/community organizations	F2D10B=1	24.9	1.02	0.83	2,700	1.52	1.23
Volunteered with church-related group	F2D10D=1	45.7	1.18	0.96	2,700	1.53	1.24
Voted in 2004 Presidential election	F2D13=1	47.4	0.84	0.61	6,800	1.90	1.38
Respondent served in military	F2D14=1	4.9	0.33	0.26	6,800	1.58	1.26
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	7.0	0.38	0.31	6,800	1.46	1.21
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	13.2	0.52	0.41	6,800	1.62	1.27
Summary statistics							
Mean						1.65	1.28
Minimum						1.30	1.14
Median						1.59	1.26
Maximum						2.20	1.48
Standard Deviation						0.24	0.09

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-3. Student design effects, by item, using second follow-up questionnaire weight—Female: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	10.9	0.52	0.36	7,300	2.03	1.42	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	85.6	0.67	0.41	7,300	2.63	1.62	
Received GED or other equivalency	F2HSSTAT=6	3.1	0.27	0.20	7,300	1.79	1.34	
Ever applied to a postsecondary school	F2EVRAPP=1	82.1	0.67	0.45	7,300	2.19	1.48	
Meet with advisor about academic plans often	F2B18B=3	27.8	0.70	0.59	5,700	1.39	1.18	
Participate in other extracurricular activities often	F2B18G=3	25.2	0.72	0.58	5,700	1.58	1.26	
Postsecondary education paid with grants/scholarships	F2B25A=1	59.3	0.83	0.65	5,700	1.64	1.28	
Expect to finish college, but not advanced degree	F2STEXP=6	30.3	0.69	0.54	7,300	1.64	1.28	
Ever held a job since leaving high school	F2EVRJOB=1	92.0	0.39	0.32	7,300	1.48	1.22	
First job is working for an employer	F2C07=1	92.4	0.73	0.61	1,900	1.40	1.19	
Current employer offers health insurance	F2C21=1	62.2	1.46	1.23	1,600	1.40	1.18	
At age 30 expects to have a job as a laborer	F2OCC30=5	0.1	0.07	0.05	5,500	1.84	1.36	
At age 30 expects to have a job as a manager	F2OCC30=6	10.3	0.50	0.41	5,500	1.49	1.22	
At age 30 expects to have a job in the military	F2OCC30=7	0.2	0.07	0.07	5,500	1.16	1.08	
At age 30 expects to have a professional job (group a)	F2OCC30=9	32.8	0.77	0.63	5,500	1.49	1.22	
At age 30 expects to have a sales job	F2OCC30=13	2.0	0.24	0.19	5,500	1.60	1.26	
At age 30 expects to have a job as a school teacher	F2OCC30=14	8.7	0.47	0.38	5,500	1.56	1.25	
College degree but not advanced degree needed for job at age 30	F2C41=6	39.7	0.73	0.58	7,100	1.59	1.26	
Respondent's current marital status is single	F2D01=1	92.7	0.41	0.30	7,200	1.83	1.35	
Respondent's current marital status is married	F2D01=2	6.7	0.40	0.29	7,200	1.82	1.35	
Number of friends or roommates living with respondent	F2D08C	0.8	0.02	0.02	7,200	2.21	1.49	
Number of siblings living with respondent	F2D08D	0.6	0.02	0.01	7,200	2.11	1.45	
Respondent lives in school provided housing in spring 2006	F2D07=1	30.7	0.97	0.68	4,700	2.06	1.43	
Respondent performed community service in past 2 years	F2D09=1	44.4	0.78	0.58	7,200	1.78	1.34	
Volunteered with school/community organizations	F2D10B=1	30.9	1.05	0.79	3,400	1.76	1.33	
Volunteered with church-related group	F2D10D=1	46.7	1.07	0.86	3,400	1.56	1.25	
Voted in 2004 Presidential election	F2D13=1	51.8	0.86	0.59	7,200	2.12	1.46	
Respondent served in military	F2D14=1	1.0	0.14	0.12	7,300	1.34	1.16	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	8.2	0.38	0.32	7,200	1.38	1.17	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	15.1	0.53	0.42	7,200	1.58	1.26	
Summary statistics								
Mean						1.71	1.30	
Minimum						1.16	1.08	
Median						1.62	1.27	
Maximum						2.63	1.62	
Standard Deviation						0.32	0.12	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-4. Student design effects, by item, using second follow-up questionnaire weight—American Indian or Alaska Native: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	22.6	4.86	3.90	120	1.56	1.25	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	68.9	5.50	4.32	120	1.62	1.27	
Received GED or other equivalency	F2HSSTAT=6	8.9	3.25	2.66	120	1.49	1.22	
Ever applied to a postsecondary school	F2EVRAPP=1	68.2	6.08	4.40	110	1.91	1.38	
Meet with advisor about academic plans often	F2B18B=3	27.8	5.18	5.83	60	0.79	0.89	
Participate in other extracurricular activities often	F2B18G=3	32.6	6.60	6.15	60	1.15	1.07	
Postsecondary education paid with grants/scholarships	F2B25A=1	65.1	7.90	6.21	60	1.62	1.27	
Expect to finish college, but not advanced degree	F2STEXP=6	31.2	5.28	4.32	120	1.50	1.22	
Ever held a job since leaving high school	F2EVRJOB=1	91.8	3.07	2.60	110	1.40	1.18	
First job is working for an employer	F2C07=1	79.7	5.20	5.33	60	0.95	0.98	
Current employer offers health insurance	F2C21=1	56.2	11.29	8.51	40	1.76	1.33	
At age 30 expects to have a job as a laborer	F2OCC30=5	1.6	1.55	1.43	80	1.18	1.09	
At age 30 expects to have a job as a manager	F2OCC30=6	13.2	3.83	3.91	80	0.96	0.98	
At age 30 expects to have a job in the military	F2OCC30=7	4.7	3.44	2.45	80	1.96	1.40	
At age 30 expects to have a professional job (group a)	F2OCC30=9	25.1	5.22	5.01	80	1.09	1.04	
At age 30 expects to have a sales job	F2OCC30=13	3.9	2.65	2.24	80	1.40	1.18	
At age 30 expects to have a job as a school teacher	F2OCC30=14	6.5	2.69	2.85	80	0.90	0.95	
College degree but not advanced degree needed for job at age 30	F2C41=6	38.1	6.82	4.88	100	1.95	1.40	
Respondent's current marital status is single	F2D01=1	87.9	4.12	3.08	110	1.79	1.34	
Respondent's current marital status is married	F2D01=2	12.1	4.12	3.08	110	1.79	1.34	
Number of friends or roommates living with respondent	F2D08C	0.4	0.08	0.08	110	0.93	0.97	
Number of siblings living with respondent	F2D08D	0.8	0.13	0.11	110	1.37	1.17	
Respondent lives in school provided housing in spring 2006	F2D07=1	22.8	6.33	6.55	40	0.93	0.97	
Respondent performed community service in past 2 years	F2D09=1	32.4	5.10	4.42	110	1.33	1.15	
Volunteered with school/community organizations	F2D10B=1	26.0	6.81	7.21	40	0.89	0.94	
Volunteered with church-related group	F2D10D=1	31.8	9.22	7.66	40	1.45	1.20	
Voted in 2004 Presidential election	F2D13=1	45.7	6.19	4.71	110	1.73	1.31	
Respondent served in military	F2D14=1	2.9	1.80	1.59	110	1.29	1.13	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	10.3	4.09	2.88	110	2.02	1.42	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	21.3	3.81	3.87	110	0.97	0.98	
Summary statistics								
Mean						1.39	1.17	
Minimum						0.79	0.89	
Median						1.40	1.18	
Maximum						2.02	1.42	
Standard Deviation						0.37	0.16	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-5. Student design effects, by item, using second follow-up questionnaire weight—Asian: 2006**

Survey item (or composite variable)	Variable	Estimate	Design		N	DEFF	DEFT
			standard error	Simple random sample standard error			
Ever dropped out	F2EVERDO=1	8.6	1.09	0.75	1,400	2.12	1.46
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	87.8	1.28	0.87	1,400	2.17	1.47
Received GED or other equivalency	F2HSSTAT=6	1.9	0.42	0.37	1,400	1.28	1.13
Ever applied to a postsecondary school	F2EVRAPP=1	87.5	1.14	0.88	1,400	1.67	1.29
Meet with advisor about academic plans often	F2B18B=3	19.0	1.27	1.14	1,200	1.23	1.11
Participate in other extracurricular activities often	F2B18G=3	27.9	1.75	1.30	1,200	1.81	1.34
Postsecondary education paid with grants/scholarships	F2B25A=1	58.6	1.81	1.44	1,200	1.59	1.26
Expect to finish college, but not advanced degree	F2STEXP=6	30.3	1.40	1.22	1,400	1.30	1.14
Ever held a job since leaving high school	F2EVRJOB=1	79.8	1.21	1.07	1,400	1.28	1.13
First job is working for an employer	F2C07=1	85.8	2.76	2.35	220	1.39	1.18
Current employer offers health insurance	F2C21=1	62.4	4.13	3.59	180	1.32	1.15
At age 30 expects to have a job as a laborer	F2OCC30=5	0.4	0.21	0.19	990	1.24	1.12
At age 30 expects to have a job as a manager	F2OCC30=6	13.8	1.34	1.10	990	1.48	1.22
At age 30 expects to have a job in the military	F2OCC30=7	0.5	0.22	0.22	990	0.98	0.99
At age 30 expects to have a professional job (group a)	F2OCC30=9	35.2	1.62	1.52	990	1.13	1.06
At age 30 expects to have a sales job	F2OCC30=13	1.4	0.35	0.38	990	0.83	0.91
At age 30 expects to have a job as a school teacher	F2OCC30=14	2.5	0.55	0.49	990	1.26	1.12
College degree but not advanced degree needed for job at age 30	F2C41=6	37.0	1.68	1.31	1,400	1.65	1.28
Respondent's current marital status is single	F2D01=1	96.9	0.58	0.46	1,400	1.59	1.26
Respondent's current marital status is married	F2D01=2	2.9	0.57	0.45	1,400	1.59	1.26
Number of friends or roommates living with respondent	F2D08C	0.9	0.05	0.04	1,400	1.81	1.35
Number of siblings living with respondent	F2D08D	0.9	0.06	0.04	1,400	2.45	1.56
Respondent lives in school provided housing in spring 2006	F2D07=1	30.4	1.77	1.42	1,100	1.56	1.25
Respondent performed community service in past 2 years	F2D09=1	47.7	1.88	1.34	1,400	1.96	1.40
Volunteered with school/community organizations	F2D10B=1	39.3	2.46	1.88	680	1.71	1.31
Volunteered with church-related group	F2D10D=1	42.4	2.09	1.91	670	1.20	1.10
Voted in 2004 Presidential election	F2D13=1	32.7	1.77	1.26	1,400	1.98	1.41
Respondent served in military	F2D14=1	1.2	0.36	0.30	1,400	1.50	1.22
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	5.2	0.68	0.59	1,400	1.33	1.15
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	13.6	1.12	0.92	1,400	1.48	1.22
Summary statistics							
Mean						1.53	1.23
Minimum						0.83	0.91
Median						1.49	1.22
Maximum						2.45	1.56
Standard Deviation						0.36	0.15

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-6. Student design effects, by item, using second follow-up questionnaire weight—Black or African American: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	20.7	1.39	0.94	1,900	2.19	1.48	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	72.8	1.56	1.03	1,900	2.29	1.51	
Received GED or other equivalency	F2HSSTAT=6	4.5	0.60	0.48	1,900	1.56	1.25	
Ever applied to a postsecondary school	F2EVRAPP=1	75.3	1.31	1.00	1,900	1.71	1.31	
Meet with advisor about academic plans often	F2B18B=3	34.3	1.55	1.35	1,200	1.32	1.15	
Participate in other extracurricular activities often	F2B18G=3	21.5	1.40	1.17	1,200	1.42	1.19	
Postsecondary education paid with grants/scholarships	F2B25A=1	66.6	1.53	1.34	1,200	1.29	1.14	
Expect to finish college, but not advanced degree	F2STEXP=6	30.7	1.29	1.07	1,900	1.47	1.21	
Ever held a job since leaving high school	F2EVRJOB=1	90.9	0.74	0.67	1,900	1.22	1.10	
First job is working for an employer	F2C07=1	88.5	1.34	1.19	720	1.27	1.13	
Current employer offers health insurance	F2C21=1	70.4	2.20	1.98	540	1.24	1.11	
At age 30 expects to have a job as a laborer	F2OCC30=5	0.9	0.32	0.25	1,500	1.63	1.28	
At age 30 expects to have a job as a manager	F2OCC30=6	16.1	1.17	0.95	1,500	1.53	1.24	
At age 30 expects to have a job in the military	F2OCC30=7	0.7	0.23	0.22	1,500	1.09	1.04	
At age 30 expects to have a professional job (group a)	F2OCC30=9	30.9	1.37	1.19	1,500	1.33	1.15	
At age 30 expects to have a sales job	F2OCC30=13	2.6	0.52	0.41	1,500	1.56	1.25	
At age 30 expects to have a job as a school teacher	F2OCC30=14	3.6	0.58	0.48	1,500	1.46	1.21	
College degree but not advanced degree needed for job at age 30	F2C41=6	38.2	1.49	1.15	1,800	1.68	1.30	
Respondent's current marital status is single	F2D01=1	97.5	0.38	0.37	1,900	1.06	1.03	
Respondent's current marital status is married	F2D01=2	2.2	0.37	0.34	1,900	1.13	1.06	
Number of friends or roommates living with respondent	F2D08C	0.5	0.03	0.02	1,800	1.27	1.13	
Number of siblings living with respondent	F2D08D	0.7	0.03	0.03	1,800	1.46	1.21	
Respondent lives in school provided housing in spring 2006	F2D07=1	33.0	1.88	1.57	900	1.43	1.20	
Respondent performed community service in past 2 years	F2D09=1	38.8	1.35	1.13	1,900	1.41	1.19	
Volunteered with school/community organizations	F2D10B=1	27.9	1.75	1.63	750	1.14	1.07	
Volunteered with church-related group	F2D10D=1	57.7	2.11	1.80	760	1.37	1.17	
Voted in 2004 Presidential election	F2D13=1	48.4	1.45	1.16	1,800	1.54	1.24	
Respondent served in military	F2D14=1	2.5	0.43	0.36	1,900	1.41	1.19	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	9.0	0.74	0.67	1,800	1.22	1.11	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	13.6	0.98	0.80	1,800	1.52	1.23	
Summary statistics								
Mean						1.44	1.20	
Minimum						1.06	1.03	
Median						1.42	1.19	
Maximum						2.29	1.51	
Standard Deviation						0.28	0.11	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."



**Table J-7. Student design effects, by item, using second follow-up questionnaire weight—Hispanic or Latino: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	20.6	1.16	0.89	2,100	1.67	1.29	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	71.7	1.35	0.99	2,100	1.85	1.36	
Received GED or other equivalency	F2HSSTAT=6	4.3	0.66	0.45	2,100	2.18	1.48	
Ever applied to a postsecondary school	F2EVRAPP=1	69.5	1.48	1.02	2,000	2.08	1.44	
Meet with advisor about academic plans often	F2B18B=3	25.4	1.39	1.22	1,300	1.30	1.14	
Participate in other extracurricular activities often	F2B18G=3	15.1	1.12	1.00	1,300	1.26	1.12	
Postsecondary education paid with grants/scholarships	F2B25A=1	52.9	1.70	1.40	1,300	1.48	1.21	
Expect to finish college, but not advanced degree	F2STEXP=6	31.8	1.20	1.03	2,100	1.35	1.16	
Ever held a job since leaving high school	F2EVRJOB=1	88.1	0.93	0.72	2,000	1.68	1.30	
First job is working for an employer	F2C07=1	87.4	1.25	1.14	850	1.20	1.10	
Current employer offers health insurance	F2C21=1	65.9	1.97	1.83	670	1.16	1.08	
At age 30 expects to have a job as a laborer	F2OCC30=5	1.3	0.38	0.29	1,500	1.71	1.31	
At age 30 expects to have a job as a manager	F2OCC30=6	13.3	0.90	0.88	1,500	1.05	1.02	
At age 30 expects to have a job in the military	F2OCC30=7	0.5	0.20	0.18	1,500	1.15	1.07	
At age 30 expects to have a professional job (group a)	F2OCC30=9	26.6	1.44	1.14	1,500	1.59	1.26	
At age 30 expects to have a sales job	F2OCC30=13	2.6	0.50	0.41	1,500	1.45	1.20	
At age 30 expects to have a job as a school teacher	F2OCC30=14	4.4	0.68	0.53	1,500	1.65	1.28	
College degree but not advanced degree needed for job at age 30	F2C41=6	37.3	1.28	1.10	2,000	1.37	1.17	
Respondent's current marital status is single	F2D01=1	91.8	0.69	0.61	2,000	1.27	1.13	
Respondent's current marital status is married	F2D01=2	7.4	0.65	0.58	2,000	1.25	1.12	
Number of friends or roommates living with respondent	F2D08C	0.4	0.02	0.02	2,000	1.05	1.02	
Number of siblings living with respondent	F2D08D	1.1	0.04	0.03	2,000	2.05	1.43	
Respondent lives in school provided housing in spring 2006	F2D07=1	14.7	1.46	1.16	930	1.58	1.26	
Respondent performed community service in past 2 years	F2D09=1	29.9	1.09	1.02	2,000	1.14	1.07	
Volunteered with school/community organizations	F2D10B=1	25.0	2.04	1.67	680	1.50	1.22	
Volunteered with church-related group	F2D10D=1	48.0	2.51	1.92	680	1.70	1.30	
Voted in 2004 Presidential election	F2D13=1	32.7	1.30	1.04	2,000	1.56	1.25	
Respondent served in military	F2D14=1	2.6	0.41	0.35	2,000	1.37	1.17	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	9.3	0.74	0.64	2,000	1.33	1.15	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	14.8	0.92	0.79	2,000	1.36	1.17	
Summary statistics								
Mean						1.48	1.21	
Minimum						1.05	1.02	
Median						1.41	1.19	
Maximum						2.18	1.48	
Standard Deviation						0.30	0.12	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

Table J-8. Student design effects, by item, using second follow-up questionnaire weight—White: 2006

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT
Ever dropped out	F2EVERDO=1	9.3	0.46	0.32	8,000	2.05	1.43
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	88.2	0.54	0.36	8,000	2.29	1.51
Received GED or other equivalency	F2HSSTAT=6	3.4	0.25	0.20	8,000	1.52	1.23
Ever applied to a postsecondary school	F2EVRAPP=1	80.3	0.64	0.45	8,000	2.07	1.44
Meet with advisor about academic plans often	F2B18B=3	22.2	0.62	0.52	6,300	1.41	1.19
Participate in other extracurricular activities often	F2B18G=3	26.2	0.71	0.56	6,300	1.63	1.28
Postsecondary education paid with grants/scholarships	F2B25A=1	53.0	0.89	0.63	6,300	2.00	1.42
Expect to finish college, but not advanced degree	F2STEXP=6	31.9	0.62	0.52	8,000	1.44	1.20
Ever held a job since leaving high school	F2EVRJOB=1	95.2	0.28	0.24	8,000	1.36	1.17
First job is working for an employer	F2C07=1	88.4	0.85	0.70	2,100	1.48	1.22
Current employer offers health insurance	F2C21=1	65.6	1.29	1.09	1,900	1.39	1.18
At age 30 expects to have a job as a laborer	F2OCC30=5	1.0	0.16	0.13	5,900	1.67	1.29
At age 30 expects to have a job as a manager	F2OCC30=6	13.1	0.52	0.44	5,900	1.38	1.18
At age 30 expects to have a job in the military	F2OCC30=7	1.2	0.17	0.14	5,900	1.45	1.20
At age 30 expects to have a professional job (group a)	F2OCC30=9	29.5	0.84	0.59	5,900	2.02	1.42
At age 30 expects to have a sales job	F2OCC30=13	2.5	0.24	0.20	5,900	1.39	1.18
At age 30 expects to have a job as a school teacher	F2OCC30=14	6.5	0.39	0.32	5,900	1.46	1.21
College degree but not advanced degree needed for job at age 30	F2C41=6	40.3	0.69	0.56	7,800	1.52	1.23
Respondent's current marital status is single	F2D01=1	94.8	0.37	0.25	8,000	2.29	1.51
Respondent's current marital status is married	F2D01=2	4.7	0.35	0.24	8,000	2.22	1.49
Number of friends or roommates living with respondent	F2D08C	0.9	0.02	0.02	8,000	2.19	1.48
Number of siblings living with respondent	F2D08D	0.4	0.01	0.01	8,000	1.93	1.39
Respondent lives in school provided housing in spring 2006	F2D07=1	33.6	0.99	0.66	5,200	2.27	1.51
Respondent performed community service in past 2 years	F2D09=1	44.0	0.72	0.56	8,000	1.70	1.30
Volunteered with school/community organizations	F2D10B=1	28.4	0.99	0.74	3,700	1.76	1.33
Volunteered with church-related group	F2D10D=1	44.6	0.99	0.82	3,700	1.45	1.20
Voted in 2004 Presidential election	F2D13=1	56.1	0.81	0.56	8,000	2.11	1.45
Respondent served in military	F2D14=1	3.1	0.25	0.19	8,000	1.61	1.27
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	6.8	0.36	0.28	8,000	1.64	1.28
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	13.9	0.48	0.39	8,000	1.55	1.25
Summary statistics							
Mean						1.74	1.31
Minimum						1.36	1.17
Median						1.63	1.28
Maximum						2.29	1.51
Standard Deviation						0.33	0.12

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-9. Student design effects, by item, using second follow-up questionnaire weight—More than one race: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT
Ever dropped out	F2EVERDO=1	15.1	1.79	1.38	670	1.67	1.29
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	77.6	1.99	1.61	670	1.52	1.23
Received GED or other equivalency	F2HSSTAT=6	5.5	1.15	0.88	670	1.71	1.31
Ever applied to a postsecondary school	F2EVRAPP=1	76.6	2.25	1.64	660	1.87	1.37
Meet with advisor about academic plans often	F2B18B=3	25.2	2.83	2.02	460	1.95	1.40
Participate in other extracurricular activities often	F2B18G=3	27.4	2.56	2.08	460	1.52	1.23
Postsecondary education paid with grants/scholarships	F2B25A=1	53.7	2.85	2.32	460	1.51	1.23
Expect to finish college, but not advanced degree	F2STEXP=6	31.6	2.38	1.79	670	1.76	1.33
Ever held a job since leaving high school	F2EVRJOB=1	90.8	1.41	1.12	660	1.58	1.26
First job is working for an employer	F2C07=1	89.8	2.35	2.03	220	1.34	1.16
Current employer offers health insurance	F2C21=1	71.9	3.93	3.20	200	1.50	1.23
At age 30 expects to have a job as a laborer	F2OCC30=5	0.7	0.35	0.37	500	0.91	0.95
At age 30 expects to have a job as a manager	F2OCC30=6	11.8	1.79	1.44	500	1.55	1.24
At age 30 expects to have a job in the military	F2OCC30=7	2.3	0.86	0.67	500	1.65	1.28
At age 30 expects to have a professional job (group a)	F2OCC30=9	31.8	2.71	2.08	500	1.71	1.31
At age 30 expects to have a sales job	F2OCC30=13	2.0	0.79	0.63	500	1.56	1.25
At age 30 expects to have a job as a school teacher	F2OCC30=14	3.5	0.94	0.82	500	1.29	1.14
College degree but not advanced degree needed for job at age 30	F2C41=6	36.4	2.67	1.90	650	1.98	1.41
Respondent's current marital status is single	F2D01=1	94.6	1.13	0.88	660	1.65	1.28
Respondent's current marital status is married	F2D01=2	4.8	1.07	0.83	660	1.65	1.28
Number of friends or roommates living with respondent	F2D08C	0.8	0.07	0.06	660	1.60	1.26
Number of siblings living with respondent	F2D08D	0.6	0.05	0.04	660	1.61	1.27
Respondent lives in school provided housing in spring 2006	F2D07=1	36.1	3.84	2.58	350	2.21	1.49
Respondent performed community service in past 2 years	F2D09=1	41.8	2.42	1.92	660	1.60	1.27
Volunteered with school/community organizations	F2D10B=1	22.1	2.90	2.45	290	1.40	1.19
Volunteered with church-related group	F2D10D=1	37.0	3.77	2.83	290	1.78	1.33
Voted in 2004 Presidential election	F2D13=1	45.6	2.56	1.94	660	1.75	1.32
Respondent served in military	F2D14=1	5.5	1.13	0.89	660	1.62	1.27
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	9.5	1.43	1.14	660	1.58	1.26
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	16.0	1.85	1.42	660	1.68	1.30
Summary statistics							
Mean						1.62	1.27
Minimum						0.91	0.95
Median						1.62	1.27
Maximum						2.21	1.49
Standard Deviation						0.23	0.09

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

Table J-10. Student design effects, by item, using second follow-up questionnaire weight—Public: 2006

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT
Ever dropped out	F2EVERDO=1	13.9	0.49	0.33	11,100	2.25	1.50
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	81.6	0.60	0.37	11,100	2.64	1.62
Received GED or other equivalency	F2HSSTAT=6	4.0	0.23	0.19	11,100	1.47	1.21
Ever applied to a postsecondary school	F2EVRAPP=1	76.5	0.62	0.41	10,900	2.37	1.54
Meet with advisor about academic plans often	F2B18B=3	23.8	0.54	0.49	7,600	1.25	1.12
Participate in other extracurricular activities often	F2B18G=3	23.1	0.57	0.48	7,600	1.41	1.19
Postsecondary education paid with grants/scholarships	F2B25A=1	55.6	0.76	0.57	7,600	1.79	1.34
Expect to finish college, but not advanced degree	F2STEXP=6	31.6	0.51	0.44	11,100	1.32	1.15
Ever held a job since leaving high school	F2EVRJOB=1	92.7	0.29	0.25	10,900	1.34	1.16
First job is working for an employer	F2C07=1	88.2	0.61	0.52	3,900	1.38	1.18
Current employer offers health insurance	F2C21=1	66.7	1.01	0.84	3,200	1.46	1.21
At age 30 expects to have a job as a laborer	F2OCC30=5	1.0	0.13	0.11	8,200	1.37	1.17
At age 30 expects to have a job as a manager	F2OCC30=6	13.6	0.46	0.38	8,200	1.46	1.21
At age 30 expects to have a job in the military	F2OCC30=7	1.1	0.13	0.12	8,200	1.33	1.15
At age 30 expects to have a professional job (group a)	F2OCC30=9	29.3	0.64	0.50	8,200	1.65	1.28
At age 30 expects to have a sales job	F2OCC30=13	2.5	0.19	0.17	8,200	1.26	1.12
At age 30 expects to have a job as a school teacher	F2OCC30=14	5.4	0.30	0.25	8,200	1.43	1.20
College degree but not advanced degree needed for job at age 30	F2C41=6	38.9	0.58	0.47	10,600	1.47	1.21
Respondent's current marital status is single	F2D01=1	94.4	0.29	0.22	10,900	1.79	1.34
Respondent's current marital status is married	F2D01=2	5.1	0.28	0.21	10,900	1.72	1.31
Number of friends or roommates living with respondent	F2D08C	0.7	0.02	0.01	10,900	2.31	1.52
Number of siblings living with respondent	F2D08D	0.6	0.02	0.01	10,900	2.42	1.56
Respondent lives in school provided housing in spring 2006	F2D07=1	29.3	0.86	0.59	5,900	2.10	1.45
Respondent performed community service in past 2 years	F2D09=1	39.7	0.62	0.47	10,900	1.75	1.32
Volunteered with school/community organizations	F2D10B=1	27.4	0.86	0.67	4,400	1.63	1.28
Volunteered with church-related group	F2D10D=1	46.1	0.89	0.75	4,400	1.40	1.18
Voted in 2004 Presidential election	F2D13=1	48.6	0.70	0.48	10,900	2.12	1.46
Respondent served in military	F2D14=1	3.0	0.19	0.16	10,900	1.39	1.18
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	7.7	0.29	0.26	10,900	1.29	1.13
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	14.5	0.40	0.34	10,900	1.42	1.19
Summary statistics							
Mean						1.67	1.28
Minimum						1.25	1.12
Median						1.46	1.21
Maximum						2.64	1.62
Standard Deviation						0.40	0.15

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-11. Student design effects, by item, using second follow-up questionnaire weight—Catholic: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	2.5	0.61	0.36	1,800	2.78	1.67	
Fall 2003 – Summer 2004 high school graduate	F2HSSTAT=1	97.2	0.58	0.38	1,800	2.24	1.50	
Received GED or other equivalency	F2HSSTAT=6	1.2	0.30	0.26	1,800	1.36	1.17	
Ever applied to a postsecondary school	F2EVRAPP=1	95.3	0.62	0.50	1,800	1.56	1.25	
Meet with advisor about academic plans often	F2B18B=3	28.6	1.26	1.10	1,700	1.32	1.15	
Participate in other extracurricular activities often	F2B18G=3	32.3	1.51	1.13	1,700	1.78	1.33	
Postsecondary education paid with grants/scholarships	F2B25A=1	51.4	1.64	1.22	1,700	1.82	1.35	
Expect to finish college, but not advanced degree	F2STEXP=6	34.1	1.20	1.11	1,800	1.16	1.08	
Ever held a job since leaving high school	F2EVRJOB=1	93.2	0.85	0.59	1,800	2.07	1.44	
First job is working for an employer	F2C07=1	81.3	2.91	3.01	170	0.94	0.97	
Current employer offers health insurance	F2C21=1	65.4	4.25	3.43	190	1.53	1.24	
At age 30 expects to have a job as a laborer	F2OCC30=5	0.2	0.18	0.13	1,300	1.80	1.34	
At age 30 expects to have a job as a manager	F2OCC30=6	15.5	1.07	0.99	1,300	1.16	1.08	
At age 30 expects to have a job in the military	F2OCC30=7	0.8	0.26	0.24	1,300	1.23	1.11	
At age 30 expects to have a professional job (group a)	F2OCC30=9	35.9	1.50	1.31	1,300	1.31	1.14	
At age 30 expects to have a sales job	F2OCC30=13	2.3	0.46	0.41	1,300	1.28	1.13	
At age 30 expects to have a job as a school teacher	F2OCC30=14	4.9	0.66	0.59	1,300	1.28	1.13	
College degree but not advanced degree needed for job at age 30	F2C41=6	44.3	1.62	1.18	1,800	1.89	1.37	
Respondent's current marital status is single	F2D01=1	99.5	0.18	0.16	1,800	1.16	1.08	
Respondent's current marital status is married	F2D01=2	0.4	0.16	0.14	1,800	1.27	1.13	
Number of friends or roommates living with respondent	F2D08C	1.1	0.06	0.04	1,800	2.75	1.66	
Number of siblings living with respondent	F2D08D	0.5	0.03	0.02	1,800	1.97	1.40	
Respondent lives in school provided housing in spring 2006	F2D07=1	43.5	2.07	1.27	1,500	2.65	1.63	
Respondent performed community service in past 2 years	F2D09=1	51.5	1.51	1.18	1,800	1.65	1.29	
Volunteered with school/community organizations	F2D10B=1	35.3	1.94	1.56	940	1.54	1.24	
Volunteered with church-related group	F2D10D=1	40.8	1.97	1.61	930	1.49	1.22	
Voted in 2004 Presidential election	F2D13=1	64.5	1.60	1.13	1,800	2.02	1.42	
Respondent served in military	F2D14=1	1.6	0.40	0.29	1,800	1.86	1.36	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	6.7	0.58	0.59	1,800	0.96	0.98	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	10.3	0.71	0.72	1,800	0.98	0.99	
Summary statistics								
Mean						1.63	1.26	
Minimum						0.94	0.97	
Median						1.54	1.24	
Maximum						2.78	1.67	
Standard Deviation						0.51	0.19	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

Table J-12. Student design effects, by item, using second follow-up questionnaire weight—Other private: 2006

Survey item (or composite variable)	Variable	Estimate	Design		N	DEFF	DEFT
			standard error	Simple random sample standard error			
Ever dropped out	F2EVERDO=1	6.3	1.24	0.68	1,300	3.37	1.84
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	91.9	1.61	0.76	1,300	4.43	2.11
Received GED or other equivalency	F2HSSTAT=6	2.1	0.61	0.40	1,300	2.31	1.52
Ever applied to a postsecondary school	F2EVRAPP=1	92.1	1.33	0.75	1,300	3.11	1.76
Meet with advisor about academic plans often	F2B18B=3	26.8	1.48	1.30	1,200	1.29	1.14
Participate in other extracurricular activities often	F2B18G=3	37.3	2.05	1.42	1,200	2.09	1.44
Postsecondary education paid with grants/scholarships	F2B25A=1	50.4	2.33	1.47	1,200	2.52	1.59
Expect to finish college, but not advanced degree	F2STEXP=6	29.7	2.35	1.28	1,300	3.39	1.84
Ever held a job since leaving high school	F2EVRJOB=1	88.9	1.38	0.88	1,300	2.48	1.58
First job is working for an employer	F2C07=1	83.9	4.05	2.92	160	1.93	1.39
Current employer offers health insurance	F2C21=1	62.9	4.40	3.77	170	1.36	1.17
At age 30 expects to have a job as a laborer	F2OCC30=5	0.1	0.07	0.09	920	0.64	0.80
At age 30 expects to have a job as a manager	F2OCC30=6	12.3	1.31	1.08	920	1.47	1.21
At age 30 expects to have a job in the military	F2OCC30=7	1.0	0.39	0.32	920	1.44	1.20
At age 30 expects to have a professional job (group a)	F2OCC30=9	30.6	1.75	1.52	920	1.32	1.15
At age 30 expects to have a sales job	F2OCC30=13	2.2	0.55	0.49	920	1.29	1.14
At age 30 expects to have a job as a school teacher	F2OCC30=14	4.0	0.72	0.64	920	1.27	1.13
College degree but not advanced degree needed for job at age 30	F2C41=6	39.5	2.10	1.39	1,200	2.29	1.51
Respondent's current marital status is single	F2D01=1	97.1	0.77	0.47	1,300	2.71	1.65
Respondent's current marital status is married	F2D01=2	2.6	0.73	0.45	1,300	2.71	1.65
Number of friends or roommates living with respondent	F2D08C	1.0	0.06	0.04	1,300	2.76	1.66
Number of siblings living with respondent	F2D08D	0.4	0.06	0.03	1,300	4.30	2.07
Respondent lives in school provided housing in spring 2006	F2D07=1	46.6	3.39	1.57	1,000	4.67	2.16
Respondent performed community service in past 2 years	F2D09=1	59.8	1.77	1.37	1,300	1.66	1.29
Volunteered with school/community organizations	F2D10B=1	33.8	2.51	1.73	750	2.11	1.45
Volunteered with church-related group	F2D10D=1	54.3	4.00	1.82	750	4.83	2.20
Voted in 2004 Presidential election	F2D13=1	59.4	2.74	1.38	1,300	3.96	1.99
Respondent served in military	F2D14=1	2.1	0.52	0.40	1,300	1.66	1.29
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	4.7	0.75	0.59	1,300	1.60	1.26
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	10.7	0.77	0.87	1,300	0.78	0.89
Summary statistics							
Mean						2.39	1.50
Minimum						0.64	0.80
Median						2.20	1.48
Maximum						4.83	2.20
Standard Deviation						1.17	0.38

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-13. Student design effects, by item, using second follow-up questionnaire weight—Low socioeconomic status (SES): 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	23.9	1.00	0.74	3,300	1.81	1.35	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	69.7	1.08	0.80	3,300	1.83	1.35	
Received GED or other equivalency	F2HSSTAT=6	5.4	0.51	0.39	3,300	1.68	1.29	
Ever applied to a postsecondary school	F2EVRAPP=1	63.5	1.09	0.85	3,200	1.67	1.29	
Meet with advisor about academic plans often	F2B18B=3	25.8	1.22	1.05	1,700	1.36	1.17	
Participate in other extracurricular activities often	F2B18G=3	14.1	0.93	0.84	1,700	1.23	1.11	
Postsecondary education paid with grants/scholarships	F2B25A=1	62.2	1.49	1.16	1,700	1.63	1.28	
Expect to finish college, but not advanced degree	F2STEXP=6	28.2	0.98	0.78	3,300	1.57	1.25	
Ever held a job since leaving high school	F2EVRJOB=1	89.9	0.68	0.53	3,200	1.63	1.28	
First job is working for an employer	F2C07=1	88.4	0.89	0.80	1,600	1.26	1.12	
Current employer offers health insurance	F2C21=1	67.7	1.61	1.34	1,200	1.44	1.20	
At age 30 expects to have a job as a laborer	F2OCC30=5	1.5	0.29	0.25	2,400	1.35	1.16	
At age 30 expects to have a job as a manager	F2OCC30=6	14.5	0.76	0.72	2,400	1.14	1.07	
At age 30 expects to have a job in the military	F2OCC30=7	0.9	0.22	0.20	2,400	1.31	1.15	
At age 30 expects to have a professional job (group a)	F2OCC30=9	26.1	0.94	0.89	2,400	1.11	1.05	
At age 30 expects to have a sales job	F2OCC30=13	2.5	0.40	0.32	2,400	1.61	1.27	
At age 30 expects to have a job as a school teacher	F2OCC30=14	3.9	0.49	0.39	2,400	1.51	1.23	
College degree but not advanced degree needed for job at age 30	F2C41=6	34.5	1.03	0.85	3,100	1.47	1.21	
Respondent's current marital status is single	F2D01=1	91.7	0.56	0.48	3,200	1.34	1.16	
Respondent's current marital status is married	F2D01=2	7.6	0.53	0.47	3,200	1.32	1.15	
Number of friends or roommates living with respondent	F2D08C	0.4	0.02	0.02	3,200	1.13	1.06	
Number of siblings living with respondent	F2D08D	0.9	0.03	0.02	3,200	1.76	1.33	
Respondent lives in school provided housing in spring 2006	F2D07=1	17.9	1.34	1.10	1,200	1.48	1.22	
Respondent performed community service in past 2 years	F2D09=1	28.9	0.90	0.80	3,300	1.29	1.14	
Volunteered with school/community organizations	F2D10B=1	22.1	1.56	1.32	980	1.39	1.18	
Volunteered with church-related group	F2D10D=1	50.8	2.06	1.59	980	1.67	1.29	
Voted in 2004 Presidential election	F2D13=1	34.2	1.16	0.83	3,200	1.93	1.39	
Respondent served in military	F2D14=1	2.3	0.29	0.26	3,300	1.21	1.10	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	9.0	0.57	0.50	3,200	1.30	1.14	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	16.3	0.79	0.65	3,200	1.47	1.21	
Summary statistics								
Mean						1.46	1.21	
Minimum						1.11	1.05	
Median						1.45	1.21	
Maximum						1.93	1.39	
Standard Deviation						0.22	0.09	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-14. Student design effects, by item, using second follow-up questionnaire weight—Middle socioeconomic status (SES): 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	12.0	0.55	0.40	6,700	1.95	1.40	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	83.7	0.68	0.45	6,700	2.29	1.51	
Received GED or other equivalency	F2HSSTAT=6	3.9	0.29	0.24	6,700	1.53	1.24	
Ever applied to a postsecondary school	F2EVRAPP=1	77.7	0.70	0.51	6,700	1.92	1.38	
Meet with advisor about academic plans often	F2B18B=3	23.6	0.71	0.60	5,000	1.40	1.18	
Participate in other extracurricular activities often	F2B18G=3	21.4	0.68	0.58	5,000	1.38	1.17	
Postsecondary education paid with grants/scholarships	F2B25A=1	55.0	0.91	0.71	4,900	1.67	1.29	
Expect to finish college, but not advanced degree	F2STEXP=6	34.4	0.70	0.58	6,700	1.48	1.22	
Ever held a job since leaving high school	F2EVRJOB=1	93.5	0.33	0.30	6,700	1.21	1.10	
First job is working for an employer	F2C07=1	87.8	0.85	0.71	2,100	1.42	1.19	
Current employer offers health insurance	F2C21=1	68.4	1.30	1.08	1,900	1.45	1.21	
At age 30 expects to have a job as a laborer	F2OCC30=5	0.9	0.16	0.13	5,100	1.48	1.22	
At age 30 expects to have a job as a manager	F2OCC30=6	13.7	0.60	0.48	5,100	1.56	1.25	
At age 30 expects to have a job in the military	F2OCC30=7	1.2	0.18	0.16	5,100	1.29	1.14	
At age 30 expects to have a professional job (group a)	F2OCC30=9	29.1	0.78	0.64	5,100	1.49	1.22	
At age 30 expects to have a sales job	F2OCC30=13	2.4	0.25	0.22	5,100	1.38	1.17	
At age 30 expects to have a job as a school teacher	F2OCC30=14	5.7	0.43	0.33	5,100	1.73	1.32	
College degree but not advanced degree needed for job at age 30	F2C41=6	40.0	0.71	0.61	6,500	1.35	1.16	
Respondent's current marital status is single	F2D01=1	94.4	0.36	0.28	6,700	1.64	1.28	
Respondent's current marital status is married	F2D01=2	5.1	0.34	0.27	6,700	1.60	1.27	
Number of friends or roommates living with respondent	F2D08C	0.7	0.02	0.01	6,700	1.83	1.35	
Number of siblings living with respondent	F2D08D	0.6	0.02	0.01	6,700	1.86	1.36	
Respondent lives in school provided housing in spring 2006	F2D07=1	27.2	0.96	0.72	3,800	1.78	1.33	
Respondent performed community service in past 2 years	F2D09=1	39.2	0.74	0.60	6,700	1.52	1.23	
Volunteered with school/community organizations	F2D10B=1	26.8	1.06	0.85	2,700	1.59	1.26	
Volunteered with church-related group	F2D10D=1	46.7	1.10	0.95	2,700	1.35	1.16	
Voted in 2004 Presidential election	F2D13=1	49.7	0.79	0.61	6,700	1.65	1.28	
Respondent served in military	F2D14=1	3.7	0.29	0.23	6,700	1.63	1.28	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	7.9	0.40	0.33	6,700	1.44	1.20	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	14.8	0.54	0.43	6,700	1.56	1.25	
Summary statistics								
Mean						1.58	1.25	
Minimum						1.21	1.10	
Median						1.54	1.24	
Maximum						2.29	1.51	
Standard Deviation						0.23	0.09	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."



**Table J-15. Student design effects, by item, using second follow-up questionnaire weight—High socioeconomic status (SES): 2006**

Survey item (or composite variable)	Variable	Estimate	Simple random		N	DEFF	DEFT	
			Design standard error	sample standard error				
Ever dropped out	F2EVERDO=1	4.6	0.44	0.33	4,100	1.80	1.34	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	93.4	0.48	0.39	4,100	1.50	1.22	
Received GED or other equivalency	F2HSSTAT=6	2.1	0.29	0.22	4,100	1.67	1.29	
Ever applied to a postsecondary school	F2EVRAPP=1	92.2	0.59	0.42	4,100	1.98	1.41	
Meet with advisor about academic plans often	F2B18B=3	24.1	0.88	0.70	3,800	1.60	1.27	
Participate in other extracurricular activities often	F2B18G=3	34.3	0.95	0.77	3,800	1.52	1.23	
Postsecondary education paid with grants/scholarships	F2B25A=1	51.4	1.15	0.81	3,800	1.99	1.41	
Expect to finish college, but not advanced degree	F2STEXP=6	29.5	0.93	0.71	4,100	1.69	1.30	
Ever held a job since leaving high school	F2EVRJOB=1	93.3	0.44	0.39	4,100	1.24	1.11	
First job is working for an employer	F2C07=1	88.1	1.76	1.54	450	1.31	1.14	
Current employer offers health insurance	F2C21=1	54.8	3.05	2.39	440	1.63	1.28	
At age 30 expects to have a job as a laborer	F2OCC30=5	0.6	0.22	0.15	3,000	2.20	1.48	
At age 30 expects to have a job as a manager	F2OCC30=6	12.6	0.79	0.60	3,000	1.70	1.30	
At age 30 expects to have a job in the military	F2OCC30=7	1.0	0.21	0.18	3,000	1.38	1.18	
At age 30 expects to have a professional job (group a)	F2OCC30=9	34.1	1.25	0.86	3,000	2.10	1.45	
At age 30 expects to have a sales job	F2OCC30=13	2.6	0.38	0.29	3,000	1.69	1.30	
At age 30 expects to have a job as a school teacher	F2OCC30=14	6.2	0.56	0.44	3,000	1.63	1.28	
College degree but not advanced degree needed for job at age 30	F2C41=6	42.1	1.04	0.78	4,000	1.76	1.33	
Respondent's current marital status is single	F2D01=1	98.4	0.25	0.20	4,100	1.62	1.27	
Respondent's current marital status is married	F2D01=2	1.5	0.24	0.19	4,100	1.66	1.29	
Number of friends or roommates living with respondent	F2D08C	1.2	0.03	0.02	4,100	1.74	1.32	
Number of siblings living with respondent	F2D08D	0.4	0.02	0.01	4,100	1.95	1.40	
Respondent lives in school provided housing in spring 2006	F2D07=1	41.8	1.30	0.84	3,400	2.37	1.54	
Respondent performed community service in past 2 years	F2D09=1	56.2	1.05	0.78	4,100	1.83	1.35	
Volunteered with school/community organizations	F2D10B=1	33.1	1.27	0.96	2,400	1.75	1.32	
Volunteered with church-related group	F2D10D=1	43.3	1.41	1.01	2,400	1.92	1.39	
Voted in 2004 Presidential election	F2D13=1	64.7	1.08	0.75	4,100	2.06	1.44	
Respondent served in military	F2D14=1	2.2	0.33	0.23	4,100	2.08	1.44	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	5.7	0.46	0.36	4,100	1.59	1.26	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	10.7	0.67	0.48	4,100	1.89	1.37	
Summary statistics								
Mean						1.76	1.32	
Minimum						1.24	1.11	
Median						1.72	1.31	
Maximum						2.37	1.54	
Standard Deviation						0.26	0.10	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-16. Student design effects, by item, using second follow-up questionnaire weight—Postsecondary enrolled: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	4.3	0.27	0.20	10,500	1.81	1.35	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	93.3	0.36	0.24	10,500	2.14	1.46	
Received GED or other equivalency	F2HSSTAT=6	2.0	0.18	0.14	10,500	1.73	1.32	
Ever applied to a postsecondary school	F2EVRAPP=1	95.3	0.28	0.21	10,500	1.85	1.36	
Meet with advisor about academic plans often	F2B18B=3	24.2	0.50	0.42	10,500	1.42	1.19	
Participate in other extracurricular activities often	F2B18G=3	24.3	0.53	0.42	10,500	1.62	1.27	
Postsecondary education paid with grants/scholarships	F2B25A=1	55.1	0.70	0.49	10,500	2.06	1.44	
Expect to finish college, but not advanced degree	F2STEXP=6	34.7	0.60	0.46	10,500	1.67	1.29	
Ever held a job since leaving high school	F2EVRJOB=1	92.8	0.31	0.25	10,500	1.50	1.22	
First job is working for an employer	F2C07=1	89.0	1.19	0.98	1,000	1.47	1.21	
Current employer offers health insurance	F2C21=1	63.0	1.55	1.32	1,300	1.37	1.17	
At age 30 expects to have a job as a laborer	F2OCC30=5	0.4	0.09	0.07	8,000	1.78	1.34	
At age 30 expects to have a job as a manager	F2OCC30=6	12.4	0.47	0.37	8,000	1.64	1.28	
At age 30 expects to have a job in the military	F2OCC30=7	0.9	0.14	0.11	8,000	1.70	1.31	
At age 30 expects to have a professional job (group a)	F2OCC30=9	33.2	0.70	0.53	8,000	1.78	1.33	
At age 30 expects to have a sales job	F2OCC30=13	2.4	0.22	0.17	8,000	1.66	1.29	
At age 30 expects to have a job as a school teacher	F2OCC30=14	6.2	0.34	0.27	8,000	1.59	1.26	
College degree but not advanced degree needed for job at age 30	F2C41=6	43.2	0.62	0.49	10,300	1.59	1.26	
Respondent's current marital status is single	F2D01=1	96.8	0.23	0.17	10,500	1.73	1.31	
Respondent's current marital status is married	F2D01=2	3.0	0.22	0.17	10,500	1.71	1.31	
Number of friends or roommates living with respondent	F2D08C	0.9	0.02	0.01	10,500	2.40	1.55	
Number of siblings living with respondent	F2D08D	0.5	0.01	0.01	10,500	2.33	1.53	
Respondent lives in school provided housing in spring 2006	F2D07=1	31.1	0.79	0.50	8,500	2.48	1.57	
Respondent performed community service in past 2 years	F2D09=1	48.6	0.65	0.49	10,500	1.79	1.34	
Volunteered with school/community organizations	F2D10B=1	31.3	0.87	0.64	5,300	1.88	1.37	
Volunteered with church-related group	F2D10D=1	44.9	0.88	0.68	5,300	1.65	1.29	
Voted in 2004 Presidential election	F2D13=1	57.6	0.66	0.48	10,500	1.89	1.38	
Respondent served in military	F2D14=1	2.1	0.19	0.14	10,500	1.76	1.33	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	7.0	0.31	0.25	10,500	1.53	1.24	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	13.9	0.45	0.34	10,500	1.80	1.34	
Summary statistics								
Mean						1.78	1.33	
Minimum						1.37	1.17	
Median						1.73	1.32	
Maximum						2.48	1.57	
Standard Deviation						0.27	0.10	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-17. Student design effects, by item, using second follow-up questionnaire weight—Never postsecondary enrolled: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	33.6	1.08	0.80	3,500	1.82	1.35	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	59.5	1.15	0.83	3,500	1.92	1.39	
Received GED or other equivalency	F2HSSTAT=6	8.2	0.56	0.46	3,500	1.49	1.22	
Ever applied to a postsecondary school	F2EVRAPP=1	35.3	1.03	0.81	3,500	1.61	1.27	
Meet with advisor about academic plans often	F2B18B=3	†	†	†	0	†	†	
Participate in other extracurricular activities often	F2B18G=3	†	†	†	0	†	†	
Postsecondary education paid with grants/scholarships	F2B25A=1	†	†	†	0	†	†	
Expect to finish college, but not advanced degree	F2STEXP=6	24.3	0.86	0.72	3,500	1.41	1.19	
Ever held a job since leaving high school	F2EVRJOB=1	92.0	0.54	0.46	3,500	1.37	1.17	
First job is working for an employer	F2C07=1	87.8	0.69	0.58	3,200	1.42	1.19	
Current employer offers health insurance	F2C21=1	68.6	1.15	1.00	2,100	1.32	1.15	
At age 30 expects to have a job as a laborer	F2OCC30=5	2.6	0.38	0.33	2,400	1.37	1.17	
At age 30 expects to have a job as a manager	F2OCC30=6	16.5	0.87	0.76	2,400	1.31	1.14	
At age 30 expects to have a job in the military	F2OCC30=7	1.6	0.28	0.25	2,400	1.25	1.12	
At age 30 expects to have a professional job (group a)	F2OCC30=9	20.2	1.01	0.82	2,400	1.51	1.23	
At age 30 expects to have a sales job	F2OCC30=13	2.8	0.39	0.34	2,400	1.37	1.17	
At age 30 expects to have a job as a school teacher	F2OCC30=14	3.1	0.45	0.36	2,400	1.60	1.27	
College degree but not advanced degree needed for job at age 30	F2C41=6	29.0	0.93	0.80	3,200	1.35	1.16	
Respondent's current marital status is single	F2D01=1	89.7	0.59	0.52	3,400	1.31	1.15	
Respondent's current marital status is married	F2D01=2	9.3	0.57	0.50	3,400	1.31	1.15	
Number of friends or roommates living with respondent	F2D08C	0.4	0.02	0.01	3,400	1.38	1.18	
Number of siblings living with respondent	F2D08D	0.8	0.03	0.02	3,400	1.77	1.33	
Respondent lives in school provided housing in spring 2006	F2D07=1	†	†	†	0	†	†	
Respondent performed community service in past 2 years	F2D09=1	22.5	0.85	0.71	3,400	1.42	1.19	
Volunteered with school/community organizations	F2D10B=1	12.6	1.36	1.18	800	1.34	1.16	
Volunteered with church-related group	F2D10D=1	53.4	2.07	1.77	800	1.37	1.17	
Voted in 2004 Presidential election	F2D13=1	30.4	0.96	0.78	3,400	1.49	1.22	
Respondent served in military	F2D14=1	5.0	0.42	0.37	3,400	1.30	1.14	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	9.1	0.58	0.49	3,400	1.38	1.18	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	14.7	0.66	0.60	3,400	1.20	1.10	
Summary statistics								
Mean						1.44	1.20	
Minimum						1.20	1.10	
Median						1.38	1.17	
Maximum						1.92	1.39	
Standard Deviation						0.18	0.07	

† Not applicable.

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

Table J-18. Student design effects, by item, using first follow-up to second follow-up panel weight—All: 2006

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT
Ever dropped out	F2EVERDO=1	12.4	0.45	0.29	13,400	2.46	1.57
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	83.5	0.56	0.32	13,400	3.01	1.73
Received GED or other equivalency	F2HSSTAT=6	3.7	0.22	0.16	13,400	1.87	1.37
Ever applied to a postsecondary school	F2EVRAPP=1	78.7	0.57	0.36	13,300	2.58	1.61
Meet with advisor about academic plans often	F2B18B=3	24.1	0.50	0.43	10,100	1.39	1.18
Participate in other extracurricular activities often	F2B18G=3	24.3	0.54	0.43	10,100	1.58	1.26
Postsecondary education paid with grants/scholarships	F2B25A=1	55.4	0.71	0.49	10,100	2.08	1.44
Expect to finish college, but not advanced degree	F2STEXP=6	31.7	0.49	0.40	13,400	1.48	1.22
Ever held a job since leaving high school	F2EVRJOB=1	92.5	0.27	0.23	13,300	1.44	1.20
First job is working for an employer	F2C07=1	88.3	0.63	0.53	3,700	1.42	1.19
Current employer offers health insurance	F2C21=1	66.9	1.04	0.83	3,200	1.56	1.25
At age 30 expects to have a job as a laborer	F2OCC30=5	1.0	0.12	0.10	9,900	1.55	1.25
At age 30 expects to have a job as a manager	F2OCC30=6	13.5	0.44	0.34	9,900	1.62	1.27
At age 30 expects to have a job in the military	F2OCC30=7	1.1	0.13	0.10	9,900	1.59	1.26
At age 30 expects to have a professional job (group a)	F2OCC30=9	29.6	0.63	0.46	9,900	1.86	1.36
At age 30 expects to have a sales job	F2OCC30=13	2.5	0.19	0.16	9,900	1.51	1.23
At age 30 expects to have a job as a school teacher	F2OCC30=14	5.4	0.28	0.23	9,900	1.55	1.24
College degree but not advanced degree needed for job at age 30	F2C41=6	39.2	0.56	0.43	12,900	1.69	1.30
Respondent's current marital status is single	F2D01=1	95.0	0.28	0.19	13,200	2.23	1.49
Respondent's current marital status is married	F2D01=2	4.6	0.27	0.18	13,200	2.19	1.48
Number of friends or roommates living with respondent	F2D08C	0.7	0.02	0.01	13,200	2.52	1.59
Number of siblings living with respondent	F2D08D	0.6	0.01	0.01	13,200	2.72	1.65
Respondent lives in school provided housing in spring 2006	F2D07=1	31.2	0.80	0.51	8,200	2.45	1.56
Respondent performed community service in past 2 years	F2D09=1	41.4	0.59	0.43	13,200	1.93	1.39
Volunteered with school/community organizations	F2D10B=1	28.2	0.80	0.59	5,900	1.88	1.37
Volunteered with church-related group	F2D10D=1	46.5	0.84	0.65	5,900	1.66	1.29
Voted in 2004 Presidential election	F2D13=1	50.1	0.67	0.43	13,200	2.36	1.54
Respondent served in military	F2D14=1	2.8	0.18	0.14	13,200	1.61	1.27
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	7.5	0.28	0.23	13,200	1.46	1.21
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	14.1	0.39	0.30	13,200	1.70	1.30
Summary statistics							
Mean						1.90	1.37
Minimum						1.39	1.18
Median						1.69	1.30
Maximum						3.01	1.73
Standard Deviation						0.45	0.16

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-19. Student design effects, by item, using first follow-up to second follow-up panel weight—Male: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT
Ever dropped out	F2EVERDO=1	14.6	0.63	0.44	6,500	2.03	1.42
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	80.6	0.71	0.49	6,500	2.07	1.44
Received GED or other equivalency	F2HSSTAT=6	4.3	0.33	0.25	6,500	1.67	1.29
Ever applied to a postsecondary school	F2EVRAPP=1	74.5	0.72	0.55	6,400	1.76	1.33
Meet with advisor about academic plans often	F2B18B=3	20.0	0.71	0.59	4,600	1.44	1.20
Participate in other extracurricular activities often	F2B18G=3	23.2	0.79	0.62	4,600	1.62	1.27
Postsecondary education paid with grants/scholarships	F2B25A=1	50.5	1.01	0.74	4,600	1.88	1.37
Expect to finish college, but not advanced degree	F2STEXP=6	33.1	0.69	0.59	6,500	1.41	1.19
Ever held a job since leaving high school	F2EVRJOB=1	93.1	0.37	0.32	6,400	1.38	1.17
First job is working for an employer	F2C07=1	85.3	0.90	0.78	2,100	1.34	1.16
Current employer offers health insurance	F2C21=1	69.8	1.32	1.09	1,800	1.47	1.21
At age 30 expects to have a job as a laborer	F2OCC30=5	1.8	0.25	0.19	4,700	1.61	1.27
At age 30 expects to have a job as a manager	F2OCC30=6	16.7	0.66	0.55	4,700	1.46	1.21
At age 30 expects to have a job in the military	F2OCC30=7	2.0	0.25	0.20	4,700	1.48	1.22
At age 30 expects to have a professional job (group a)	F2OCC30=9	26.5	0.83	0.64	4,700	1.68	1.29
At age 30 expects to have a sales job	F2OCC30=13	2.9	0.29	0.25	4,700	1.43	1.19
At age 30 expects to have a job as a school teacher	F2OCC30=14	2.0	0.27	0.20	4,700	1.69	1.30
College degree but not advanced degree needed for job at age 30	F2C41=6	38.8	0.79	0.62	6,200	1.61	1.27
Respondent's current marital status is single	F2D01=1	97.0	0.27	0.21	6,400	1.67	1.29
Respondent's current marital status is married	F2D01=2	2.6	0.25	0.20	6,400	1.58	1.26
Number of friends or roommates living with respondent	F2D08C	0.7	0.02	0.02	6,400	2.06	1.44
Number of siblings living with respondent	F2D08D	0.6	0.02	0.01	6,400	2.18	1.47
Respondent lives in school provided housing in spring 2006	F2D07=1	31.5	1.07	0.76	3,700	1.96	1.40
Respondent performed community service in past 2 years	F2D09=1	38.0	0.78	0.61	6,400	1.64	1.28
Volunteered with school/community organizations	F2D10B=1	25.0	1.04	0.85	2,600	1.50	1.22
Volunteered with church-related group	F2D10D=1	45.9	1.19	0.97	2,600	1.50	1.23
Voted in 2004 Presidential election	F2D13=1	47.9	0.86	0.63	6,400	1.90	1.38
Respondent served in military	F2D14=1	4.7	0.33	0.26	6,400	1.58	1.26
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	7.0	0.39	0.32	6,400	1.53	1.24
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	13.1	0.55	0.42	6,400	1.72	1.31
Summary statistics							
Mean						1.66	1.29
Minimum						1.34	1.16
Median						1.61	1.27
Maximum						2.18	1.47
Standard Deviation						0.23	0.09

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

Table J-20. Student design effects, by item, using first follow-up to second follow-up panel weight—Female: 2006

Survey item (or composite variable)	Variable	Estimate	Simple random		N	DEFF	DEFT	
			Design standard error	sample standard error				
Ever dropped out	F2EVERDO=1	10.2	0.52	0.36	6,900	2.07	1.44	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	86.4	0.69	0.41	6,900	2.82	1.68	
Received GED or other equivalency	F2HSSTAT=6	3.0	0.28	0.21	6,900	1.78	1.34	
Ever applied to a postsecondary school	F2EVRAPP=1	82.9	0.67	0.45	6,900	2.18	1.48	
Meet with advisor about academic plans often	F2B18B=3	27.7	0.71	0.61	5,500	1.37	1.17	
Participate in other extracurricular activities often	F2B18G=3	25.2	0.73	0.59	5,500	1.53	1.24	
Postsecondary education paid with grants/scholarships	F2B25A=1	59.8	0.85	0.66	5,500	1.65	1.28	
Expect to finish college, but not advanced degree	F2STEXP=6	30.3	0.73	0.55	6,900	1.73	1.32	
Ever held a job since leaving high school	F2EVRJOB=1	91.8	0.41	0.33	6,900	1.56	1.25	
First job is working for an employer	F2C07=1	92.3	0.77	0.65	1,700	1.41	1.19	
Current employer offers health insurance	F2C21=1	63.0	1.46	1.29	1,400	1.29	1.14	
At age 30 expects to have a job as a laborer	F2OCC30=5	0.2	0.07	0.05	5,200	1.81	1.35	
At age 30 expects to have a job as a manager	F2OCC30=6	10.4	0.52	0.42	5,200	1.50	1.22	
At age 30 expects to have a job in the military	F2OCC30=7	0.2	0.08	0.07	5,200	1.24	1.11	
At age 30 expects to have a professional job (group a)	F2OCC30=9	32.7	0.81	0.65	5,200	1.54	1.24	
At age 30 expects to have a sales job	F2OCC30=13	2.0	0.26	0.20	5,200	1.74	1.32	
At age 30 expects to have a job as a school teacher	F2OCC30=14	8.8	0.47	0.39	5,200	1.46	1.21	
College degree but not advanced degree needed for job at age 30	F2C41=6	39.5	0.76	0.60	6,700	1.61	1.27	
Respondent's current marital status is single	F2D01=1	93.0	0.43	0.31	6,800	1.97	1.40	
Respondent's current marital status is married	F2D01=2	6.5	0.42	0.30	6,800	2.00	1.41	
Number of friends or roommates living with respondent	F2D08C	0.8	0.02	0.02	6,800	2.19	1.48	
Number of siblings living with respondent	F2D08D	0.6	0.02	0.01	6,800	1.99	1.41	
Respondent lives in school provided housing in spring 2006	F2D07=1	30.8	0.98	0.69	4,500	2.04	1.43	
Respondent performed community service in past 2 years	F2D09=1	44.8	0.80	0.60	6,800	1.79	1.34	
Volunteered with school/community organizations	F2D10B=1	31.0	1.07	0.81	3,300	1.77	1.33	
Volunteered with church-related group	F2D10D=1	47.0	1.10	0.87	3,300	1.58	1.26	
Voted in 2004 Presidential election	F2D13=1	52.4	0.87	0.60	6,800	2.06	1.43	
Respondent served in military	F2D14=1	1.0	0.14	0.12	6,900	1.36	1.17	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	8.0	0.39	0.33	6,800	1.43	1.20	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	15.1	0.55	0.43	6,800	1.62	1.27	
Summary statistics								
Mean						1.74	1.31	
Minimum						1.24	1.11	
Median						1.69	1.30	
Maximum						2.82	1.68	
Standard Deviation						0.34	0.12	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-21. Student design effects, by item, using first follow-up to second follow-up panel weight—American Indian or Alaska Native: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	19.3	4.95	3.85	110	1.65	1.28	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	72.7	6.07	4.35	110	1.95	1.40	
Received GED or other equivalency	F2HSSTAT=6	7.0	3.29	2.49	110	1.75	1.32	
Ever applied to a postsecondary school	F2EVRAPP=1	69.2	6.54	4.57	100	2.05	1.43	
Meet with advisor about academic plans often	F2B18B=3	26.3	5.22	5.83	60	0.80	0.90	
Participate in other extracurricular activities often	F2B18G=3	31.6	6.71	6.22	60	1.17	1.08	
Postsecondary education paid with grants/scholarships	F2B25A=1	66.7	8.02	6.24	60	1.65	1.29	
Expect to finish college, but not advanced degree	F2STEXP=6	32.5	6.00	4.57	110	1.72	1.31	
Ever held a job since leaving high school	F2EVRJOB=1	90.6	3.59	2.89	100	1.55	1.24	
First job is working for an employer	F2C07=1	80.9	6.96	5.62	50	1.53	1.24	
Current employer offers health insurance	F2C21=1	50.1	12.56	9.45	30	1.77	1.33	
At age 30 expects to have a job as a laborer	F2OCC30=5	1.6	1.62	1.52	70	1.12	1.06	
At age 30 expects to have a job as a manager	F2OCC30=6	14.6	4.51	4.26	70	1.12	1.06	
At age 30 expects to have a job in the military	F2OCC30=7	5.2	3.78	2.68	70	1.99	1.41	
At age 30 expects to have a professional job (group a)	F2OCC30=9	22.6	5.69	5.03	70	1.28	1.13	
At age 30 expects to have a sales job	F2OCC30=13	3.2	2.61	2.11	70	1.53	1.24	
At age 30 expects to have a job as a school teacher	F2OCC30=14	5.4	2.81	2.72	70	1.07	1.03	
College degree but not advanced degree needed for job at age 30	F2C41=6	38.8	7.04	5.08	90	1.92	1.39	
Respondent's current marital status is single	F2D01=1	87.1	4.54	3.30	100	1.89	1.37	
Respondent's current marital status is married	F2D01=2	12.9	4.54	3.30	100	1.89	1.37	
Number of friends or roommates living with respondent	F2D08C	0.4	0.09	0.08	100	1.24	1.11	
Number of siblings living with respondent	F2D08D	0.8	0.13	0.12	100	1.26	1.12	
Respondent lives in school provided housing in spring 2006	F2D07=1	22.3	6.46	6.58	40	0.96	0.98	
Respondent performed community service in past 2 years	F2D09=1	33.9	5.42	4.67	100	1.35	1.16	
Volunteered with school/community organizations	F2D10B=1	27.4	7.43	7.54	40	0.97	0.99	
Volunteered with church-related group	F2D10D=1	30.7	8.19	7.80	40	1.10	1.05	
Voted in 2004 Presidential election	F2D13=1	47.4	6.52	4.92	100	1.75	1.32	
Respondent served in military	F2D14=1	3.2	2.00	1.75	100	1.30	1.14	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	9.8	3.68	2.93	100	1.58	1.26	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	22.6	4.29	4.12	100	1.08	1.04	
Summary statistics								
Mean						1.47	1.20	
Minimum						0.80	0.90	
Median						1.53	1.24	
Maximum						2.05	1.43	
Standard Deviation						0.36	0.15	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

Table J-22. Student design effects, by item, using first follow-up to second follow-up panel weight—Asian: 2006

Survey item (or composite variable)	Variable	Estimate	Simple random		N	DEFF	DEFT	
			Design standard error	sample standard error				
Ever dropped out	F2EVERDO=1	7.8	1.04	0.73	1,300	2.02	1.42	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	88.7	1.33	0.86	1,300	2.37	1.54	
Received GED or other equivalency	F2HSSTAT=6	1.7	0.38	0.36	1,300	1.14	1.07	
Ever applied to a postsecondary school	F2EVRAPP=1	88.4	1.07	0.88	1,300	1.49	1.22	
Meet with advisor about academic plans often	F2B18B=3	19.1	1.26	1.16	1,100	1.17	1.08	
Participate in other extracurricular activities often	F2B18G=3	27.9	1.80	1.33	1,100	1.84	1.36	
Postsecondary education paid with grants/scholarships	F2B25A=1	58.8	1.82	1.46	1,100	1.56	1.25	
Expect to finish college, but not advanced degree	F2STEXP=6	30.1	1.49	1.25	1,300	1.41	1.19	
Ever held a job since leaving high school	F2EVRJOB=1	79.7	1.25	1.10	1,300	1.28	1.13	
First job is working for an employer	F2C07=1	87.9	2.56	2.33	200	1.21	1.10	
Current employer offers health insurance	F2C21=1	61.7	4.72	3.80	170	1.55	1.24	
At age 30 expects to have a job as a laborer	F2OCC30=5	0.4	0.22	0.20	950	1.25	1.12	
At age 30 expects to have a job as a manager	F2OCC30=6	13.9	1.38	1.12	950	1.52	1.23	
At age 30 expects to have a job in the military	F2OCC30=7	0.5	0.23	0.23	950	0.99	1.00	
At age 30 expects to have a professional job (group a)	F2OCC30=9	34.8	1.66	1.55	950	1.15	1.07	
At age 30 expects to have a sales job	F2OCC30=13	1.5	0.37	0.40	950	0.85	0.92	
At age 30 expects to have a job as a school teacher	F2OCC30=14	2.6	0.57	0.52	950	1.23	1.11	
College degree but not advanced degree needed for job at age 30	F2C41=6	36.7	1.72	1.34	1,300	1.67	1.29	
Respondent's current marital status is single	F2D01=1	97.1	0.60	0.46	1,300	1.69	1.30	
Respondent's current marital status is married	F2D01=2	2.8	0.58	0.45	1,300	1.69	1.30	
Number of friends or roommates living with respondent	F2D08C	0.9	0.05	0.04	1,300	1.76	1.33	
Number of siblings living with respondent	F2D08D	0.9	0.06	0.04	1,300	2.38	1.54	
Respondent lives in school provided housing in spring 2006	F2D07=1	30.5	1.74	1.44	1,000	1.46	1.21	
Respondent performed community service in past 2 years	F2D09=1	48.4	1.87	1.37	1,300	1.86	1.36	
Volunteered with school/community organizations	F2D10B=1	39.5	2.48	1.91	660	1.69	1.30	
Volunteered with church-related group	F2D10D=1	42.6	2.17	1.93	650	1.26	1.12	
Voted in 2004 Presidential election	F2D13=1	33.1	1.84	1.29	1,300	2.03	1.43	
Respondent served in military	F2D14=1	1.3	0.38	0.31	1,300	1.46	1.21	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	5.3	0.70	0.61	1,300	1.31	1.15	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	13.2	1.14	0.93	1,300	1.51	1.23	
Summary statistics								
Mean						1.53	1.23	
Minimum						0.85	0.92	
Median						1.50	1.23	
Maximum						2.38	1.54	
Standard Deviation						0.37	0.15	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."



**Table J-23. Student design effects, by item, using first follow-up to second follow-up panel weight—Black or African American: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	20.4	1.39	0.97	1,700	2.07	1.44	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	73.5	1.59	1.06	1,700	2.27	1.51	
Received GED or other equivalency	F2HSSTAT=6	4.4	0.64	0.49	1,700	1.69	1.30	
Ever applied to a postsecondary school	F2EVRAPP=1	75.5	1.36	1.04	1,700	1.72	1.31	
Meet with advisor about academic plans often	F2B18B=3	34.4	1.57	1.38	1,200	1.29	1.14	
Participate in other extracurricular activities often	F2B18G=3	21.4	1.43	1.20	1,200	1.44	1.20	
Postsecondary education paid with grants/scholarships	F2B25A=1	66.9	1.53	1.37	1,200	1.25	1.12	
Expect to finish college, but not advanced degree	F2STEXP=6	30.5	1.33	1.10	1,700	1.46	1.21	
Ever held a job since leaving high school	F2EVRJOB=1	90.8	0.80	0.70	1,700	1.33	1.15	
First job is working for an employer	F2C07=1	88.1	1.38	1.27	650	1.17	1.08	
Current employer offers health insurance	F2C21=1	71.7	2.30	2.06	480	1.25	1.12	
At age 30 expects to have a job as a laborer	F2OCC30=5	1.1	0.38	0.28	1,400	1.87	1.37	
At age 30 expects to have a job as a manager	F2OCC30=6	16.4	1.17	0.99	1,400	1.40	1.18	
At age 30 expects to have a job in the military	F2OCC30=7	0.7	0.22	0.22	1,400	1.04	1.02	
At age 30 expects to have a professional job (group a)	F2OCC30=9	30.7	1.46	1.23	1,400	1.41	1.19	
At age 30 expects to have a sales job	F2OCC30=13	2.5	0.48	0.42	1,400	1.35	1.16	
At age 30 expects to have a job as a school teacher	F2OCC30=14	3.7	0.59	0.50	1,400	1.39	1.18	
College degree but not advanced degree needed for job at age 30	F2C41=6	38.1	1.53	1.19	1,700	1.65	1.29	
Respondent's current marital status is single	F2D01=1	97.6	0.40	0.37	1,700	1.17	1.08	
Respondent's current marital status is married	F2D01=2	2.1	0.40	0.35	1,700	1.30	1.14	
Number of friends or roommates living with respondent	F2D08C	0.5	0.03	0.02	1,700	1.25	1.12	
Number of siblings living with respondent	F2D08D	0.7	0.03	0.03	1,700	1.53	1.24	
Respondent lives in school provided housing in spring 2006	F2D07=1	32.3	1.90	1.59	870	1.43	1.19	
Respondent performed community service in past 2 years	F2D09=1	39.1	1.40	1.17	1,700	1.42	1.19	
Volunteered with school/community organizations	F2D10B=1	27.8	1.82	1.68	710	1.17	1.08	
Volunteered with church-related group	F2D10D=1	58.0	2.12	1.85	710	1.32	1.15	
Voted in 2004 Presidential election	F2D13=1	48.4	1.45	1.20	1,700	1.46	1.21	
Respondent served in military	F2D14=1	2.3	0.42	0.36	1,700	1.37	1.17	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	8.7	0.77	0.68	1,700	1.28	1.13	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	13.4	1.02	0.82	1,700	1.54	1.24	
Summary statistics								
Mean						1.44	1.20	
Minimum						1.04	1.02	
Median						1.39	1.18	
Maximum						2.27	1.51	
Standard Deviation						0.27	0.11	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-24. Student design effects, by item, using first follow-up to second follow-up panel weight—Hispanic or Latino: 2006**

Survey item (or composite variable)	Variable	Estimate	Design		N	DEFF	DEFT	
			standard error	simple random sample standard error				
Ever dropped out	F2EVERDO=1	19.6	1.13	0.91	1,900	1.55	1.25	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	72.9	1.35	1.01	1,900	1.77	1.33	
Received GED or other equivalency	F2HSSTAT=6	4.2	0.69	0.46	1,900	2.24	1.50	
Ever applied to a postsecondary school	F2EVRAPP=1	71.2	1.47	1.04	1,900	1.99	1.41	
Meet with advisor about academic plans often	F2B18B=3	25.5	1.43	1.24	1,200	1.32	1.15	
Participate in other extracurricular activities often	F2B18G=3	15.3	1.13	1.03	1,200	1.22	1.10	
Postsecondary education paid with grants/scholarships	F2B25A=1	52.7	1.75	1.43	1,200	1.50	1.22	
Expect to finish college, but not advanced degree	F2STEXP=6	31.9	1.22	1.06	1,900	1.31	1.14	
Ever held a job since leaving high school	F2EVRJOB=1	87.9	0.92	0.75	1,900	1.50	1.23	
First job is working for an employer	F2C07=1	87.4	1.22	1.20	760	1.03	1.01	
Current employer offers health insurance	F2C21=1	64.8	2.12	1.94	600	1.19	1.09	
At age 30 expects to have a job as a laborer	F2OCC30=5	1.3	0.38	0.30	1,400	1.64	1.28	
At age 30 expects to have a job as a manager	F2OCC30=6	13.6	0.91	0.91	1,400	1.00	1.00	
At age 30 expects to have a job in the military	F2OCC30=7	0.5	0.21	0.19	1,400	1.17	1.08	
At age 30 expects to have a professional job (group a)	F2OCC30=9	26.4	1.47	1.17	1,400	1.56	1.25	
At age 30 expects to have a sales job	F2OCC30=13	2.5	0.50	0.42	1,400	1.46	1.21	
At age 30 expects to have a job as a school teacher	F2OCC30=14	4.5	0.73	0.55	1,400	1.73	1.32	
College degree but not advanced degree needed for job at age 30	F2C41=6	36.7	1.31	1.13	1,800	1.36	1.17	
Respondent's current marital status is single	F2D01=1	92.0	0.73	0.62	1,900	1.36	1.17	
Respondent's current marital status is married	F2D01=2	7.1	0.68	0.59	1,900	1.33	1.16	
Number of friends or roommates living with respondent	F2D08C	0.4	0.02	0.02	1,900	1.08	1.04	
Number of siblings living with respondent	F2D08D	1.1	0.04	0.03	1,900	2.05	1.43	
Respondent lives in school provided housing in spring 2006	F2D07=1	14.8	1.46	1.18	910	1.54	1.24	
Respondent performed community service in past 2 years	F2D09=1	30.4	1.10	1.06	1,900	1.09	1.04	
Volunteered with school/community organizations	F2D10B=1	25.4	2.07	1.71	650	1.47	1.21	
Volunteered with church-related group	F2D10D=1	48.1	2.50	1.96	650	1.62	1.27	
Voted in 2004 Presidential election	F2D13=1	33.5	1.37	1.08	1,900	1.59	1.26	
Respondent served in military	F2D14=1	2.2	0.36	0.33	1,900	1.17	1.08	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	9.3	0.74	0.67	1,900	1.24	1.11	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	14.6	0.92	0.81	1,900	1.29	1.14	
Summary statistics								
Mean						1.45	1.20	
Minimum						1.00	1.00	
Median						1.41	1.19	
Maximum						2.24	1.50	
Standard Deviation						0.30	0.12	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-25. Student design effects, by item, using first follow-up to second follow-up panel weight—White: 2006**

Survey item (or composite variable)	Variable	Estimate	Design		N	DEFF	DEFT
			standard error	Simple random sample standard error			
Ever dropped out	F2EVERDO=1	8.6	0.44	0.32	7,600	1.85	1.36
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	88.9	0.53	0.36	7,600	2.14	1.46
Received GED or other equivalency	F2HSSTAT=6	3.4	0.27	0.21	7,600	1.65	1.28
Ever applied to a postsecondary school	F2EVRAPP=1	81.1	0.63	0.45	7,600	1.96	1.40
Meet with advisor about academic plans often	F2B18B=3	22.1	0.62	0.53	6,100	1.35	1.16
Participate in other extracurricular activities often	F2B18G=3	26.2	0.72	0.56	6,100	1.63	1.28
Postsecondary education paid with grants/scholarships	F2B25A=1	53.4	0.91	0.64	6,100	2.01	1.42
Expect to finish college, but not advanced degree	F2STEXP=6	32.0	0.64	0.53	7,600	1.46	1.21
Ever held a job since leaving high school	F2EVRJOB=1	95.2	0.29	0.24	7,600	1.40	1.18
First job is working for an employer	F2C07=1	88.8	0.88	0.73	1,900	1.47	1.21
Current employer offers health insurance	F2C21=1	66.5	1.36	1.14	1,700	1.42	1.19
At age 30 expects to have a job as a laborer	F2OCC30=5	0.9	0.15	0.12	5,600	1.54	1.24
At age 30 expects to have a job as a manager	F2OCC30=6	12.9	0.53	0.45	5,600	1.43	1.20
At age 30 expects to have a job in the military	F2OCC30=7	1.3	0.18	0.15	5,600	1.47	1.21
At age 30 expects to have a professional job (group a)	F2OCC30=9	29.7	0.87	0.61	5,600	2.02	1.42
At age 30 expects to have a sales job	F2OCC30=13	2.5	0.26	0.21	5,600	1.50	1.22
At age 30 expects to have a job as a school teacher	F2OCC30=14	6.4	0.40	0.33	5,600	1.46	1.21
College degree but not advanced degree needed for job at age 30	F2C41=6	40.4	0.70	0.57	7,400	1.51	1.23
Respondent's current marital status is single	F2D01=1	95.1	0.39	0.25	7,600	2.51	1.58
Respondent's current marital status is married	F2D01=2	4.5	0.37	0.24	7,600	2.46	1.57
Number of friends or roommates living with respondent	F2D08C	0.9	0.02	0.02	7,600	2.24	1.50
Number of siblings living with respondent	F2D08D	0.4	0.01	0.01	7,600	1.97	1.40
Respondent lives in school provided housing in spring 2006	F2D07=1	33.8	1.00	0.67	5,100	2.25	1.50
Respondent performed community service in past 2 years	F2D09=1	44.5	0.74	0.57	7,600	1.68	1.30
Volunteered with school/community organizations	F2D10B=1	28.4	1.00	0.75	3,600	1.78	1.33
Volunteered with church-related group	F2D10D=1	44.9	1.00	0.83	3,600	1.44	1.20
Voted in 2004 Presidential election	F2D13=1	56.7	0.83	0.57	7,600	2.12	1.46
Respondent served in military	F2D14=1	3.1	0.26	0.20	7,600	1.65	1.29
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	6.7	0.36	0.29	7,600	1.59	1.26
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	13.9	0.51	0.40	7,600	1.64	1.28
Summary statistics							
Mean						1.75	1.32
Minimum						1.35	1.16
Median						1.65	1.28
Maximum						2.51	1.58
Standard Deviation						0.33	0.12

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-26. Student design effects, by item, using first follow-up to second follow-up panel weight—More than one race: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	13.8	1.90	1.40	600	1.83	1.35	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	79.2	2.11	1.65	600	1.63	1.28	
Received GED or other equivalency	F2HSSTAT=6	4.8	1.22	0.87	600	1.96	1.40	
Ever applied to a postsecondary school	F2EVRAPP=1	77.7	2.34	1.70	600	1.88	1.37	
Meet with advisor about academic plans often	F2B18B=3	24.7	2.92	2.10	420	1.94	1.39	
Participate in other extracurricular activities often	F2B18G=3	27.9	2.81	2.18	420	1.67	1.29	
Postsecondary education paid with grants/scholarships	F2B25A=1	54.8	3.08	2.41	430	1.63	1.28	
Expect to finish college, but not advanced degree	F2STEXP=6	32.3	2.66	1.90	600	1.95	1.39	
Ever held a job since leaving high school	F2EVRJOB=1	90.7	1.49	1.19	600	1.57	1.25	
First job is working for an employer	F2C07=1	89.8	2.55	2.19	190	1.35	1.16	
Current employer offers health insurance	F2C21=1	69.9	4.38	3.49	170	1.58	1.26	
At age 30 expects to have a job as a laborer	F2OCC30=5	0.9	0.44	0.44	460	1.02	1.01	
At age 30 expects to have a job as a manager	F2OCC30=6	11.1	1.79	1.47	460	1.48	1.22	
At age 30 expects to have a job in the military	F2OCC30=7	2.4	0.94	0.72	460	1.70	1.31	
At age 30 expects to have a professional job (group a)	F2OCC30=9	33.0	2.87	2.21	460	1.70	1.30	
At age 30 expects to have a sales job	F2OCC30=13	2.3	0.87	0.70	460	1.57	1.25	
At age 30 expects to have a job as a school teacher	F2OCC30=14	3.9	1.03	0.90	460	1.30	1.14	
College degree but not advanced degree needed for job at age 30	F2C41=6	37.2	2.91	2.01	580	2.10	1.45	
Respondent's current marital status is single	F2D01=1	95.3	1.15	0.86	600	1.76	1.33	
Respondent's current marital status is married	F2D01=2	4.4	1.11	0.84	600	1.77	1.33	
Number of friends or roommates living with respondent	F2D08C	0.8	0.07	0.06	590	1.72	1.31	
Number of siblings living with respondent	F2D08D	0.6	0.06	0.04	590	1.67	1.29	
Respondent lives in school provided housing in spring 2006	F2D07=1	37.4	3.93	2.69	320	2.13	1.46	
Respondent performed community service in past 2 years	F2D09=1	41.9	2.51	2.02	600	1.55	1.24	
Volunteered with school/community organizations	F2D10B=1	23.0	3.11	2.60	260	1.43	1.19	
Volunteered with church-related group	F2D10D=1	37.4	3.96	2.97	270	1.77	1.33	
Voted in 2004 Presidential election	F2D13=1	45.4	2.67	2.04	590	1.71	1.31	
Respondent served in military	F2D14=1	5.3	1.15	0.92	600	1.56	1.25	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	9.4	1.45	1.20	600	1.47	1.21	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	16.4	2.01	1.52	600	1.76	1.33	
Summary statistics								
Mean						1.67	1.29	
Minimum						1.02	1.01	
Median						1.68	1.30	
Maximum						2.13	1.46	
Standard Deviation						0.23	0.09	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-27. Student design effects, by item, using first follow-up to second follow-up panel weight—Public: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT
Ever dropped out	F2EVERDO=1	13.1	0.48	0.33	10,400	2.09	1.45
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	82.5	0.60	0.37	10,400	2.56	1.60
Received GED or other equivalency	F2HSSTAT=6	3.9	0.24	0.19	10,400	1.60	1.27
Ever applied to a postsecondary school	F2EVRAPP=1	77.4	0.61	0.41	10,300	2.22	1.49
Meet with advisor about academic plans often	F2B18B=3	23.7	0.55	0.50	7,300	1.22	1.10
Participate in other extracurricular activities often	F2B18G=3	23.1	0.58	0.49	7,300	1.38	1.17
Postsecondary education paid with grants/scholarships	F2B25A=1	55.9	0.78	0.58	7,300	1.79	1.34
Expect to finish college, but not advanced degree	F2STEXP=6	31.7	0.52	0.46	10,400	1.30	1.14
Ever held a job since leaving high school	F2EVRJOB=1	92.6	0.29	0.26	10,300	1.26	1.12
First job is working for an employer	F2C07=1	88.5	0.64	0.54	3,400	1.38	1.17
Current employer offers health insurance	F2C21=1	67.0	1.07	0.88	2,800	1.48	1.22
At age 30 expects to have a job as a laborer	F2OCC30=5	1.0	0.13	0.11	7,700	1.31	1.15
At age 30 expects to have a job as a manager	F2OCC30=6	13.4	0.47	0.39	7,700	1.45	1.20
At age 30 expects to have a job in the military	F2OCC30=7	1.1	0.14	0.12	7,700	1.40	1.18
At age 30 expects to have a professional job (group a)	F2OCC30=9	29.3	0.67	0.52	7,700	1.67	1.29
At age 30 expects to have a sales job	F2OCC30=13	2.5	0.21	0.18	7,700	1.34	1.16
At age 30 expects to have a job as a school teacher	F2OCC30=14	5.5	0.30	0.26	7,700	1.36	1.17
College degree but not advanced degree needed for job at age 30	F2C41=6	38.9	0.60	0.49	10,000	1.49	1.22
Respondent's current marital status is single	F2D01=1	94.7	0.31	0.22	10,300	1.90	1.38
Respondent's current marital status is married	F2D01=2	4.9	0.29	0.21	10,300	1.87	1.37
Number of friends or roommates living with respondent	F2D08C	0.7	0.02	0.01	10,300	2.26	1.50
Number of siblings living with respondent	F2D08D	0.6	0.02	0.01	10,300	2.36	1.54
Respondent lives in school provided housing in spring 2006	F2D07=1	29.4	0.87	0.60	5,800	2.08	1.44
Respondent performed community service in past 2 years	F2D09=1	40.2	0.63	0.48	10,300	1.72	1.31
Volunteered with school/community organizations	F2D10B=1	27.5	0.87	0.68	4,300	1.63	1.28
Volunteered with church-related group	F2D10D=1	46.3	0.89	0.77	4,200	1.37	1.17
Voted in 2004 Presidential election	F2D13=1	49.1	0.71	0.49	10,300	2.07	1.44
Respondent served in military	F2D14=1	2.9	0.20	0.17	10,300	1.40	1.18
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	7.6	0.30	0.26	10,300	1.28	1.13
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	14.4	0.42	0.35	10,300	1.50	1.22
Summary statistics							
Mean						1.66	1.28
Minimum						1.22	1.10
Median						1.50	1.22
Maximum						2.56	1.60
Standard Deviation						0.38	0.14

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

Table J-28. Student design effects, by item, using first follow-up to second follow-up panel weight—Catholic: 2006

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random	N	DEFF	DEFT
				sample standard error			
Ever dropped out	F2EVERDO=1	2.2	0.60	0.35	1,800	2.90	1.70
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	97.7	0.50	0.36	1,800	1.90	1.38
Received GED or other equivalency	F2HSSTAT=6	1.3	0.31	0.27	1,800	1.33	1.15
Ever applied to a postsecondary school	F2EVRAPP=1	95.5	0.58	0.49	1,800	1.41	1.19
Meet with advisor about academic plans often	F2B18B=3	28.3	1.20	1.11	1,700	1.17	1.08
Participate in other extracurricular activities often	F2B18G=3	32.7	1.49	1.15	1,700	1.67	1.29
Postsecondary education paid with grants/scholarships	F2B25A=1	51.6	1.70	1.23	1,600	1.90	1.38
Expect to finish college, but not advanced degree	F2STEXP=6	34.1	1.19	1.13	1,800	1.10	1.05
Ever held a job since leaving high school	F2EVRJOB=1	93.4	0.86	0.59	1,800	2.09	1.44
First job is working for an employer	F2C07=1	79.2	3.08	3.33	150	0.86	0.92
Current employer offers health insurance	F2C21=1	66.2	4.30	3.58	180	1.45	1.20
At age 30 expects to have a job as a laborer	F2OCC30=5	0.2	0.18	0.14	1,300	1.81	1.35
At age 30 expects to have a job as a manager	F2OCC30=6	15.4	1.09	1.00	1,300	1.17	1.08
At age 30 expects to have a job in the military	F2OCC30=7	0.8	0.27	0.25	1,300	1.23	1.11
At age 30 expects to have a professional job (group a)	F2OCC30=9	36.1	1.60	1.34	1,300	1.44	1.20
At age 30 expects to have a sales job	F2OCC30=13	2.2	0.46	0.41	1,300	1.27	1.13
At age 30 expects to have a job as a school teacher	F2OCC30=14	4.8	0.66	0.59	1,300	1.26	1.12
College degree but not advanced degree needed for job at age 30	F2C41=6	44.3	1.59	1.20	1,700	1.76	1.33
Respondent's current marital status is single	F2D01=1	99.6	0.15	0.14	1,700	1.12	1.06
Respondent's current marital status is married	F2D01=2	0.3	0.15	0.14	1,700	1.17	1.08
Number of friends or roommates living with respondent	F2D08C	1.1	0.06	0.04	1,700	2.81	1.68
Number of siblings living with respondent	F2D08D	0.5	0.03	0.02	1,700	2.05	1.43
Respondent lives in school provided housing in spring 2006	F2D07=1	43.5	2.02	1.29	1,500	2.47	1.57
Respondent performed community service in past 2 years	F2D09=1	51.9	1.52	1.20	1,700	1.62	1.27
Volunteered with school/community organizations	F2D10B=1	35.1	1.95	1.58	910	1.52	1.23
Volunteered with church-related group	F2D10D=1	41.0	2.01	1.63	910	1.52	1.23
Voted in 2004 Presidential election	F2D13=1	65.1	1.60	1.14	1,700	1.97	1.40
Respondent served in military	F2D14=1	1.6	0.42	0.30	1,700	1.91	1.38
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	6.7	0.61	0.60	1,700	1.02	1.01
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	10.2	0.72	0.73	1,700	0.97	0.99
Summary statistics							
Mean						1.60	1.25
Minimum						0.86	0.92
Median						1.49	1.22
Maximum						2.90	1.70
Standard Deviation						0.51	0.20

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-29. Student design effects, by item, using first follow-up to second follow-up panel weight—Other private: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT
Ever dropped out	F2EVERDO=1	5.4	1.11	0.65	1,200	2.93	1.71
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	92.5	1.55	0.75	1,200	4.25	2.06
Received GED or other equivalency	F2HSSTAT=6	1.9	0.65	0.39	1,200	2.74	1.65
Ever applied to a postsecondary school	F2EVRAPP=1	92.8	1.16	0.74	1,200	2.47	1.57
Meet with advisor about academic plans often	F2B18B=3	26.9	1.46	1.32	1,100	1.22	1.11
Participate in other extracurricular activities often	F2B18G=3	37.9	1.99	1.45	1,100	1.88	1.37
Postsecondary education paid with grants/scholarships	F2B25A=1	50.8	2.40	1.49	1,100	2.59	1.61
Expect to finish college, but not advanced degree	F2STEXP=6	29.5	2.33	1.30	1,200	3.21	1.79
Ever held a job since leaving high school	F2EVRJOB=1	88.7	1.41	0.90	1,200	2.44	1.56
First job is working for an employer	F2C07=1	82.1	4.39	3.18	150	1.90	1.38
Current employer offers health insurance	F2C21=1	62.2	4.50	3.93	150	1.31	1.14
At age 30 expects to have a job as a laborer	F2OCC30=5	0	0	0	880	†	†
At age 30 expects to have a job as a manager	F2OCC30=6	12.8	1.30	1.13	880	1.32	1.15
At age 30 expects to have a job in the military	F2OCC30=7	0.9	0.37	0.31	880	1.43	1.20
At age 30 expects to have a professional job (group a)	F2OCC30=9	31.0	1.75	1.56	880	1.26	1.12
At age 30 expects to have a sales job	F2OCC30=13	2.1	0.53	0.48	880	1.21	1.10
At age 30 expects to have a job as a school teacher	F2OCC30=14	3.8	0.65	0.64	880	1.01	1.01
College degree but not advanced degree needed for job at age 30	F2C41=6	39.4	1.98	1.42	1,200	1.94	1.39
Respondent's current marital status is single	F2D01=1	97.7	0.63	0.43	1,200	2.16	1.47
Respondent's current marital status is married	F2D01=2	2.0	0.57	0.40	1,200	2.04	1.43
Number of friends or roommates living with respondent	F2D08C	1.0	0.06	0.04	1,200	2.56	1.60
Number of siblings living with respondent	F2D08D	0.4	0.06	0.03	1,200	4.20	2.05
Respondent lives in school provided housing in spring 2006	F2D07=1	47.2	3.34	1.59	980	4.39	2.09
Respondent performed community service in past 2 years	F2D09=1	60.7	1.71	1.40	1,200	1.50	1.23
Volunteered with school/community organizations	F2D10B=1	34.1	2.50	1.75	730	2.03	1.42
Volunteered with church-related group	F2D10D=1	55.0	4.04	1.84	730	4.82	2.20
Voted in 2004 Presidential election	F2D13=1	59.9	2.76	1.40	1,200	3.87	1.97
Respondent served in military	F2D14=1	1.9	0.51	0.39	1,200	1.70	1.31
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	4.7	0.75	0.60	1,200	1.55	1.24
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	10.9	0.74	0.89	1,200	0.68	0.83
Summary statistics							
Mean						2.30	1.47
Minimum						0.68	0.83
Median						2.03	1.42
Maximum						4.82	2.20
Standard Deviation						1.11	0.36

† Not applicable.

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-30. Student design effects, by item, using first follow-up to second follow-up panel weight—Low socioeconomic status (SES): 2006**

Survey item (or composite variable)	Variable	Estimate	Design		N	DEFF	DEFT
			standard error	simple random sample standard error			
Ever dropped out	F2EVERDO=1	23.1	1.02	0.76	3,100	1.80	1.34
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	70.6	1.13	0.82	3,100	1.87	1.37
Received GED or other equivalency	F2HSSTAT=6	5.2	0.53	0.40	3,100	1.77	1.33
Ever applied to a postsecondary school	F2EVRAPP=1	65.0	1.08	0.87	3,000	1.56	1.25
Meet with advisor about academic plans often	F2B18B=3	25.8	1.25	1.07	1,700	1.37	1.17
Participate in other extracurricular activities often	F2B18G=3	14.0	0.95	0.85	1,700	1.25	1.12
Postsecondary education paid with grants/scholarships	F2B25A=1	62.8	1.49	1.18	1,700	1.58	1.26
Expect to finish college, but not advanced degree	F2STEXP=6	28.3	0.98	0.81	3,100	1.45	1.20
Ever held a job since leaving high school	F2EVRJOB=1	89.7	0.68	0.55	3,000	1.50	1.23
First job is working for an employer	F2C07=1	88.0	0.95	0.86	1,400	1.24	1.11
Current employer offers health insurance	F2C21=1	68.0	1.64	1.40	1,100	1.37	1.17
At age 30 expects to have a job as a laborer	F2OCC30=5	1.5	0.31	0.26	2,200	1.42	1.19
At age 30 expects to have a job as a manager	F2OCC30=6	14.3	0.77	0.74	2,200	1.09	1.05
At age 30 expects to have a job in the military	F2OCC30=7	1.0	0.24	0.21	2,200	1.36	1.17
At age 30 expects to have a professional job (group a)	F2OCC30=9	26.3	0.96	0.93	2,200	1.08	1.04
At age 30 expects to have a sales job	F2OCC30=13	2.6	0.43	0.33	2,200	1.65	1.28
At age 30 expects to have a job as a school teacher	F2OCC30=14	3.9	0.49	0.41	2,200	1.42	1.19
College degree but not advanced degree needed for job at age 30	F2C41=6	34.2	1.04	0.88	2,900	1.39	1.18
Respondent's current marital status is single	F2D01=1	91.9	0.58	0.50	3,000	1.37	1.17
Respondent's current marital status is married	F2D01=2	7.3	0.55	0.47	3,000	1.37	1.17
Number of friends or roommates living with respondent	F2D08C	0.4	0.02	0.02	3,000	1.15	1.07
Number of siblings living with respondent	F2D08D	0.9	0.03	0.02	3,000	1.63	1.28
Respondent lives in school provided housing in spring 2006	F2D07=1	17.9	1.33	1.12	1,200	1.43	1.20
Respondent performed community service in past 2 years	F2D09=1	29.1	0.94	0.83	3,000	1.28	1.13
Volunteered with school/community organizations	F2D10B=1	22.2	1.60	1.36	940	1.39	1.18
Volunteered with church-related group	F2D10D=1	51.6	2.13	1.64	930	1.69	1.30
Voted in 2004 Presidential election	F2D13=1	34.3	1.20	0.86	3,000	1.91	1.38
Respondent served in military	F2D14=1	2.3	0.30	0.27	3,000	1.19	1.09
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	8.7	0.57	0.51	3,000	1.25	1.12
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	16.1	0.80	0.67	3,000	1.44	1.20
Summary statistics							
Mean						1.44	1.20
Minimum						1.08	1.04
Median						1.40	1.18
Maximum						1.91	1.38
Standard Deviation						0.22	0.09

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."



**Table J-31. Student design effects, by item, using first follow-up to second follow-up panel weight—Middle socioeconomic status (SES): 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	11.0	0.52	0.39	6,300	1.77	1.33	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	84.8	0.68	0.45	6,300	2.28	1.51	
Received GED or other equivalency	F2HSSTAT=6	3.8	0.31	0.24	6,300	1.68	1.30	
Ever applied to a postsecondary school	F2EVRAPP=1	78.6	0.71	0.52	6,300	1.90	1.38	
Meet with advisor about academic plans often	F2B18B=3	23.5	0.72	0.61	4,800	1.39	1.18	
Participate in other extracurricular activities often	F2B18G=3	21.4	0.69	0.60	4,700	1.34	1.16	
Postsecondary education paid with grants/scholarships	F2B25A=1	55.3	0.92	0.72	4,700	1.64	1.28	
Expect to finish college, but not advanced degree	F2STEXP=6	34.4	0.74	0.60	6,300	1.55	1.25	
Ever held a job since leaving high school	F2EVRJOB=1	93.3	0.34	0.31	6,300	1.17	1.08	
First job is working for an employer	F2C07=1	88.4	0.87	0.73	1,900	1.39	1.18	
Current employer offers health insurance	F2C21=1	68.3	1.36	1.14	1,700	1.43	1.20	
At age 30 expects to have a job as a laborer	F2OCC30=5	0.9	0.17	0.14	4,800	1.54	1.24	
At age 30 expects to have a job as a manager	F2OCC30=6	13.5	0.62	0.49	4,800	1.55	1.25	
At age 30 expects to have a job in the military	F2OCC30=7	1.2	0.19	0.16	4,800	1.39	1.18	
At age 30 expects to have a professional job (group a)	F2OCC30=9	29.1	0.83	0.66	4,800	1.59	1.26	
At age 30 expects to have a sales job	F2OCC30=13	2.4	0.27	0.22	4,800	1.48	1.22	
At age 30 expects to have a job as a school teacher	F2OCC30=14	5.8	0.45	0.34	4,800	1.72	1.31	
College degree but not advanced degree needed for job at age 30	F2C41=6	40.0	0.75	0.63	6,100	1.42	1.19	
Respondent's current marital status is single	F2D01=1	94.8	0.37	0.28	6,300	1.73	1.31	
Respondent's current marital status is married	F2D01=2	4.8	0.35	0.27	6,300	1.73	1.31	
Number of friends or roommates living with respondent	F2D08C	0.7	0.02	0.02	6,300	1.83	1.35	
Number of siblings living with respondent	F2D08D	0.6	0.02	0.01	6,300	1.93	1.39	
Respondent lives in school provided housing in spring 2006	F2D07=1	27.3	0.99	0.73	3,700	1.82	1.35	
Respondent performed community service in past 2 years	F2D09=1	39.8	0.78	0.62	6,300	1.59	1.26	
Volunteered with school/community organizations	F2D10B=1	27.0	1.10	0.87	2,600	1.61	1.27	
Volunteered with church-related group	F2D10D=1	46.9	1.14	0.97	2,600	1.36	1.17	
Voted in 2004 Presidential election	F2D13=1	50.5	0.81	0.63	6,300	1.66	1.29	
Respondent served in military	F2D14=1	3.5	0.29	0.23	6,300	1.62	1.27	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	7.6	0.40	0.34	6,300	1.45	1.21	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	14.9	0.58	0.45	6,300	1.65	1.29	
Summary statistics								
Mean						1.61	1.26	
Minimum						1.17	1.08	
Median						1.60	1.27	
Maximum						2.28	1.51	
Standard Deviation						0.22	0.09	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-32. Student design effects, by item, using first follow-up to second follow-up panel weight—High socioeconomic status (SES): 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT
Ever dropped out	F2EVERDO=1	4.5	0.45	0.33	4,000	1.86	1.37
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	93.8	0.49	0.38	4,000	1.61	1.27
Received GED or other equivalency	F2HSSTAT=6	2.0	0.30	0.22	4,000	1.79	1.34
Ever applied to a postsecondary school	F2EVRAPP=1	92.7	0.59	0.41	3,900	2.02	1.42
Meet with advisor about academic plans often	F2B18B=3	24.2	0.89	0.71	3,700	1.58	1.26
Participate in other extracurricular activities often	F2B18G=3	34.6	0.98	0.78	3,700	1.57	1.25
Postsecondary education paid with grants/scholarships	F2B25A=1	51.6	1.18	0.83	3,700	2.03	1.42
Expect to finish college, but not advanced degree	F2STEXP=6	29.5	0.95	0.73	4,000	1.72	1.31
Ever held a job since leaving high school	F2EVRJOB=1	93.6	0.43	0.39	3,900	1.20	1.10
First job is working for an employer	F2C07=1	88.7	1.71	1.59	400	1.16	1.08
Current employer offers health insurance	F2C21=1	57.0	3.14	2.50	390	1.58	1.26
At age 30 expects to have a job as a laborer	F2OCC30=5	0.6	0.21	0.14	2,900	2.15	1.47
At age 30 expects to have a job as a manager	F2OCC30=6	12.8	0.82	0.62	2,900	1.73	1.32
At age 30 expects to have a job in the military	F2OCC30=7	0.9	0.21	0.18	2,900	1.39	1.18
At age 30 expects to have a professional job (group a)	F2OCC30=9	34.1	1.27	0.88	2,900	2.08	1.44
At age 30 expects to have a sales job	F2OCC30=13	2.6	0.39	0.29	2,900	1.75	1.32
At age 30 expects to have a job as a school teacher	F2OCC30=14	6.1	0.56	0.44	2,900	1.59	1.26
College degree but not advanced degree needed for job at age 30	F2C41=6	42.2	1.05	0.80	3,900	1.74	1.32
Respondent's current marital status is single	F2D01=1	98.5	0.25	0.19	3,900	1.68	1.30
Respondent's current marital status is married	F2D01=2	1.4	0.24	0.19	3,900	1.72	1.31
Number of friends or roommates living with respondent	F2D08C	1.2	0.03	0.02	3,900	1.68	1.30
Number of siblings living with respondent	F2D08D	0.4	0.02	0.01	3,900	1.89	1.38
Respondent lives in school provided housing in spring 2006	F2D07=1	41.9	1.31	0.86	3,300	2.34	1.53
Respondent performed community service in past 2 years	F2D09=1	56.9	1.04	0.79	3,900	1.73	1.32
Volunteered with school/community organizations	F2D10B=1	33.0	1.29	0.97	2,300	1.76	1.33
Volunteered with church-related group	F2D10D=1	43.3	1.42	1.03	2,300	1.92	1.38
Voted in 2004 Presidential election	F2D13=1	65.1	1.08	0.76	3,900	2.02	1.42
Respondent served in military	F2D14=1	2.1	0.33	0.23	3,900	2.08	1.44
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	6.0	0.49	0.38	3,900	1.67	1.29
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	10.5	0.68	0.49	3,900	1.95	1.40
Summary statistics							
Mean						1.77	1.33
Minimum						1.16	1.08
Median						1.74	1.32
Maximum						2.34	1.53
Standard Deviation						0.26	0.10

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-33. Student design effects, by item, using first follow-up to second follow-up panel weight—Postsecondary enrolled: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT	
Ever dropped out	F2EVERDO=1	4.2	0.29	0.20	10,200	2.07	1.44	
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	93.3	0.38	0.25	10,200	2.34	1.53	
Received GED or other equivalency	F2HSSTAT=6	2.1	0.20	0.14	10,200	1.94	1.39	
Ever applied to a postsecondary school	F2EVRAPP=1	95.3	0.29	0.21	10,200	1.86	1.36	
Meet with advisor about academic plans often	F2B18B=3	24.1	0.50	0.43	10,100	1.39	1.18	
Participate in other extracurricular activities often	F2B18G=3	24.3	0.54	0.43	10,100	1.58	1.26	
Postsecondary education paid with grants/scholarships	F2B25A=1	55.4	0.71	0.49	10,100	2.08	1.44	
Expect to finish college, but not advanced degree	F2STEXP=6	34.7	0.62	0.47	10,200	1.72	1.31	
Ever held a job since leaving high school	F2EVRJOB=1	92.8	0.31	0.26	10,200	1.46	1.21	
First job is working for an employer	F2C07=1	89.1	1.24	1.01	960	1.53	1.24	
Current employer offers health insurance	F2C21=1	63.2	1.60	1.36	1,200	1.37	1.17	
At age 30 expects to have a job as a laborer	F2OCC30=5	0.4	0.09	0.07	7,700	1.70	1.30	
At age 30 expects to have a job as a manager	F2OCC30=6	12.4	0.49	0.37	7,700	1.68	1.30	
At age 30 expects to have a job in the military	F2OCC30=7	0.9	0.14	0.11	7,700	1.68	1.29	
At age 30 expects to have a professional job (group a)	F2OCC30=9	33.1	0.72	0.54	7,700	1.80	1.34	
At age 30 expects to have a sales job	F2OCC30=13	2.4	0.23	0.17	7,700	1.73	1.31	
At age 30 expects to have a job as a school teacher	F2OCC30=14	6.3	0.35	0.28	7,700	1.60	1.26	
College degree but not advanced degree needed for job at age 30	F2C41=6	43.1	0.63	0.50	9,900	1.61	1.27	
Respondent's current marital status is single	F2D01=1	96.9	0.25	0.17	10,100	2.03	1.43	
Respondent's current marital status is married	F2D01=2	2.9	0.24	0.17	10,100	2.04	1.43	
Number of friends or roommates living with respondent	F2D08C	0.9	0.02	0.01	10,100	2.40	1.55	
Number of siblings living with respondent	F2D08D	0.5	0.02	0.01	10,100	2.40	1.55	
Respondent lives in school provided housing in spring 2006	F2D07=1	31.2	0.80	0.51	8,200	2.45	1.56	
Respondent performed community service in past 2 years	F2D09=1	48.7	0.67	0.50	10,100	1.79	1.34	
Volunteered with school/community organizations	F2D10B=1	31.2	0.89	0.65	5,200	1.89	1.37	
Volunteered with church-related group	F2D10D=1	44.9	0.89	0.69	5,100	1.65	1.28	
Voted in 2004 Presidential election	F2D13=1	57.7	0.68	0.49	10,100	1.93	1.39	
Respondent served in military	F2D14=1	2.2	0.19	0.14	10,100	1.78	1.33	
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	6.9	0.31	0.25	10,100	1.52	1.23	
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	13.7	0.46	0.34	10,100	1.83	1.35	
Summary statistics								
Mean						1.83	1.35	
Minimum						1.37	1.17	
Median						1.78	1.34	
Maximum						2.45	1.56	
Standard Deviation						0.30	0.11	

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

**Table J-34. Student design effects, by item, using first follow-up to second follow-up panel weight—Never postsecondary enrolled: 2006**

Survey item (or composite variable)	Variable	Estimate	Design standard error	Simple random sample standard error	N	DEFF	DEFT
Ever dropped out	F2EVERDO=1	32.6	1.10	0.84	3,100	1.70	1.30
Fall 2003–summer 2004 high school graduate	F2HSSTAT=1	60.9	1.18	0.88	3,100	1.82	1.35
Received GED or other equivalency	F2HSSTAT=6	8.0	0.59	0.49	3,100	1.46	1.21
Ever applied to a postsecondary school	F2EVRAPP=1	36.1	1.04	0.86	3,100	1.46	1.21
Meet with advisor about academic plans often	F2B18B=3	†	†	†	0	†	†
Participate in other extracurricular activities often	F2B18G=3	†	†	†	0	†	†
Postsecondary education paid with grants/scholarships	F2B25A=1	†	†	†	0	†	†
Expect to finish college, but not advanced degree	F2STEXP=6	24.1	0.87	0.77	3,100	1.30	1.14
Ever held a job since leaving high school	F2EVRJOB=1	91.6	0.57	0.50	3,100	1.30	1.14
First job is working for an employer	F2C07=1	88.0	0.72	0.62	2,800	1.37	1.17
Current employer offers health insurance	F2C21=1	69.0	1.24	1.06	1,900	1.36	1.17
At age 30 expects to have a job as a laborer	F2OCC30=5	2.7	0.42	0.35	2,100	1.42	1.19
At age 30 expects to have a job as a manager	F2OCC30=6	16.4	0.88	0.81	2,100	1.19	1.09
At age 30 expects to have a job in the military	F2OCC30=7	1.6	0.33	0.28	2,100	1.45	1.21
At age 30 expects to have a professional job (group a)	F2OCC30=9	20.0	1.12	0.87	2,100	1.65	1.28
At age 30 expects to have a sales job	F2OCC30=13	2.6	0.42	0.35	2,100	1.46	1.21
At age 30 expects to have a job as a school teacher	F2OCC30=14	3.0	0.46	0.37	2,100	1.55	1.25
College degree but not advanced degree needed for job at age 30	F2C41=6	28.5	0.98	0.84	2,900	1.35	1.16
Respondent's current marital status is single	F2D01=1	90.0	0.62	0.54	3,100	1.29	1.13
Respondent's current marital status is married	F2D01=2	9.0	0.59	0.52	3,100	1.32	1.15
Number of friends or roommates living with respondent	F2D08C	0.3	0.02	0.01	3,000	1.43	1.20
Number of siblings living with respondent	F2D08D	0.8	0.03	0.02	3,000	1.77	1.33
Respondent lives in school provided housing in spring 2006	F2D07=1	†	†	†	0	†	†
Respondent performed community service in past 2 years	F2D09=1	22.7	0.90	0.76	3,100	1.41	1.19
Volunteered with school/community organizations	F2D10B=1	12.6	1.42	1.24	720	1.32	1.15
Volunteered with church-related group	F2D10D=1	55.3	2.08	1.85	720	1.26	1.12
Voted in 2004 Presidential election	F2D13=1	30.8	1.00	0.84	3,000	1.44	1.20
Respondent served in military	F2D14=1	4.7	0.44	0.38	3,100	1.33	1.15
Respondent's parent/guardian divorced in last 2 years	F2D15A=1	9.0	0.63	0.52	3,000	1.47	1.21
Respondent's parent/guardian lost job in last 2 years	F2D15B=1	14.9	0.75	0.65	3,000	1.36	1.17
Summary statistics							
Mean						1.43	1.20
Minimum						1.19	1.09
Median						1.41	1.19
Maximum						1.82	1.35
Standard Deviation						0.15	0.06

† Not applicable.

NOTE: DEFF = design effect; DEFT = root design effect; N = sample size. GED = General Educational Development credential.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, Restricted-Use Data File, 2006."

# **Appendix K**

## **Nonresponse Bias Tables**

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**Table K-1. Nonresponse bias before and after weight adjustments for the sample using the cross-sectional weight, by selected categorical variables: 2006**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted nonrespondents	Re-spondent mean weighted <sup>1</sup>	Non-respon-dent mean weighted <sup>1</sup>	Esti-mated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjust-ments <sup>1</sup>	Overall mean, after adjust-ments <sup>3</sup>	Esti-mated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
<b>Father's occupation</b>													
No job for pay	150	30	0.763	0.88	-0.018	-0.023	N	0.776	0.745	0.031	-0.045	0.04	N
Clerical	340	40	2.565	1.994	0.089	0.036	N	2.499	2.447	0.051	-0.672	0.021	N
Craftsperson	1,800	220	13.947	14.448	-0.078	-0.006	N	14.005	13.799	0.206	-1.806	0.015	N
Farmer, farm manager	270	30	2.308	2.24	0.01	0.005	N	2.3	2.182	0.118	0.106	0.051	N
Homemaker	340	70	2.415	4.403	-0.308	-0.113	N	2.646	2.66	-0.014	-1.218	-0.005	N
Laborer	1,400	220	10.482	13.101	-0.406	-0.037	N	10.785	10.798	-0.013	-3.089	-0.001	N
Manager, administrator	2,100	250	14.555	14.584	-0.004	#	N	14.559	14.669	-0.111	-3.65	-0.008	N
Military	190	‡	1.345	1.197	0.023	0.017	N	1.328	1.341	-0.013	-1.484	-0.01	N
Operative	1,600	200	12.111	12.396	-0.044	-0.004	N	12.144	12.085	0.059	-2.435	0.005	N
Professional A	1,600	140	10.126	8.036	0.324	0.033	N	9.884	10.063	-0.179	-4.26	-0.018	N
Professional B	860	80	4.717	3.688	0.159	0.035	N	4.598	4.795	-0.197	-4.844	-0.043	N
Proprietor, owner	850	120	5.598	5.808	-0.033	-0.006	N	5.622	5.766	-0.144	-3.823	-0.026	N
Protective service	490	50	3.586	3.108	0.074	0.021	N	3.53	3.435	0.095	-0.505	0.027	N
Sales	740	90	5.42	4.71	0.11	0.021	N	5.338	5.238	0.1	-0.738	0.019	N
School teacher	210	‡	1.473	0.405	0.165	0.127	Y	1.349	1.361	-0.012	-0.915	-0.009	N
Service	560	90	3.735	5.115	-0.214	-0.054	N	3.895	3.909	-0.013	-1.909	-0.003	N
Technical	670	80	4.855	3.886	0.15	0.032	N	4.743	4.707	0.036	-1.651	0.008	N
<b>Mother's occupation</b>													
No job for pay	540	70	3.211	3.2	0.002	0.001	N	3.21	3.115	0.095	-0.342	0.03	N
Clerical	2,300	260	16.87	17.118	-0.038	-0.002	N	16.898	16.646	0.252	-2.041	0.015	N
Craftsperson	320	40	2.426	2.333	0.014	0.006	N	2.416	2.338	0.078	-0.306	0.032	N
Farmer, farm manager	80	‡	0.615	0.551	0.01	0.016	N	0.607	0.634	-0.027	-1.093	-0.044	N
Homemaker	730	180	5.559	9.472	-0.607	-0.098	Y	6.012	5.967	0.045	-1.347	0.008	N
Laborer	610	90	4.567	5.154	-0.091	-0.02	N	4.635	4.621	0.015	-1.584	0.003	N
Manager, administrator	1,500	190	10.485	10.059	0.066	0.006	N	10.435	10.585	-0.15	-4.158	-0.014	N
Military	30	‡	0.158	0.042	0.018	0.128	N	0.144	0.164	-0.02	-2.848	-0.139	N
Operative	580	80	4.293	4.642	-0.054	-0.012	N	4.334	4.334	#	-1.92	#	N
Professional A	2,100	190	13.774	10.883	0.448	0.034	N	13.439	13.773	-0.334	-5.287	-0.025	N
Professional B	550	60	3.486	2.62	0.134	0.04	N	3.385	3.576	-0.191	-4.874	-0.056	N
Proprietor, owner	340	50	2.222	2.833	-0.095	-0.041	N	2.293	2.336	-0.043	-1.886	-0.019	N
Protective service	100	‡	0.679	0.817	-0.021	-0.03	N	0.695	0.704	-0.009	-1.122	-0.013	N

See notes at end of table.

K-3

**Table K-1. Nonresponse bias before and after weight adjustments for the sample using the cross-sectional weight, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted nonrespondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Mother's occupation—													
Continued													
Sales	610	70	4.388	4.695	-0.048	-0.011	N	4.423	4.293	0.13	-0.463	0.029	N
School teacher	960	70	6.587	3.88	0.419	0.068	Y	6.273	6.23	0.043	-2.038	0.007	N
Service	2,200	310	15.526	18.832	-0.512	-0.032	N	15.909	15.866	0.043	0.217	0.003	N
Technical	710	60	5.155	2.868	0.355	0.074	Y	4.89	4.818	0.073	0.662	0.015	N
English is the student's native language													
No	2,400	380	13.85	17.31	-0.536	-0.037	Y	14.251	14.501	-0.251	-3.284	-0.018	N
Yes	11,800	1,400	86.15	82.69	0.536	0.006	Y	85.749	85.499	0.251	-8.899	0.003	N
Sophomore cohort member													
No	140	‡	1.172	1.392	-0.034	-0.028	N	1.198	1.449	-0.251	-3.52	-0.21	Y
Yes	14,000	1,700	98.828	98.608	0.034	#	N	98.802	98.551	0.251	3.52	0.003	Y
Senior cohort member													
No	1,600	500	13.137	28.862	-2.437	-0.156	Y	14.959	13.878	1.081	3.929	0.072	Y
Yes	12,500	1,200	86.863	71.138	2.437	0.029	Y	85.041	86.122	-1.081	-3.929	-0.013	Y
Asian 10th-grade enrollment percent													
≤ 2 percent	5,500	730	38.998	36.205	0.433	0.011	N	38.565	38.743	-0.178	-0.485	-0.005	N
> 2 percent	8,600	1,400	61.002	63.795	-0.433	-0.007	N	61.435	61.257	0.178	0.485	0.003	N
Black or African American 10th-grade enrollment percent													
≤ 4 percent	4,800	670	34.644	32.434	0.343	0.01	N	34.302	34.097	0.205	0.537	0.006	N
> 4 percent	9,300	1,400	65.356	67.566	-0.343	-0.005	N	65.698	65.903	-0.205	-0.537	-0.003	N
Income													
None	70	‡	0.426	0.534	-0.017	-0.038	N	0.439	0.443	-0.005	-0.936	-0.01	N
\$1,000 or less	150	‡	1.085	0.948	0.021	0.02	N	1.069	1.1	-0.031	-2.306	-0.029	N
\$1,001–\$5,000	260	40	1.855	2.058	-0.031	-0.017	N	1.879	1.862	0.017	-0.904	0.009	N
\$5,001–\$10,000	300	50	2.278	2.138	0.022	0.01	N	2.261	2.247	0.014	-1.125	0.006	N
\$10,001–\$15,000	610	80	4.349	4.899	-0.085	-0.019	N	4.413	4.319	0.094	-0.799	0.021	N
\$15,001–\$20,000	680	90	4.86	5.215	-0.055	-0.011	N	4.901	4.861	0.04	-1.551	0.008	N
\$20,001–\$25,000	860	120	6.458	7.724	-0.196	-0.029	N	6.605	6.471	0.134	-1.018	0.02	N

See notes at end of table.



**Table K-1. Nonresponse bias before and after weight adjustments for the sample using the cross-sectional weight, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted nonrespondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Income—Continued													
\$25,001–\$35,000	1,600	230	12.199	13.369	-0.181	-0.015	N	12.334	12.302	0.032	-2.854	0.003	N
\$35,001–\$50,000	2,600	350	19.233	21.54	-0.358	-0.018	N	19.5	19.412	0.088	-3.393	0.005	N
\$50,001–\$75,000	2,900	320	21.354	18.507	0.441	0.021	N	21.025	20.881	0.143	-3.327	0.007	N
\$75,001–\$100,000	1,900	220	13.155	12.438	0.111	0.009	N	13.072	13.177	-0.105	-3.497	-0.008	N
\$100,001–\$200,000	1,600	180	9.982	9.117	0.134	0.014	N	9.882	10.172	-0.29	-5.079	-0.029	N
\$200,001 or more	530	50	2.766	1.513	0.194	0.076	Y	2.621	2.753	-0.133	-2.264	-0.051	N
Census region													
Northeast	2,600	320	18.312	16.608	0.264	0.015	N	18.115	18.572	-0.458	-1.755	-0.025	N
Midwest	3,600	370	24.5	21.6	0.449	0.019	N	24.164	24.183	-0.019	-0.077	-0.001	N
South	5,200	620	35.121	33.688	0.222	0.006	N	34.955	34.491	0.464	1.496	0.013	N
West	2,800	410	22.067	28.104	-0.936	-0.041	Y	22.766	22.754	0.012	0.029	0.001	N
School sector													
Public	11,100	1,700	92.132	93.315	-0.183	-0.002	N	92.315	92.331	-0.016	-0.067	#	N
Catholic	1,800	200	4.435	3.115	0.205	0.048	Y	4.231	4.225	0.006	0.105	0.001	N
Other private	1,300	210	3.433	3.569	-0.021	-0.006	N	3.454	3.444	0.01	0.043	0.003	N
School urbanicity													
Urban	4,800	600	29.677	33.06	-0.524	-0.017	N	30.069	30.7	-0.631	-1.731	-0.021	N
Suburban	6,800	830	50.334	48.209	0.329	0.007	N	50.088	49.967	0.121	0.335	0.002	N
Rural	2,600	300	19.989	18.73	0.195	0.01	N	19.843	19.332	0.511	1.572	0.026	N
Minutes per class period													
≤ 45	3,400	510	18.804	20.001	-0.185	-0.01	N	18.99	19.106	-0.116	-0.413	-0.006	N
46–50	3,100	440	22.019	21.698	0.05	0.002	N	21.969	21.835	0.133	0.344	0.006	N
51–80	3,700	580	28.518	30.083	-0.243	-0.008	N	28.761	28.801	-0.04	-0.106	-0.001	N
81+	4,000	560	30.659	28.218	0.378	0.012	N	30.281	30.258	0.023	0.065	0.001	N
Class periods per day													
1–4	4,100	560	31.531	28.279	0.504	0.016	N	31.027	30.991	0.036	0.102	0.001	N
5–6	3,400	590	26.338	30.575	-0.657	-0.024	N	26.995	26.993	0.002	0.007	#	N
7	3,800	560	24.877	24.923	-0.007	#	N	24.884	24.861	0.023	0.068	0.001	N
8–9	2,800	380	17.255	16.222	0.16	0.009	N	17.095	17.156	-0.061	-0.173	-0.004	N

See notes at end of table.

K-5

**Table K-1. Nonresponse bias before and after weight adjustments for the sample using the cross-sectional weight, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted nonrespondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Is the school coeducational?													
Yes	13,400	2,000	97.912	98.321	-0.063	-0.001	N	97.975	97.972	0.003	0.079	#	N
No, all-female school	350	50	1.017	0.81	0.032	0.033	N	0.985	0.981	0.004	0.188	0.005	N
No, all-male school	390	60	1.071	0.869	0.031	0.03	N	1.04	1.047	-0.007	-0.28	-0.007	N
10th-grade enrollment													
0–99	2,700	410	12.518	10.556	0.304	0.025	N	12.214	12.164	0.051	0.147	0.004	N
100–249	3,700	410	22.647	16.274	0.988	0.046	Y	21.66	21.675	-0.016	-0.059	-0.001	N
250–499	4,500	640	35.98	36.446	-0.072	-0.002	N	36.052	36.048	0.004	0.011	#	N
500+	3,200	630	28.854	36.724	-1.22	-0.041	Y	30.074	30.113	-0.039	-0.093	-0.001	N
Total enrollment													
≤ 600	3,300	450	17.731	13.707	0.624	0.036	Y	17.107	17.046	0.061	0.171	0.004	N
601–1,200	4,300	570	27.457	25.281	0.337	0.012	N	27.12	27.103	0.017	0.051	0.001	N
1,201–1,800	3,200	470	26.319	25.93	0.06	0.002	N	26.258	26.273	-0.015	-0.047	-0.001	N
> 1,800	3,300	610	28.494	35.082	-1.021	-0.035	Y	29.515	29.578	-0.063	-0.151	-0.002	N
Enrollment status													
In school / in grade (grade 12)	12,400	1,200	86.207	70.494	2.435	0.029	Y	84.387	85.403	-1.016	-3.705	-0.012	Y
In school / out of grade	940	320	7.549	18.714	-1.73	-0.186	Y	8.843	7.988	0.855	3.75	0.097	Y
Out of school	730	150	5.985	9.357	-0.523	-0.08	Y	6.376	6.23	0.146	1.048	0.023	N
Out of scope	40	40	0.259	1.435	-0.182	-0.414	Y	0.395	0.379	0.016	0.377	0.041	N
Family composition													
Mother and father	8,600	900	58.383	50.783	1.178	0.021	Y	57.503	57.496	0.006	-7.444	#	N
Mother and male guardian	1,700	250	13.081	14.318	-0.192	-0.014	N	13.225	13.063	0.162	-2.242	0.012	N
Father and female guardian	420	90	2.893	4.62	-0.268	-0.085	N	3.093	3.132	-0.039	-2.034	-0.013	N
Two guardians	220	50	1.665	2.734	-0.166	-0.091	N	1.789	1.724	0.064	-0.167	0.036	N
Mother only	2,500	310	18.389	18.838	-0.07	-0.004	N	18.441	18.663	-0.222	-5.232	-0.012	N
Father only	400	70	3.02	4.878	-0.288	-0.087	N	3.236	3.205	0.031	-0.859	0.01	N
Female guardian only	180	30	1.319	1.874	-0.086	-0.061	N	1.383	1.435	-0.052	-2.106	-0.037	N
Male guardian only	40	‡	0.205	0.718	-0.079	-0.279	N	0.265	0.222	0.043	1.072	0.162	N
Lives with student less than half the year	140	30	1.044	1.237	-0.03	-0.028	N	1.066	1.06	0.006	0.137	0.006	N

See notes at end of table.

**Table K-1. Nonresponse bias before and after weight adjustments for the sample using the cross-sectional weight, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted nonrespondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Parent's highest level of education													
Did not finish high school	850	140	6.282	8.248	-0.305	-0.046	N	6.51	6.478	0.032	-1.424	0.005	N
Graduated from high school or GED	2,800	430	20.765	27.179	-0.994	-0.046	Y	21.508	21.195	0.313	-2.42	0.015	N
Attended 2-year school, no degree	1,500	180	11.602	10.818	0.121	0.011	N	11.511	11.53	-0.02	-3.176	-0.002	N
Graduated from 2-year school	1,500	170	11.259	10.45	0.125	0.011	N	11.165	11.08	0.085	-2.187	0.008	N
Attended college, no 4-year degree	1,600	200	11.28	12.281	-0.155	-0.014	N	11.396	11.496	-0.1	-3.368	-0.009	N
Graduated from college	3,200	360	21.857	18.929	0.454	0.021	N	21.518	21.786	-0.269	-5.836	-0.012	N
Completed master's degree or equivalent	1,700	170	11.478	8.767	0.42	0.038	Y	11.164	10.915	0.249	-1.225	0.022	N
Completed PhD, MD, other advanced degree	1,000	90	5.478	3.328	0.333	0.065	Y	5.228	5.519	-0.291	-5.322	-0.056	Y
Socioeconomic status (SES)													
Lowest quarter	3,300	490	24.501	29.331	-0.749	-0.03	Y	25.06	24.941	0.119	0.442	0.005	N
Second quarter	3,300	460	25.142	30.067	-0.763	-0.029	Y	25.713	25.209	0.504	2.047	0.02	N
Third quarter	3,400	430	24.798	24.743	0.009	#	N	24.792	24.921	-0.129	-0.539	-0.005	N
Highest quarter	4,100	350	25.559	15.859	1.503	0.062	Y	24.435	24.929	-0.494	-2.146	-0.02	N
Student sex													
Male	6,800	1,200	48.124	57.216	-1.409	-0.028	Y	49.534	49.876	-0.342	-1.069	-0.007	N
Female	7,300	910	51.876	42.784	1.409	0.028	Y	50.466	50.124	0.342	1.069	0.007	N
Free or reduced-price lunch													
0	2,600	370	8.292	7.309	0.152	0.019	N	8.14	8.063	0.077	0.5	0.009	N
1–10	3,200	420	25.246	24.883	0.056	0.002	N	25.19	25.049	0.141	0.446	0.006	N
11–30	4,200	620	35.503	33.907	0.247	0.007	N	35.255	35.042	0.213	0.543	0.006	N
> 30	4,200	680	30.958	33.902	-0.456	-0.015	N	31.415	31.846	-0.431	-1.084	-0.014	N

See notes at end of table.

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**Table K-1. Nonresponse bias before and after weight adjustments for the sample using the cross-sectional weight, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted nonrespondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Number of full-time teachers													
1–40	3,700	480	18.245	14.343	0.605	0.034	Y	17.64	17.61	0.03	0.097	0.002	N
41–70	3,600	490	23.23	20.726	0.388	0.017	N	22.842	22.815	0.027	0.096	0.001	N
71–100	3,600	580	30.144	32.184	-0.316	-0.01	N	30.46	30.337	0.122	0.339	0.004	N
101+	3,300	540	28.381	32.748	-0.677	-0.023	N	29.058	29.238	-0.18	-0.439	-0.006	N
Number of grades within the school													
4	10,800	1,600	79.649	81.089	-0.223	-0.003	N	79.872	79.931	-0.059	-0.163	-0.001	N
> or < 4	3,400	510	20.351	18.911	0.223	0.011	N	20.128	20.069	0.059	0.163	0.003	N
Types of grades within the school													
K-12, PreK-10th, 1st-12th, PreK/1st-9th/12th and PreK-12 schools	930	140	4.968	4.415	0.086	0.018	N	4.882	4.83	0.052	0.155	0.011	N
Middle grades but no elementary	1,500	220	7.684	6.149	0.238	0.032	N	7.446	7.452	-0.006	-0.044	-0.001	N
Only high school	11,700	1,700	87.348	89.435	-0.324	-0.004	N	87.671	87.718	-0.046	-0.136	-0.001	N
Hispanic or Latino 10th-grade enrollment percent													
≤ 3 percent	5,500	730	38.389	34.779	0.559	0.015	N	37.829	37.611	0.218	0.588	0.006	N
> 3 percent	8,600	1,400	61.611	65.221	-0.559	-0.009	N	62.171	62.389	-0.218	-0.588	-0.004	N
IEP <sup>4</sup> percentage													
≤ 5 percent	5,600	760	26.427	25.278	0.178	0.007	N	26.249	26.311	-0.062	-0.181	-0.002	N
6–10 percent	3,600	580	32.887	35.476	-0.401	-0.012	N	33.289	33.137	0.152	0.383	0.005	N
11–15 percent	3,100	450	26.498	24.056	0.378	0.014	N	26.12	26.216	-0.096	-0.312	-0.004	N
> 15 percent	1,900	300	14.188	15.19	-0.155	-0.011	N	14.343	14.336	0.007	0.019	0.001	N
LEP <sup>5</sup> percentage													
0 percent	6,200	780	34.595	29.06	0.858	0.025	Y	33.737	33.575	0.162	0.436	0.005	N
1 percent	2,800	380	23.62	20.087	0.547	0.024	N	23.072	23.128	-0.055	-0.182	-0.002	N
2–5 percent	2,400	370	18.842	20.11	-0.197	-0.01	N	19.039	18.874	0.165	0.541	0.009	N
> 5 percent	2,800	570	22.943	30.742	-1.209	-0.05	Y	24.151	24.423	-0.272	-0.655	-0.011	N

See notes at end of table.

**Table K-1. Nonresponse bias before and after weight adjustments for the sample using the cross-sectional weight, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted nonrespondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
All other races <sup>6</sup> 10th-grade enrollment percent													
≤ 80 percent	7,000	1,200	50.48	57.768	-1.13	-0.022	Y	51.61	52.052	-0.442	-1.074	-0.009	N
> 80 percent	7,200	910	49.52	42.232	1.13	0.023	Y	48.39	47.948	0.442	1.074	0.009	N
Number of part-time teachers													
0–1	4,100	650	30.722	33.313	-0.402	-0.013	N	31.124	31.26	-0.136	-0.369	-0.004	N
2–3	4,100	570	29.294	25.625	0.569	0.02	N	28.726	28.746	-0.02	-0.052	-0.001	N
4–6	3,400	490	21.325	20.863	0.072	0.003	N	21.254	21.165	0.089	0.293	0.004	N
7+	2,600	380	18.658	20.198	-0.239	-0.013	N	18.897	18.829	0.068	0.21	0.004	N
Full-time teachers certified													
0–90 percent	3,600	590	15.527	17.948	-0.375	-0.024	N	15.902	16.044	-0.141	-0.485	-0.009	N
91–99 percent	2,500	380	20.666	20.097	0.088	0.004	N	20.578	20.576	0.002	0.007	#	N
100 percent	8,000	1,100	63.807	61.955	0.287	0.005	N	63.52	63.381	0.139	0.357	0.002	N
Student race/ethnicity <sup>6</sup>													
Asian	1,400	200	4.261	3.39	0.135	0.033	N	4.126	4.258	-0.132	-1.03	-0.032	N
Black or African American	1,900	260	14.116	11.066	0.473	0.035	Y	13.643	14.325	-0.681	-3.709	-0.05	Y
Hispanic or Latino	2,100	320	15.758	14.207	0.24	0.015	N	15.518	16.4	-0.882	-2.96	-0.057	Y
All other races	8,800	1,300	65.864	71.338	-0.848	-0.013	Y	66.713	65.017	1.695	4.812	0.025	Y
Number of days in school year													
Less than 180 days	3,700	500	24.787	20.614	0.647	0.027	Y	24.14	24.247	-0.107	-0.364	-0.004	N
180 days	7,900	1,100	56.831	56.482	0.054	0.001	N	56.777	56.72	0.057	0.143	0.001	N
More than 180 days	2,600	440	18.382	22.905	-0.701	-0.037	Y	19.083	19.033	0.05	0.155	0.003	N

# Rounds to zero.

‡ Counts suppressed for reasons of confidentiality.

<sup>1</sup> Design weight is used before weight adjustments. This is the distribution to each response category.

<sup>2</sup> “Y” denotes statistical significance at  $p < .05$ . “N” denotes no statistical significance.

<sup>3</sup> Weight after nonresponse and calibration adjustment.

<sup>4</sup> IEP = Individualized Education Program.

<sup>5</sup> LEP = limited English proficient.

<sup>6</sup> “All other races” includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), “Second Follow-up, 2006.”

**Table K-2. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight, by selected categorical variables: 2006**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
<b>Father's occupation</b>													
No job for pay	140	‡	0.669	0.752	-0.008	-0.012	N	0.677	0.743	-0.066	-2.056	-0.098	N
Clerical	320	30	2.537	2.254	0.028	0.011	N	2.509	2.443	0.066	0.685	0.026	N
Craftsperson	1,700	160	13.979	14.246	-0.026	-0.002	N	14.005	13.813	0.192	0.798	0.014	N
Farmer, farm manager	260	30	2.37	2.673	-0.03	-0.012	N	2.4	2.186	0.214	1.257	0.089	N
Homemaker	310	40	2.331	3.687	-0.133	-0.054	N	2.464	2.645	-0.182	-1.614	-0.074	N
Laborer	1,400	170	10.506	12.325	-0.178	-0.017	N	10.684	10.795	-0.11	-0.692	-0.01	N
Manager, administrator	2,000	200	14.613	14.67	-0.006	#	N	14.619	14.7	-0.081	-0.388	-0.006	N
Military	170	‡	1.304	1.029	0.027	0.021	N	1.277	1.314	-0.037	-0.738	-0.029	N
Operative	1,500	160	12.059	12.906	-0.083	-0.007	N	12.142	12.11	0.032	0.151	0.003	N
Professional A	1,500	110	10.19	7.9	0.224	0.023	N	9.966	10.068	-0.102	-0.697	-0.01	N
Professional B	830	60	4.789	3.503	0.126	0.027	N	4.663	4.812	-0.149	-1.853	-0.032	N
Proprietor, owner	800	90	5.647	5.815	-0.016	-0.003	N	5.664	5.76	-0.097	-0.942	-0.017	N
Protective service	460	40	3.597	3.16	0.043	0.012	N	3.554	3.426	0.128	0.97	0.036	N
Sales	700	70	5.423	4.797	0.061	0.011	N	5.362	5.217	0.145	0.709	0.027	N
School teacher	210	10	1.526	0.411	0.109	0.077	Y	1.417	1.343	0.074	0.851	0.052	N
Service	530	70	3.688	5.726	-0.2	-0.051	N	3.888	3.923	-0.035	-0.348	-0.009	N
Technical	630	60	4.77	4.146	0.061	0.013	N	4.709	4.702	0.007	0.058	0.001	N
<b>Mother's occupation</b>													
No job for pay	510	50	3.204	3.233	-0.003	-0.001	N	3.207	3.071	0.136	0.874	0.042	N
Clerical	2,200	210	16.935	18.046	-0.109	-0.006	N	17.044	16.704	0.34	1.332	0.02	N
Craftsperson	300	30	2.302	2.707	-0.04	-0.017	N	2.342	2.345	-0.004	-0.047	-0.002	N
Farmer, farm manager	70	‡	0.573	0.569	#	0.001	N	0.573	0.578	-0.005	-0.112	-0.009	N
Homemaker	660	120	5.391	8.5	-0.304	-0.053	Y	5.695	5.923	-0.228	-1.363	-0.04	N
Laborer	570	60	4.537	5.135	-0.059	-0.013	N	4.596	4.655	-0.059	-0.466	-0.013	N
Manager, administrator	1,400	150	10.468	10.434	0.003	#	N	10.465	10.598	-0.132	-0.908	-0.013	N
Military	20	‡	0.159	#	#	#	Y	0.144	0.173	-0.029	-2.827	-0.201	N
Operative	550	60	4.244	4.639	-0.039	-0.009	N	4.283	4.362	-0.079	-0.708	-0.018	N
Professional A	2,000	150	13.998	11.116	0.282	0.021	N	13.716	13.776	-0.06	-0.329	-0.004	N
Professional B	520	50	3.484	2.442	0.102	0.03	N	3.382	3.589	-0.207	-3.28	-0.061	Y
Proprietor, owner	310	40	2.19	3.119	-0.091	-0.04	N	2.281	2.315	-0.034	-0.437	-0.015	N
Protective service	100	‡	0.683	0.755	-0.007	-0.01	N	0.69	0.701	-0.011	-0.338	-0.016	N

See notes at end of table.

**Table K-2. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Mother's occupation—Continued													
Sales	580	60	4.4	4.823	-0.041	-0.009	N	4.441	4.289	0.152	0.947	0.034	N
School teacher	930	50	6.805	3.821	0.292	0.045	Y	6.513	6.242	0.27	2.404	0.042	N
Service	2,000	220	15.479	17.772	-0.225	-0.014	N	15.704	15.885	-0.181	-0.871	-0.012	N
Technical	670	50	5.147	2.888	0.221	0.045	Y	4.926	4.794	0.132	1.146	0.027	N
English is the student's native language													
No	2,300	290	13.777	17.424	-0.357	-0.025	Y	14.134	14.407	-0.274	-1.133	-0.019	N
Yes	11,100	1,000	86.223	82.576	0.357	0.004	Y	85.866	85.593	0.274	1.133	0.003	N
Sophomore cohort member													
No	140	‡	1.243	1.782	-0.053	-0.041	N	1.296	1.453	-0.157	-2.283	-0.121	Y
Yes	13,200	1,300	98.757	98.218	0.053	0.001	N	98.704	98.547	0.157	2.283	0.002	Y
Senior cohort member													
No	1,300	180	11.615	15.371	-0.368	-0.031	Y	11.983	13.688	-1.705	-6.967	-0.142	Y
Yes	12,000	1,100	88.385	84.629	0.368	0.004	Y	88.017	86.312	1.705	6.967	0.019	Y
Asian 10th-grade enrollment percent													
≤ 2 percent	5,200	470	38.673	34.661	0.393	0.01	Y	38.28	38.691	-0.411	-1.194	-0.011	N
> 2 percent	8,200	850	61.327	65.339	-0.393	-0.006	Y	61.72	61.309	0.411	1.194	0.007	N
Black or African American 10th-grade enrollment percent													
≤ 4 percent	4,600	440	34.815	32.774	0.2	0.006	N	34.616	34.113	0.502	1.388	0.015	N
> 4 percent	8,800	880	65.185	67.226	-0.2	-0.003	N	65.384	65.887	-0.502	-1.388	-0.008	N
Income													
None	60	‡	0.435	0.544	-0.011	-0.024	N	0.445	0.465	-0.019	-0.706	-0.043	N
\$1,000 or less	140	‡	1.052	0.987	0.006	0.006	N	1.046	1.081	-0.035	-1.047	-0.034	N
\$1,001–\$5,000	240	30	1.777	2.191	-0.041	-0.022	N	1.817	1.847	-0.029	-0.382	-0.016	N
\$5,001–\$10,000	280	30	2.236	2.088	0.015	0.007	N	2.222	2.24	-0.018	-0.224	-0.008	N
\$10,001–\$15,000	550	60	4.252	4.944	-0.068	-0.016	N	4.32	4.303	0.017	0.129	0.004	N
\$15,001–\$20,000	620	60	4.742	5.002	-0.025	-0.005	N	4.768	4.858	-0.09	-0.733	-0.019	N
\$20,001–\$25,000	810	90	6.362	8.395	-0.199	-0.03	N	6.561	6.495	0.066	0.431	0.01	N
\$25,001–\$35,000	1,500	170	11.997	12.658	-0.065	-0.005	N	12.061	12.304	-0.242	-1.39	-0.02	N
\$35,001–\$50,000	2,500	270	19.361	22.17	-0.275	-0.014	N	19.636	19.39	0.246	1.048	0.013	N

See notes at end of table.

**Table K-2. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Income—Continued													
\$50,001–\$75,000	2,800	260	21.591	19.57	0.198	0.009	N	21.393	20.928	0.465	1.851	0.022	N
\$75,001–\$100,000	1,800	160	13.207	11.858	0.132	0.01	N	13.075	13.137	-0.063	-0.329	-0.005	N
\$100,001–\$200,000	1,600	130	10.191	8.182	0.197	0.02	N	9.994	10.21	-0.216	-1.598	-0.022	N
\$200,001 or more	500	40	2.797	1.412	0.136	0.051	Y	2.661	2.745	-0.083	-1.497	-0.031	N
Census region													
Northeast	2,500	250	18.607	16.776	0.179	0.01	N	18.428	18.58	-0.152	-0.537	-0.008	N
Midwest	3,400	280	24.641	21.184	0.339	0.014	N	24.302	24.227	0.075	0.311	0.003	N
South	4,800	490	34.844	34.305	0.053	0.002	N	34.791	34.501	0.29	0.921	0.008	N
West	2,700	310	21.908	27.735	-0.571	-0.025	Y	22.479	22.692	-0.213	-0.507	-0.009	N
School sector													
Public	10,400	1,100	92.02	93.695	-0.164	-0.002	N	92.184	92.341	-0.157	-0.731	-0.002	N
Catholic	1,800	120	4.57	2.908	0.163	0.037	Y	4.407	4.228	0.179	3.818	0.041	Y
Other private	1,200	110	3.41	3.397	0.001	#	N	3.409	3.431	-0.022	-0.104	-0.007	N
School urbanicity													
Urban	4,500	450	29.408	32.747	-0.327	-0.011	N	29.735	30.594	-0.859	-2.334	-0.029	Y
Suburban	6,400	630	50.429	47.732	0.264	0.005	N	50.165	50.058	0.107	0.291	0.002	N
Rural	2,400	240	20.163	19.521	0.063	0.003	N	20.1	19.348	0.753	2.21	0.037	N
Minutes per class period													
≤ 45	3,200	300	19.005	16.805	0.215	0.011	N	18.789	19.096	-0.307	-1.13	-0.016	N
46–50	2,900	270	22.183	21.691	0.048	0.002	N	22.135	21.824	0.311	0.88	0.014	N
51–80	3,500	380	28.357	30.554	-0.215	-0.008	N	28.573	28.788	-0.215	-0.628	-0.008	N
81+	3,700	380	30.455	30.949	-0.048	-0.002	N	30.503	30.292	0.211	0.652	0.007	N
Class periods per day													
1–4	3,800	380	31.337	31.124	0.021	0.001	N	31.316	31.016	0.3	0.956	0.01	N
5–6	3,200	360	26.278	29.764	-0.341	-0.013	N	26.619	26.966	-0.347	-1.045	-0.013	N
7	3,600	350	24.809	24.413	0.039	0.002	N	24.77	24.838	-0.068	-0.227	-0.003	N
8–9	2,700	230	17.576	14.7	0.282	0.016	N	17.295	17.18	0.115	0.336	0.007	N
Is the school coeducational?													
Yes	12,700	1,300	97.849	98.514	-0.065	-0.001	N	97.914	97.976	-0.062	-1.757	-0.001	N
No, all-female school	340	‡	1.052	0.478	0.056	0.056	Y	0.996	0.978	0.018	0.693	0.018	N
No, all-male school	380	40	1.099	1.008	0.009	0.008	N	1.09	1.046	0.044	2.018	0.041	N

See notes at end of table.



**Table K-2. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
10th-grade enrollment													
0–99	2,600	260	12.676	12.199	0.047	0.004	N	12.629	12.175	0.454	1.322	0.036	N
100–249	3,500	280	22.9	17.594	0.52	0.023	Y	22.38	21.725	0.655	2.634	0.029	Y
250–499	4,300	410	35.834	34.88	0.093	0.003	N	35.741	36.085	-0.345	-1.006	-0.01	N
500+	3,000	370	28.591	35.327	-0.66	-0.023	Y	29.25	30.015	-0.765	-2.039	-0.026	N
Total enrollment													
≤ 600	3,200	300	18.025	15.687	0.229	0.013	N	17.796	17.084	0.712	2.136	0.04	N
601–1,200	4,100	370	27.517	25.843	0.164	0.006	N	27.353	27.152	0.201	0.692	0.007	N
1,201–1,800	3,000	310	26.011	25.55	0.045	0.002	N	25.966	26.269	-0.303	-1.127	-0.012	N
> 1,800	3,100	350	28.447	32.92	-0.438	-0.015	N	28.885	29.495	-0.61	-1.648	-0.021	N
Enrollment status													
In school/in grade (grade 12)	12,000	1,100	88.365	84.629	0.366	0.004	N	87.999	86.291	1.708	6.98	0.019	Y
In school/out of grade	730	80	6.296	7.88	-0.155	-0.024	N	6.451	7.307	-0.856	-3.821	-0.133	Y
Out of school	620	90	5.339	7.491	-0.211	-0.038	N	5.55	6.402	-0.852	-6.283	-0.153	Y
Family composition													
Mother and father	8,200	700	59.273	51.323	0.779	0.013	Y	58.494	57.555	0.94	3.562	0.016	Y
Mother and male guardian	1,500	180	12.79	13.6	-0.079	-0.006	N	12.869	13.066	-0.196	-0.986	-0.015	N
Father and female guardian	380	60	2.792	4.055	-0.124	-0.042	N	2.916	3.158	-0.242	-2.803	-0.083	Y
Two guardians	200	30	1.557	2.345	-0.077	-0.047	N	1.634	1.687	-0.053	-0.618	-0.033	N
Mother only	2,300	240	18.089	19.117	-0.101	-0.006	N	18.19	18.638	-0.448	-2.216	-0.025	N
Father only	380	60	2.981	5.725	-0.269	-0.083	Y	3.25	3.185	0.064	0.459	0.02	N
Female guardian only	160	20	1.297	1.801	-0.049	-0.037	N	1.347	1.435	-0.089	-1.634	-0.066	N
Male guardian only	30	‡	0.196	0.795	-0.059	-0.23	N	0.255	0.213	0.042	1.396	0.165	N
Lives with student less than half the year	130	20	1.024	1.239	-0.021	-0.02	N	1.046	1.063	-0.017	-0.383	-0.017	N
Parent's highest level of education													
Did not finish high school	790	100	6.153	7.289	-0.111	-0.018	N	6.264	6.459	-0.195	-1.367	-0.031	N
Graduated from high school or GED	2,600	330	20.582	27.195	-0.648	-0.031	Y	21.229	21.2	0.029	0.104	0.001	N
Attended 2-year school, no degree	1,400	150	11.487	10.968	0.051	0.004	N	11.436	11.551	-0.115	-0.653	-0.01	N
Graduated from 2-year school	1,400	130	11.247	10.97	0.027	0.002	N	11.219	11.072	0.147	0.735	0.013	N

See notes at end of table.

**Table K-2. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Parent's highest level of education—Continued													
Attended college, no 4-year degree	1,500	150	11.098	12.641	-0.151	-0.013	N	11.249	11.467	-0.218	-1.216	-0.019	N
Graduated from college	3,100	270	22.142	18.719	0.335	0.015	N	21.807	21.809	-0.002	-0.01	#	N
Completed master's degree or equivalent	1,700	130	11.799	8.794	0.294	0.026	Y	11.504	10.931	0.573	2.727	0.05	Y
Completed Ph.D., M.D., other advanced degree	970	70	5.493	3.423	0.203	0.038	Y	5.29	5.51	-0.22	-2.343	-0.042	N
Socioeconomic status													
Lowest quarter	3,100	370	24.146	28.855	-0.461	-0.019	Y	24.607	24.94	-0.333	-1.349	-0.014	N
Second quarter	3,100	350	24.982	30.325	-0.523	-0.021	Y	25.505	25.156	0.349	1.346	0.014	N
Third quarter	3,200	340	24.731	25.351	-0.061	-0.002	N	24.792	24.965	-0.173	-0.713	-0.007	N
Highest quarter	4,000	270	26.141	15.470	1.045	0.042	Y	25.096	24.939	0.157	0.676	0.006	N
Student sex													
Male	6,500	790	48.212	60.577	-1.211	-0.025	Y	49.423	49.832	-0.408	-1.433	-0.008	N
Female	6,900	530	51.788	39.423	1.211	0.024	Y	50.577	50.168	0.408	1.433	0.008	N
Free or reduced-price lunch													
0	2,500	200	8.400	6.078	0.227	0.028	N	8.173	8.044	0.128	0.851	0.016	N
1–10	3,100	250	25.597	20.317	0.517	0.021	Y	25.08	25.103	-0.023	-0.081	-0.001	N
11–30	3,900	420	35.383	37.180	-0.176	-0.005	N	35.559	35.122	0.437	1.17	0.012	N
> 30	3,900	440	30.619	36.426	-0.569	-0.018	Y	31.188	31.73	-0.543	-1.429	-0.017	N
Number of full-time teachers													
1–40	3,500	310	18.542	15.077	0.339	0.019	Y	18.203	17.64	0.563	1.847	0.031	N
41–70	3,400	340	23.359	22.384	0.096	0.004	N	23.264	22.873	0.39	1.533	0.017	N
71–100	3,400	350	30.014	31.125	-0.109	-0.004	N	30.123	30.297	-0.174	-0.496	-0.006	N
101+	3,000	320	28.084	31.414	-0.326	-0.011	N	28.41	29.189	-0.779	-2.240	-0.027	N
Number of grades within the school													
4	10,200	1,000	79.661	81.772	-0.207	-0.003	N	79.867	79.951	-0.084	-0.239	-0.001	N
> or < 4	3,200	310	20.339	18.228	0.207	0.010	N	20.133	20.049	0.084	0.239	0.004	N

See notes at end of table.

**Table K-2. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjust-ments <sup>1</sup>	Overall mean, after adjust-ments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Types of grades within the school													
K-12, PreK-10th, 1st-12th, PreK/1st-9th/12th and PreK-12 schools	900	80	5.041	5.000	0.004	0.001	N	5.037	4.834	0.203	0.576	0.04	N
Middle grades but no elementary	1,400	140	7.678	6.539	0.112	0.015	N	7.567	7.452	0.114	0.949	0.015	N
Only high school	11,100	1,100	87.28	88.461	-0.116	-0.001	N	87.396	87.714	-0.318	-0.908	-0.004	N
Hispanic or Latino 10th-grade enrollment percent													
≤ 3 percent	5,200	460	38.485	32.76	0.561	0.015	Y	37.924	37.702	0.222	0.683	0.006	N
> 3 percent	8,100	860	61.515	67.24	-0.561	-0.009	Y	62.076	62.298	-0.222	-0.683	-0.004	N
IEP <sup>4</sup> percentage													
≤ 5 percent	5,300	460	26.626	24.642	0.194	0.007	N	26.432	26.360	0.071	0.226	0.003	N
6–10 percent	3,400	370	32.936	34.579	-0.161	-0.005	N	33.097	33.135	-0.038	-0.107	-0.001	N
11–15 percent	2,900	300	26.3	25.757	0.053	0.002	N	26.247	26.191	0.056	0.182	0.002	N
> 15 percent	1,800	190	14.138	15.023	-0.087	-0.006	N	14.224	14.314	-0.09	-0.234	-0.006	N
LEP <sup>5</sup> percentage													
0 percent	5,900	500	35.034	29.444	0.547	0.016	Y	34.486	33.716	0.770	2.191	0.022	N
1 percent	2,600	260	23.517	20.802	0.266	0.011	N	23.251	23.112	0.139	0.482	0.006	N
2–5 percent	2,200	220	18.724	16.132	0.254	0.014	N	18.470	18.883	-0.413	-1.703	-0.022	N
> 5 percent	2,600	350	22.725	33.622	-1.067	-0.045	Y	23.793	24.289	-0.496	-1.319	-0.021	N
All other races <sup>6</sup> 10th-grade enrollment percent													
≤ 80 percent	6,500	740	50.038	59.856	-0.962	-0.019	Y	51.000	51.964	-0.964	-2.622	-0.019	Y
> 80 percent	6,800	580	49.962	40.144	0.962	0.020	Y	49.000	48.036	0.964	2.622	0.020	Y
Number of part-time teachers													
0–1	3,800	420	30.447	34.969	-0.443	-0.014	N	30.890	31.188	-0.298	-0.872	-0.010	N
2–3	3,900	390	29.373	27.91	0.143	0.005	N	29.229	28.777	0.452	1.176	0.015	N
4–6	3,200	300	21.217	19.939	0.125	0.006	N	21.092	21.140	-0.048	-0.166	-0.002	N
7+	2,400	220	18.964	17.182	0.174	0.009	N	18.789	18.895	-0.106	-0.383	-0.006	N
Full-time teachers certified													
0–90 percent	3,400	350	15.647	19.385	-0.366	-0.023	N	16.013	16.045	-0.032	-0.130	-0.002	N
91–99 percent	2,400	230	20.428	18.281	0.210	0.010	N	20.218	20.517	-0.299	-0.885	-0.015	N
100 percent	7,600	740	63.925	62.334	0.156	0.002	N	63.769	63.438	0.331	0.893	0.005	N

See notes at end of table.

**Table K-2. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
<b>Student race/ethnicity<sup>5</sup></b>													
Asian	1,300	150	4.317	4.592	-0.027	-0.006	N	4.344	4.251	0.093	0.713	0.021	N
Black or African American	1,700	200	13.97	15.869	-0.186	-0.013	N	14.156	14.329	-0.173	-0.913	-0.012	N
Hispanic or Latino	1,900	250	15.604	19.969	-0.427	-0.027	Y	16.031	16.338	-0.307	-1.181	-0.019	N
All other races	8,400	720	66.109	59.57	0.64	0.010	Y	65.469	65.081	0.388	1.208	0.006	N
<b>Number of days in school year</b>													
Less than 180 days	3,500	310	24.849	20.691	0.407	0.017	Y	24.442	24.197	0.245	0.906	0.010	N
180 days	7,400	730	56.783	57.543	-0.074	-0.001	N	56.857	56.789	0.068	0.183	0.001	N
More than 180 days	2,400	270	18.368	21.766	-0.333	-0.018	N	18.70	19.014	-0.313	-1.153	-0.017	N

# Rounds to zero.

‡ Counts suppressed for reasons of confidentiality.

<sup>1</sup> Design weight is used before weight adjustments. This is the distribution to each response category.

<sup>2</sup> "Y" denotes statistical significance at  $p < .05$ . "N" denotes no statistical significance.

<sup>3</sup> Weight after nonresponse and calibration adjustment.

<sup>4</sup> IEP = Individualized Education Program.

<sup>5</sup> LEP = limited English proficient.

<sup>6</sup> "All other races" includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Table K-3. Nonresponse bias before and after weight adjustment for the sample using the cross-sectional weight for the racial group White/Other, by selected categorical variables: 2006**

Description	Before nonresponse adjustment							After nonresponse adjustments					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
<b>Father's occupation</b>													
No job for pay	30	‡	0.193	0.288	-0.016	-0.076	N	0.203	0.209	-0.006	-0.843	-0.029	N
Clerical	180	10	2.191	0.733	0.242	0.124	Y	2.036	2.089	-0.053	-2.496	-0.026	N
Craftsperson	1,100	140	14.054	17.582	-0.585	-0.040	N	14.429	13.887	0.543	-1.337	0.038	N
Farmer, farm manager	170	‡	2.285	2.334	-0.008	-0.004	N	2.290	1.996	0.294	0.694	0.128	N
Homemaker	140	30	1.622	3.448	-0.303	-0.157	N	1.816	1.773	0.043	-0.700	0.024	N
Laborer	700	110	8.155	11.626	-0.575	-0.066	N	8.525	8.282	0.243	-1.752	0.028	N
Manager, administrator	1,500	150	16.399	15.653	0.124	0.008	N	16.32	16.636	-0.316	-5.288	-0.019	N
Military	110	10	1.328	1.096	0.038	0.030	N	1.304	1.319	-0.016	-1.609	-0.012	N
Operative	870	100	10.187	10.129	0.010	0.001	N	10.181	10.122	0.059	-3.135	0.006	N
Professional A	1,100	90	11.643	9.167	0.410	0.037	N	11.38	11.624	-0.245	-4.941	-0.021	N
Professional B	650	50	5.812	3.928	0.312	0.057	N	5.612	5.984	-0.372	-6.403	-0.066	Y
Proprietor, owner	650	80	6.938	6.766	0.029	0.004	N	6.920	7.191	-0.271	-5.107	-0.039	N
Protective service	280	30	3.226	2.647	0.096	0.031	N	3.164	3.182	-0.018	-1.989	-0.006	N
Sales	530	60	6.041	5.518	0.087	0.015	N	5.985	5.965	0.020	-1.506	0.003	N
School teacher	170	‡	1.874	0.501	0.228	0.138	Y	1.728	1.729	-0.001	-1.001	-0.001	N
Service	220	40	2.472	4.141	-0.277	-0.101	N	2.649	2.585	0.065	-1.063	0.024	N
Technical	450	50	5.579	4.444	0.188	0.035	N	5.458	5.427	0.031	-1.973	0.006	N
<b>Mother's occupation</b>													
No job for pay	140	20	1.61	1.543	0.011	0.007	N	1.603	1.335	0.269	0.875	0.168	N
Clerical	1,600	150	18.251	19.294	-0.173	-0.009	N	18.362	18.19	0.172	-3.334	0.009	N
Craftsperson	160	20	1.891	2.302	-0.068	-0.035	N	1.935	1.968	-0.033	-2.075	-0.017	N
Farmer, farm manager	20	‡	0.298	0.146	0.025	0.093	N	0.282	0.258	0.024	0.12	0.085	N
Homemaker	370	100	4.525	7.909	-0.561	-0.110	N	4.885	4.727	0.159	-1.001	0.033	N
Laborer	240	40	3.022	4.341	-0.219	-0.067	N	3.162	2.943	0.219	0.059	0.069	N
Manager, administrator	1,000	110	11.907	11.205	0.116	0.010	N	11.832	12.039	-0.207	-4.924	-0.018	N
Military	20	‡	0.196	#	#	#	Y	0.175	0.207	-0.032	-3.437	-0.184	Y
Operative	270	40	3.329	3.651	-0.053	-0.016	N	3.363	3.357	0.007	-2.371	0.002	N
Professional A	1,500	120	15.963	12.969	0.496	0.032	N	15.645	16.122	-0.478	-6.26	-0.031	N
Professional B	370	40	3.738	2.991	0.124	0.034	N	3.658	3.882	-0.224	-4.651	-0.061	N
Proprietor, owner	230	30	2.65	3.213	-0.093	-0.034	N	2.71	2.813	-0.103	-2.744	-0.038	N

See notes at end of table.

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Appendix K. Nonresponse Bias Tables

**Table K-3. Nonresponse bias before and after weight adjustment for the sample using the cross-sectional weight for the Racial group White/Other, by selected categorical variables: 2006—Continued**

Description	Before nonresponse adjustment							After nonresponse adjustments					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Mother's occupation—Continued													
Protective service	60	‡	0.588	0.729	-0.023	-0.038	N	0.603	0.609	-0.006	-1.039	-0.01	N
Sales	430	60	4.896	6.003	-0.183	-0.036	N	5.014	4.843	0.17	-1.033	0.034	N
School teacher	780	50	8.56	5.049	0.582	0.073	Y	8.187	8.187	#	-3.331	#	N
Service	1,200	150	13.732	15.906	-0.36	-0.026	N	13.964	14.065	-0.101	-0.418	-0.007	N
Technical	410	30	4.841	2.75	0.347	0.077	Y	4.619	4.454	0.165	1.179	0.036	N
English is the student's native language													
No	320	60	3.242	5.19	-0.323	-0.091	Y	3.449	3.479	-0.03	-2.003	-0.009	N
Yes	8,500	890	96.758	94.81	0.323	0.003	Y	96.551	96.521	0.03	-12.12	#	N
Sophomore cohort member													
No	60	‡	0.811	1.022	-0.035	-0.041	N	0.834	1.011	-0.177	-2.582	-0.213	Y
Yes	8,800	940	99.189	98.978	0.035	#	N	99.166	98.989	0.177	2.582	0.002	Y
Senior cohort member													
No	820	230	10.606	24.496	-2.302	-0.178	Y	12.084	11.107	0.977	3.158	0.081	Y
Yes	8,000	720	89.394	75.504	2.302	0.026	Y	87.916	88.893	-0.977	-3.158	-0.011	Y
Asian 10th-grade enrollment percent													
≤ 2 percent	3,600	490	39.063	37.921	0.189	0.005	N	38.874	39.167	-0.293	-0.568	-0.008	N
> 2 percent	5,200	820	60.937	62.079	-0.189	-0.003	N	61.126	60.833	0.293	0.568	0.005	N
Black or African American 10th-grade enrollment percent													
≤ 4 percent	3,500	480	41.923	35.585	1.05	0.026	Y	40.872	41.235	-0.362	-0.672	-0.009	N
> 4 percent	5,300	830	58.077	64.415	-1.05	-0.018	Y	59.128	58.765	0.362	0.672	0.006	N
Income													
None	20	‡	0.167	0.259	-0.015	-0.084	N	0.176	0.165	0.012	-0.006	0.066	N
\$1,000 or less	30	‡	0.392	0.42	-0.005	-0.012	N	0.395	0.417	-0.021	-1.633	-0.054	N
\$1,001–\$5,000	70	‡	1.001	1.552	-0.091	-0.084	N	1.059	0.893	0.166	1.032	0.157	N
\$5,001–\$10,000	110	‡	1.328	1.435	-0.018	-0.013	N	1.339	1.359	-0.02	-1.499	-0.015	N
\$10,001–\$15,000	240	30	3.022	4.043	-0.169	-0.053	N	3.13	2.842	0.289	0.469	0.092	N
\$15,001–\$20,000	280	40	3.206	3.872	-0.11	-0.033	N	3.277	3.23	0.047	-1.705	0.014	N

See notes at end of table.

**Table K-3. Nonresponse bias before and after weight adjustment for the sample using the cross-sectional weight for the racial group White/Other, by selected categorical variables: 2006—Continued**

Description	Before nonresponse adjustment							After nonresponse adjustments					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Income—Continued													
\$20,001–\$25,000	410	50	5.067	5.957	-0.148	-0.028	N	5.161	5.098	0.064	-1.495	0.012	N
\$25,001–\$35,000	840	100	10.599	10.086	0.085	0.008	N	10.545	10.468	0.077	-3.091	0.007	N
\$35,001–\$50,000	1,600	190	19.485	21.775	-0.38	-0.019	N	19.728	19.46	0.269	-3.266	0.014	N
\$50,001–\$75,000	2,100	200	24.264	21.998	0.376	0.016	N	24.023	24.041	-0.018	-5.329	-0.001	N
\$75,001–\$100,000	1,400	150	15.603	15.079	0.087	0.006	N	15.548	15.751	-0.203	-4.736	-0.013	N
\$100,001–\$200,000	1,200	130	12.344	11.895	0.074	0.006	N	12.296	12.689	-0.392	-5.668	-0.032	N
\$200,001 or more	430	30	3.523	1.629	0.314	0.098	Y	3.321	3.589	-0.267	-3.327	-0.081	Y
Census region													
Northeast	1,700	180	20.261	16.339	0.65	0.033	Y	19.843	20.48	-0.637	-1.727	-0.032	N
Midwest	2,800	260	29.825	26.724	0.514	0.018	N	29.494	29.595	-0.1	-0.287	-0.003	N
South	3,100	350	31.436	32.438	-0.166	-0.005	N	31.543	31.492	0.05	0.132	0.002	N
West	1,200	160	18.479	24.498	-0.998	-0.051	N	19.12	18.433	0.687	1.185	0.036	N
School sector													
Public	6,400	1,000	90.49	92.787	-0.381	-0.004	Y	90.871	90.336	0.535	3.037	0.006	Y
Catholic	1,400	150	5.351	3.589	0.292	0.058	Y	5.059	5.143	-0.084	-1.029	-0.017	N
Other private	1,100	170	4.159	3.624	0.089	0.022	N	4.07	4.521	-0.451	-3.083	-0.111	Y
School urbanicity													
Urban	2,300	250	21.263	24.617	-0.556	-0.025	N	21.62	21.706	-0.087	-0.18	-0.004	N
Suburban	4,500	480	53.581	50.797	0.461	0.009	N	53.285	53.668	-0.383	-0.779	-0.007	N
Rural	2,100	230	25.156	24.586	0.094	0.004	N	25.095	24.626	0.47	1.012	0.019	N
Minutes per class period													
≤ 45	2,300	350	19.817	21.083	-0.21	-0.01	N	20.027	20.061	-0.034	-0.087	-0.002	N
46–50	2,200	310	24.813	23.722	0.181	0.007	N	24.633	24.726	-0.094	-0.156	-0.004	N
51–80	2,000	310	25.701	27.43	-0.287	-0.011	N	25.987	25.913	0.074	0.158	0.003	N
81+	2,400	340	29.669	27.766	0.315	0.011	N	29.354	29.3	0.054	0.114	0.002	N
Class periods per day													
1–4	2,500	340	30.572	27.764	0.465	0.015	N	30.106	30.122	-0.015	-0.032	-0.001	N
5–6	1,700	310	22.544	28.764	-1.031	-0.044	Y	23.575	22.797	0.778	1.629	0.033	N
7	2,700	390	27.378	25.968	0.234	0.009	N	27.144	27.602	-0.458	-1.041	-0.017	N
8–9	2,000	270	19.506	17.505	0.332	0.017	N	19.175	19.479	-0.305	-0.563	-0.016	N

See notes at end of table.

**Table K-3. Nonresponse bias before and after weight adjustment for the sample using the cross-sectional weight for the racial group White/Other, by selected categorical variables: 2006—Continued**

Description	Before nonresponse adjustment							After nonresponse adjustments					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
<b>Is the school coeducational?</b>													
Yes	8,300	1,200	97.649	98.068	-0.07	-0.001	N	97.718	97.686	0.032	0.679	#	N
No, all-female school	270	40	1.139	1.061	0.013	0.011	N	1.126	1.118	0.007	0.213	0.007	N
No, all-male school	290	40	1.213	0.87	0.057	0.049	N	1.156	1.196	-0.04	-1.411	-0.034	N
<b>10th-grade enrollment</b>													
0–99	2,200	320	15.909	11.892	0.666	0.044	Y	15.243	15.839	-0.596	-1.407	-0.039	N
100–249	2,700	300	25.695	18.008	1.274	0.052	Y	24.421	24.723	-0.302	-0.819	-0.012	N
250–499	2,600	380	36.728	37.198	-0.078	-0.002	N	36.805	37.167	-0.362	-0.707	-0.01	N
500+	1,300	310	21.669	32.902	-1.862	-0.079	Y	23.531	22.272	1.259	2.091	0.054	N
<b>Total enrollment</b>													
≤ 600	2,700	350	22.253	15.735	1.08	0.051	Y	21.172	21.782	-0.609	-1.316	-0.029	N
601–1,200	3,000	400	30.559	27.347	0.532	0.018	N	30.027	30.42	-0.394	-0.862	-0.013	N
1,201–1,800	1,800	260	25.985	25.312	0.112	0.004	N	25.874	26.252	-0.378	-0.828	-0.015	N
> 1,800	1,300	310	21.203	31.606	-1.724	-0.075	Y	22.927	21.546	1.381	2.314	0.06	N
<b>Enrollment status</b>													
In school/in grade (grade 12)	8,000	710	88.815	74.575	2.36	0.027	Y	87.299	88.259	-0.959	-3.073	-0.011	Y
In school/out of grade	480	150	6.318	17.106	-1.788	-0.221	Y	7.466	6.571	0.895	3.292	0.12	Y
Out of school	380	70	4.682	7.438	-0.457	-0.089	Y	4.975	4.919	0.056	0.381	0.011	N
Out of scope	20	‡	0.185	0.881	-0.115	-0.384	N	0.26	0.252	0.008	0.16	0.03	N
<b>Family composition</b>													
Mother and father	5,800	540	63.35	56.217	1.182	0.019	Y	62.59	62.658	-0.068	-8.456	-0.001	N
Mother and male guardian	1,000	130	13.05	13.309	-0.043	-0.003	N	13.077	12.945	0.133	-3.053	0.01	N
Father and female guardian	260	50	2.951	5.218	-0.376	-0.113	N	3.193	3.233	-0.041	-2.181	-0.013	N
Two guardians	110	‡	1.177	1.943	-0.127	-0.097	N	1.258	1.249	0.01	-1.096	0.008	N
Mother only	1,200	140	14.342	15.394	-0.174	-0.012	N	14.454	14.618	-0.164	-4.643	-0.011	N
Father only	270	40	3.395	5.342	-0.323	-0.087	N	3.602	3.522	0.08	-0.923	0.022	N
Female guardian only	60	‡	0.701	0.952	-0.042	-0.056	N	0.728	0.767	-0.039	-1.787	-0.053	N
Male guardian only	10	‡	0.155	0.61	-0.075	-0.328	N	0.203	0.151	0.052	1.197	0.257	N
Lives with student less than half the year	60	‡	0.879	1.014	-0.022	-0.025	N	0.893	0.856	0.037	0.716	0.042	N

See notes at end of table.



**Table K-3. Nonresponse bias before and after weight adjustment for the sample using the cross-sectional weight for the racial group White/Other, by selected categorical variables: 2006—Continued**

Description	Before nonresponse adjustment							After nonresponse adjustments					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
<b>Parent's highest level of education</b>													
Did not finish high school	170	40	2.304	3.806	-0.249	-0.098	N	2.464	2.16	0.304	1.009	0.123	N
Graduated from high school or GED	1,600	250	20.113	28.948	-1.464	-0.068	Y	21.053	20.383	0.67	-2.098	0.032	N
Attended 2-year school, no degree	940	110	11.375	11.856	-0.08	-0.007	N	11.427	11.341	0.086	-3.09	0.007	N
Graduated from 2-year school	960	100	11.705	11.348	0.059	0.005	N	11.667	11.578	0.089	-2.711	0.008	N
Attended college, no 4-year degree	990	120	11.253	12.644	-0.23	-0.02	N	11.401	11.438	-0.037	-3.374	-0.003	N
Graduated from college	2,200	200	23.975	18.269	0.946	0.041	Y	23.368	24.042	-0.674	-7.758	-0.029	N
Completed Master's degree or equivalent	1,300	110	13.117	9.982	0.52	0.041	N	12.783	12.769	0.014	-3.497	0.001	N
Completed Ph.D., M.D., other advanced degree	680	50	6.158	3.147	0.499	0.088	Y	5.838	6.288	-0.451	-6.273	-0.077	Y
<b>Socioeconomic status (SES)</b>													
Lowest quarter	1,300	200	16.268	21.77	-0.912	-0.053	Y	16.853	16.076	0.778	2.572	0.046	Y
Second quarter	2,000	270	24.621	31.481	-1.137	-0.044	Y	25.351	24.706	0.645	1.926	0.025	N
Third quarter	2,400	250	27.692	27.222	0.078	0.003	N	27.642	28.164	-0.523	-1.773	-0.019	N
Highest quarter	3,100	240	31.42	19.526	1.971	0.067	Y	30.154	31.053	-0.9	-2.898	-0.03	Y
<b>Student sex</b>													
Male	4,300	740	48.006	58.168	-1.684	-0.034	Y	49.691	49.781	-0.09	-0.215	-0.002	N
Female	4,600	570	51.994	41.832	1.684	0.033	Y	50.309	50.219	0.09	0.215	0.002	N
<b>Free or reduced-price lunch</b>													
0	2,000	290	10.352	8.517	0.304	0.03	N	10.048	10.183	-0.136	-0.619	-0.013	N
1–10	2,400	310	30.516	29.477	0.172	0.006	N	30.344	30.693	-0.35	-0.746	-0.012	N
11–30	2,800	390	38.274	34.531	0.62	0.016	N	37.654	37.974	-0.321	-0.586	-0.009	N
> 30	1,700	320	20.858	27.474	-1.096	-0.05	Y	21.955	21.149	0.806	1.566	0.037	N
<b>Number of full-time teachers</b>													
1–40	2,900	360	22.415	16.962	0.904	0.042	Y	21.511	21.774	-0.263	-0.587	-0.012	N
41–70	2,400	330	26	22.164	0.636	0.025	N	25.364	25.698	-0.333	-0.881	-0.013	N
71–100	2,100	330	29.069	30.868	-0.298	-0.01	N	29.367	29.218	0.149	0.298	0.005	N
101+	1,500	290	22.516	30.006	-1.241	-0.052	Y	23.757	23.31	0.447	0.82	0.019	N

See notes at end of table.

**Table K-3. Nonresponse bias before and after weight adjustment for the sample using the cross-sectional weight for the racial group White/Other, by selected categorical variables: 2006—Continued**

Description	Before nonresponse adjustment							After nonresponse adjustments					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Number of grades within the school													
4	6,300	940	76.152	79.527	-0.559	-0.007	N	76.711	76.094	0.617	1.294	0.008	N
> or < 4	2,500	370	23.848	20.473	0.559	0.024	N	23.289	23.906	-0.617	-1.294	-0.026	N
Types of grades within the school													
K-12, PreK-10th, 1st-12th, PreK/1st-9th/12th and PreK-12 schools	840	130	6.696	4.933	0.292	0.046	N	6.404	6.865	-0.461	-1.179	-0.072	N
Middle grades but no elementary	1,000	150	8.432	6.451	0.328	0.041	Y	8.103	8.19	-0.086	-0.483	-0.011	N
Only high school	7,000	1,000	84.872	88.616	-0.621	-0.007	Y	85.493	84.945	0.548	1.345	0.006	N
Hispanic or Latino 10th-grade enrollment percent													
≤ 3 percent	4,100	540	45.28	39.431	0.969	0.022	Y	44.311	44.904	-0.594	-1.07	-0.013	N
> 3 percent	4,700	780	54.72	60.569	-0.969	-0.017	Y	55.689	55.096	0.594	1.07	0.011	N
IEP <sup>4</sup> percentage													
≤ 5 percent	3,600	520	26.088	24.804	0.213	0.008	N	25.875	26.315	-0.44	-1.083	-0.017	N
6–10 percent	2,200	360	33.298	37.212	-0.649	-0.019	N	33.946	33.246	0.701	1.189	0.021	N
11–15 percent	1,900	260	26.519	23.363	0.523	0.02	N	25.996	26.129	-0.132	-0.315	-0.005	N
> 15 percent	1,100	170	14.095	14.621	-0.087	-0.006	N	14.182	14.311	-0.128	-0.248	-0.009	N
LEP <sup>5</sup> percentage													
0 percent	4,700	600	41.438	33.747	1.275	0.032	Y	40.163	40.727	-0.564	-1.027	-0.014	N
1 percent	1,800	240	26.162	21.319	0.803	0.032	Y	25.359	25.861	-0.502	-1.137	-0.02	N
2–5 percent	1,400	220	19.072	19.991	-0.152	-0.008	N	19.224	19.257	-0.033	-0.077	-0.002	N
> 5 percent	870	250	13.329	24.943	-1.925	-0.126	Y	15.254	14.154	1.099	1.894	0.072	N
All other races <sup>6</sup> 10th-grade enrollment percent													
≤ 80 percent	2,700	550	33.347	46.213	-2.132	-0.06	Y	35.479	34.514	0.965	1.654	0.027	N
> 80 percent	6,100	760	66.653	53.787	2.132	0.033	Y	64.521	65.486	-0.965	-1.654	-0.015	N
Number of part-time teachers													
0–1	2,200	370	25.976	30.572	-0.762	-0.028	N	26.737	26.338	0.399	0.745	0.015	N
2–3	2,600	350	30.403	25.503	0.812	0.027	N	29.591	29.996	-0.405	-0.781	-0.014	N
4–6	2,300	330	22.982	21.665	0.218	0.01	N	22.764	22.782	-0.018	-0.04	-0.001	N
7+	1,700	260	20.639	22.261	-0.269	-0.013	N	20.908	20.884	0.024	0.051	0.001	N

See notes at end of table.

**Table K-3. Nonresponse bias before and after weight adjustment for the sample using the cross-sectional weight for the racial group White/Other, by selected categorical variables: 2006—Continued**

Description	Before nonresponse adjustment							After nonresponse adjustments					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Full-time teachers certified													
0–90 percent	2,200	360	12.595	15.707	-0.516	-0.039	N	13.11	13.001	0.109	0.364	0.008	N
91–99 percent	1,500	230	19.498	19.642	-0.024	-0.001	N	19.522	19.505	0.017	0.037	0.001	N
100 percent	5,200	720	67.907	64.651	0.54	0.008	N	67.368	67.494	-0.127	-0.243	-0.002	N
Number of days in school year													
Less than 180 days	2,700	350	26.651	21.384	0.873	0.034	Y	25.778	26.351	-0.574	-1.411	-0.022	N
180 days	4,700	690	55.897	56.729	-0.138	-0.002	N	56.035	55.62	0.415	0.779	0.007	N
More than 180 days	1,500	270	17.452	21.888	-0.735	-0.04	N	18.187	18.029	0.159	0.35	0.009	N

# Rounds to zero.

‡ Counts suppressed for reasons of confidentiality.

<sup>1</sup> Design weight is used before weight adjustments. This is the distribution to each response category.

<sup>2</sup> "Y" denotes statistical significance at p < .05. "N" denotes no statistical significance.

<sup>3</sup> Weight after nonresponse and calibration adjustment.

<sup>4</sup> IEP = Individualized Education Program.

<sup>5</sup> LEP = limited English proficient.

<sup>6</sup> "All other races" includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Table K-4. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight for the racial group White/Other, by selected categorical variables: 2006**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
<b>Father's occupation</b>													
No job for pay	30	‡	0.204	0.141	0.006	0.028	N	0.198	0.24	-0.041	-2.259	-0.209	N
Clerical	170	‡	2.216	0.769	0.129	0.062	Y	2.087	2.128	-0.041	-0.496	-0.02	N
Craftsperson	1,100	100	14.076	17.07	-0.267	-0.019	N	14.343	13.941	0.401	1.197	0.028	N
Farmer, farm manager	160	‡	2.362	2.716	-0.032	-0.013	N	2.393	2.01	0.383	1.577	0.16	N
Homemaker	120	‡	1.572	3.125	-0.138	-0.081	N	1.71	1.808	-0.098	-0.845	-0.057	N
Laborer	660	80	8.163	11.185	-0.269	-0.032	N	8.432	8.308	0.124	0.654	0.015	N
Manager, administrator	1,400	110	16.511	15.943	0.051	0.003	N	16.461	16.677	-0.216	-0.79	-0.013	N
Military	100	‡	1.303	1.141	0.014	0.011	N	1.288	1.315	-0.027	-0.415	-0.021	N
Operative	800	70	9.959	9.997	-0.003	#	N	9.962	9.973	-0.01	-0.052	-0.001	N
Professional A	1,000	70	11.713	9.024	0.24	0.021	N	11.473	11.648	-0.175	-0.867	-0.015	N
Professional B	620	40	5.868	3.568	0.205	0.036	N	5.663	5.97	-0.307	-2.839	-0.054	N
Proprietor, owner	620	60	6.982	7.033	-0.005	-0.001	N	6.987	7.189	-0.202	-1.394	-0.029	N
Protective service	260	30	3.196	2.774	0.038	0.012	N	3.158	3.131	0.027	0.22	0.009	N
Sales	500	40	6.083	5.512	0.051	0.008	N	6.032	6.023	0.009	0.03	0.001	N
School teacher	160	‡	1.927	0.465	0.13	0.073	Y	1.796	1.697	0.1	0.767	0.055	N
Service	210	30	2.408	4.949	-0.226	-0.086	N	2.635	2.548	0.087	0.749	0.033	N
Technical	420	30	5.459	4.589	0.078	0.014	N	5.382	5.394	-0.012	-0.064	-0.002	N
<b>Mother's occupation</b>													
No job for pay	130	‡	1.595	1.693	-0.009	-0.005	N	1.604	1.306	0.298	1.387	0.186	N
Clerical	1,500	120	18.32	20.638	-0.206	-0.011	N	18.527	18.236	0.291	0.881	0.016	N
Craftsperson	150	20	1.857	2.63	-0.069	-0.036	N	1.926	1.986	-0.06	-0.754	-0.031	N
Farmer, farm manager	20	‡	0.288	0.187	0.009	0.032	N	0.279	0.239	0.04	0.806	0.143	N
Homemaker	330	60	4.381	6.728	-0.209	-0.046	N	4.59	4.702	-0.112	-0.694	-0.024	N
Laborer	220	30	2.96	4.939	-0.176	-0.056	N	3.136	2.94	0.196	1.121	0.063	N
Manager, administrator	990	90	11.86	11.678	0.016	0.001	N	11.844	12.054	-0.211	-1.05	-0.018	N
Military	20	‡	0.195	#	#	#	Y	0.178	0.218	-0.04	-2.563	-0.224	N
Operative	260	‡	3.245	3.167	0.007	0.002	N	3.238	3.371	-0.133	-1.392	-0.041	N
Professional A	1,500	100	16.243	13.725	0.224	0.014	N	16.019	16.184	-0.165	-0.659	-0.01	N
Professional B	350	30	3.758	2.795	0.086	0.023	N	3.672	3.924	-0.252	-2.774	-0.069	N
Proprietor, owner	210	‡	2.583	3.357	-0.069	-0.026	N	2.652	2.753	-0.101	-0.986	-0.038	N
Protective service	50	‡	0.588	0.707	-0.011	-0.018	N	0.599	0.6	-0.001	-0.031	-0.002	N

See notes at end of table.

**Table K-4. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight for the racial group White/Other, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Mother's occupation—Continued													
Sales	410	40	4.897	6.157	-0.112	-0.022	N	5.009	4.852	0.157	0.874	0.031	N
School teacher	760	40	8.805	4.771	0.359	0.043	Y	8.445	8.185	0.26	1.688	0.031	N
Service	1,100	90	13.562	14.245	-0.061	-0.004	N	13.623	13.986	-0.363	-1.469	-0.027	N
Technical	390	30	4.862	2.584	0.203	0.044	Y	4.659	4.464	0.195	1.325	0.042	N
English is the student's native language													
No	300	40	3.203	4.943	-0.155	-0.046	N	3.358	3.391	-0.034	-0.233	-0.01	N
Yes	8,100	680	96.797	95.057	0.155	0.002	N	96.642	96.609	0.034	0.233	#	N
Sophomore cohort member													
No	60	‡	0.857	1.315	-0.041	-0.045	N	0.898	1.012	-0.114	-1.706	-0.127	N
Yes	8,300	710	99.143	98.685	0.041	#	N	99.102	98.988	0.114	1.706	0.001	N
Senior cohort member													
No	670	60	9.271	10.566	-0.115	-0.012	N	9.386	10.984	-1.597	-5.093	-0.17	Y
Yes	7,700	660	90.729	89.434	0.115	0.001	N	90.614	89.016	1.597	5.093	0.018	Y
Asian 10th-grade enrollment percent													
≤ 2 percent	3,400	280	38.668	35.705	0.264	0.007	N	38.404	39.068	-0.664	-1.406	-0.017	N
> 2 percent	5,000	450	61.332	64.295	-0.264	-0.004	N	61.596	60.932	0.664	1.406	0.011	N
Black or African American 10th-grade enrollment percent													
≤ 4 percent	3,400	280	42.091	38.236	0.343	0.008	N	41.747	41.282	0.465	0.936	0.011	N
> 4 percent	5,000	440	57.909	61.764	-0.343	-0.006	N	58.253	58.718	-0.465	-0.936	-0.008	N
Income													
None	20	‡	0.169	0.333	-0.015	-0.079	N	0.184	0.174	0.01	0.328	0.053	N
\$1,000 or less	30	‡	0.387	0.462	-0.007	-0.017	N	0.393	0.44	-0.046	-1.498	-0.118	N
\$1,001–\$5,000	60	‡	0.941	1.69	-0.067	-0.066	N	1.007	0.881	0.126	1.212	0.125	N
\$5,001–\$10,000	100	‡	1.271	1.458	-0.017	-0.013	N	1.288	1.314	-0.025	-0.351	-0.02	N
\$10,001–\$15,000	210	‡	2.897	4.184	-0.115	-0.038	N	3.011	2.788	0.223	1.175	0.074	N
\$15,001–\$20,000	250	30	3.043	3.4	-0.032	-0.01	N	3.075	3.163	-0.088	-0.875	-0.029	N
\$20,001–\$25,000	380	40	4.982	6.265	-0.114	-0.022	N	5.096	5.079	0.017	0.082	0.003	N
\$25,001–\$35,000	780	70	10.328	9.146	0.105	0.01	N	10.222	10.414	-0.191	-0.936	-0.019	N

See notes at end of table.

**Table K-4. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight for the racial group White/Other, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Income—Continued													
\$35,001–\$50,000	1,600	160	19.583	23.939	-0.388	-0.019	N	19.971	19.447	0.524	1.613	0.026	N
\$50,001–\$75,000	2,000	160	24.488	22.529	0.175	0.007	N	24.314	24.12	0.193	0.596	0.008	N
\$75,001–\$100,000	1,400	120	15.757	14.763	0.089	0.006	N	15.668	15.849	-0.181	-0.694	-0.012	N
\$100,001–\$200,000	1,200	90	12.613	10.35	0.202	0.016	N	12.412	12.767	-0.355	-1.823	-0.029	N
\$200,001 or more	410	30	3.542	1.481	0.184	0.055	Y	3.358	3.564	-0.206	-2.764	-0.061	N
Census region													
Northeast	1,600	140	20.45	15.975	0.399	0.02	N	20.051	20.347	-0.296	-0.744	-0.015	N
Midwest	2,700	190	30.07	26.1	0.354	0.012	N	29.717	29.737	-0.02	-0.056	-0.001	N
South	2,900	280	31.106	34.72	-0.322	-0.01	N	31.428	31.425	0.004	0.009	#	N
West	1,100	110	18.373	23.204	-0.431	-0.023	N	18.804	18.491	0.313	0.509	0.017	N
School sector													
Public	6,000	560	90.263	93.241	-0.265	-0.003	Y	90.528	90.311	0.218	1.217	0.002	N
Catholic	1,300	80	5.532	3.601	0.172	0.032	Y	5.36	5.176	0.184	2.542	0.034	Y
Other private	1,000	80	4.205	3.158	0.093	0.023	Y	4.112	4.513	-0.401	-2.529	-0.098	Y
School urbanicity													
Urban	2,200	180	21.17	23.882	-0.242	-0.011	N	21.412	21.681	-0.27	-0.533	-0.013	N
Suburban	4,200	370	53.52	50.622	0.258	0.005	N	53.262	53.705	-0.443	-0.861	-0.008	N
Rural	2,000	170	25.31	25.496	-0.017	-0.001	N	25.326	24.613	0.713	1.478	0.028	N
Minutes per class period													
≤ 45	2,100	170	19.879	16.433	0.307	0.016	N	19.572	19.862	-0.29	-0.828	-0.015	N
46–50	2,100	170	25.001	25.115	-0.01	0	N	25.011	24.735	0.276	0.502	0.011	N
51–80	1,900	160	25.614	25.383	0.021	0.001	N	25.594	26.008	-0.414	-0.958	-0.016	N
81+	2,200	220	29.506	33.069	-0.317	-0.011	N	29.824	29.396	0.428	0.98	0.014	N
Class periods per day													
1–4	2,300	220	30.401	32.992	-0.231	-0.008	N	30.632	30.202	0.43	0.987	0.014	N
5–6	1,600	140	22.453	25.485	-0.27	-0.012	N	22.723	22.794	-0.071	-0.156	-0.003	N
7	2,600	220	27.357	26.048	0.117	0.004	N	27.241	27.583	-0.342	-0.866	-0.013	N
8–9	1,900	140	19.789	15.475	0.384	0.02	N	19.404	19.422	-0.017	-0.034	-0.001	N

See notes at end of table.

**Table K-4. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight for the racial group White/Other, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Is the school coeducational?													
Yes	7,800	690	97.584	98.248	-0.059	-0.001	N	97.643	97.688	-0.045	-0.941	#	N
No, all-female school	260	‡	1.171	0.705	0.042	0.037	N	1.129	1.113	0.016	0.421	0.014	N
No, all-male school	280	‡	1.246	1.048	0.018	0.014	N	1.228	1.199	0.029	1.163	0.024	N
10th-grade enrollment													
0–99	2,200	200	16.177	15.409	0.068	0.004	N	16.108	15.831	0.277	0.627	0.017	N
100–249	2,500	190	25.956	21.464	0.4	0.016	N	25.555	24.792	0.764	2.136	0.03	N
250–499	2,500	210	36.343	35.157	0.106	0.003	N	36.237	37.122	-0.885	-1.94	-0.024	N
500+	1,200	130	21.525	27.97	-0.574	-0.026	N	22.099	22.254	-0.155	-0.3	-0.007	N
Total enrollment													
≤ 600	2,600	220	22.645	20.26	0.213	0.009	N	22.433	21.781	0.651	1.461	0.029	N
601–1,200	2,800	240	30.501	29.31	0.106	0.003	N	30.395	30.383	0.012	0.03	#	N
1,201–1,800	1,700	140	25.568	24.133	0.128	0.005	N	25.44	26.222	-0.782	-2.214	-0.031	N
> 1,800	1,200	120	21.285	26.298	-0.447	-0.021	N	21.732	21.614	0.118	0.22	0.005	N
Enrollment Status													
In school / in grade (grade 12)	7,700	660	90.721	89.434	0.115	0.001	N	90.606	89.009	1.597	5.094	0.018	Y
In school / out of grade	370	30	5.264	6.176	-0.081	-0.015	N	5.345	6.118	-0.773	-2.709	-0.145	Y
Out of school	310	30	4.015	4.389	-0.033	-0.008	N	4.049	4.873	-0.825	-5.528	-0.204	Y
Family composition													
Mother and father	5,600	420	64.299	56.582	0.688	0.011	Y	63.612	62.765	0.847	2.377	0.013	N
Mother and male guardian	950	90	12.907	12.557	0.031	0.002	N	12.876	13.136	-0.26	-1.006	-0.02	N
Father and female guardian	230	40	2.776	5.036	-0.201	-0.068	N	2.978	3.182	-0.204	-1.695	-0.069	N
Two guardians	90	‡	1.036	1.848	-0.072	-0.065	N	1.109	1.164	-0.055	-0.899	-0.05	N
Mother only	1,100	110	14.003	15.244	-0.111	-0.008	N	14.114	14.554	-0.441	-1.788	-0.031	N
Father only	250	30	3.331	6.331	-0.267	-0.074	N	3.598	3.477	0.121	0.64	0.034	N
Female guardian only	50	‡	0.672	0.86	-0.017	-0.024	N	0.688	0.766	-0.078	-1.586	-0.113	N
Male guardian only	10	‡	0.141	0.637	-0.044	-0.239	N	0.185	0.141	0.044	1.222	0.238	N
Lives with student less than half the year	60	‡	0.835	0.905	-0.006	-0.007	N	0.841	0.816	0.025	0.515	0.03	N

See notes at end of table.

**Table K-4. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight for the racial group White/Other, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Parent's highest level of education													
Did not finish high school	150	‡	2.198	2.876	-0.06	-0.027	N	2.258	2.105	0.153	0.983	0.068	N
Graduated from high school or GED	1,500	190	19.858	29.271	-0.839	-0.041	Y	20.697	20.379	0.318	0.871	0.015	N
Attended 2-year school, no degree	880	90	11.249	12.165	-0.082	-0.007	N	11.331	11.379	-0.048	-0.215	-0.004	N
Graduated from 2-year school	910	80	11.738	11.942	-0.018	-0.002	N	11.756	11.61	0.145	0.538	0.012	N
Attended college, no 4-year degree	940	90	11.185	13.146	-0.175	-0.015	N	11.359	11.512	-0.153	-0.622	-0.013	N
Graduated from college	2,100	140	24.121	17.843	0.559	0.024	Y	23.562	23.915	-0.353	-1.25	-0.015	N
Completed master's degree or equivalent	1,200	80	13.445	9.334	0.366	0.028	Y	13.079	12.775	0.304	1.239	0.023	N
Completed Ph.D., M.D., other advanced degree	650	40	6.206	3.424	0.248	0.042	Y	5.958	6.324	-0.366	-2.801	-0.061	Y
Socioeconomic status (SES)													
Lowest quarter	1,200	150	15.877	21.441	-0.496	-0.03	Y	16.372	15.97	0.402	1.29	0.025	N
Second quarter	1,900	200	24.437	31.478	-0.627	-0.025	N	25.065	24.67	0.395	1.142	0.016	N
Third quarter	2,300	200	27.588	28.245	-0.059	-0.002	N	27.647	28.242	-0.595	-1.975	-0.022	N
Highest quarter	3,000	180	32.098	18.836	1.182	0.038	Y	30.916	31.118	-0.202	-0.635	-0.007	N
Student sex													
Male	4,000	450	48.037	64.036	-1.426	-0.029	Y	49.463	49.709	-0.246	-0.662	-0.005	N
Female	4,300	280	51.963	35.964	1.426	0.028	Y	50.537	50.291	0.246	0.662	0.005	N
Free or reduced-price lunch													
0	1,900	140	10.461	7.17	0.293	0.029	Y	10.168	10.159	0.009	0.043	0.001	N
1–10	2,300	170	30.894	25.229	0.505	0.017	N	30.389	30.784	-0.395	-0.978	-0.013	N
11–30	2,600	250	37.997	40.995	-0.267	-0.007	N	38.264	37.962	0.302	0.581	0.008	N
> 30	1,600	170	20.648	26.605	-0.531	-0.025	N	21.179	21.095	0.084	0.161	0.004	N
Number of full-time teachers													
1–40	2,800	230	22.709	20.37	0.209	0.009	N	22.501	21.795	0.706	1.613	0.031	N
41–70	2,300	200	26.086	24.866	0.109	0.004	N	25.977	25.771	0.206	0.598	0.008	N
71–100	1,900	160	28.869	28.929	-0.005	0	N	28.874	29.181	-0.307	-0.628	-0.011	N
101+	1,400	130	22.336	25.836	-0.312	-0.014	N	22.648	23.253	-0.605	-1.361	-0.027	N

See notes at end of table.



**Table K-4. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight for the racial group White/Other, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Number of grades within the school													
4	6,000	510	76.009	79.784	-0.336	-0.004	N	76.345	76.001	0.345	0.748	0.005	N
> or < 4	2,400	210	23.991	20.216	0.336	0.014	N	23.655	23.999	-0.345	-0.748	-0.015	N
Types of grades within the school													
K-12, PreK-10th, 1st-12th, PreK/1st-9th/12th and PreK-12 schools	810	60	6.898	5.936	0.086	0.013	N	6.812	6.893	-0.081	-0.178	-0.012	N
Middle grades but no elementary	970	100	8.38	7.431	0.085	0.01	N	8.295	8.147	0.148	0.919	0.018	N
Only high school	6,600	560	84.722	86.632	-0.17	-0.002	N	84.893	84.96	-0.067	-0.15	-0.001	N
Hispanic or Latino 10th-grade enrollment percent													
≤ 3 percent	3,900	320	45.531	39.008	0.581	0.013	Y	44.95	45.178	-0.228	-0.468	-0.005	N
> 3 percent	4,500	410	54.469	60.992	-0.581	-0.011	Y	55.05	54.822	0.228	0.468	0.004	N
IEP <sup>4</sup> percentage													
≤ 5 percent	3,500	270	26.316	22.268	0.361	0.014	N	25.955	26.291	-0.336	-0.888	-0.013	N
6–10 percent	2,100	210	33.367	37.62	-0.379	-0.011	N	33.746	33.291	0.455	0.926	0.013	N
11–15 percent	1,800	160	26.241	26.53	-0.026	-0.001	N	26.267	26.094	0.173	0.422	0.007	N
> 15 percent	1,000	90	14.076	13.583	0.044	0.003	N	14.032	14.323	-0.291	-0.544	-0.021	N
LEP <sup>5</sup> percentage													
0 percent	4,500	360	41.845	36.439	0.482	0.012	N	41.363	40.833	0.531	1.066	0.013	N
1 percent	1,700	150	26.035	23.285	0.245	0.01	N	25.79	25.875	-0.085	-0.207	-0.003	N
2–5 percent	1,300	110	18.88	15.079	0.339	0.018	N	18.541	19.219	-0.678	-2.094	-0.037	N
> 5 percent	800	110	13.24	25.197	-1.065	-0.074	Y	14.306	14.074	0.232	0.441	0.016	N
All other races <sup>6</sup> 10th-grade enrollment percent													
≤ 80 percent	2,500	260	32.868	42.224	-0.834	-0.025	Y	33.702	34.352	-0.650	-1.258	-0.019	N
> 80 percent	5,800	470	67.132	57.776	0.834	0.013	Y	66.298	65.648	0.650	1.258	0.010	N
Number of part-time teachers													
0–1	2,000	210	25.677	32.078	-0.570	-0.022	N	26.248	26.169	0.079	0.168	0.003	N
2–3	2,400	210	30.467	28.425	0.182	0.006	N	30.285	30.016	0.269	0.518	0.009	N
4–6	2,200	180	22.83	21.174	0.148	0.007	N	22.682	22.763	-0.080	-0.198	-0.004	N
7+	1,700	130	21.026	18.323	0.241	0.012	N	20.785	21.053	-0.268	-0.723	-0.013	N

See notes at end of table.

**Table K-4. Nonresponse bias before and after weight adjustment for the sample using the F2F1 panel weight for the racial group White/Other, by selected categorical variables: 2006—Continued**

Description	Before weight adjustment							After weight adjustment					
	Unweighted respondents	Unweighted non-respondents	Respondent mean weighted <sup>1</sup>	Non-respondent mean weighted <sup>1</sup>	Estimated bias	Relative bias	SIG <sup>2</sup>	Overall mean, before adjustments <sup>1</sup>	Overall mean, after adjustments <sup>3</sup>	Estimated bias	Bias per standard error	Relative bias	SIG <sup>2</sup>
Full-time teachers certified													
0–90 percent	2,100	180	12.787	15.403	-0.233	-0.018	N	13.020	13.008	0.012	0.042	0.001	N
91–99 percent	1,400	110	19.189	16.447	0.244	0.013	N	18.944	19.350	-0.405	-0.936	-0.021	N
100 percent	4,900	430	68.025	68.149	-0.011	#	N	68.036	67.643	0.393	0.809	0.006	N
Number of days in school year													
Less than 180 days	2,500	200	26.868	21.710	0.46	0.017	Y	26.409	26.460	-0.051	-0.151	-0.002	N
180 days	4,400	390	55.649	59.144	-0.311	-0.006	N	55.96	55.543	0.418	0.866	0.007	N
More than 180 days	1,400	140	17.483	19.145	-0.148	-0.008	N	17.631	17.997	-0.366	-1.009	-0.021	N

# Rounds to zero.

‡ Counts suppressed for reasons of confidentiality.

<sup>1</sup> Design weight is used before weight adjustments. This is the distribution to each response category.

<sup>2</sup> "Y" denotes statistical significance at  $p < .05$ . "N" denotes no statistical significance.

<sup>3</sup> Weight after nonresponse and calibration adjustment.

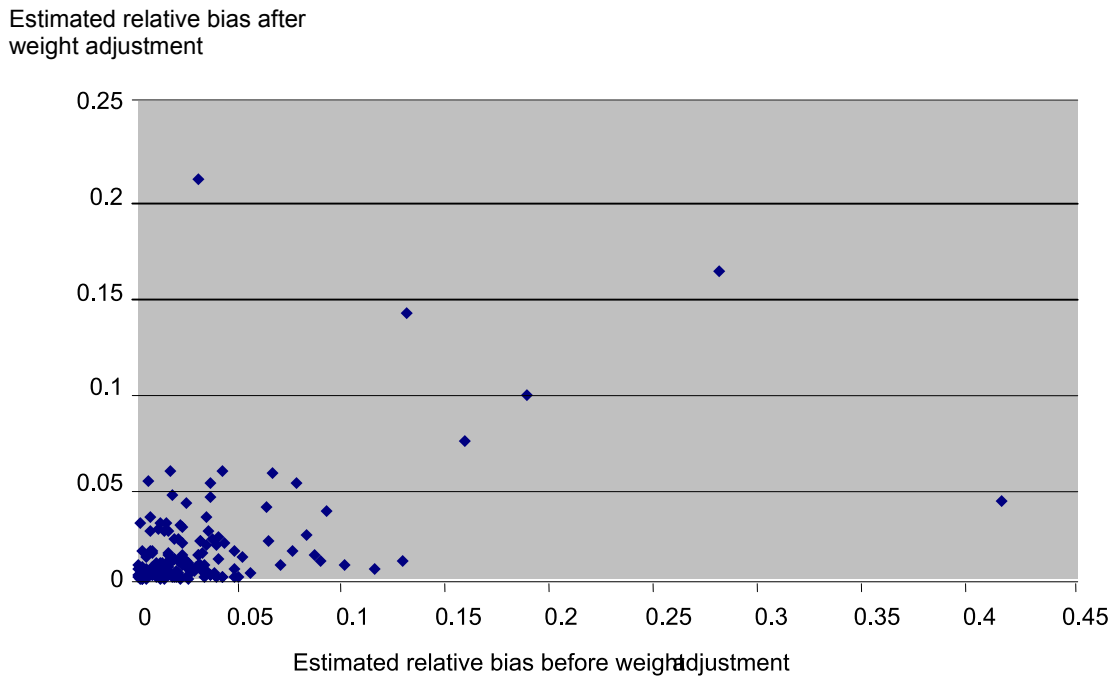
<sup>4</sup> IEP = Individualized Education Program.

<sup>5</sup> LEP = limited English proficient.

<sup>6</sup> "All other races" includes White, American Indian or Alaska Native, Pacific Islander or Native Hawaiian, and More than one race. All race categories exclude individuals of Hispanic or Latino origin.

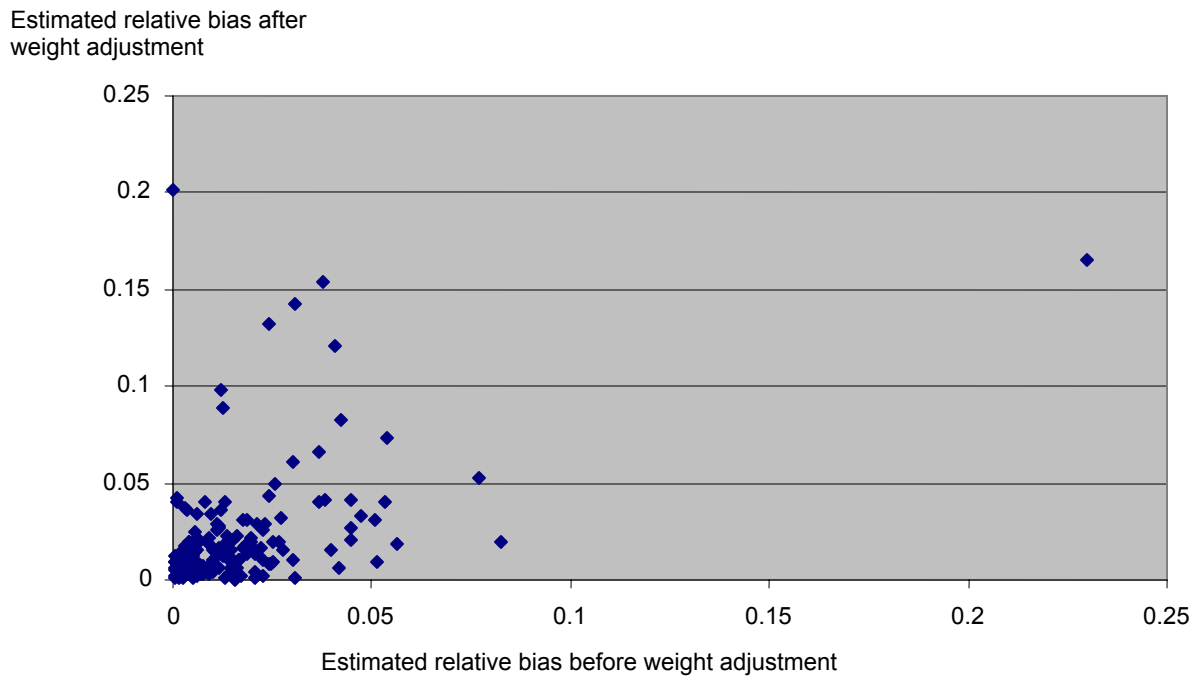
SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Figure K-1. Before versus after weighting adjustment estimates for relative bias for the ELS:2002 sample using the cross-sectional weight F2QWT: 2006**



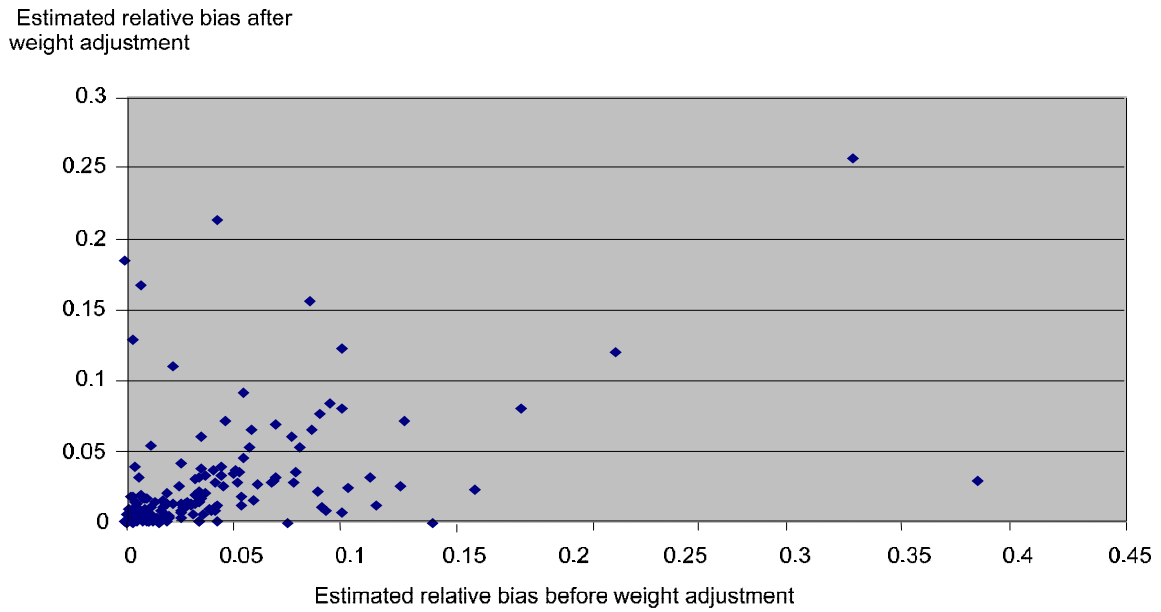
SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Figure K-2. Before versus after weight adjustment estimates for relative bias for ELS:2002 sample using the panel weight F2F1WT: 2006**



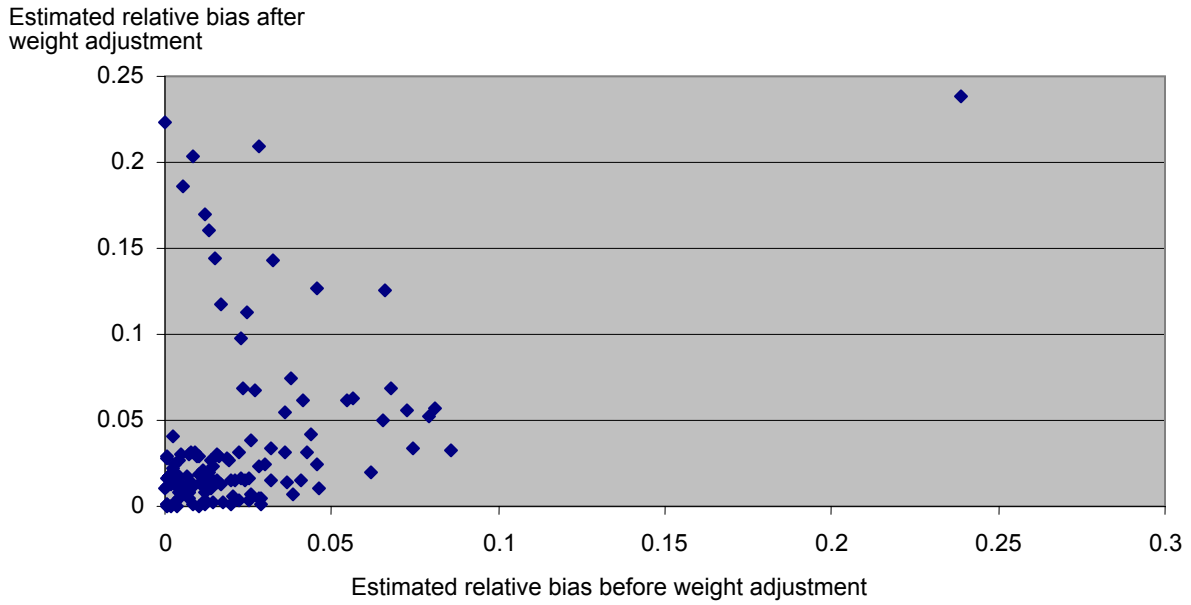
SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Figure K-3. Before versus after weight adjustment estimates for relative bias for the racial group White/Other using the F2 cross-sectional weight F2QWT: 2006**



SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

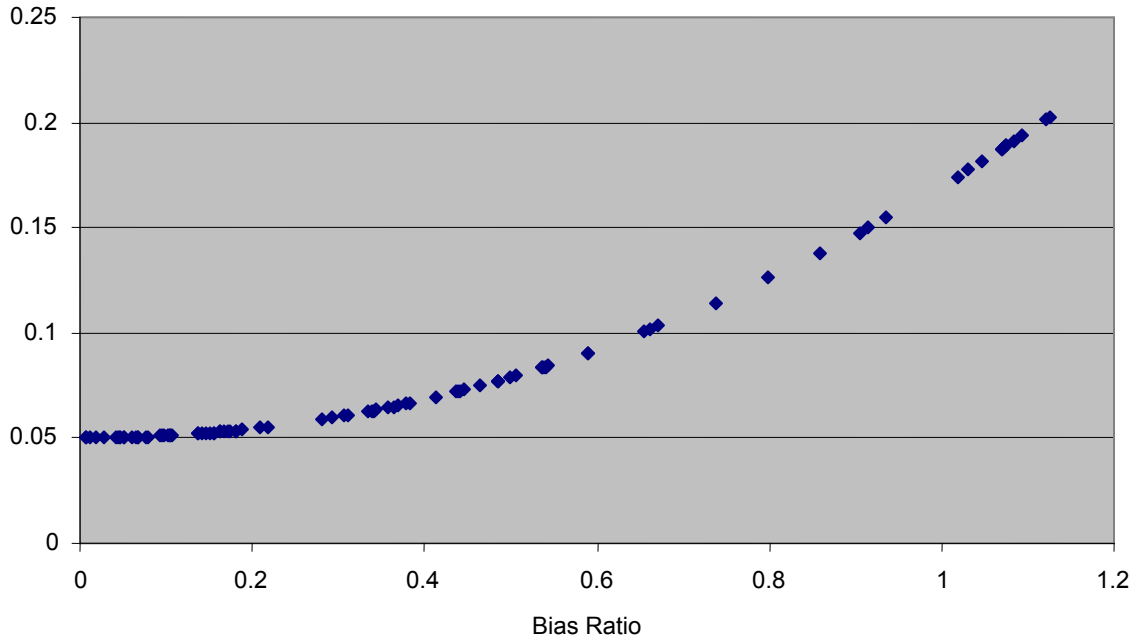
**Figure K-4. Before versus after weight adjustment estimates for relative bias for racial group White/Other using the F2F1 panel weight F2F1WT: 2006**



SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Figure K-5. Minimum bias ratio by Type I error rate for the ELS:2002 sample using the F2 cross-sectional weight F2QWT: 2006**

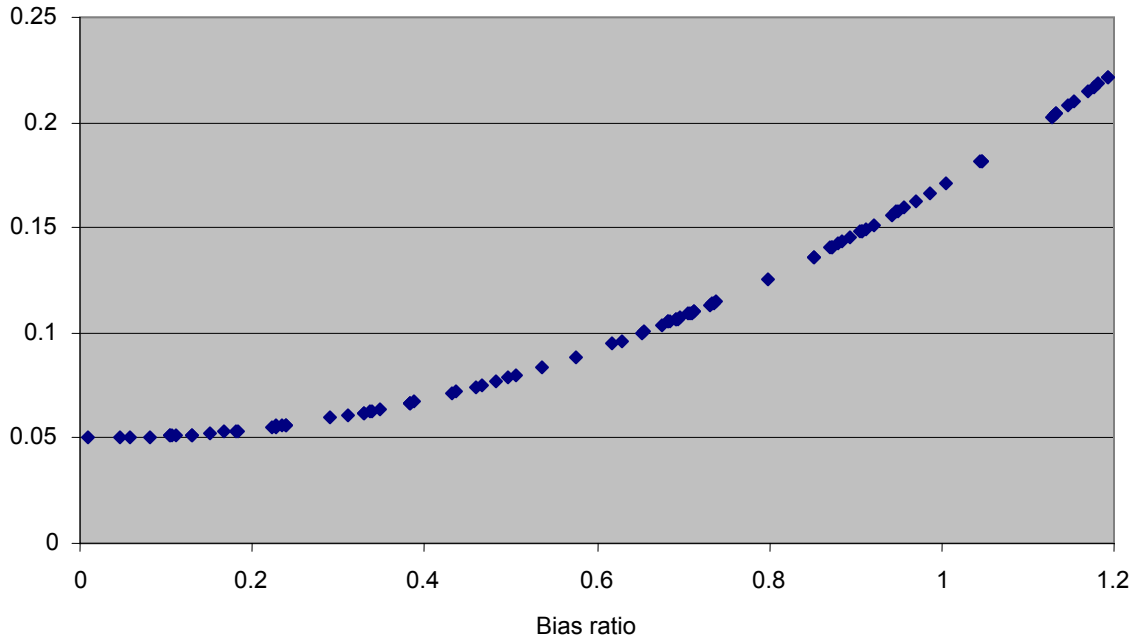
Type I error rate



SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Figure K-6. Minimum bias ratio by Type I error for ELS:2002 sample using the panel weight F2F1WT: 2006**

Type I error rate

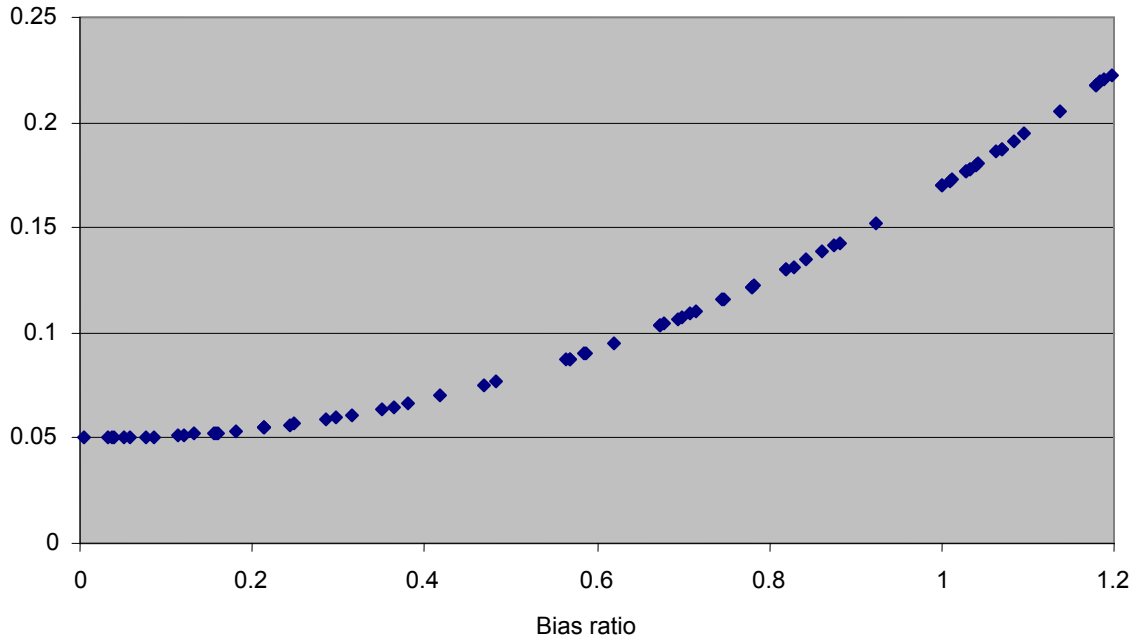


SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."



**Figure K-7. Minimum bias ratio by Type 1 error rate for racial group White/Other using the F2 cross-sectional weight F2QWT: 2006**

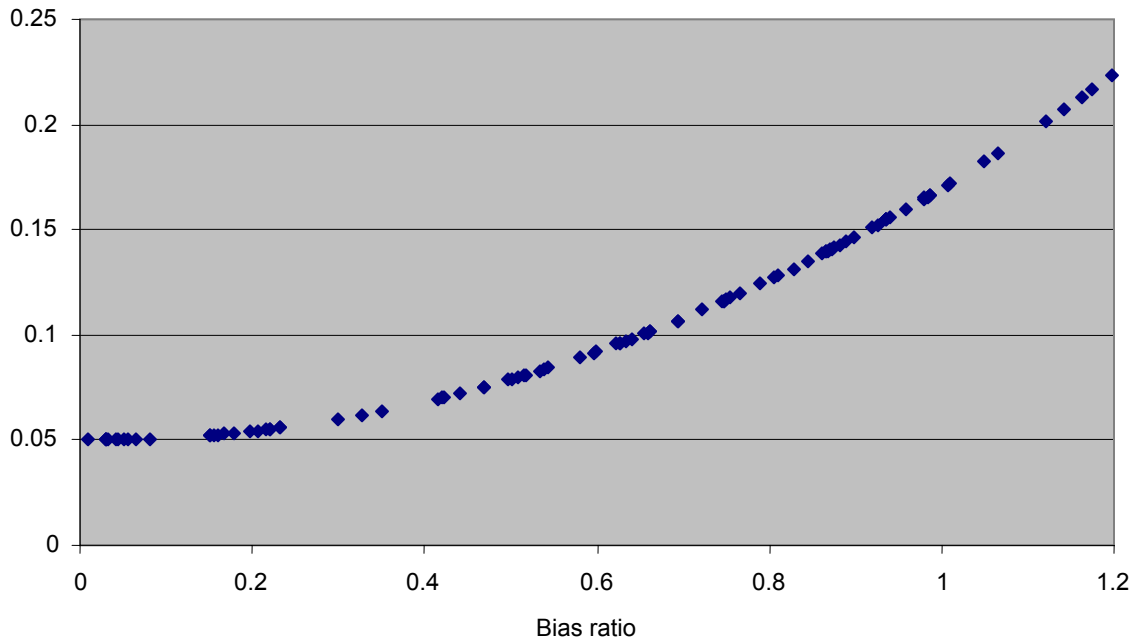
Type I error rate



SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Figure K-8. Minimum bias ratio by Type 1 error for racial group White/Other using F2F1 panel weight F2F1WT: 2006**

Type I error rate



SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Table K-5. Comparison of item respondents and nonrespondents for date of marriage (F2D02R/F2D02P), by selected sample member characteristics, using the F2 cross-sectional weight F2QWT: 2006**

Demographic characteristics	Sample size respondent	Sample size non-respondent	Percent estimate total	Percent estimate respondent	Percent estimate non-respondent	Estimated bias
F1 student's race/ethnicity						
American Indian/Alaska Native, non-Hispanic	‡	‡	2.34	2.25	2.74	-0.08
Asian, Hawaii/Pacific Islander, non-Hispanic	40	‡	2.99	2.45	5.60	-0.54
Black or African American, non-Hispanic	50	‡	8.41	6.71	16.67	-1.70
Hispanic, no race specified	80	‡	12.65	12.42	13.73	-0.22
Hispanic, race specified	80	‡	12.13	12.98	8.00	0.85
More than one race, non-Hispanic	30	‡	4.61	4.62	4.54	0.01
White, non-Hispanic	380	70	56.88	58.57	48.71	1.68
F1 student's gender						
Male	190	80	34.86	30.83	54.42	-4.03*
Female	480	80	65.14	69.17	45.58	4.03*
F1 school type						
Public school	630	130	97.09	97.67	94.27	0.58
Catholic school	‡	‡	0.96	0.39	3.74	-0.57*
Other private school	30	‡	1.95	1.95	1.99	-0.01
Whether has ever attended postsecondary school						
Yes	290	70	44.08	43.52	46.93	-0.56
No	370	70	55.92	56.48	53.07	0.56
Ever applied to postsecondary school						
Yes	390	90	59.23	57.36	68.77	-1.87*
No	280	50	40.77	42.64	31.23	1.87*
When applied to postsecondary school						
While still in high school	190	50	46.36	46.81	44.43	0.45
Sometime after high school	110	30	31.43	30.52	35.30	-0.91
Both	80	‡	22.21	22.67	20.27	0.46

‡ Counts suppressed for reasons of confidentiality.

\*  $p < .05$ .

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Table K-6. Comparison of item respondents and nonrespondents for F2B11NA, by selected sample member characteristics, using the F2 cross-sectional weight F2QWT: 2006**

Demographic characteristics	Sample size respondent	Sample size non-respondent	Percent estimate total	Percent estimate respondent	Percent estimate non-respondent	Estimated bias
<b>F1 student's race/ethnicity</b>						
American Indian/Alaska Native, non-Hispanic	‡	‡	0.26	#	0.67	-0.26
Asian, Hawaii/Pacific Islander, non-Hispanic	‡	‡	4.12	4.04	4.23	-0.07
Black or African American, non-Hispanic	‡	‡	14.57	12.94	17.05	-1.62
Hispanic, no race specified	‡	‡	11.21	9.37	14.03	-1.84
Hispanic, race specified	‡	‡	13.17	13.66	12.43	0.49
More than one race, non-Hispanic	‡	‡	3.73	3.93	3.43	0.20
White, non-Hispanic	80	40	52.94	56.05	48.17	3.11
<b>F1 student's gender</b>						
Male	60	50	48.88	43.80	56.66	-5.08
Female	80	40	51.12	56.20	43.34	5.08
<b>F1 school type</b>						
Public school	120	70	92.22	91.70	93.01	-0.52
Catholic school	‡	‡	4.38	3.98	4.99	-0.40
Other private school	‡	‡	3.40	4.32	2.00	0.92
<b>Whether has ever attended postsecondary school</b>						
Yes	130	90	100.0	100.0	100.0	—
No	—	—	—	—	—	—
<b>Ever applied to postsecondary school</b>						
Yes	120	80	90.96	89.08	93.65	-1.88
No	‡	‡	9.04	10.92	6.35	1.88
<b>When applied to postsecondary school</b>						
While still in high school	30	‡	24.98	27.23	21.92	2.25
Sometime after high school	60	40	51.91	51.34	52.69	-0.57
Both	‡	‡	23.11	21.43	25.39	-1.68

# Rounds to zero.

‡ Counts suppressed for reasons of confidentiality.

— Not applicable.

\*  $p < .05$ .

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Table K-7. Comparison of item respondents and nonrespondents for F2B08NA, by selected sample member characteristics, using the F2 cross-sectional weight F2QWT: 2006**

Demographic characteristics	Sample size respondent	Sample size non-respondent	Percent estimate total	Percent estimate respondent	Percent estimate non-respondent	Estimated bias
F1 student's race/ethnicity						
American Indian/Alaska Native, non-Hispanic	‡	‡	2.25	1.02	4.10	-1.23
Asian, Hawaii/Pacific Islander, non-Hispanic	‡	‡	3.09	2.66	3.74	-0.43
Black or African American, non-Hispanic	40	40	16.84	15.62	18.67	-1.22
Hispanic, no race specified	30	‡	9.35	10.04	8.32	0.69
Hispanic, race specified	‡	30	12.71	8.75	18.63	-3.96
More than one race, non-Hispanic	‡	‡	4.29	4.55	3.90	0.26
White, non-Hispanic	160	80	51.47	57.37	42.65	5.89*
F1 student's gender						
Male	140	130	59.61	52.35	70.48	-7.26*
Female	140	60	40.39	47.65	29.52	7.26*
F1 school type						
Public school	260	180	97.71	97.93	97.37	0.23
Catholic school	‡	‡	0.92	1.09	0.66	0.17
Other private school	‡	‡	1.37	0.98	1.97	-0.40
Whether has ever attended postsecondary school						
Yes	—	—	—	—	—	—
No	270	190	100.0	100.0	100.0	—
Ever applied to postsecondary school						
Yes	130	100	47.09	46.84	47.46	-0.25
No	140	100	52.91	53.16	52.54	0.25
When applied to postsecondary school						
While still in high school	50	40	42.91	42.24	43.86	-0.66
Sometime after high school	50	40	39.41	40.34	38.09	0.93
Both	30	‡	17.68	17.42	18.06	-0.26

‡ Counts suppressed for reasons of confidentiality.

— Not applicable.

\* $p < .05$ 

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."

**Table K-8. Comparison of item respondents and nonrespondents for F2A04A, by selected sample member characteristics, using the F2 cross-sectional weight F2QWT: 2006**

Demographic characteristics	Sample size respondent	Sample size non-respondent	Percent estimate total	Percent estimate respondent	Percent estimate non-respondent	Estimated bias
F1 student's race/ethnicity						
American Indian/Alaska Native, non-Hispanic	—	—	—	—	—	—
Asian, Hawaii/Pacific Islander, non-Hispanic	‡	‡	2.79	1.54	3.70	-1.25
Black or African American, non-Hispanic	‡	‡	38.26	20.57	51.09	-17.69
Hispanic, no race specified	‡	‡	8.88	5.20	11.55	-3.68
Hispanic, race specified	‡	‡	1.66	0.00	2.87	-1.66
More than one race, non-Hispanic	‡	‡	5.98	3.33	7.91	-2.66
White, non-Hispanic	‡	‡	42.42	69.36	22.87	26.94*
F1 student's gender						
Male	‡	‡	55.19	58.64	52.70	3.45
Female	‡	‡	44.81	41.36	47.30	-3.45
F1 school type						
Public school	‡	30	92.84	85.47	98.18	-7.36
Catholic school	‡	‡	3.10	6.28	0.80	3.17
Other private school	‡	‡	4.06	8.25	1.02	4.19
Whether has ever attended postsecondary school						
Yes	‡	‡	38.96	36.00	40.41	-2.96
No	‡	‡	61.04	64.00	59.59	2.96
Ever applied to postsecondary school						
Yes	‡	‡	56.08	62.77	52.77	6.69
No	‡	‡	43.92	37.23	47.23	-6.69
When applied to postsecondary school						
While still in high school	‡	‡	16.65	18.12	15.78	1.47
Sometime after high school	‡	‡	63.68	50.63	71.35	-13.04
Both	‡	‡	19.68	31.25	12.87	11.57

‡ Counts suppressed for reasons of confidentiality.

— Not applicable.

\*  $p < .05$ .

SOURCE: U.S. Department of Education, National Center for Education Statistics, Education Longitudinal Study of 2002 (ELS:2002), "Second Follow-up, 2006."