

# **Appendix I**

## **Design Effects**

---



**Statistical Analysis Considerations**  
**Design Effect Tables**

- A. Design effect tables for undergraduate students based on the study weight
- B. Design effect tables for undergraduate students based on the CATI weights
- C. Design effect tables for graduate students (excluding first-professional students) based on the study weights
- D. Design effect tables for graduate students (excluding first-professional students) based on the CATI weights
- E. Design effect tables for first-professional students based on the study weights
- F. Design effect tables for first-professional students based on the CATI weights



## Statistical Analysis Considerations

The NPSAS:2000 sampling design was a stratified two-stage design. A stratified sample of postsecondary institutions was selected with probabilities proportional to a composite measure of size at the first stage, and a stratified systematic sample of students was selected from sample institutions at the second stage. At the first stage, about 17 percent of the eligible institutions were selected, but the institution sampling rates varied considerably by institutional sampling strata.<sup>1</sup> At the second stage, baccalaureate candidates were sampled at higher rates than other students. Because of this complex sampling design, statistical analyses should be conducted using software that properly accounts for the complex survey design.

Most commonly-used statistical computing packages (e.g., SAS and SPSS) assume that the data were obtained from a simple random sample; that is, they assume that the observations are independent and identically distributed. When the data have been collected using a complex sampling design, the simple random sampling assumption usually leads to an underestimate of the sampling variance, which would lead to artificially small confidence intervals and liberal hypothesis test results (i.e., rejecting the null hypothesis when it is in fact true more often than indicated by the nominal Type I error level) (Carlson et al, 1993).

Statistical strategies that have been developed to address this issue include: first-order Taylor series expansion of the variance equation; balanced repeated replication; and the Jackknife approach (see, e.g., Wolter, 1985). Special-purpose software packages that have been developed for analysis of complex sample survey data include SUDAAN, WesVar, and Stata. Evaluations of the relative performances of these packages are reported by Cohen (1997). SUDAAN is a commercial product developed by RTI; information regarding the features of this package and its lease terms is available from the website <http://www.rti.org/sudaan>. WesVar is a product of Westat, Inc.; information regarding the features of this package and its lease terms is available from the website <http://www.westat.com/wesvar>. NCES has also developed a software tool called the Data Analysis System (DAS) for analysis of complex survey data. Information about using the DAS is available from the website <http://nces.ed.gov/das>.

When computing standard errors using Taylor Series approximation in SUDAAN or Stata these are the variables the analyst should use in specifying analysis strata and analysis PSUs:

- **ANALSTR, ANALPSU:** Analysis strata and analysis PSUs for analyses involving all students
- **UANALSTR, UANALPSU:** Analysis strata and analysis PSUs for analyses involving undergraduate students
- **GANALSTR, GANALPSU:** Analysis strata and analysis PSUs for analyses involving graduate/first-professional students
- **BANALSTR, BANALPSU:** Analysis strata and analysis PSUs for analyses involving baccalaureate recipients

Additionally the analyst should specify the following weights:

- **STUDYWT0:** Study weight for all students
- **STUDYWT1:** Study weight for undergraduates
- **STUDYWT2:** Study weight for graduates/first-professionals
- **CATIWT0:** CATI weight for all students
- **CATIWT1:** CATI weight for undergraduates
- **CATIWT2:** CATI weight for graduates/first-professionals

<sup>1</sup> From about five percent for private for-profit 2-year-or-more institutions to 100 percent for public doctorate-granting high ed and public first-professional-degree high ed. See Chapter 2 for more details.

Below is an example of generic SUDAAN code to produce estimates and standard errors using Taylor Series approximation for CATI variables for undergraduates. The symbols /\* and \*/ in the code indicate the beginning and end of a comment. Note that the dataset must be sorted by analysis strata and analysis PSUs.

```
proc descript data=/* insert filename*/ design=wr;
nest uanalstr uanalpsu;
weight catiwt1;
var /*insert CATI variables*/;
subpopn /* insert domain of interest if domain is a subset of undergraduates*/;
print nsum mean semean / style=nchs;
run;
```

SUDAAN and WesVar can be used to produce standard errors using balanced repeated replication (BRR), which is described in Section 6.3.2. The analyst should specify the following BRR weights:

- **BRSWT01–BRSWT52:** Study BRR weights for all students
- **BMSGWT01–BMSGWT60:** Study BRR weights for graduate/first-professional students
- **BRCWT01–BRCWT52:** CATI BRR weights for all students
- **BRCGWT01–BRCGWT60:** CATI BRR weights for graduate/first-professional students
- **BRCBWT01–BRCBWT64:** CATI BRR weights for baccalaureate students.

Below is an example of generic SUDAAN code to produce estimates and standard errors using BRR for CATI variables for undergraduates. The symbols /\* and \*/ in the code indicate the beginning and end of a comment. Note that the dataset does not need to be sorted.

```
proc descript data=/* insert filename*/ design=brr;
repwgt brcwt01-brcwt52;
weight catiwt1;
var /*insert CATI variables*/;
subpopn /* insert domain of interest if domain is a subset of undergraduates*/;
print nsum mean semean / style=nchs;
run;
```

If one must perform a quick analysis of NPSAS:2000 data without using one of the software packages for analysis of complex survey data, the design effects tables in this appendix can be used to make approximate adjustments to the standard errors of survey statistics computed using the standard software packages that assume simple random sampling designs. For example, table I.2 shows design effects based on the study weights for male undergraduate students. If one had computed a statistic (e.g., mean Pell grant amount) for this domain of students using the study weights, then the summary statistics from table I.2 suggest that the standard error computed from the statistical software package should be multiplied by a survey design effect of about 4.12 (the median for this domain). However, the range of design effects shown in table I.2 for this domain is from 2.02 to 6.03. Therefore, one cannot be confident regarding the actual design-based standard error without performing the analysis using one of the software packages specifically designed for analysis of data from complex sample surveys.

### References

- B.L. Carlson, A.E. Johnson, and S.B. Cohen,. “An Evaluation of the Use of Personal Computers for Variance Estimation with Complex Survey Data.” *Journal of Official Statistics*, 1993: 9(4) 795-814.
- S.B. Cohen. “An Evaluation of Alternative PC-Based Software Packages Developed for the Analysis of Complex Survey Data.” *The American Statistician*, 1997, 57(13): 285-292.
- K. Wolter. *Introduction to Variance Estimation*, Springer-Verlag: New York, NY, 1985.





**Section A**

**Design effect tables for undergraduate students based on the study weights**

Table I-1.—Design effects based on the study weights for all undergraduate students

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	55.32	0.64	0.22	2.86	8.18
Received any federal aid	39.05	0.56	0.22	2.57	6.61
Received any non-federal aid	38.28	0.63	0.22	2.91	8.45
Received any state grant aid	13.62	0.57	0.15	3.73	13.94
Received any institution grant aid	16.66	0.43	0.17	2.55	6.52
Received any aid from other sources	17.47	0.37	0.17	2.16	4.67
Received any grant aid	44.37	0.58	0.22	2.59	6.72
Received any loan aid	28.81	0.52	0.20	2.56	6.58
Received any work-study aid	5.44	0.20	0.10	1.94	3.77
Received any other type of aid	6.92	0.28	0.11	2.44	5.97
Received a Pell grant	22.63	0.46	0.19	2.47	6.08
Received a Stafford loan	27.60	0.51	0.20	2.57	6.60
Received a subsidized loan	23.17	0.48	0.19	2.52	6.34
Received an unsubsidized loan	14.89	0.39	0.16	2.46	6.05
Received grant aid only	22.08	0.53	0.19	2.87	8.24
Married	21.63	0.40	0.18	2.15	4.62
U.S. citizen	93.33	0.26	0.11	2.37	5.60
Enrolled exclusively full-time	49.27	0.60	0.22	2.69	7.22
Lived on campus	15.72	0.39	0.16	2.38	5.66
Applied for federal financial aid	49.29	0.56	0.22	2.52	6.35
SUMMARY STATISTICS					
Minimum	†	†	†	1.94	3.77
25th percentile	†	†	†	2.41	5.82
Median	†	†	†	2.54	6.43
75th percentile	†	†	†	2.64	6.97
Maximum	†	†	†	3.73	13.94

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

Table I-2.—Design effects based on the study weights for male undergraduate students

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	52.47	0.75	0.35	2.17	4.71
Received any federal aid	35.24	0.68	0.33	2.05	4.20
Received any non-federal aid	37.28	0.68	0.34	2.03	4.12
Received any state grant aid	11.60	0.55	0.22	2.46	6.03
Received any institution grant aid	15.56	0.49	0.25	1.97	3.87
Received any aid from other sources	18.58	0.47	0.27	1.74	3.01
Received any grant aid	40.29	0.68	0.34	1.99	3.98
Received any loan aid	27.31	0.65	0.31	2.10	4.39
Received any work-study aid	4.69	0.21	0.15	1.42	2.02
Received any other type of aid	8.77	0.35	0.20	1.76	3.09
Received a Pell grant	18.99	0.54	0.27	1.97	3.87
Received a Stafford loan	26.14	0.64	0.30	2.08	4.34
Received a subsidized loan	21.60	0.61	0.29	2.15	4.60
Received an unsubsidized loan	14.30	0.54	0.24	2.24	5.03
Received grant aid only	19.69	0.59	0.28	2.14	4.57
Married	20.20	0.48	0.28	1.71	2.92
U.S. citizen	92.66	0.35	0.18	1.91	3.65
Enrolled exclusively full-time	50.13	0.76	0.35	2.19	4.81
Lived on campus	16.59	0.48	0.26	1.85	3.43
Applied for federal financial aid	45.03	0.70	0.35	2.03	4.12
SUMMARY STATISTICS					
Minimum	†	†	†	1.42	2.02
25th percentile	†	†	†	1.88	3.54
Median	†	†	†	2.03	4.12
75th percentile	†	†	†	2.14	4.59
Maximum	†	†	†	2.46	6.03

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

Table I-3.—Design effects based on the study weights for female undergraduate students

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	57.54	0.73	0.29	2.53	6.38
Received any federal aid	42.02	0.68	0.29	2.34	5.46
Received any non-federal aid	39.06	0.73	0.29	2.57	6.61
Received any state grant aid	15.19	0.66	0.21	3.15	9.93
Received any institution grant aid	17.51	0.48	0.22	2.16	4.65
Received any aid from other sources	16.60	0.40	0.22	1.85	3.41
Received any grant aid	47.54	0.66	0.29	2.26	5.12
Received any loan aid	29.98	0.60	0.27	2.25	5.07
Received any work-study aid	6.03	0.24	0.14	1.76	3.08
Received any other type of aid	5.48	0.29	0.13	2.14	4.60
Received a Pell grant	25.47	0.56	0.26	2.18	4.75
Received a Stafford loan	28.74	0.60	0.27	2.26	5.10
Received a subsidized loan	24.39	0.54	0.25	2.13	4.53
Received an unsubsidized loan	15.35	0.42	0.21	1.97	3.88
Received grant aid only	23.93	0.60	0.25	2.39	5.69
Married	22.74	0.47	0.25	1.92	3.70
U.S. citizen	93.85	0.30	0.14	2.15	4.61
Enrolled exclusively full-time	48.60	0.65	0.29	2.21	4.87
Lived on campus	15.05	0.42	0.21	1.99	3.95
Applied for federal financial aid	52.60	0.66	0.29	2.26	5.12
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.76	3.08
25th percentile	†	†	†	2.06	4.24
Median	†	†	†	2.19	4.81
75th percentile	†	†	†	2.30	5.29
Maximum	†	†	†	3.15	9.93

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-4.—Design effects based on the study weights for students at less-than-2-year institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	75.64	2.98	0.60	4.98	24.76
Received any federal aid	66.95	2.97	0.66	4.52	20.44
Received any non-federal aid	23.77	2.01	0.59	3.38	11.43
Received any state grant aid	4.48	1.49	0.29	5.16	26.58
Received any institution grant aid	4.28	1.11	0.28	3.92	15.35
Received any aid from other sources	15.06	2.31	0.50	4.63	21.44
Received any grant aid	58.59	2.20	0.69	3.21	10.29
Received any loan aid	42.81	5.38	0.69	7.79	60.69
Received any work-study aid	0.79	0.35	0.12	2.85	8.13
Received any other type of aid	11.79	2.27	0.45	5.04	25.41
Received a Pell grant	53.93	2.58	0.70	3.71	13.77
Received a Stafford loan	41.28	5.41	0.69	7.88	62.03
Received a subsidized loan	40.15	5.31	0.68	7.76	60.26
Received an unsubsidized loan	32.04	5.58	0.65	8.57	73.46
Received grant aid only	25.41	4.24	0.61	6.97	48.64
Married	26.21	1.54	0.61	2.51	6.31
U.S. citizen	89.08	2.12	0.44	4.87	23.68
Enrolled exclusively full-time	78.36	3.29	0.57	5.72	32.72
Lived on campus	1.36	0.36	0.16	2.23	4.96
Applied for federal financial aid	73.94	2.57	0.61	4.20	17.62
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	2.23	4.96
25th percentile	†	†	†	3.55	12.60
Median	†	†	†	4.75	22.56
75th percentile	†	†	†	6.35	40.68
Maximum	†	†	†	8.57	73.46

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-5.—Design effects based on the study weights for undergraduate students at public 2-year institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	39.62	1.10	0.52	2.13	4.52
Received any federal aid	22.82	0.75	0.45	1.67	2.80
Received any non-federal aid	28.58	1.19	0.48	2.47	6.11
Received any state grant aid	9.73	1.13	0.31	3.60	12.94
Received any institution grant aid	7.95	0.62	0.29	2.17	4.71
Received any aid from other sources	13.94	0.65	0.37	1.77	3.15
Received any grant aid	33.60	1.05	0.50	2.10	4.42
Received any loan aid	9.64	0.54	0.31	1.74	3.02
Received any work-study aid	1.41	0.19	0.13	1.54	2.38
Received any other type of aid	4.59	0.48	0.22	2.16	4.68
Received a Pell grant	17.77	0.65	0.41	1.61	2.58
Received a Stafford loan	9.09	0.52	0.31	1.72	2.95
Received a subsidized loan	7.50	0.47	0.28	1.67	2.80
Received an unsubsidized loan	4.77	0.33	0.23	1.46	2.12
Received grant aid only	25.32	1.04	0.46	2.26	5.09
Married	28.47	0.76	0.48	1.58	2.49
U.S. citizen	92.96	0.49	0.27	1.80	3.22
Enrolled exclusively full-time	29.41	0.82	0.48	1.69	2.87
Lived on campus	4.98	0.38	0.23	1.63	2.67
Applied for federal financial aid	34.21	0.82	0.50	1.62	2.62
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.46	2.12
25th percentile	†	†	†	1.63	2.64
Median	†	†	†	1.73	2.99
75th percentile	†	†	†	2.14	4.60
Maximum	†	†	†	3.60	12.94

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-6.—Design effects based on the study weights for undergraduate students at 4-year non-doctoral/first-professional institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	69.62	0.80	0.39	2.06	4.23
Received any federal aid	52.41	1.07	0.42	2.54	6.45
Received any non-federal aid	51.29	1.13	0.42	2.67	7.12
Received any state grant aid	20.18	0.97	0.34	2.85	8.12
Received any institution grant aid	26.39	1.18	0.37	3.18	10.09
Received any aid from other sources	21.97	0.72	0.35	2.07	4.27
Received any grant aid	56.82	0.92	0.42	2.20	4.84
Received any loan aid	43.19	1.10	0.42	2.64	6.95
Received any work-study aid	10.87	0.68	0.26	2.59	6.71
Received any other type of aid	8.34	0.50	0.23	2.12	4.51
Received a Pell grant	26.97	1.16	0.38	3.09	9.57
Received a Stafford loan	41.37	1.13	0.42	2.71	7.36
Received a subsidized loan	34.46	1.01	0.40	2.50	6.26
Received an unsubsidized loan	20.73	0.87	0.34	2.54	6.46
Received grant aid only	21.26	0.82	0.35	2.37	5.59
Married	18.86	0.76	0.33	2.30	5.31
U.S. citizen	94.74	0.47	0.19	2.49	6.19
Enrolled exclusively full-time	62.46	1.22	0.41	2.97	8.84
Lived on campus	25.39	1.32	0.37	3.59	12.90
Applied for federal financial aid	62.14	1.13	0.41	2.76	7.64
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	2.06	4.23
25th percentile	†	†	†	2.33	5.45
Median	†	†	†	2.57	6.58
75th percentile	†	†	†	2.81	7.88
Maximum	†	†	†	3.59	12.90

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-7.—Design effects based on the study weights for undergraduate students at 4-year doctoral/first-professional institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	64.71	0.49	0.35	1.42	2.01
Received any federal aid	47.96	0.53	0.36	1.46	2.12
Received any non-federal aid	46.31	0.55	0.36	1.51	2.27
Received any state grant aid	15.96	0.43	0.27	1.63	2.65
Received any institution grant aid	25.54	0.52	0.32	1.64	2.70
Received any aid from other sources	20.23	0.34	0.29	1.16	1.34
Received any grant aid	49.47	0.46	0.36	1.26	1.58
Received any loan aid	43.09	0.57	0.36	1.59	2.52
Received any work-study aid	8.85	0.32	0.21	1.53	2.35
Received any other type of aid	8.33	0.29	0.20	1.42	2.01
Received a Pell grant	21.34	0.40	0.30	1.34	1.79
Received a Stafford loan	41.26	0.56	0.36	1.55	2.40
Received a subsidized loan	33.70	0.52	0.34	1.51	2.28
Received an unsubsidized loan	20.44	0.41	0.29	1.39	1.93
Received grant aid only	18.20	0.39	0.28	1.38	1.90
Married	11.64	0.31	0.23	1.32	1.75
U.S. citizen	93.45	0.25	0.18	1.38	1.91
Enrolled exclusively full-time	66.18	0.47	0.34	1.37	1.88
Lived on campus	28.89	0.51	0.33	1.56	2.42
Applied for federal financial aid	57.64	0.55	0.36	1.52	2.30
SUMMARY STATISTICS					
Minimum	†	†	†	1.16	1.34
25th percentile	†	†	†	1.38	1.89
Median	†	†	†	1.44	2.07
75th percentile	†	†	†	1.54	2.38
Maximum	†	†	†	1.64	2.70

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).



**Table I-8.—Design effects based on the study weights for undergraduate students at public 4-year non-doctoral/first-professional institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	62.96	1.19	0.55	2.17	4.72
Received any federal aid	48.15	1.46	0.57	2.57	6.58
Received any non-federal aid	41.17	1.33	0.56	2.38	5.65
Received any state grant aid	17.73	1.16	0.43	2.66	7.10
Received any institution grant aid	13.90	0.91	0.39	2.32	5.40
Received any aid from other sources	17.60	0.89	0.43	2.06	4.23
Received any grant aid	48.29	1.19	0.57	2.10	4.41
Received any loan aid	38.12	1.48	0.55	2.67	7.15
Received any work-study aid	6.70	0.73	0.28	2.58	6.64
Received any other type of aid	6.23	0.46	0.27	1.67	2.78
Received a Pell grant	27.53	1.44	0.51	2.84	8.06
Received a Stafford loan	36.63	1.51	0.55	2.76	7.62
Received a subsidized loan	29.82	1.31	0.52	2.52	6.36
Received an unsubsidized loan	18.96	1.10	0.45	2.47	6.11
Received grant aid only	20.33	0.87	0.46	1.91	3.64
Married	17.66	1.03	0.43	2.37	5.63
U.S. citizen	94.14	0.71	0.27	2.66	7.05
Enrolled exclusively full-time	59.31	1.75	0.56	3.14	9.85
Lived on campus	18.65	1.82	0.44	4.11	16.87
Applied for federal financial aid	58.93	1.55	0.56	2.77	7.68
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.67	2.78
25th percentile	†	†	†	2.25	5.06
Median	†	†	†	2.54	6.47
75th percentile	†	†	†	2.72	7.39
Maximum	†	†	†	4.11	16.87

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-9.—Design effects based on the study weights for undergraduate students at public 4-year doctoral/first-professional institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	62.48	0.56	0.40	1.38	1.91
Received any federal aid	46.14	0.58	0.42	1.38	1.91
Received any non-federal aid	41.77	0.61	0.41	1.47	2.17
Received any state grant aid	15.36	0.48	0.30	1.61	2.58
Received any institution grant aid	19.16	0.46	0.33	1.41	1.98
Received any aid from other sources	18.40	0.37	0.32	1.13	1.29
Received any grant aid	45.65	0.48	0.42	1.16	1.34
Received any loan aid	41.14	0.65	0.41	1.58	2.49
Received any work-study aid	6.08	0.32	0.20	1.59	2.52
Received any other type of aid	7.71	0.31	0.22	1.37	1.89
Received a Pell grant	21.83	0.46	0.35	1.34	1.78
Received a Stafford loan	39.55	0.62	0.41	1.51	2.28
Received a subsidized loan	31.68	0.56	0.39	1.44	2.07
Received an unsubsidized loan	20.68	0.46	0.34	1.36	1.84
Received grant aid only	18.10	0.45	0.32	1.40	1.96
Married	11.94	0.33	0.27	1.22	1.48
U.S. citizen	93.92	0.29	0.20	1.43	2.05
Enrolled exclusively full-time	64.16	0.53	0.40	1.33	1.77
Lived on campus	25.10	0.53	0.36	1.45	2.10
Applied for federal financial aid	55.97	0.62	0.42	1.50	2.24
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.13	1.29
25th percentile	†	†	†	1.35	1.81
Median	†	†	†	1.40	1.97
75th percentile	†	†	†	1.49	2.21
Maximum	†	†	†	1.61	2.58

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-10.—Design effects based on the study weights for undergraduate students at private not-for-profit 4-year non-doctoral/first-professional institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	78.56	1.08	0.52	2.08	4.31
Received any federal aid	58.12	1.68	0.62	2.70	7.31
Received any non-federal aid	64.85	1.71	0.60	2.84	8.06
Received any state grant aid	23.45	1.61	0.54	3.01	9.04
Received any institution grant aid	43.15	2.40	0.63	3.84	14.72
Received any aid from other sources	27.82	1.13	0.57	2.00	4.02
Received any grant aid	68.25	1.55	0.59	2.63	6.92
Received any loan aid	50.00	1.77	0.63	2.80	7.83
Received any work-study aid	16.46	1.23	0.47	2.62	6.87
Received any other type of aid	11.18	0.96	0.40	2.40	5.76
Received a Pell grant	26.22	1.90	0.56	3.41	11.64
Received a Stafford loan	47.72	1.80	0.63	2.86	8.17
Received a subsidized loan	40.68	1.66	0.62	2.68	7.17
Received an unsubsidized loan	23.10	1.41	0.53	2.65	7.00
Received grant aid only	22.50	1.51	0.53	2.86	8.19
Married	20.48	1.12	0.51	2.19	4.80
U.S. citizen	95.55	0.55	0.26	2.10	4.40
Enrolled exclusively full-time	66.68	1.59	0.60	2.67	7.15
Lived on campus	34.43	1.98	0.60	3.30	10.87
Applied for federal financial aid	66.44	1.76	0.60	2.95	8.69
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	2.00	4.02
25th percentile	†	†	†	2.51	6.32
Median	†	†	†	2.69	7.24
75th percentile	†	†	†	2.90	8.44
Maximum	†	†	†	3.84	14.72

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-11.—Design effects based on the study weights for undergraduate students at private not-for-profit 4-year doctoral/first-professional institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	72.85	0.98	0.66	1.49	2.22
Received any federal aid	54.58	1.22	0.74	1.65	2.73
Received any non-federal aid	62.84	1.10	0.72	1.54	2.37
Received any state grant aid	18.16	0.97	0.57	1.69	2.87
Received any institution grant aid	48.76	1.48	0.74	2.00	3.99
Received any aid from other sources	26.91	0.81	0.66	1.23	1.52
Received any grant aid	63.39	1.07	0.71	1.49	2.23
Received any loan aid	50.19	1.14	0.74	1.54	2.38
Received any work-study aid	18.92	0.88	0.58	1.51	2.29
Received any other type of aid	10.55	0.71	0.46	1.55	2.40
Received a Pell grant	19.53	0.79	0.59	1.35	1.83
Received a Stafford loan	47.48	1.20	0.74	1.62	2.64
Received a subsidized loan	41.06	1.23	0.73	1.68	2.83
Received an unsubsidized loan	19.59	0.90	0.59	1.53	2.34
Received grant aid only	18.56	0.74	0.58	1.28	1.64
Married	10.56	0.78	0.46	1.71	2.93
U.S. citizen	91.75	0.50	0.41	1.23	1.52
Enrolled exclusively full-time	73.53	0.96	0.65	1.47	2.16
Lived on campus	42.69	1.39	0.73	1.90	3.59
Applied for federal financial aid	63.73	1.10	0.71	1.54	2.36
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.23	1.52
25th percentile	†	†	†	1.48	2.19
Median	†	†	†	1.54	2.36
75th percentile	†	†	†	1.67	2.78
Maximum	†	†	†	2.00	3.99

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-12.—Design effects based on the study weights for undergraduate students at private for-profit institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	85.12	1.27	0.47	2.69	7.24
Received any federal aid	80.48	1.25	0.53	2.38	5.66
Received any non-federal aid	28.42	2.23	0.60	3.71	13.79
Received any state grant aid	8.97	1.91	0.38	5.01	25.11
Received any institution grant aid	6.35	1.45	0.32	4.46	19.85
Received any aid from other sources	15.41	1.49	0.48	3.10	9.61
Received any grant aid	59.86	1.87	0.65	2.86	8.19
Received any loan aid	66.74	2.60	0.63	4.14	17.14
Received any work-study aid	1.00	0.34	0.13	2.56	6.57
Received any other type of aid	12.96	1.38	0.45	3.09	9.56
Received a Pell grant	52.06	2.10	0.66	3.15	9.94
Received a Stafford loan	65.24	2.62	0.63	4.13	17.02
Received a subsidized loan	61.46	2.55	0.65	3.94	15.54
Received an unsubsidized loan	52.02	2.59	0.66	3.89	15.16
Received grant aid only	15.14	2.28	0.48	4.77	22.79
Married	23.93	1.24	0.57	2.18	4.75
U.S. citizen	90.92	1.36	0.38	3.57	12.73
Enrolled exclusively full-time	77.38	2.43	0.56	4.37	19.07
Lived on campus	3.44	0.67	0.24	2.74	7.52
Applied for federal financial aid	85.03	1.25	0.47	2.64	6.98
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	2.18	4.75
25th percentile	†	†	†	2.72	7.38
Median	†	†	†	3.36	11.33
75th percentile	†	†	†	4.13	17.08
Maximum	†	†	†	5.01	25.11

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-13.—Design effects based on the study weights for dependent undergraduate students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	58.91	0.64	0.31	2.09	4.35
Received any federal aid	43.67	0.60	0.31	1.95	3.80
Received any non-federal aid	42.25	0.65	0.31	2.13	4.52
Received any state grant aid	16.12	0.47	0.23	2.07	4.27
Received any institution grant aid	24.14	0.58	0.27	2.19	4.81
Received any aid from other sources	16.48	0.37	0.23	1.60	2.56
Received any grant aid	46.12	0.65	0.31	2.08	4.33
Received any loan aid	34.87	0.58	0.30	1.95	3.81
Received any work-study aid	8.90	0.33	0.18	1.89	3.56
Received any other type of aid	7.77	0.26	0.17	1.58	2.49
Received a Pell grant	19.44	0.50	0.25	2.01	4.05
Received a Stafford loan	33.37	0.58	0.29	1.96	3.86
Received a subsidized loan	25.98	0.52	0.27	1.91	3.65
Received an unsubsidized loan	14.74	0.35	0.22	1.59	2.52
Received grant aid only	20.27	0.48	0.25	1.92	3.68
Married	†	†	†	†	†
U.S. citizen	93.88	0.27	0.15	1.82	3.32
Enrolled exclusively full-time	66.91	0.59	0.29	2.00	4.01
Lived on campus	28.62	0.60	0.28	2.13	4.53
Applied for federal financial aid	56.69	0.61	0.31	1.97	3.88
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.58	2.49
25th percentile	†	†	†	1.89	3.56
Median	†	†	†	1.96	3.86
75th percentile	†	†	†	2.08	4.33
Maximum	†	†	†	2.19	4.81

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-14.—Design effects based on the study weights for independent undergraduate students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	51.86	0.89	0.32	2.75	7.58
Received any federal aid	34.59	0.75	0.31	2.44	5.95
Received any non-federal aid	34.44	0.89	0.31	2.92	8.55
Received any state grant aid	11.21	0.92	0.20	4.53	20.52
Received any institution grant aid	9.43	0.41	0.19	2.19	4.78
Received any aid from other sources	18.42	0.54	0.25	2.18	4.75
Received any grant aid	42.68	0.79	0.32	2.47	6.12
Received any loan aid	22.96	0.67	0.27	2.46	6.05
Received any work-study aid	2.11	0.15	0.09	1.58	2.50
Received any other type of aid	6.10	0.42	0.15	2.74	7.49
Received a Pell grant	25.72	0.62	0.28	2.20	4.86
Received a Stafford loan	22.04	0.65	0.27	2.44	5.94
Received a subsidized loan	20.46	0.63	0.26	2.43	5.92
Received an unsubsidized loan	15.03	0.59	0.23	2.57	6.59
Received grant aid only	23.83	0.81	0.27	2.97	8.82
Married	42.52	0.60	0.32	1.87	3.51
U.S. citizen	92.79	0.34	0.17	2.02	4.07
Enrolled exclusively full-time	32.23	0.81	0.30	2.70	7.26
Lived on campus	3.26	0.21	0.11	1.82	3.31
Applied for federal financial aid	42.14	0.73	0.32	2.30	5.28
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.58	2.50
25th percentile	†	†	†	2.18	4.77
Median	†	†	†	2.44	5.95
75th percentile	†	†	†	2.72	7.38
Maximum	†	†	†	4.53	20.52

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-15.—Design effects based on the study weights for white non-Hispanic undergraduate students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	53.35	0.65	0.27	2.39	5.72
Received any federal aid	36.00	0.59	0.26	2.27	5.17
Received any non-federal aid	38.22	0.59	0.26	2.23	4.99
Received any state grant aid	12.80	0.42	0.18	2.31	5.32
Received any institution grant aid	16.70	0.47	0.20	2.31	5.34
Received any aid from other sources	18.87	0.40	0.21	1.90	3.62
Received any grant aid	41.45	0.57	0.27	2.15	4.61
Received any loan aid	29.12	0.57	0.25	2.32	5.40
Received any work-study aid	5.44	0.24	0.12	1.98	3.94
Received any other type of aid	7.08	0.25	0.14	1.83	3.35
Received a Pell grant	17.34	0.40	0.20	1.95	3.79
Received a Stafford loan	27.96	0.56	0.24	2.32	5.38
Received a subsidized loan	22.58	0.50	0.23	2.21	4.89
Received an unsubsidized loan	15.43	0.38	0.20	1.96	3.82
Received grant aid only	20.14	0.40	0.22	1.83	3.34
Married	22.81	0.48	0.23	2.13	4.53
U.S. citizen	97.86	0.16	0.08	1.99	3.96
Enrolled exclusively full-time	49.51	0.67	0.27	2.49	6.18
Lived on campus	17.13	0.44	0.20	2.14	4.60
Applied for federal financial aid	46.15	0.62	0.27	2.32	5.36
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.83	3.34
25th percentile	†	†	†	1.97	3.88
Median	†	†	†	2.18	4.75
75th percentile	†	†	†	2.31	5.35
Maximum	†	†	†	2.49	6.18

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).



**Table I-16.—Design effects based on the study weights for black non-Hispanic undergraduate students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	69.41	1.41	0.60	2.37	5.61
Received any federal aid	53.61	1.57	0.65	2.43	5.89
Received any non-federal aid	41.85	2.15	0.64	3.37	11.36
Received any state grant aid	18.82	2.58	0.51	5.10	26.03
Received any institution grant aid	14.70	1.04	0.46	2.26	5.10
Received any aid from other sources	16.74	0.93	0.48	1.91	3.66
Received any grant aid	58.20	1.51	0.64	2.37	5.60
Received any loan aid	35.81	1.99	0.62	3.21	10.28
Received any work-study aid	5.89	0.51	0.30	1.66	2.77
Received any other type of aid	7.85	0.70	0.35	2.00	3.99
Received a Pell grant	39.61	1.20	0.63	1.89	3.59
Received a Stafford loan	34.72	1.95	0.62	3.16	9.96
Received a subsidized loan	31.07	1.77	0.60	2.96	8.76
Received an unsubsidized loan	19.64	1.23	0.51	2.38	5.69
Received grant aid only	28.32	2.29	0.58	3.92	15.40
Married	17.81	0.91	0.50	1.84	3.39
U.S. citizen	93.14	0.55	0.33	1.69	2.85
Enrolled exclusively full-time	49.60	1.46	0.65	2.26	5.12
Lived on campus	17.29	1.49	0.49	3.04	9.26
Applied for federal financial aid	64.81	1.30	0.62	2.11	4.43
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.66	2.77
25th percentile	†	†	†	1.96	3.83
Median	†	†	†	2.37	5.61
75th percentile	†	†	†	3.10	9.61
Maximum	†	†	†	5.10	26.03

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

Table I-17.—Design effects based on the study weights for Asian undergraduate students

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	44.08	1.60	0.91	1.76	3.10
Received any federal aid	32.43	1.52	0.86	1.77	3.13
Received any non-federal aid	32.06	1.27	0.86	1.48	2.19
Received any state grant aid	11.94	0.84	0.60	1.42	2.01
Received any institution grant aid	18.76	1.07	0.72	1.49	2.23
Received any aid from other sources	9.34	0.74	0.53	1.39	1.92
Received any grant aid	37.25	1.44	0.89	1.62	2.62
Received any loan aid	21.85	1.33	0.76	1.76	3.08
Received any work-study aid	5.50	0.62	0.42	1.47	2.16
Received any other type of aid	4.58	0.60	0.38	1.56	2.44
Received a Pell grant	22.01	1.26	0.76	1.65	2.72
Received a Stafford loan	20.78	1.33	0.74	1.78	3.18
Received a subsidized loan	18.91	1.32	0.72	1.83	3.35
Received an unsubsidized loan	8.52	1.07	0.51	2.09	4.38
Received grant aid only	18.36	1.05	0.71	1.47	2.17
Married	17.37	1.02	0.70	1.46	2.14
U.S. citizen	62.39	1.40	0.89	1.57	2.48
Enrolled exclusively full-time	48.64	1.67	0.92	1.82	3.30
Lived on campus	14.62	0.92	0.65	1.43	2.03
Applied for federal financial aid	40.54	1.51	0.90	1.67	2.80
SUMMARY STATISTICS					
Minimum	†	†	†	1.39	1.92
25th percentile	†	†	†	1.47	2.17
Median	†	†	†	1.60	2.55
75th percentile	†	†	†	1.77	3.12
Maximum	†	†	†	2.09	4.38

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-18.—Design effects based on the study weights for Hispanic undergraduate students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	58.30	1.61	0.64	2.50	6.26
Received any federal aid	45.03	1.77	0.65	2.72	7.42
Received any non-federal aid	37.95	1.27	0.63	2.01	4.03
Received any state grant aid	14.06	1.21	0.45	2.66	7.09
Received any institution grant aid	17.39	1.04	0.49	2.10	4.40
Received any aid from other sources	13.98	0.85	0.45	1.88	3.54
Received any grant aid	50.29	1.56	0.65	2.39	5.73
Received any loan aid	24.37	1.23	0.56	2.19	4.81
Received any work-study aid	5.34	0.48	0.29	1.62	2.63
Received any other type of aid	6.16	0.71	0.31	2.25	5.06
Received a Pell grant	34.80	1.72	0.62	2.77	7.67
Received a Stafford loan	22.69	1.17	0.55	2.15	4.60
Received a subsidized loan	21.05	1.12	0.53	2.10	4.42
Received an unsubsidized loan	11.03	0.87	0.41	2.12	4.49
Received grant aid only	28.29	1.49	0.59	2.53	6.38
Married	21.40	0.88	0.54	1.65	2.73
U.S. citizen	86.53	0.78	0.45	1.75	3.07
Enrolled exclusively full-time	46.99	1.69	0.65	2.59	6.68
Lived on campus	7.47	0.54	0.34	1.56	2.45
Applied for federal financial aid	55.33	1.66	0.65	2.56	6.57
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.56	2.45
25th percentile	†	†	†	1.94	3.79
Median	†	†	†	2.17	4.71
75th percentile	†	†	†	2.54	6.48
Maximum	†	†	†	2.77	7.67

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-19.—Design effects based on the study weights for low-income undergraduate students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	72.76	0.77	0.38	2.04	4.15
Received any federal aid	64.40	0.83	0.40	2.06	4.25
Received any non-federal aid	46.26	1.04	0.42	2.46	6.05
Received any state grant aid	24.34	0.97	0.36	2.68	7.19
Received any institution grant aid	21.60	0.76	0.35	2.20	4.85
Received any aid from other sources	13.81	0.47	0.29	1.61	2.58
Received any grant aid	68.55	0.75	0.39	1.92	3.68
Received any loan aid	37.82	0.91	0.41	2.22	4.91
Received any work-study aid	8.89	0.40	0.24	1.67	2.78
Received any other type of aid	6.16	0.33	0.20	1.64	2.68
Received a Pell grant	58.59	0.83	0.42	1.99	3.97
Received a Stafford loan	36.26	0.91	0.41	2.23	4.98
Received a subsidized loan	35.48	0.90	0.40	2.22	4.93
Received an unsubsidized loan	15.42	0.67	0.30	2.21	4.89
Received grant aid only	29.61	0.94	0.39	2.43	5.89
Married	6.45	0.35	0.21	1.70	2.87
U.S. citizen	89.10	0.53	0.26	2.01	4.05
Enrolled exclusively full-time	59.30	0.87	0.41	2.11	4.45
Lived on campus	14.22	0.61	0.29	2.07	4.30
Applied for federal financial aid	73.16	0.78	0.37	2.08	4.33
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.61	2.58
25th percentile	†	†	†	1.96	3.83
Median	†	†	†	2.08	4.31
75th percentile	†	†	†	2.22	4.92
Maximum	†	†	†	2.68	7.19

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Section B**

**Design effect tables for undergraduate students based on the CATI weights**



Table I-20.—Design effects based on the CATI weights for all undergraduate students

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	8.27	0.26	0.15	1.76	3.09
Worked while in school	80.32	0.39	0.21	1.85	3.43
Worked 20 or more hours per week while in school	66.09	0.49	0.25	1.94	3.77
Worked multiple jobs in 1999-2000	21.39	0.33	0.22	1.49	2.23
Principal job in 1999-2000 related to major	33.56	0.44	0.26	1.68	2.83
Born outside the U.S.	11.58	0.41	0.18	2.30	5.29
Registered to vote	80.65	0.38	0.23	1.68	2.81
Voted in the 2000 elections	75.73	0.43	0.25	1.74	3.02
Has a disability	9.28	0.24	0.16	1.53	2.36
Attended more than one institution in 1999-2000	6.19	0.16	0.13	1.29	1.66
Has dependents other than a spouse	27.38	0.49	0.24	2.07	4.29
Has children under 5 years old	11.90	0.31	0.17	1.80	3.25
Has children aged 5 to 12 years old	12.83	0.33	0.18	1.83	3.35
U.S. Armed Forces veteran	4.48	0.21	0.11	1.82	3.32
Received Bachelor's degree in 1999-2000	8.00	0.15	0.14	1.07	1.14
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	33.62	0.46	0.26	1.75	3.07
Ever attended a community college	73.34	0.48	0.24	1.95	3.80
Did community service during 1999-2000	34.65	0.44	0.26	1.67	2.79
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.07	1.14
25th percentile	†	†	†	1.67	2.79
Median	†	†	†	1.75	3.08
75th percentile	†	†	†	1.85	3.43
Maximum	†	†	†	2.30	5.29

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999-2000 (NPSAS:2000).

Table I-21.—Design effects based on the CATI weights for male undergraduate students

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	8.81	0.40	0.24	1.68	2.83
Worked while in school	81.40	0.54	0.33	1.66	2.74
Worked 20 or more hours per week while in school	68.39	0.66	0.39	1.67	2.79
Worked multiple jobs in 1999-2000	21.02	0.50	0.34	1.45	2.10
Principal job in 1999-2000 related to major	33.36	0.66	0.41	1.60	2.57
Born outside the U.S.	12.45	0.54	0.29	1.88	3.53
Registered to vote	81.28	0.55	0.35	1.56	2.44
Voted in the 2000 elections	75.38	0.64	0.39	1.64	2.68
Has a disability	8.74	0.38	0.24	1.58	2.50
Attended more than one institution in 1999-2000	5.67	0.22	0.19	1.12	1.26
Has dependents other than a spouse	21.66	0.60	0.34	1.74	3.03
Has children under 5 years old	10.49	0.43	0.26	1.65	2.74
Has children aged 5 to 12 years old	9.89	0.39	0.25	1.55	2.39
U.S. Armed Forces veteran	8.45	0.41	0.24	1.72	2.96
Received Bachelor's degree in 1999-2000	7.77	0.22	0.22	0.97	0.93
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	25.67	0.65	0.38	1.69	2.87
Ever attended a community college	71.83	0.60	0.39	1.54	2.36
Did community service during 1999-2000	31.73	0.62	0.41	1.51	2.28
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.97	0.93
25th percentile	†	†	†	1.54	2.36
Median	†	†	†	1.62	2.63
75th percentile	†	†	†	1.68	2.83
Maximum	†	†	†	1.88	3.53

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).



Table I-22.—Design effects based on the CATI weights for female undergraduate students

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	7.86	0.27	0.18	1.48	2.19
Worked while in school	79.48	0.46	0.28	1.64	2.69
Worked 20 or more hours per week while in school	64.33	0.57	0.33	1.71	2.91
Worked multiple jobs in 1999-2000	21.67	0.41	0.28	1.45	2.11
Principal job in 1999-2000 related to major	33.71	0.54	0.34	1.59	2.54
Born outside the U.S.	10.91	0.49	0.22	2.21	4.88
Registered to vote	80.17	0.46	0.29	1.55	2.39
Voted in the 2000 elections	75.99	0.47	0.32	1.47	2.17
Has a disability	9.71	0.32	0.20	1.58	2.51
Attended more than one institution in 1999-2000	6.59	0.20	0.17	1.17	1.37
Has dependents other than a spouse	31.81	0.58	0.32	1.82	3.30
Has children under 5 years old	12.98	0.40	0.23	1.69	2.87
Has children aged 5 to 12 years old	15.10	0.43	0.25	1.72	2.96
U.S. Armed Forces veteran	1.45	0.13	0.08	1.49	2.22
Received Bachelor's degree in 1999-2000	8.19	0.18	0.19	0.96	0.92
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	39.72	0.53	0.35	1.51	2.28
Ever attended a community college	74.51	0.58	0.31	1.84	3.40
Did community service during 1999-2000	36.90	0.55	0.35	1.59	2.54
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.96	0.92
25th percentile	†	†	†	1.48	2.19
Median	†	†	†	1.59	2.53
75th percentile	†	†	†	1.71	2.91
Maximum	†	†	†	2.21	4.88

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999-2000 (NPSAS:2000).

**Table I-23.—Design effects based on the CATI weights for students at less-than-2-year institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	2.70	0.57	0.28	2.03	4.14
Worked while in school	67.07	1.99	0.82	2.41	5.83
Worked 20 or more hours per week while in school	59.77	2.12	0.86	2.46	6.05
Worked multiple jobs in 1999-2000	15.78	1.44	0.64	2.25	5.08
Principal job in 1999-2000 related to major	21.29	1.97	0.75	2.61	6.84
Born outside the U.S.	15.89	2.41	0.67	3.59	12.89
Registered to vote	73.33	1.30	0.85	1.52	2.32
Voted in the 2000 elections	65.50	1.98	0.94	2.12	4.48
Has a disability	12.52	0.85	0.58	1.46	2.12
Attended more than one institution in 1999-2000	3.75	0.37	0.33	1.12	1.25
Has dependents other than a spouse	51.92	2.00	0.86	2.32	5.38
Has children under 5 years old	28.19	1.39	0.80	1.74	3.02
Has children aged 5 to 12 years old	25.64	1.48	0.78	1.90	3.62
U.S. Armed Forces veteran	6.33	1.10	0.44	2.51	6.32
Received Bachelor's degree in 1999-2000	0.15	0.08	0.07	1.15	1.33
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	68.23	1.51	0.87	1.74	3.01
Ever attended a community college	53.61	3.20	0.92	3.48	12.08
Did community service during 1999-2000	15.82	1.71	0.68	2.51	6.28
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.12	1.25
25th percentile	†	†	†	1.74	3.01
Median	†	†	†	2.18	4.78
75th percentile	†	†	†	2.51	6.28
Maximum	†	†	†	3.59	12.89

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999-2000 (NPSAS:2000).

**Table I-24.—Design effects based on the CATI weights for undergraduate students at public 2-year institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	9.52	0.43	0.38	1.13	1.28
Worked while in school	84.21	0.67	0.48	1.39	1.95
Worked 20 or more hours per week while in school	77.64	0.75	0.55	1.38	1.89
Worked multiple jobs in 1999-2000	19.37	0.58	0.52	1.12	1.26
Principal job in 1999-2000 related to major	35.37	0.81	0.64	1.26	1.59
Born outside the U.S.	12.93	0.76	0.45	1.70	2.88
Registered to vote	79.77	0.68	0.56	1.22	1.48
Voted in the 2000 elections	77.61	0.77	0.59	1.31	1.72
Has a disability	10.57	0.45	0.40	1.11	1.22
Attended more than one institution in 1999-2000	7.23	0.32	0.34	0.95	0.90
Has dependents other than a spouse	35.31	0.90	0.62	1.44	2.09
Has children under 5 years old	14.78	0.58	0.47	1.24	1.54
Has children aged 5 to 12 years old	16.94	0.63	0.50	1.28	1.63
U.S. Armed Forces veteran	5.99	0.41	0.32	1.27	1.62
Received Bachelor's degree in 1999-2000	0.49	0.08	0.09	0.84	0.71
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	28.51	0.75	0.61	1.22	1.49
Ever attended a community college	100.00	0.00	0.00	#	#
Did community service during 1999-2000	28.62	0.74	0.61	1.21	1.46
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.84	0.71
25th percentile	†	†	†	1.13	1.28
Median	†	†	†	1.24	1.54
75th percentile	†	†	†	1.31	1.72
Maximum	†	†	†	1.70	2.88

# The design effect is undefined because the estimate is 100.00.

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-25.—Design effects based on the CATI weights for undergraduate students at 4-year non-doctoral/first-professional institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	9.67	0.68	0.29	2.34	5.48
Worked while in school	80.12	0.78	0.39	1.98	3.93
Worked 20 or more hours per week while in school	59.40	1.13	0.48	2.33	5.44
Worked multiple jobs in 1999-2000	23.02	0.64	0.41	1.56	2.43
Principal job in 1999-2000 related to major	35.03	0.70	0.49	1.43	2.05
Born outside the U.S.	9.10	0.70	0.29	2.39	5.70
Registered to vote	80.95	0.72	0.41	1.75	3.06
Voted in the 2000 elections	75.33	0.85	0.46	1.86	3.45
Has a disability	8.39	0.37	0.27	1.34	1.80
Attended more than one institution in 1999-2000	5.22	0.24	0.22	1.11	1.23
Has dependents other than a spouse	23.41	0.94	0.41	2.28	5.21
Has children under 5 years old	9.99	0.57	0.30	1.94	3.75
Has children aged 5 to 12 years old	10.82	0.56	0.31	1.83	3.35
U.S. Armed Forces veteran	3.63	0.34	0.19	1.80	3.25
Received Bachelor's degree in 1999-2000	14.40	0.47	0.34	1.37	1.87
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	37.20	0.88	0.50	1.77	3.12
Ever attended a community college	49.75	1.07	0.51	2.09	4.37
Did community service during 1999-2000	41.17	0.76	0.51	1.50	2.25
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.11	1.23
25th percentile	†	†	†	1.50	2.25
Median	†	†	†	1.82	3.30
75th percentile	†	†	†	2.09	4.37
Maximum	†	†	†	2.39	5.70

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999-2000 (NPSAS:2000).

**Table I-26.—Design effects based on the CATI weights for undergraduate students at 4-year doctoral/first-professional institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	5.97	0.28	0.20	1.37	1.87
Worked while in school	75.30	0.53	0.37	1.43	2.04
Worked 20 or more hours per week while in school	51.84	0.63	0.43	1.46	2.12
Worked multiple jobs in 1999-2000	23.78	0.46	0.36	1.25	1.57
Principal job in 1999-2000 related to major	31.04	0.53	0.41	1.29	1.67
Born outside the U.S.	10.73	0.40	0.27	1.47	2.16
Registered to vote	83.35	0.50	0.34	1.48	2.20
Voted in the 2000 elections	75.02	0.53	0.40	1.33	1.77
Has a disability	7.25	0.28	0.22	1.25	1.56
Attended more than one institution in 1999-2000	5.76	0.19	0.20	0.94	0.89
Has dependents other than a spouse	13.18	0.38	0.29	1.30	1.70
Has children under 5 years old	5.75	0.26	0.20	1.30	1.70
Has children aged 5 to 12 years old	5.76	0.27	0.20	1.33	1.78
U.S. Armed Forces veteran	2.16	0.15	0.13	1.14	1.31
Received Bachelor's degree in 1999-2000	17.18	0.25	0.32	0.78	0.60
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	34.15	0.54	0.42	1.28	1.63
Ever attended a community college	45.19	0.65	0.44	1.47	2.16
Did community service during 1999-2000	43.37	0.52	0.44	1.18	1.39
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.78	0.60
25th percentile	†	†	†	1.25	1.56
Median	†	†	†	1.30	1.70
75th percentile	†	†	†	1.43	2.04
Maximum	†	†	†	1.48	2.20

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999-2000 (NPSAS:2000).

**Table I-27.—Design effects based on the CATI weights for undergraduate students at public 4-year non-doctoral/first-professional institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	7.15	0.73	0.34	2.15	4.61
Worked while in school	80.07	1.12	0.53	2.13	4.55
Worked 20 or more hours per week while in school	63.20	1.62	0.64	2.53	6.39
Worked multiple jobs in 1999-2000	23.35	0.82	0.56	1.46	2.14
Principal job in 1999-2000 related to major	32.42	0.80	0.64	1.25	1.57
Born outside the U.S.	10.48	1.12	0.42	2.68	7.19
Registered to vote	80.40	0.99	0.56	1.77	3.12
Voted in the 2000 elections	74.05	1.19	0.62	1.91	3.65
Has a disability	8.19	0.46	0.36	1.27	1.62
Attended more than one institution in 1999-2000	5.02	0.36	0.29	1.26	1.58
Has dependents other than a spouse	23.15	1.25	0.55	2.26	5.11
Has children under 5 years old	10.23	0.80	0.40	1.99	3.95
Has children aged 5 to 12 years old	10.47	0.72	0.41	1.78	3.17
U.S. Armed Forces veteran	3.22	0.38	0.24	1.60	2.57
Received Bachelor's degree in 1999-2000	12.42	0.55	0.43	1.27	1.60
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	32.25	1.38	0.64	2.16	4.65
Ever attended a community college	50.35	1.39	0.68	2.04	4.15
Did community service during 1999-2000	36.97	0.88	0.66	1.33	1.76
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.25	1.57
25th percentile	†	†	†	1.33	1.76
Median	†	†	†	1.85	3.41
75th percentile	†	†	†	2.15	4.61
Maximum	†	†	†	2.68	7.19

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-28.—Design effects based on the CATI weights for undergraduate students at public 4-year doctoral/first-professional institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	5.33	0.31	0.22	1.41	2.00
Worked while in school	75.88	0.61	0.42	1.47	2.15
Worked 20 or more hours per week while in school	54.35	0.70	0.49	1.43	2.06
Worked multiple jobs in 1999-2000	23.48	0.50	0.41	1.21	1.47
Principal job in 1999-2000 related to major	30.70	0.59	0.47	1.27	1.61
Born outside the U.S.	10.12	0.47	0.31	1.52	2.32
Registered to vote	83.55	0.57	0.39	1.47	2.15
Voted in the 2000 elections	74.93	0.59	0.46	1.30	1.70
Has a disability	7.53	0.32	0.26	1.23	1.52
Attended more than one institution in 1999-2000	5.90	0.20	0.23	0.88	0.78
Has dependents other than a spouse	13.55	0.41	0.33	1.22	1.50
Has children under 5 years old	6.04	0.30	0.23	1.29	1.65
Has children aged 5 to 12 years old	5.93	0.29	0.23	1.25	1.57
U.S. Armed Forces veteran	2.39	0.17	0.15	1.13	1.28
Received Bachelor's degree in 1999-2000	16.64	0.28	0.36	0.77	0.60
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	31.03	0.59	0.47	1.26	1.58
Ever attended a community college	47.79	0.73	0.51	1.43	2.06
Did community service during 1999-2000	41.25	0.56	0.50	1.12	1.25
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.77	0.60
25th percentile	†	†	†	1.21	1.47
Median	†	†	†	1.26	1.60
75th percentile	†	†	†	1.43	2.06
Maximum	†	†	†	1.52	2.32

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999-2000 (NPSAS:2000).

**Table I-29.—Design effects based on the CATI weights for undergraduate students at private not-for-profit 4-year non-doctoral/first-professional institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	13.06	1.20	0.49	2.45	6.00
Worked while in school	80.18	1.01	0.58	1.73	2.99
Worked 20 or more hours per week while in school	54.29	1.56	0.73	2.13	4.53
Worked multiple jobs in 1999-2000	22.57	1.04	0.61	1.70	2.89
Principal job in 1999-2000 related to major	38.74	1.22	0.75	1.62	2.62
Born outside the U.S.	7.13	0.65	0.40	1.63	2.67
Registered to vote	81.72	1.03	0.61	1.70	2.89
Voted in the 2000 elections	77.15	1.13	0.67	1.69	2.87
Has a disability	8.65	0.59	0.41	1.43	2.04
Attended more than one institution in 1999-2000	5.50	0.29	0.33	0.86	0.75
Has dependents other than a spouse	23.75	1.44	0.62	2.31	5.36
Has children under 5 years old	9.67	0.80	0.43	1.83	3.36
Has children aged 5 to 12 years old	11.28	0.88	0.47	1.89	3.59
U.S. Armed Forces veteran	4.18	0.59	0.30	1.98	3.93
Received Bachelor's degree in 1999-2000	17.06	0.76	0.55	1.39	1.92
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	44.26	1.11	0.77	1.44	2.07
Ever attended a community college	48.90	1.68	0.77	2.19	4.78
Did community service during 1999-2000	47.16	1.36	0.77	1.76	3.10
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.86	0.75
25th percentile	†	†	†	1.62	2.62
Median	†	†	†	1.71	2.94
75th percentile	†	†	†	1.98	3.93
Maximum	†	†	†	2.45	6.00

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999-2000 (NPSAS:2000).



**Table I-30.—Design effects based on the CATI weights for undergraduate students at private not-for-profit 4-year doctoral/first-professional institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	8.28	0.61	0.48	1.27	1.60
Worked while in school	73.20	0.99	0.78	1.27	1.62
Worked 20 or more hours per week while in school	42.72	1.41	0.88	1.60	2.57
Worked multiple jobs in 1999-2000	24.89	1.07	0.76	1.40	1.97
Principal job in 1999-2000 related to major	32.32	1.18	0.86	1.37	1.89
Born outside the U.S.	12.99	0.78	0.62	1.26	1.59
Registered to vote	82.57	1.11	0.72	1.54	2.37
Voted in the 2000 elections	75.34	1.18	0.82	1.44	2.07
Has a disability	6.20	0.55	0.43	1.29	1.67
Attended more than one institution in 1999-2000	5.25	0.46	0.39	1.18	1.39
Has dependents other than a spouse	11.81	0.90	0.57	1.60	2.56
Has children under 5 years old	4.70	0.51	0.37	1.37	1.89
Has children aged 5 to 12 years old	5.14	0.64	0.39	1.64	2.70
U.S. Armed Forces veteran	1.32	0.24	0.21	1.18	1.39
Received Bachelor's degree in 1999-2000	19.13	0.55	0.69	0.79	0.63
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	45.82	1.22	0.92	1.33	1.76
Ever attended a community college	35.55	1.43	0.88	1.63	2.67
Did community service during 1999-2000	51.26	1.32	0.92	1.43	2.06
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.79	0.63
25th percentile	†	†	†	1.27	1.60
Median	†	†	†	1.37	1.89
75th percentile	†	†	†	1.54	2.37
Maximum	†	†	†	1.64	2.70

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999-2000 (NPSAS:2000).

**Table I-31.—Design effects based on the CATI weights for undergraduate students at private for-profit institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	4.02	0.65	0.33	1.99	3.94
Worked while in school	74.58	1.76	0.73	2.41	5.80
Worked 20 or more hours per week while in school	67.12	1.99	0.79	2.53	6.39
Worked multiple jobs in 1999-2000	20.99	1.44	0.68	2.10	4.43
Principal job in 1999-2000 related to major	24.94	1.54	0.76	2.04	4.16
Born outside the U.S.	13.52	1.70	0.60	2.85	8.15
Registered to vote	74.05	1.06	0.80	1.32	1.75
Voted in the 2000 elections	64.89	1.85	0.89	2.08	4.34
Has a disability	11.96	0.93	0.55	1.71	2.92
Attended more than one institution in 1999-2000	3.65	0.44	0.31	1.42	2.03
Has dependents other than a spouse	44.65	2.24	0.82	2.72	7.40
Has children under 5 years old	25.39	1.56	0.74	2.11	4.47
Has children aged 5 to 12 years old	19.99	1.16	0.68	1.71	2.92
U.S. Armed Forces veteran	6.45	0.77	0.42	1.85	3.41
Received Bachelor's degree in 1999-2000	2.40	0.40	0.25	1.56	2.44
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	57.66	1.61	0.88	1.83	3.37
Ever attended a community college	75.28	1.63	0.75	2.16	4.67
Did community service during 1999-2000	18.62	1.46	0.69	2.13	4.52
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.32	1.75
25th percentile	†	†	†	1.71	2.92
Median	†	†	†	2.06	4.25
75th percentile	†	†	†	2.16	4.67
Maximum	†	†	†	2.85	8.15

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999-2000 (NPSAS:2000).

**Table I-32.—Design effects based on the CATI weights for dependent undergraduate students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	3.31	0.20	0.13	1.52	2.32
Worked while in school	78.07	0.50	0.30	1.67	2.80
Worked 20 or more hours per week while in school	56.44	0.66	0.36	1.82	3.33
Worked multiple jobs in 1999-2000	25.66	0.48	0.32	1.52	2.30
Principal job in 1999-2000 related to major	25.08	0.46	0.33	1.40	1.96
Born outside the U.S.	9.81	0.45	0.22	2.03	4.13
Registered to vote	76.22	0.51	0.33	1.55	2.41
Voted in the 2000 elections	71.55	0.56	0.35	1.58	2.48
Has a disability	6.71	0.25	0.18	1.37	1.89
Attended more than one institution in 1999-2000	7.04	0.22	0.18	1.17	1.36
Has dependents other than a spouse	†	†	†	†	†
Has children under 5 years old	†	†	†	†	†
Has children aged 5 to 12 years old	†	†	†	†	†
U.S. Armed Forces veteran	0.34	0.08	0.04	1.96	3.84
Received Bachelor's degree in 1999-2000	8.99	0.21	0.21	1.04	1.08
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	36.45	0.58	0.36	1.60	2.55
Ever attended a community college	59.66	0.75	0.37	2.02	4.08
Did community service during 1999-2000	35.63	0.55	0.36	1.53	2.34
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.04	1.08
25th percentile	†	†	†	1.40	1.96
Median	†	†	†	1.55	2.41
75th percentile	†	†	†	1.82	3.33
Maximum	†	†	†	2.03	4.13

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-33.—Design effects based on the CATI weights for independent undergraduate students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	13.37	0.43	0.27	1.63	2.66
Worked while in school	82.62	0.54	0.30	1.83	3.34
Worked 20 or more hours per week while in school	75.99	0.60	0.34	1.78	3.17
Worked multiple jobs in 1999-2000	17.00	0.40	0.30	1.35	1.83
Principal job in 1999-2000 related to major	42.23	0.71	0.40	1.75	3.07
Born outside the U.S.	13.39	0.53	0.28	1.90	3.59
Registered to vote	85.20	0.47	0.30	1.55	2.40
Voted in the 2000 elections	80.02	0.54	0.34	1.57	2.46
Has a disability	11.94	0.40	0.26	1.56	2.44
Attended more than one institution in 1999-2000	5.32	0.19	0.18	1.06	1.13
Has dependents other than a spouse	55.53	0.69	0.39	1.78	3.17
Has children under 5 years old	24.65	0.57	0.34	1.66	2.75
Has children aged 5 to 12 years old	26.58	0.55	0.35	1.55	2.41
U.S. Armed Forces veteran	8.85	0.40	0.23	1.73	2.98
Received Bachelor's degree in 1999-2000	6.99	0.21	0.20	1.03	1.06
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	30.73	0.64	0.38	1.68	2.81
Ever attended a community college	87.32	0.39	0.27	1.43	2.04
Did community service during 1999-2000	33.66	0.62	0.39	1.60	2.55
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.03	1.06
25th percentile	†	†	†	1.55	2.40
Median	†	†	†	1.61	2.60
75th percentile	†	†	†	1.75	3.07
Maximum	†	†	†	1.90	3.59

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-34.—Design effects based on the CATI weights for white non-Hispanic undergraduate students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	9.34	0.32	0.18	1.75	3.05
Worked while in school	81.68	0.39	0.25	1.58	2.50
Worked 20 or more hours per week while in school	66.32	0.56	0.30	1.85	3.43
Worked multiple jobs in 1999-2000	22.57	0.37	0.27	1.38	1.91
Principal job in 1999-2000 related to major	34.46	0.51	0.31	1.62	2.63
Born outside the U.S.	3.76	0.24	0.12	1.90	3.62
Registered to vote	81.38	0.41	0.26	1.58	2.49
Voted in the 2000 elections	76.75	0.48	0.28	1.72	2.95
Has a disability	9.83	0.29	0.19	1.55	2.41
Attended more than one institution in 1999-2000	6.23	0.19	0.15	1.22	1.48
Has dependents other than a spouse	24.05	0.55	0.27	2.03	4.11
Has children under 5 years old	9.87	0.33	0.19	1.72	2.97
Has children aged 5 to 12 years old	11.25	0.37	0.20	1.83	3.36
U.S. Armed Forces veteran	4.79	0.24	0.14	1.73	2.98
Received Bachelor's degree in 1999-2000	8.88	0.21	0.18	1.15	1.32
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	29.67	0.45	0.30	1.50	2.25
Ever attended a community college	71.66	0.61	0.30	2.08	4.32
Did community service during 1999-2000	35.97	0.49	0.32	1.55	2.42
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.15	1.32
25th percentile	†	†	†	1.55	2.41
Median	†	†	†	1.67	2.79
75th percentile	†	†	†	1.83	3.36
Maximum	†	†	†	2.08	4.32

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-35.—Design effects based on the CATI weights for black non-Hispanic undergraduate students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	7.31	0.59	0.41	1.46	2.12
Worked while in school	81.10	1.31	0.62	2.12	4.49
Worked 20 or more hours per week while in school	69.88	1.52	0.73	2.10	4.41
Worked multiple jobs in 1999-2000	20.89	1.02	0.64	1.59	2.52
Principal job in 1999-2000 related to major	32.07	1.22	0.75	1.63	2.67
Born outside the U.S.	10.75	0.94	0.49	1.91	3.63
Registered to vote	85.41	0.81	0.59	1.38	1.90
Voted in the 2000 elections	77.72	1.20	0.70	1.72	2.96
Has a disability	8.71	0.57	0.45	1.27	1.62
Attended more than one institution in 1999-2000	5.91	0.44	0.37	1.20	1.44
Has dependents other than a spouse	45.27	1.31	0.78	1.69	2.84
Has children under 5 years old	21.39	0.94	0.65	1.44	2.07
Has children aged 5 to 12 years old	22.72	1.02	0.67	1.52	2.31
U.S. Armed Forces veteran	4.86	0.52	0.35	1.49	2.23
Received Bachelor's degree in 1999-2000	5.31	0.37	0.35	1.06	1.11
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	41.98	1.15	0.80	1.44	2.07
Ever attended a community college	74.94	1.86	0.69	2.68	7.20
Did community service during 1999-2000	32.92	1.16	0.76	1.53	2.33
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.06	1.11
25th percentile	†	†	†	1.44	2.07
Median	†	†	†	1.52	2.32
75th percentile	†	†	†	1.72	2.96
Maximum	†	†	†	2.68	7.20

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999-2000 (NPSAS:2000).

**Table I-36.—Design effects based on the CATI weights for Asian undergraduate students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	3.86	0.67	0.46	1.45	2.10
Worked while in school	67.18	1.90	1.14	1.67	2.78
Worked 20 or more hours per week while in school	48.49	1.84	1.22	1.52	2.30
Worked multiple jobs in 1999-2000	16.25	1.29	0.89	1.44	2.07
Principal job in 1999-2000 related to major	27.75	1.44	1.11	1.29	1.67
Born outside the U.S.	68.79	1.65	1.15	1.44	2.07
Registered to vote	66.69	1.82	1.49	1.22	1.50
Voted in the 2000 elections	58.40	2.05	1.58	1.30	1.68
Has a disability	4.48	0.76	0.50	1.50	2.26
Attended more than one institution in 1999-2000	7.56	0.67	0.63	1.05	1.11
Has dependents other than a spouse	17.71	1.44	0.91	1.57	2.47
Has children under 5 years old	6.99	0.92	0.62	1.48	2.19
Has children aged 5 to 12 years old	8.02	0.97	0.66	1.47	2.17
U.S. Armed Forces veteran	1.24	0.53	0.28	1.87	3.49
Received Bachelor's degree in 1999-2000	8.99	0.56	0.69	0.82	0.68
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	49.26	2.10	1.26	1.67	2.81
Ever attended a community college	74.16	1.55	1.09	1.43	2.04
Did community service during 1999-2000	32.49	1.74	1.17	1.48	2.20
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.82	0.68
25th percentile	†	†	†	1.30	1.68
Median	†	†	†	1.46	2.13
75th percentile	†	†	†	1.52	2.30
Maximum	†	†	†	1.87	3.49

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999-2000 (NPSAS:2000).

**Table I-37.—Design effects based on the CATI weights for Hispanic undergraduate students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	5.76	0.58	0.37	1.56	2.44
Worked while in school	78.78	1.21	0.66	1.84	3.37
Worked 20 or more hours per week while in school	69.39	1.36	0.75	1.81	3.28
Worked multiple jobs in 1999-2000	17.94	1.00	0.62	1.61	2.59
Principal job in 1999-2000 related to major	32.85	1.20	0.84	1.43	2.04
Born outside the U.S.	24.78	1.30	0.77	1.69	2.84
Registered to vote	74.33	1.51	0.84	1.81	3.27
Voted in the 2000 elections	71.58	1.39	0.91	1.53	2.35
Has a disability	8.00	0.61	0.44	1.38	1.91
Attended more than one institution in 1999-2000	5.07	0.38	0.35	1.07	1.13
Has dependents other than a spouse	32.85	1.19	0.75	1.58	2.48
Has children under 5 years old	16.56	1.02	0.61	1.67	2.80
Has children aged 5 to 12 years old	14.27	0.90	0.57	1.57	2.47
U.S. Armed Forces veteran	3.63	0.51	0.31	1.62	2.63
Received Bachelor's degree in 1999-2000	5.61	0.38	0.37	1.02	1.03
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	39.72	1.23	0.88	1.39	1.93
Ever attended a community college	79.26	1.56	0.72	2.16	4.65
Did community service during 1999-2000	29.93	1.37	0.82	1.66	2.76
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.02	1.03
25th percentile	†	†	†	1.43	2.04
Median	†	†	†	1.59	2.54
75th percentile	†	†	†	1.69	2.84
Maximum	†	†	†	2.16	4.65

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).



**Table I-38.—Design effects based on the CATI weights for low-income undergraduate students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	2.70	0.26	0.17	1.58	2.51
Worked while in school	76.63	0.75	0.44	1.72	2.95
Worked 20 or more hours per week while in school	60.38	0.82	0.51	1.62	2.63
Worked multiple jobs in 1999-2000	23.46	0.70	0.44	1.60	2.57
Principal job in 1999-2000 related to major	26.14	0.70	0.47	1.47	2.17
Born outside the U.S.	16.64	0.82	0.40	2.04	4.15
Registered to vote	77.49	0.71	0.47	1.49	2.21
Voted in the 2000 elections	71.04	0.78	0.52	1.48	2.19
Has a disability	11.55	0.46	0.33	1.40	1.95
Attended more than one institution in 1999-2000	6.11	0.28	0.24	1.13	1.28
Has dependents other than a spouse	23.00	0.69	0.43	1.61	2.60
Has children under 5 years old	12.98	0.51	0.35	1.47	2.15
Has children aged 5 to 12 years old	8.58	0.50	0.29	1.70	2.89
U.S. Armed Forces veteran	2.88	0.29	0.17	1.66	2.77
Received Bachelor's degree in 1999-2000	8.21	0.29	0.28	1.02	1.05
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	37.88	0.89	0.53	1.70	2.88
Ever attended a community college	72.83	0.86	0.48	1.79	3.21
Did community service during 1999-2000	30.69	0.75	0.50	1.50	2.25
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.02	1.05
25th percentile	†	†	†	1.47	2.17
Median	†	†	†	1.59	2.54
75th percentile	†	†	†	1.70	2.88
Maximum	†	†	†	2.04	4.15

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).



**Section C**

**Design effect tables for graduate students (excluding first-professional students)  
based on the study weights**

---



Table I-39.—Design effects based on the study weights for all graduate students

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	56.12	0.67	0.48	1.40	1.96
Received any federal aid	23.55	0.67	0.41	1.64	2.68
Received any non-federal aid	44.94	0.66	0.48	1.38	1.90
Received any state grant aid	2.27	0.20	0.14	1.41	2.00
Received any institution grant aid	19.55	0.58	0.38	1.51	2.27
Received any aid from other sources	22.69	0.62	0.41	1.54	2.36
Received any grant aid	37.30	0.66	0.47	1.41	1.99
Received any loan aid	24.03	0.67	0.41	1.63	2.64
Received any work-study aid	1.64	0.18	0.12	1.50	2.25
Received any other type of aid	14.08	0.48	0.34	1.43	2.04
Received any assistantship	12.34	0.46	0.32	1.45	2.10
Received a Stafford loan	22.84	0.66	0.41	1.63	2.65
Received a subsidized loan	20.54	0.62	0.39	1.58	2.51
Received an unsubsidized loan	16.98	0.63	0.36	1.72	2.96
Received grant aid only	21.70	0.57	0.40	1.43	2.05
Married	45.55	0.72	0.48	1.49	2.23
U.S. citizen	87.00	0.53	0.33	1.62	2.63
Enrolled exclusively full-time	35.19	0.76	0.46	1.65	2.72
Lived on campus	6.05	0.37	0.23	1.61	2.58
Applied for federal financial aid	28.24	0.73	0.44	1.66	2.77
SUMMARY STATISTICS					
Minimum	†	†	†	1.38	1.90
25th percentile	†	†	†	1.43	2.04
Median	†	†	†	1.52	2.32
75th percentile	†	†	†	1.63	2.64
Maximum	†	†	†	1.72	2.96

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-40.—Design effects based on the study weights for graduate students at public 4-year institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	53.54	0.89	0.64	1.41	1.99
Received any federal aid	20.10	0.73	0.51	1.44	2.06
Received any non-federal aid	44.62	0.87	0.63	1.37	1.88
Received any state grant aid	3.03	0.32	0.22	1.45	2.09
Received any institution grant aid	19.93	0.65	0.51	1.27	1.62
Received any aid from other sources	19.63	0.73	0.51	1.45	2.11
Received any grant aid	36.07	0.85	0.61	1.40	1.95
Received any loan aid	20.25	0.71	0.51	1.39	1.94
Received any work-study aid	1.34	0.14	0.15	0.97	0.94
Received any other type of aid	17.33	0.66	0.48	1.37	1.88
Received any assistantship	15.72	0.63	0.46	1.36	1.86
Received a Stafford loan	19.37	0.70	0.50	1.39	1.95
Received a subsidized loan	17.33	0.66	0.48	1.38	1.90
Received an unsubsidized loan	12.89	0.63	0.43	1.49	2.21
Received grant aid only	20.47	0.76	0.51	1.47	2.17
Married	45.39	0.89	0.63	1.41	1.98
U.S. citizen	87.10	0.62	0.43	1.46	2.12
Enrolled exclusively full-time	33.67	0.82	0.60	1.36	1.85
Lived on campus	5.46	0.34	0.29	1.19	1.41
Applied for federal financial aid	24.62	0.84	0.55	1.53	2.34
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.97	0.94
25th percentile	†	†	†	1.37	1.87
Median	†	†	†	1.40	1.95
75th percentile	†	†	†	1.45	2.10
Maximum	†	†	†	1.53	2.34

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-41.—Design effects based on the study weights for graduate students at private not-for-profit 4-year institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	60.66	1.05	0.77	1.37	1.87
Received any federal aid	28.14	1.25	0.70	1.77	3.15
Received any non-federal aid	47.20	1.10	0.78	1.40	1.96
Received any state grant aid	1.15	0.19	0.17	1.11	1.23
Received any institution grant aid	20.65	1.08	0.63	1.70	2.88
Received any aid from other sources	27.35	1.13	0.70	1.62	2.63
Received any grant aid	40.51	1.12	0.77	1.45	2.11
Received any loan aid	29.07	1.29	0.71	1.81	3.29
Received any work-study aid	2.16	0.41	0.23	1.82	3.30
Received any other type of aid	10.10	0.70	0.47	1.47	2.17
Received any assistantship	8.24	0.69	0.43	1.60	2.56
Received a Stafford loan	27.53	1.25	0.70	1.79	3.21
Received a subsidized loan	24.93	1.19	0.68	1.76	3.10
Received an unsubsidized loan	22.20	1.21	0.65	1.85	3.43
Received grant aid only	24.29	0.92	0.67	1.38	1.89
Married	45.32	1.25	0.78	1.60	2.55
U.S. citizen	86.82	0.92	0.53	1.74	3.01
Enrolled exclusively full-time	36.42	1.36	0.75	1.80	3.24
Lived on campus	7.37	0.81	0.41	1.97	3.88
Applied for federal financial aid	33.12	1.25	0.74	1.70	2.88
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.11	1.23
25th percentile	†	†	†	1.46	2.14
Median	†	†	†	1.70	2.88
75th percentile	†	†	†	1.80	3.22
Maximum	†	†	†	1.97	3.88

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).





**Section D**

**Design effect tables for graduate students (excluding first-professional students)  
based on the CATI weights**

---

Table I-42.—Design effects based on the CATI weights for all graduate students

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	21.94	0.76	0.46	1.65	2.71
Worked while in school	84.99	0.49	0.40	1.23	1.50
Worked 20 or more hours per week while in school	76.18	0.71	0.48	1.47	2.17
Worked multiple jobs in 1999-2000	17.76	0.57	0.43	1.33	1.77
Principal job in 1999-2000 related to major	68.65	0.71	0.53	1.34	1.79
Employed as a teacher.	32.83	0.91	0.52	1.73	3.00
Born outside the U.S.	17.80	0.66	0.44	1.50	2.26
Registered to vote	93.01	0.41	0.32	1.30	1.69
Voted in the 1999 elections (or planned to)	88.78	0.49	0.39	1.24	1.53
Has a disability	6.42	0.38	0.28	1.39	1.92
Attended more than one institution in 1999-2000	3.84	0.24	0.21	1.12	1.26
Has dependents other than spouse	38.06	0.81	0.54	1.49	2.23
Has children under 5 years old	15.15	0.53	0.40	1.31	1.72
Has children aged 5 to 12 years old	15.47	0.60	0.41	1.47	2.17
U.S. Armed Forces veteran	4.26	0.30	0.25	1.21	1.46
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	24.73	0.59	0.50	1.18	1.39
Ever attended a community college	46.56	0.85	0.57	1.48	2.18
Did community service during 1999-2000	44.66	0.78	0.58	1.36	1.86
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.12	1.26
25th percentile	†	†	†	1.24	1.53
Median	†	†	†	1.35	1.82
75th percentile	†	†	†	1.48	2.18
Maximum	†	†	†	1.73	3.00

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-43.—Design effects based on the CATI weights for graduate students at public 4-year institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	19.36	0.99	0.58	1.71	2.92
Worked while in school	84.57	0.59	0.53	1.12	1.25
Worked 20 or more hours per week while in school	76.23	0.78	0.63	1.24	1.53
Worked multiple jobs in 1999-2000	18.57	0.80	0.57	1.41	1.98
Principal job in 1999-2000 related to major	68.97	0.93	0.70	1.33	1.77
Employed as a teacher.	37.20	1.14	0.71	1.61	2.60
Born outside the U.S.	17.19	0.77	0.57	1.35	1.83
Registered to vote	93.39	0.54	0.41	1.33	1.77
Voted in the 1999 elections (or planned to)	89.67	0.65	0.50	1.30	1.68
Has a disability	6.40	0.45	0.36	1.24	1.53
Attended more than one institution in 1999-2000	3.60	0.32	0.27	1.16	1.34
Has dependents other than spouse	37.84	1.00	0.71	1.42	2.00
Has children under 5 years old	15.20	0.69	0.53	1.30	1.69
Has children aged 5 to 12 years old	15.33	0.78	0.53	1.47	2.16
U.S. Armed Forces veteran	3.87	0.37	0.30	1.22	1.50
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	21.65	0.72	0.62	1.15	1.32
Ever attended a community college	44.35	1.13	0.75	1.51	2.27
Did community service during 1999-2000	44.84	0.92	0.75	1.22	1.49
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	1.12	1.25
25th percentile	†	†	†	1.22	1.50
Median	†	†	†	1.31	1.73
75th percentile	†	†	†	1.42	2.00
Maximum	†	†	†	1.71	2.92

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999-2000 (NPSAS:2000).

**Table I-44.—Design effects based on the study weights for graduate students at private not-for-profit 4-year institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	25.81	1.18	0.79	1.49	2.23
Worked while in school	84.99	0.82	0.65	1.26	1.59
Worked 20 or more hours per week while in school	75.44	1.15	0.79	1.45	2.10
Worked multiple jobs in 1999-2000	16.05	0.79	0.67	1.18	1.39
Principal job in 1999-2000 related to major	68.19	1.13	0.87	1.29	1.67
Employed as a teacher.	28.06	1.46	0.81	1.79	3.22
Born outside the U.S.	19.00	1.20	0.73	1.63	2.66
Registered to vote	92.44	0.65	0.53	1.23	1.52
Voted in the 1999 elections (or planned to)	88.34	0.77	0.65	1.18	1.40
Has a disability	5.70	0.50	0.42	1.19	1.41
Attended more than one institution in 1999-2000	3.32	0.28	0.32	0.87	0.76
Has dependents other than spouse	39.00	1.32	0.88	1.49	2.23
Has children under 5 years old	15.73	0.92	0.67	1.37	1.88
Has children aged 5 to 12 years old	15.90	0.96	0.67	1.44	2.07
U.S. Armed Forces veteran	4.12	0.49	0.39	1.25	1.57
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	28.52	1.00	0.85	1.17	1.38
Ever attended a community college	45.76	1.28	0.93	1.37	1.88
Did community service during 1999-2000	45.03	1.47	0.94	1.57	2.46
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.87	0.76
25th percentile	†	†	†	1.19	1.41
Median	†	†	†	1.33	1.78
75th percentile	†	†	†	1.49	2.23
Maximum	†	†	†	1.79	3.22

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Section E**

**Design effect tables for first-professional students based on the study weights**



Table I-45.—Design effects based on the study weights for all first-professional students

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	85.60	1.13	1.01	1.12	1.25
Received any federal aid	74.35	2.08	1.26	1.65	2.73
Received any non-federal aid	57.52	2.26	1.43	1.59	2.51
Received any state grant aid	7.59	1.37	0.76	1.79	3.21
Received any institution grant aid	31.68	2.36	1.34	1.76	3.10
Received any aid from other sources	28.16	1.91	1.30	1.47	2.17
Received any grant aid	44.06	2.26	1.43	1.58	2.48
Received any loan aid	75.68	1.88	1.24	1.52	2.30
Received any work-study aid	7.38	1.63	0.76	2.15	4.64
Received any other type of aid	8.84	0.99	0.82	1.21	1.46
Received any assistantship	5.94	0.78	0.68	1.15	1.32
Received a Stafford loan	73.47	2.12	1.28	1.67	2.77
Received a subsidized loan	72.05	2.17	1.30	1.68	2.81
Received an unsubsidized loan	63.10	2.30	1.39	1.65	2.72
Received grant aid only	7.05	1.42	0.74	1.92	3.69
Married	26.07	2.19	1.27	1.73	2.98
U.S. citizen	93.13	0.86	0.73	1.18	1.38
Enrolled exclusively full-time	84.03	2.00	1.06	1.89	3.56
Lived on campus	12.70	2.08	0.96	2.16	4.68
Applied for federal financial aid	77.27	2.01	1.21	1.66	2.76
SUMMARY STATISTICS					
Minimum	†	†	†	1.12	1.25
25th percentile	†	†	†	1.49	2.24
Median	†	†	†	1.66	2.74
75th percentile	†	†	†	1.78	3.15
Maximum	†	†	†	2.16	4.68

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-46.—Design effects based on the study weights for first-professional students at public 4-year institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	86.72	1.49	1.56	0.96	0.91
Received any federal aid	77.70	2.08	1.91	1.09	1.19
Received any non-federal aid	55.58	2.80	2.28	1.23	1.51
Received any state grant aid	10.90	2.30	1.43	1.61	2.59
Received any institution grant aid	29.22	2.32	2.09	1.11	1.24
Received any aid from other sources	22.90	2.18	1.93	1.13	1.28
Received any grant aid	43.85	2.67	2.28	1.17	1.37
Received any loan aid	78.92	2.07	1.87	1.11	1.22
Received any work-study aid	5.00	1.21	1.00	1.21	1.47
Received any other type of aid	11.14	2.00	1.44	1.38	1.92
Received any assistantship	6.52	1.46	1.13	1.29	1.67
Received a Stafford loan	77.23	2.03	1.92	1.06	1.12
Received a subsidized loan	76.18	2.10	1.95	1.07	1.15
Received an unsubsidized loan	62.30	2.51	2.22	1.13	1.28
Received grant aid only	4.22	0.99	0.92	1.07	1.15
Married	22.22	2.04	1.91	1.07	1.15
U.S. citizen	92.77	1.48	1.19	1.25	1.56
Enrolled exclusively full-time	87.40	1.75	1.52	1.15	1.32
Lived on campus	6.96	1.20	1.17	1.03	1.06
Applied for federal financial aid	80.77	1.92	1.81	1.06	1.13
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.96	0.91
25th percentile	†	†	†	1.07	1.15
Median	†	†	†	1.12	1.26
75th percentile	†	†	†	1.22	1.49
Maximum	†	†	†	1.61	2.59

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).



**Table I-47.—Design effects based on the study weights for first-professional students at private not-for-profit 4-year institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any aid	85.73	1.50	1.30	1.15	1.33
Received any federal aid	72.96	3.19	1.66	1.93	3.72
Received any non-federal aid	59.45	3.36	1.83	1.83	3.36
Received any state grant aid	5.34	1.68	0.84	2.00	4.00
Received any institution grant aid	33.84	3.72	1.76	2.11	4.45
Received any aid from other sources	32.06	2.91	1.74	1.67	2.80
Received any grant aid	44.59	3.39	1.85	1.83	3.35
Received any loan aid	74.38	2.80	1.63	1.72	2.96
Received any work-study aid	9.16	2.62	1.07	2.44	5.95
Received any other type of aid	7.33	0.93	0.97	0.96	0.93
Received any assistantship	5.61	0.86	0.86	1.00	1.00
Received a Stafford loan	71.78	3.29	1.68	1.96	3.86
Received a subsidized loan	70.07	3.38	1.71	1.98	3.91
Received an unsubsidized loan	64.50	3.49	1.78	1.96	3.84
Received grant aid only	8.94	2.34	1.06	2.20	4.83
Married	28.39	3.50	1.68	2.08	4.34
U.S. citizen	93.28	1.04	0.93	1.12	1.25
Enrolled exclusively full-time	82.21	3.15	1.43	2.21	4.88
Lived on campus	16.36	3.29	1.38	2.38	5.68
Applied for federal financial aid	75.81	3.08	1.60	1.93	3.72
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.96	0.93
25th percentile	†	†	†	1.70	2.88
Median	†	†	†	1.94	3.78
75th percentile	†	†	†	2.10	4.39
Maximum	†	†	†	2.44	5.95

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).



**Section F**

**Design effect tables for first-professional students based on the CATI weights**



**Table I-48.—Design effects based on the CATI weights for all first-professional students**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	4.56	0.90	0.69	1.30	1.70
Worked while in school	51.01	3.04	1.66	1.83	3.35
Worked 20 or more hours per week while in school	25.68	2.82	1.46	1.93	3.74
Worked multiple jobs in 1999-2000	12.47	1.28	1.10	1.17	1.36
Principal job in 1999-2000 related to major	32.05	2.79	1.61	1.74	3.02
Employed as a teacher.	4.73	0.66	0.70	0.95	0.90
Born outside the U.S.	13.56	1.51	1.18	1.28	1.65
Registered to vote	91.03	1.15	1.02	1.13	1.29
Voted in the 1999 elections (or planned to)	78.19	1.95	1.48	1.32	1.75
Has a disability	4.03	0.68	0.65	1.04	1.09
Attended more than one institution in 1999-2000	1.64	0.32	0.42	0.78	0.60
Has dependents other than spouse	18.98	1.96	1.29	1.52	2.30
Has children under 5 years old	10.62	1.30	1.03	1.27	1.61
Has children aged 5 to 12 years old	7.77	1.17	0.89	1.31	1.70
U.S. Armed Forces veteran	4.20	0.82	0.68	1.20	1.44
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	36.33	2.12	1.67	1.27	1.62
Ever attended a community college	41.27	2.39	1.70	1.41	1.99
Did community service during 1999-2000	50.63	2.25	1.73	1.30	1.70
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.78	0.60
25th percentile	†	†	†	1.17	1.36
Median	†	†	†	1.29	1.67
75th percentile	†	†	†	1.41	1.99
Maximum	†	†	†	1.93	3.74

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

**Table I-49.—Design effects based on the CATI weights for first-professional students at public 4-year institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	2.94	1.05	0.87	1.21	1.46
Worked while in school	44.06	2.63	2.56	1.03	1.05
Worked 20 or more hours per week while in school	17.66	2.00	1.98	1.01	1.02
Worked multiple jobs in 1999-2000	11.19	1.76	1.63	1.08	1.17
Principal job in 1999-2000 related to major	31.86	2.54	2.49	1.02	1.04
Employed as a teacher.	4.35	1.08	1.05	1.03	1.07
Born outside the U.S.	15.00	2.78	1.91	1.45	2.12
Registered to vote	92.33	1.58	1.48	1.07	1.15
Voted in the 1999 elections (or planned to)	77.81	2.26	2.32	0.97	0.95
Has a disability	3.68	1.02	0.97	1.05	1.09
Attended more than one institution in 1999-2000	1.57	0.46	0.64	0.72	0.52
Has dependents other than spouse	18.16	2.37	1.98	1.20	1.44
Has children under 5 years old	10.85	2.09	1.60	1.31	1.70
Has children aged 5 to 12 years old	7.99	1.56	1.40	1.12	1.25
U.S. Armed Forces veteran	4.94	1.48	1.14	1.29	1.68
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	31.92	2.80	2.51	1.12	1.24
Ever attended a community college	40.44	3.48	2.63	1.32	1.75
Did community service during 1999-2000	49.17	2.80	2.69	1.04	1.09
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.72	0.52
25th percentile	†	†	†	1.03	1.05
Median	†	†	†	1.08	1.16
75th percentile	†	†	†	1.21	1.46
Maximum	†	†	†	1.45	2.12

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999-2000 (NPSAS:2000).

**Table I-50.—Design effects based on the CATI weights for first-professional students at private not-for-profit 4-year institutions**

	Percent estimate	Design standard error	Simple random sample standard error	DEFT	DEFF
Received any employer aid	5.60	1.36	0.99	1.37	1.89
Worked while in school	55.65	5.04	2.16	2.33	5.43
Worked 20 or more hours per week while in school	30.80	4.71	2.02	2.33	5.44
Worked multiple jobs in 1999-2000	13.51	1.83	1.49	1.23	1.51
Principal job in 1999-2000 related to major	32.32	4.51	2.11	2.14	4.59
Employed as a teacher.	5.08	0.85	0.95	0.90	0.81
Born outside the U.S.	12.66	1.67	1.50	1.11	1.24
Registered to vote	90.06	1.61	1.39	1.16	1.35
Voted in the 1999 elections (or planned to)	78.41	2.96	1.92	1.54	2.38
Has a disability	4.32	0.93	0.88	1.05	1.10
Attended more than one institution in 1999-2000	1.49	0.41	0.52	0.78	0.61
Has dependents other than spouse	19.05	2.91	1.70	1.72	2.94
Has children under 5 years old	10.32	1.65	1.33	1.24	1.54
Has children aged 5 to 12 years old	6.80	1.53	1.10	1.39	1.92
U.S. Armed Forces veteran	3.46	0.91	0.82	1.11	1.23
Considered crime rate, graduation rate, or job placement rate when deciding which school to attend	39.63	3.04	2.21	1.37	1.88
Ever attended a community college	41.20	3.23	2.22	1.46	2.12
Did community service during 1999-2000	51.59	3.31	2.26	1.46	2.13
<b>SUMMARY STATISTICS</b>					
Minimum	†	†	†	0.78	0.61
25th percentile	†	†	†	1.11	1.24
Median	†	†	†	1.37	1.89
75th percentile	†	†	†	1.54	2.38
Maximum	†	†	†	2.33	5.44

† Not Applicable

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000).

