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NATIONAL EDUCATION LONGITUDINAL SURVEY (NELS): REPORT FOR COMPUTATION OF BALANCED REPEATED REPLICATE (BRR) WEIGHTS FOR THE THIRD (NELS88:1994) AND FOURTH (NELS88:2000) FOLLOW-UP SURVEYS

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Objectives of Project

The objectives of this project were to construct two sets of balanced repeated replication (BRR) weights for two National Education Longitudinal Study of 1988 (NELS:88) sets of weights: one based on the third follow-up survey done in 1994 (NELS88:94); and the second based on the fourth follow-up survey done in 2000 (NELS88:2000). These weights are described below.

- *F3QWT*: This weight applies to all members of the third follow-up sample who completed an interview in 1994, regardless of their participation status in previous rounds. When used with the appropriate sample flags, it allows projections to the following populations:
 - Spring 1988 8th graders eligible to complete questionnaires in 1992 and 1994, regardless of 1988 eligibility;
 - Spring 1990 10th graders eligible to complete questionnaires in 1992 and 1994, regardless of 1988 eligibility and 1990 participation; and
 - Spring 1992 12th graders eligible to complete questionnaires in 1992 and 1994, regardless of 1988 and 1990 eligibility and 1992 participation.
- *F4PNLWT*: This panel weight applies to sample members who completed questionnaires in all five rounds of NELS:88 and were in school in the spring of 1988. It can be used to make projections to the population of spring 1988 8th graders.

BACKGROUND

BRR weights are used primarily for variance estimation and are based on a set of procedures that utilize a balanced set of pseudo-replicates. This method is often used when variances are needed for medians and other quantiles because of concern that such variances might not be appropriate when computed using Taylor series linearization or other methods such as the jackknife procedure.

The BRR variance estimation process involves modeling the design as if it were a two-primary sampling unit (PSU)-per-stratum design. Variances are then calculated using a random group type of variance estimation procedure, with a balanced set of replicates as the groups. Balancing is done by creating replicates using an orthogonal matrix and allowing the use of less than the full set of 2^L possible replicates, where L is the number of analysis strata. The methodology was developed by McCarthy (1969) for use with the National Health Examination Surveys, the predecessors of the National Health and Nutrition Surveys. Those earlier surveys employed a highly stratified sample design with only two PSUs per stratum and lent themselves naturally to BRR estimation procedures.

Many surveys, however, are based on a relatively small number of strata, each containing many PSUs per stratum, and do not lend themselves naturally to use of BRR methods of variance estimation. The NELS:88 surveys, with only 28 strata and many PSUs per stratum, fall into that category. For surveys such as NELS:88 to employ BRR estimation, one has to construct *pseudo-strata*, generally by

subdivision of the original strata, and construct *pseudo-PSUs* by merging the original PSUs into two groups.

METHODS

The following strategies and methods were used in constructing BRR weights for the two NELS:88 weights.

- 1. *Close conformity with original* design. BRR variance estimation works best if the BRR replicates capture as closely as possible the features of the original design. The NELS:88 original design features include stratification of U.S. schools on the basis of region (Northeast/North Central/ South/West), and type (public/private/parochial). The primary sampling units are schools that were selected with probability proportional to the expected number of 8th graders in 1988; the second stage units are students within schools (approximately 24–26 per sample school). In constructing pseudo-strata and pseudo-PSUs for the replication process, we attempted to follow as closely as possible the original stratification, probability proportional to size sampling, and any implicit stratification in the selection of the schools.
- 2. *Homogeneity across pseudo-strata with respect to the number of PSUs contained within each pseudo-PSU*. To avoid problems in estimation of degrees of freedom, it is important that the number of original PSUs and the number of persons sampled be approximately the same for each of the two pseudo-PSUs composing the pseudo-stratum. To the extent feasible, we constructed the pseudo-PSUs with this in mind.
- 3. Construction of BRR weights based on a Hadamard matrix that is neither too large nor too small. General RTI guidelines on construction of BRR replicates call for variances to be estimated on the basis of a Hadamard matrix consisting of at least 40 and preferably 50 or more pseudo-strata. This is based on the fact that the stability of BRR variance estimates generally is higher if they are based on relatively large Hadamard matrices. However, this is often at the cost of increased computer time necessary to construct the weights and the estimates. While it would be possible to construct a matrix for these data based on approximately 50 pseudo-strata, the resulting pseudo-replicates for the F4PNLWT would be based on an average of approximately 121 respondents per pseudoreplicate (and those for the F3QWT on only a slightly larger number). That might result in difficulties in producing estimates for relatively sparse subgroups. In deciding the number of pseudo-strata to be used, we took both subgroup analysis and computing difficulty into consideration as discussed in the next section.
- 4. *Construction and calibration of replicate weights.* Once the number of pseudo-strata were decided upon and pseudo-PSUs were constructed, initial BRR design weights were determined. These BRR design weights for each replicate then underwent a nonresponse adjustment process and a calibration process, similar to the processes by which F3QWT and F4PNLWT were produced. Both nonresponse adjustment and calibration processes use an iterative computation algorithm. Thus, construction of these BRR weights and the resulting variance estimates were a very intense activity computationally.

While the general procedures were the same for both sets of weights, there were differences between them in the actual groupings used for nonresponse adjustment and for calibration to known totals. This might be expected since the F3QWT is a cross-sectional weight appropriate for the third (1994) follow-up, and the F4PNLWT is a longitudinal weight constructed for the fourth

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(2000) follow-up survey. Also, there was a change in contractor between the third and fourth follow-up surveys. While the present contractor did not construct the F3QWT, we used the same control classes as the original contractor in constructing the BRR weights for this weight, since it is generally recommended that the control classes used in the nonresponse adjustment and calibration steps for BRR weights be the same as those used for the parent weights from which they are derived (Wolter 1985; Westat 2002).

However, when we were constructing the weights for the fourth follow-up survey including the F4PNLWT, we had the chance to change the control variables slightly to better capture the response characteristics for this somewhat smaller survey. These control variables were then used in the construction of the BRR weights for the F4PNLWT. In addition, an expanded weight was created using STAT8_10 and STAT10_12 (eligibility status for dropout rate calculation) along with other variables, and this expanded weight was used to calibrate third follow-up weights. Owing to lack of detailed information, we were unable to create an expanded weight for fourth follow-up weights. Instead, we added these two variables to the control variables in the rake step of the fourth follow-up weights in an effort to capture some of the information in the expanded weight. Thus, in keeping with our practice of using similar procedures for the BRR weights as is done for the parent weights, these two variables were also inherited by the raking step used in construction of the F4PNLWT.

- 5. *Performance of quality control (QC) checks.* These checks were done routinely throughout the process of constructing and testing BRR weights, and involved such items as ensuring that the Hadamard matrix was orthogonal, performing standard weighting checks, and running SUDAAN to compare BRR variance estimates with those obtained using linearization for a few variables.
- 6. *Specific choice of pseudo-strata and pseudo-PSUs*. Both the third and fourth follow-up surveys used the same stratification (28 strata based on region and type of school). There were 1,012 PSUs and 12,144 total respondents for the fourth follow-up, and 1,013 PSUs and 13,822 total respondents for the third follow-up as listed on the NELS Public Use CD-ROMs for these surveys (table 1). The fourth follow-up survey, for example, contains an average of approximately 36 PSUs per stratum, with range from 1 to 149 PSUs per stratum. This considerable diversity among strata with respect to number of PSUs logically entailed construction of pseudo-strata by collapsing the large strata and concatenating the small strata. In doing this, we preserved regions and, as much as feasible, type of school.

It was anticipated that considerable analyses will be performed on both the third and fourth followup surveys for which the BRR weights were to be constructed. With this in mind and after considerable consultation with NCES, we decided for the F4PNLWT and F3QWT to use BRR weights obtained from 39 pseudo-strata, with each pseudo-stratum containing 2 pseudo-PSUs. This choice was based on the fact that it could use a Hadamard matrix of size 40, which meets minimum specifications and is still small enough to be efficient in terms of computation time required.

To do this and preserve the original stratification classes as much as feasible, we partitioned the large strata and grouped the smaller strata as shown in table 2 (for the fourth follow-up). This resulted in a set of pseudo-strata averaging approximately 26 PSUs and 311 respondents per pseudo-stratum. As can be seen in table 2, this process results in remarkably little variability among the 39 pseudo-strata in number of PSUs and number of respondents per pseudo-stratum.

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Within each pseudo-stratum, we constructed two pseudo-PSUs in such a way that we preserved as much as feasible the original design of the survey. Since the PSUs (schools) were chosen originally with probability proportional to the expected number of 8th graders in 1988, we ordered the PSUs according to this measure of size (which reflects the original first stage sampling weight before calibration). From this ordered set of PSUs we grouped all those with odd numbers into one pseudo-PSU, and all those with even numbers into the other pseudo-PSU. This gave us our final grouping into 39 pseudo-strata, each having 2 pseudo-PSUs.

7. *Obtaining the BRR replicate weights*. Since there are 39 pseudo-strata, we obtained a balanced set of 40 replicates using a Hadamard matrix of size 40 in the usual way. For each replication, the BRR weight was constructed by running the BRR design weights through nonresponse adjustment, and calibration raking procedures. This was done through a set of procedures known as the Generalized Exponential Model (GEM) (c.f., Folsom and Singh 2000). Detailed specifications for the construction of BRR weights from the original weights are shown in appendixes 1–3.

RESULTS

Comparison of Estimated BRR Standard Errors With Those Computed by Linearization

Table 3 compares for selected variables the estimated F3QWT-BRR standard errors with those obtained from linearization and with those obtained ignoring any design effects using simple random sampling. Table 4 shows the same comparisons for the F4QWT-BRR standard errors. The most meaningful evaluation of the utility of the face validity of the BRR variance estimators would be the percentage difference between the estimated coefficient of variation of the point estimate based on linearization and that based on BRR variance estimation. For both BRR estimated variances, we see that for the variables selected, the BRR standard errors differ very little from the linearization standard errors in terms of their effect on estimating the coefficient of variation of the point estimators.

		Follow-up 3 (1994)		Follow-up 4 (2000)								
Strata	Number of PSUs	Number of respondents	Respondents per PSU	Number of PSUs	Number of respondents	Respondents per PSU						
1	4	55	13.75	4	44	11						
2	8	88	11.00	8	75	9.38						
6	11	105	9.55	11	95	8.64						
7	149	2,204	14.79	149	1,817	12.19						
8	16	166	10.38	16	135	8.44						
14	18	298	16.56	18	258	14.33						
24	56	850	15.18	56	675	12.05						
25	109	1,768	16.22	109	1,346	12.35						
26	11	99	9.00	11	92	8.36						
29	16	204	12.75	16	174	10.88						
34	6	54	9.00	5	41	8.2						
45	115	1,874	16.30	114	1,465	12.85						
46	20	322	16.10	20	279	13.95						
47	8	94	11.75	8	83	10.38						
52	3	14	4.67	3	11	3.67						
54	23	234	10.17	23	210	9.13						
57	4	87	21.75	4	76	19						
62	12	103	8.58	12	91	7.58						
68	133	1,994	14.99	133	1,535	11.54						
69	7	81	11.57	7	73	10.43						
70	10	110	11.00	10	91	9.1						
71	1	12	12.00	1	12	12						
72	136	1,972	14.50	135	1,662	12.31						
77	54	900	16.67	54	743	13.76						
78	58	954	16.45	58	825	14.22						
79	8	137	17.13	8	117	14.63						
84	10	52	5.20	10	48	4.8						
91	9	84	9.33	9	71	7.89						
Total	1,015	14,915	14.69	1,012	12,144	12						

Table 1. Stratification used in NELS:88 follow-up 3 and 4

Table 2.	Pseudo-strata and pseudo-PSUs used in constructing BRR weights (follow-up 4, year 2000)
----------	---

Pseudo- strata	Original strata	Region	Number of PSUs		Number of sc	chools by type		Number of respondents per pseudo- stratum
	Included in			DUI		Other	Private	(Year 2000
1	pseudo-stratum	NE	20	Public	Catholic	religious	nonreligious	Tollow-up)
1 2	1,8,34,09	NE	32	0	32	0	0	340
3	20,84	NE	21	0	0	2	19	149
۵ ۵	2,71	NE	28	1	0	7	1	97 415
5	72	NE	20	28	0	0	0	3/9
6	72	NE	27	27	0	0	0	349
7	72	NE	27	27	0	0	0	407
8	72	NE	27	27	0	0	0	371
9	14.46	NE.NC	38	0	38	0	0	613
10	6.62	NE.NC	23	0	0	12	11	207
11	7	NC	25	25	0	0	0	340
12	7	NC	25	25	0	0	0	365
13	7	NC	25	25	0	0	0	340
14	7	NC	25	25	0	0	0	348
15	7	NC	25	25	0	0	0	337
16	7	NC	24	24	0	0	0	371
17	78	NC	29	29	0	0	0	439
18	78	NC	29	29	0	0	0	498
19	47,79	South	16	16	0	0	0	222
20	29,54	South	39	0	1	17	21	438
21	24	South	28	28	0	0	0	412
22	24	South	28	28	0	0	0	355
23	25	South	28	28	0	0	0	407
24	25	South	27	27	0	0	0	369
25	25	South	27	27	0	0	0	377
26	25	South	27	27	0	0	0	386
27	68	South	27	27	0	0	0	328
28	68	South	27	27	0	0	0	346
29	68	South	27	27	0	0	0	382
30	68	South	26	26	0	0	0	341
31	68	South	26	26	0	0	0	358
32	52,57,91,70	West	26	0	7	13	6	290
33	77	West	27	27	0	0	0	426
34	77	West	27	27	0	0	0	405
35	45	West	23	23	0	0	0	333
36	45	West	23	23	0	0	0	371
37	45	West	23	23	0	0	0	391
38	45	West	23	23	0	0	0	310
39	45	West	22	22	0	0	0	339
Total	-	-	1,013	826	78	51	58	13,955

Table 3.Comparison of estimated standard errors for select NELS88:94 variables based on
linearization, on BRR replication using BRR weights constructed from the F3QWT,
and on SRS (ignoring design)

				DESIGN	N_SE	Percent	
Labol	Variable	Point	Number			difference in	CDC CE
Label	variable	estimate	Nulliber	F3QWT	BRR	coefficient of	SNO SE
						variation	
Postsecondary entrance exams - SAT	PPOSTEX1	41.903	14,889	0.859	0.673	0.24	0.404
Respondent has children of his/her own	CHILDREN	16.344	14,891	0.607	0.406	1.18	0.303
Importance of being able to find steady							
work	STDYWORK	89.610	14,847	0.412	0.430	0.02	0.250
Experienced death in family	DEATH	45.937	14,827	0.614	0.594	0.04	0.409
Respondent reports watching more than							
2 hours of TV per weekday	TVWATCH	58.999	14,842	0.648	0.609	0.02	0.404
Current marital status is married	MARSTAT	9.351	14,907	0.395	0.301	0.95	0.238
Number valid PSE institutions reported							
through 1994	F3PSENUM	0.748	14,915	0.011	0.007	0.34	0.006
How many times married	NUMARIED	0.109	14,908	0.005	0.004	5.72	0.003
Number children born to respondent	NUMCHILD	0.212	14,891	0.009	0.006	1.75	0.004
Number of jobs during period-#1	NUMJOBS1	1.186	14,879	0.013	0.011	0.11	0.008

Table 4.Comparison of estimated standard errors for select NELS88:2000 variables based on
linearization, on BRR replication using BRR weights constructed from the F4PNLWT,
and on SRS (ignoring design)

				SRS	S SE	Percent	
Label	Variable	Point	Number			difference in	SRS SF
Luber	Variable	estimate	Tumber			coefficient of	SILE SE
				F4PNLWT	BRR	variation	
How many times did respondent cut/skip							
classes	F2S9B	4.52	9,725	0.567	0.465	2.26	0.211
PSE: Number valid PSE institutions							
report	F3PSENUM	0.79	10,827	0.013	0.011	0.25	0.007
Participate in adult education	F4FAEQRY	87.63	10,641	0.532	0.519	0.01	0.319
Marital status in 2000	F4GMRS	39.02	10,792	0.807	0.760	0.12	0.470
Total num ber of dependents	F4GNDP	0.70	10,781	0.021	0.018	0.43	0.010
Income of respondent in 1999	F4HI99	24483.56	9,971	268.03	235.30	0.13	191.120
Registered to vote	F4IRVOTE	78.98	10,582	0.682	0.637	0.06	0.396
Use of cigarettes	F4ISMOKE	26.46	10,614	0.761	0.616	0.55	0.428
Hispanic origin	F4JHISP	11.59	10,614	0.864	0.552	2.69	0.311
Diversity in present neighborhood	F4JRDVB	66.74	10,434	0.526	0.469	0.08	0.2934

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REFERENCES

- Folsom, R.E., Jr., and Singh, A.C. (2000). A Generalized Exponential Model for Sampling Weight Calibration for a Unified Approach to Nonresponse, Poststratification, and Extreme Weight Adjustments. Proceedings of the American Statistical Association, Section on Survey Research Methods, pp. 598-603.
- McCarthy, P.J. (1969). Pseudo-Replication: Half Samples. *Review of the International Statistical Institute*, *37*: 239.

Wolter, K.M. (1985). Introduction to Variance Estimation. New York: Springer-Verlag.

WesVar 4.2 User's Guide (2002). Rockville, MD: Westat.

APPENDIX 1

WEIGHTING SPECIFICATIONS OF BRR WEIGHTS FOR THIRD FOLLOW-UP

Appendix 1

Weighting Specifications of BRR Weights for Third Follow-Up

1. Create 39 pseudo-strata and 2 pseudo-PSUs per pseudo-stratum as mentioned in BRR weights for fourth follow-up (Steps 1 and 2, appendix 4).

2. Use positive F3RAWWT in the 39 pseudo-strata to generate 40 replicates.

- a. Get 40*40 Hadamard matrix which is in Appendix 2.
- b. Drop last column in Hadamard matrix to match 39 pseudo-strata.
- c. Transpose reduced matrix for first PSU and create a complement matrix for second PSU. Combine transposed and complement matrix together.
- d. Assign stratum and PSUs randomly to the combined matrix created above to avoid any pre-specified stratified design assumption.
- e. For each replicate, if the element in the combined matrix is 1, then this replicate weight is double of F3RAWWT, else is 0.
- 3. NR adjustment using GEM on each replicate, with the following variables as control.
 - a. $BY_STAT(2, 4)$
 - b. FU1_STAT (1-3, 41,42, 43, 5,7,8)
 - c. FU2_STAT (1-3,7)
 - d. F2RACE1 (re-categorize to 3 categories as Hispanic, API, other),
 - e. F2SEX.

Collapse over FU2_STAT if necessary: 2->1 first, 3->1 if additional collapsing is needed. Use LASTDISP in (80, 81) to define response category. Units with positive F3RAWWT not defined as respondents are nonrespondents.

- 4. Calculate target margins from F3QWT:
 - 1. FU1_CAT (1, 2, 3. F1 STATUS IS FROM FU1_STAT, 1=1-4, 2=5,7,8, 3=41-43)
 - 2. FU2_STAT (1, 2, 3, 7)
 - 3. FU3_STAT (1-4)
 - 4. RACE_SEX
 - 5. BYCLAS3 (BY REGION)
 - 6. BYCLAS4 (BY SCHOOL TYPE)
 - 7. URBAN (BY SCHOOL URBAN)

See Appendix 3 for the definition of these variables.

5. Rake each NR adjusted replicate weights produced by Step 3 using GEM and the above margins.

APPENDIX 2

HADAMARD MATRIX USED TO CONSTRUCT BRR WEIGHTS

Appendix 2

Hadamard Matrix Used to Construct BRR Weights

-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+
+	-	-	+	+	+	+	-	+	-	+	-	-	-	-	+	+	-	+	+	+	-	-	+	+	+	+	-	+	-	+	-	-	-	-	+	+	-	+	+
-	-	+	+	+	+	-	+	-	+	-	-	-	-	+	+	-	+	+	+	-	-	+	+	+	+	-	+	-	+	-	-	-	-	+	+	-	+	+	+
-	+	+	+	+	1	+	1	+	-	1	1	-	+	+	1	+	+	1	+	I	+	+	+	+	-	+	1	+	1	-	1	1	+	+	-	+	+	-	+
+	+	+	+	-	+	I	+	I	-	1	-	+	+	1	+	+	1	1	+	+	+	+	+	1	+	-	+	-	-	-	-	+	+	1	+	+	1	-	+
+	+	+	I	+	1	+	1	-	-	1	+	+	-	+	+	1	1	+	+	+	+	+	-	+	-	+	1	-	1	-	+	+	-	+	+	I	I	+	+
+	+	-	+	-	+	1	-	1	-	+	+	-	+	+	-	-	+	+	+	+	+	1	+	1	+	-	-	-	1	+	+	-	+	+	-	1	+	+	+
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APPENDIX 3

VARIABLES USED FOR CALIBRATION OF WEIGHTS

Appendix 3

Variables Used for Calibration of Weights

BY_STAT BY status from F2 subgroup definition

2	BY eligible
4	BY ineligible

FU1_STAT F1 status

1	Dropout
2	In school, in 10 th grade
3	In school, not in 10 th grade
41	Ineligible, in school, in 10 th grade
42	Ineligible, in school, not in 10 th grade
43	Ineligible, not in school
5	Dead or out of country
7	F1 freshened, in school
8	F1 freshened, ineligible

FU2_STAT F2 status

1	Dropout
2	In school, in 10 th grade
3	In school, not in 10 th grade
7	F1 freshened, in school

FU3_STAT F3 status

1	Eligible, received high school diploma
2	Eligible, received GED or certificate of attendance
3	Eligible, currently pursuing diploma or equivalent
4	Eligible, did not receive diploma or equivalent and is not
	pursuing one

F2RACE1

Race

1	Asian, Pacific Islander
2	Black, not Hispanic
3	Hispanic
4	White, not Hispanic
5	American Indian, Alaska
8	Missing

Appendix 3

F2SEX Gender

1	Male
2	Female

BYCLAS3 Region of BY school

1	Northeast
2	North Central
3	South
4	West

BYCLAS4 School sector type of the student's eighth grade school

1	Public
2	Catholic
3	Private, other religion
4	Private, non-religion

URBAN

Urbanicity of the student's eighth grade school

1	Urban
2	Suburban
3	Rural

RACE_SEX Combined F2RACE1 and F2SEX

11	API male
12	API female
21	Hispanic male
22	Hispanic female
31	Black male
32	Black female
41	White male
42	White female
51	Native American male
52	Native American female
81	Unknown race, male
82	Unknown race, female

APPENDIX 4

WEIGHTING SPECIFICATIONS OF BRR WEIGHTS FOR FOURTH FOLLOW-UP FULL PANEL WEIGHT

Appendix 4

Weighting Specifications of BRR Weights for Fourth Follow-Up Full Panel Weight

F4 full panel BRR weight

- 1. Create 39 pseudo-strata. The file "...\jean\rep39_revised.xls" indicates the method.
 - a. If the number of PSU in the stratum is too small, we will collapse them based on region and school type. "...\jean\programs\stratpsuchk.lst" is the tabulation table for each stratum vs. school type and region.
 - b. If the number of PSU's in the stratum is too large, we will break it down based on the average of school design weight for each PSU.

SCHWT=F2CXTWT_RAW/F2RAWWT

AVEWT=(n1*SCHWT1+n2*SCHWT2)/(n1+n2)

Where n1 is the number of respondents in the school with design weight SCHWT1, n2 is the number of respondents in the school with design weight SCHWT2. Sort PSUs in the stratum by AVEWT. Sequentially assign group number.

- 2. After creating pseudo-strata, sort PSUs in each pseudo-strata by AVEWT and sequentially assign 1 and 2 to form 2 PSUs in each pseudo-strata.
- 3. Use F4RAWWT_0705 and 39 pseudo-strata to generate 40 replicates.
 - a. Get 40*40 Hadamard matrix which is in appendix 2.
 - b. Drop last column in Hadamard matrix to match 39 pseudo-strata.
 - c. Transpose reduced matrix for first PSU and create a complement matrix for second PSU. Combine transposed and complement matrix together.
 - d. Assign stratum and PSUs randomly to the combined matrix created above to avoid any prespecified stratified design assumption.
 - e. For each replicate, if the element in the combined matrix is 1, then this replicate weight is double of **F4RAWWT_0705**, else is 0.
- 4. Nonresponse adjustment
 - a. Use the criteria below to define the response.

If LASTDISP in (80,81) and COMPF2PN=1 then presponse=1 else presponse=0. If responder=0 or (responder=1 and presponse=0) then RESP=0 else RESP=1

b. Use the variable below to control adjustment

NEWRACE F2SEX G8CTRL

23

23

- Appendix 4
- 5. Poststratification
 - a. Calculate control totals for race, gender, school characteristic, and status variables using **F4PNLWT**.

The following variables will be used:

NEWRACE F2SEX BYCLAS3 BYCLAS4 URBAN STAT8_10 STAT1012 FU1_STAT FU2_STAT FU3_STAT

b. Calibrate each replicate weight generated in step 5 to F4PNLWT control totals using GEM macro.

Listing of NCES Working Papers to Date

Working papers can be downloaded as .pdf files from the NCES Electronic Catalog (<u>http://nces.ed.gov/pubsearch/</u>). You can also contact Sheilah Jupiter at (202) 502–7363 (sheilah.jupiter@ed.gov) if you are interested in any of the following papers.

Listing of NCES Working Papers by Program Area			
No.	Title	NCES contact	
D I	4		
Daccalaure	Development of a Drotational System for Accessing Linked NCES Data	Stoven Veufman	
96-15	Development of a Prototype System for Accessing Linked NCES Data	Andrew C. Maliaia	
2001–15	Methodology Report	Andrew G. Malizio	
2002–04	Improving Consistency of Response Categories Across NCES Surveys	Marilyn Seastrom	
Beginning l	Postsecondary Students (BPS) Longitudinal Study		
98–11	Beginning Postsecondary Students Longitudinal Study First Follow-up (BPS:96–98) Field	Aurora D'Amico	
	Test Report		
98-15	Development of a Prototype System for Accessing Linked NCES Data	Steven Kaufman	
1999–15	Projected Postsecondary Outcomes of 1992 High School Graduates	Aurora D'Amico	
2001-04	Beginning Postsecondary Students Longitudinal Study: 1996–2001 (BPS:1996/2001)	Paula Knepper	
	Field Test Methodology Report		
2002-04	Improving Consistency of Response Categories Across NCES Surveys	Marilyn Seastrom	
Common C	ore of Data (CCD)		
95-12	Rural Education Data User's Guide	Samuel Peng	
96-19	Assessment and Analysis of School-Level Expenditures	William J. Fowler, Jr.	
97-15	Customer Service Survey: Common Core of Data Coordinators	Lee Hoffman	
97-43	Measuring Inflation in Public School Costs	William J. Fowler, Jr.	
98-15	Development of a Prototype System for Accessing Linked NCFS Data	Steven Kaufman	
1999–03	Evaluation of the 1996–97 Nonfiscal Common Core of Data Surveys Data Collection, Processing, and Editing Cycle	Beth Young	
2000-12	Coverage Evaluation of the 1994–95 Common Core of Data: Public Elementary/Secondary School Universe Survey	Beth Young	
2000-13	Non-professional Staff in the Schools and Staffing Survey (SASS) and Common Core of Data (CCD)	Kerry Gruber	
2002-02	School Locale Codes 1987 - 2000	Frank Johnson	
Data Devel	opment		
2000–16a	Lifelong Learning NCES Task Force: Final Report Volume I	Lisa Hudson	
2000–10a 2000–16b	Lifelong Learning NCES Task Force: Final Report Volume II	Lisa Hudson	
Decennial (Census School District Project		
95-12	Rural Education Data User's Guide	Samuel Peng	
96-04	Census Mapping Project/School District Data Book	Tai Phan	
98–07	Decennial Census School District Project Planning Report	Tai Phan	
Early Child	hood Longitudinal Study (ECLS)		
96-08	How Accurate are Teacher Judgments of Students' Academic Performance?	Jerry West	
96–18	Assessment of Social Competence, Adaptive Behaviors, and Approaches to Learning with Young Children	Jerry West	
97–24	Formulating a Design for the ECLS: A Review of Longitudinal Studies	Jerry West	

97–36 Measuring the Quality of Program Environments in Head Start and Other Early Childhood Jerry West Programs: A Review and Recommendations for Future Research

No.	Title	NCES contact
1999-01	A Birth Cohort Study: Conceptual and Design Considerations and Rationale	Jerry West
2000-04	Selected Papers on Education Surveys: Papers Presented at the 1998 and 1999 ASA and 1999 AAPOR Meetings	Dan Kasprzyk
2001-02	Measuring Father Involvement in Young Children's Lives: Recommendations for a Eatherhood Module for the ECLS-B	Jerry West
2001–03	Measures of Socio-Emotional Development in Middle Childhood	Elvira Hausken
2001-06	Papers from the Early Childhood Longitudinal Studies Program: Presented at the 2001 AERA and SRCD Meetings	Jerry West
2002-05	Early Childhood Longitudinal Study-Kindergarten Class of 1998–99 (ECLS–K), Psychometric Report for Kindergarten Through First Grade	Elvira Hausken
Education I	Finance Statistics Center (EDFIN)	
94-05	Cost-of-Education Differentials Across the States	William J. Fowler, Jr.
96-19	Assessment and Analysis of School-Level Expenditures	William J. Fowler, Jr.
97–43	Measuring Inflation in Public School Costs	William J. Fowler, Jr.
98-04	Geographic Variations in Public Schools' Costs	William J. Fowler, Jr.
1999–16	Measuring Resources in Education: From Accounting to the Resource Cost Model Approach	William J. Fowler, Jr.
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Education	Longitudinal Study: 2002 (ELS: 2002)	
2003-03	Education Longitudinal Study: 2002 (ELS: 2002) Field Test Report	Jeffrey Owings
High Schoo	I and Beyond (HS&B)	G 1.D
95-12	Rural Education Data User's Guide	Samuel Peng
1999–05	Procedures Guide for Transcript Studies	Dawn Nelson
1999_06	1998 Revision of the Secondary School Taxonomy	Dawn Nelson
2002-04	Improving Consistency of Response Categories Across NCES Surveys	Marilyn Seastrom
HS Transci	ript Studies	
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1999–09g	1992 National Adult Literacy Survey: Literacy Levels and the Response Probability	Alex Sedlacek
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2000-05	Secondary Statistical Modeling With the National Assessment of Adult Literacy:	Sheida White
	Implications for the Design of the Background Questionnaire	
2000-06	Using Telephone and Mail Surveys as a Supplement or Alternative to Door-to-Door	Sheida White
2000_07	"How Much Literacy is Enough?" Issues in Defining and Penorting Performance	Shaida White
2000-07	Standards for the National Assessment of Adult Literacy	Sileida willte
2000-08	Evaluation of the 1992 NALS Background Survey Questionnaire: An Analysis of Uses	Sheida White
2000 00	With Recommendations for Revisions	Shaida White
2000-09	Accessing the Levile Framework: Development in a Decade	Sheida White
2001-08	Assessing the Lexile Framework. Results of a Faher Meeting	Marilyn Saastrom
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97_29	Can State Assessment Data be Used to Reduce State NAFP Sample Sizes?	Steven Gorman
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97–30	ACT's NAEP Redesign Project: Assessment Design is the Key to Useful and Stable Assessment Results	Steven Gorman
97–31	NAEP Reconfigured: An Integrated Redesign of the National Assessment of Educational Progress	Steven Gorman
97–32	Innovative Solutions to Intractable Large Scale Assessment (Problem 2: Background Ouestionnaires)	Steven Gorman
97-37	Optimal Rating Procedures and Methodology for NAEP Open-ended Items	Steven Gorman
97–44	Development of a SASS 1993–94 School-Level Student Achievement Subfile: Using State Assessments and State NAER Exceptibility Study	Michael Ross
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2001–07	A Comparison of the National Assessment of Educational Progress (NAEP), the Third International Mathematics and Science Study Repeat (TIMSS-R), and the Programme for International Student Assessment (PISA)	Arnold Goldstein
2001-08	Assessing the Lexile Framework: Results of a Panel Meeting	Sheida White
2001-11	Impact of Selected Background Variables on Students' NAEP Math Performance	Arnold Goldstein
2001-13	The Effects of Accommodations on the Assessment of LEP Students in NAEP	Arnold Goldstein
2001-19	The Measurement of Home Background Indicators: Cognitive Laboratory Investigations	Arnold Goldstein
	of the Responses of Fourth and Eighth Graders to Questionnaire Items and Parental Assessment of the Invasiveness of These Items	

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2002-06	The Measurement of Instructional Background Indicators: Cognitive Laboratory	Arnold Goldstein
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	Questionnaire Items	
2002–07	Teacher Quality, School Context, and Student Race/Ethnicity: Findings from the Eighth Grade National Assessment of Educational Progress 2000 Mathematics Assessment	Janis Brown
2003-06	NAEP Validity Studies: The Validity of Oral Accommodation in Testing	Patricia Dabbs
2003-07	NAEP Validity Studies: An Agenda for NAEP Validity Research	Patricia Dabbs
2003-08	NAEP Validity Studies: Improving the Information Value of Performance Items in Large Scale Assessments	Patricia Dabbs
2003-09	NAEP Validity Studies: Optimizing State NAEP: Issues and Possible Improvements	Patricia Dabbs
2003-10	A Content Comparison of the NAEP and PIRLS Fourth-Grade Reading Assessments	Marilyn Binkley
2003-11	NAEP Validity Studies: Reporting the Results of the National Assessment of Educational Progress	Patricia Dabbs
2003-12	NAEP Validity Studies: An Investigation of Why Students Do Not Respond to Questions	Patricia Dabbs
2003-13	NAEP Validity Studies: A Study of Equating in NAEP	Patricia Dabbs
2003-14	NAEP Validity Studies: Feasibility Studies of Two-Stage Testing in Large-Scale Educational Assessment: Implications for NAEP	Patricia Dabbs
2003-15	NAEP Validity Studies: Computer Use and Its Relation to Academic Achievement in Mathematics, Reading, and Writing	Patricia Dabbs
2003-16	NAEP Validity Studies: Implications of Electronic Technology for the NAEP Assessment	Patricia Dabbs
2003-17	NAEP Validity Studies: The Effects of Finite Sampling on State Assessment Sample	Patricia Dabbs
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95–04	Areas and Research Issues	Jeffrey Owings
95-05	National Education Longitudinal Study of 1988: Conducting Trend Analyses of NLS-72, HS&B, and NELS:88 Seniors	Jeffrey Owings
95–06	National Education Longitudinal Study of 1988: Conducting Cross-Cohort Comparisons Using HS&B, NAEP, and NELS:88 Academic Transcript Data	Jeffrey Owings
95–07	National Education Longitudinal Study of 1988: Conducting Trend Analyses HS&B and NELS:88 Sophomore Cohort Dropouts	Jeffrey Owings
95-12	Rural Education Data User's Guide	Samuel Peng
95–14	Empirical Evaluation of Social, Psychological, & Educational Construct Variables Used in NCES Surveys	Samuel Peng
96–03	National Education Longitudinal Study of 1988 (NELS:88) Research Framework and Issues	Jeffrey Owings
98–06	National Education Longitudinal Study of 1988 (NELS:88) Base Year through Second Follow-Up: Final Methodology Report	Ralph Lee
98–09	High School Curriculum Structure: Effects on Coursetaking and Achievement in Mathematics for High School Graduates—An Examination of Data from the National Education Longitudinal Study of 1988	Jeffrey Owings
98-15	Development of a Prototype System for Accessing Linked NCES Data	Steven Kaufman
1999–05	Procedures Guide for Transcript Studies	Dawn Nelson
1999–06	1998 Revision of the Secondary School Taxonomy	Dawn Nelson
1999–15	Projected Postsecondary Outcomes of 1992 High School Graduates	Aurora D'Amico
2001-16	Imputation of Test Scores in the National Education Longitudinal Study of 1988	Ralph Lee
2002-04	Improving Consistency of Response Categories Across NCES Surveys	Marilyn Seastrom
2003–01	Mathematics, Foreign Langu age, and Science Coursetaking and the NELS:88 Transcript Data	Jeffrey Owings
2003-02	English Coursetaking and the NELS:88 Transcript Data	Jeffrey Owings
2003-18	Report for Computation of Balanced Repeated Replicate (BRR) Weights for the Third (NELS88:1994) and Fourth (NELS88:2000) Follow-up Surveys	Dennis Carroll
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96-13	Estimation of Response Bias in the NHES:95 Adult Education Survey	Steven Kaufman
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96–14 The 1995 National Household Education Survey: Reinterview Results for the Adult Steven Kaufman Education Component

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96-21	1993 National Household Education Survey (NHES:93) Questionnaires: Screener, School Readiness, and School Safety and Discipline	Kathryn Chandler
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70-22	Childhood Program Participation, and Adult Education	Raun yn Chandler
96–29	Undercoverage Bias in Estimates of Characteristics of Adults and 0- to 2-Year-Olds in the	Kathryn Chandler
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96–30	Comparison of Estimates from the 1995 National Household Education Survey	Kathryn Chandler
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97-02	Telephone Coverage Bias and Recorded Interviews in the 1993 National Household	Kathryn Chandler
97.03	Education Survey (NHES:93) 1001 and 1005 National Household Education Survey Questionnaires: NHES:01 Screener	Kathryn Chandler
77-03	NHES:91 Adult Education, NHES:95 Basic Screener, and NHES:95 Adult Education	Kaun yn Chandler
97–04	Design, Data Collection, Monitoring, Interview Administration Time, and Data Editing in	Kathryn Chandler
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97–05	Unit and Item Response, Weighting, and Imputation Procedures in the 1993 National	Kathryn Chandler
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97–06	Unit and Item Response, Weighting, and Imputation Procedures in the 1995 National	Kathryn Chandler
97 08	Household Education Survey (INHES:95) Design Data Collection Interview Timing and Data Editing in the 1995 National	Kathryn Chandler
77-00	Household Education Survey	Kaun yn Chandler
97–19	National Household Education Survey of 1995: Adult Education Course Coding Manual	Peter Stowe
97–20	National Household Education Survey of 1995: Adult Education Course Code Merge	Peter Stowe
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97–25	1996 National Household Education Survey (NHES:96) Questionnaires:	Kathryn Chandler
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2000-17	National Postsecondary Student Aid Study 2000 Field Test Methodology Report	Andrew Malizio
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95-03	Schools and Staffing Survey: 1990–91 SASS Cross-Ouestionnaire Analysis	Dan Kasprzyk
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95-09	The Results of the 1993 Teacher List Validation Study (TLVS)	Dan Kasprzyk
95-10	The Results of the 1991–92 Teacher Follow-up Survey (TFS) Reinterview and Extensive	Dan Kasprzyk
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95-11	Measuring Instruction, Curriculum Content, and Instructional Resources: The Status of	Sharon Bobbitt &
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95-12	Rural Education Data User's Guide	Samuel Peng
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95–16	Intersurvey Consistency in NCES Private School Surveys	Steven Kaufman
95–18	An Agenda for Research on Teachers and Schools: Revisiting NCES' Schools and	Dan Kasprzyk
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90-07	Making Data Palayant for Policy Discussions: Padacigning the School Administrator	Dan Kaspizyk
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96-10	1998–99 Schools and Staffing Survey: Issues Related to Survey Depth	Dan Kasprzyk
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96–25	Measures of Inservice Professional Development: Suggested Items for the 1998-1999	Dan Kasprzyk
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97-01	Selected Papers on Education Surveys: Papers Presented at the 1996 Meeting of the	Dan Kasprzyk
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97_09	Status of Data on Crime and Violence in Schools: Final Report	I ee Hoffman
97-10	Report of Cognitive Research on the Public and Private School Teacher Ouestionnaires	Dan Kasprzyk
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97-18	Improving the Mail Return Rates of SASS Surveys: A Review of the Literature	Steven Kaufman
97-22	Collection of Private School Finance Data: Development of a Questionnaire	Stephen Broughman
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98-02	Response Variance in the 1993–94 Schools and Staffing Survey: A Reinterview Report	Steven Kaufman
98-04	Geographic Variations in Public Schools' Costs	William J. Fowler, Jr.
98–05	SASS Documentation: 1993-94 SASS Student Sampling Problems; Solutions for	Steven Kaufman
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98-13	Kesponse variance in the 1994–95 Teacher Follow-up Survey	Steven Kaufman
98-14	Variance Estimation of imputed Survey Data Development of a Prototype System for Accessing Linked NCES Data	Steven Kaufman
98-16	A Feasibility Study of Longitudinal Design for Schools and Staffing Survey	Stephen Broughman
1999_02	Tracking Secondary Use of the Schools and Staffing Survey Data: Preliminary Results	Dan Kasprzyk
1999-04	Measuring Teacher Qualifications	Dan Kasprzyk
1999-07	Collection of Resource and Expenditure Data on the Schools and Staffing Survey	Stephen Broughman
1999–08	Measuring Classroom Instructional Processes: Using Survey and Case Study Fieldtest	Dan Kasprzyk
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1999–10	What Users Say About Schools and Staffing Survey Publications	Dan Kasprzyk
1999–12	1993–94 Schools and Staffing Survey: Data File User's Manual, Volume III: Public-Use	Kerry Gruber
	Codebook	
1999–13	1993–94 Schools and Staffing Survey: Data File User's Manual. Volume IV: Bureau of	Kerry Gruber
	Indian Affairs (BIA) Restricted-Use Codebook	
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2000-13	Non-professional Staff in the Schools and Staffing Survey (SASS) and Common Core of	Kerry Gruber
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2000-18	Feasibility Report: School-Level Finance Pretest, Public School District Questionnaire	Stephen Broughman
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2001-05	Using TIMSS to Analyze Correlates of Performance Variation in Mathematics	Patrick Gonzales
2001-07	A Comparison of the National Assessment of Educational Progress (NAEP), the Third	Arnold Goldstein
	International Mathematics and Science Study Repeat (TIMSS-R), and the Programme	
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2002-01	Legal and Ethical Issues in the Use of Video in Education Research	Patrick Gonzales

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96–20	1991 National Household Education Survey (NHES:91) Questionnaires: Screener, Early Childhood Education, and Adult Education	Kathryn Chandler
96–22	1995 National Household Education Survey (NHES:95) Questionnaires: Screener, Early Childhood Program Participation, and Adult Education	Kathryn Chandler
98–03	Adult Education in the 1990s: A Report on the 1991 National Household Education Survey	Peter Stowe
98–10	Adult Education Participation Decisions and Barriers: Review of Conceptual Frameworks and Empirical Studies	Peter Stowe
1999–11	Data Sources on Lifelong Learning Available from the National Center for Education Statistics	Lisa Hudson
2000–16a 2000–16b	Lifelong Learning NCES Task Force: Final Report Volume I	Lisa Hudson
2000-100	Enclong Learning Webs Task Force. That Report Volume II	Lisa Huuson
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95–13	Assessing Students with Disabilities and Limited English Proficiency	James Houser
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97–30	ACT's NAEP Redesign Project: Assessment Design is the Key to Useful and Sable	Larry Ogle
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97–31	NAEP Reconfigured: An Integrated Redesign of the National Assessment of Educational Progress	Larry Ogle
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97–37	Optimal Rating Procedures and Methodology for NAEP Open-ended Items	Larry Ogle
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98–09	High School Curriculum Structure: Effects on Coursetaking and Achievement in Mathematics for High School Graduates—An Examination of Data from the National Education Longitudinal Study of 1988	Jeffrey Owings
2001–07	A Comparison of the National Assessment of Educational Progress (NAEP), the Third International Mathematics and Science Study Repeat (TIMSS-R), and the Programme for International Student Assessment (PISA)	Arnold Goldstein
2001-11	Impact of Selected Background Variables on Students' NAEP Math Performance	Arnold Goldstein
2001 - 13	The Effects of Accommodations on the Assessment of LEP Students in NAFP	Arnold Goldstein
2001-19	The Measurement of Home Background Indicators: Cognitive Laboratory Investigations	Arnold Goldstein
2001-17	of the Responses of Fourth and Eighth Graders to Questionnaire Items and Parental Assessment of the Invasiveness of These Items	Amora Goldstein

2002-05 Early Childhood Longitudinal Study-Kindergarten Class of 1998–99 (ECLS–K), Psychometric Report for Kindergarten Through First Grade

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2002-07	Teacher Quality, School Context, and Student Race/Ethnicity: Findings from the Eighth Grade National Assessment of Educational Progress 2000 Mathematics Assessment	Janis Brown
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98–11	Beginning Postsecondary Students Longitudinal Study First Follow-up (BPS:96–98) Field Test Report	Aurora D'Amico
2001–04	Beginning Postsecondary Students Longitudinal Study: 1996–2001 (BPS:1996/2001) Field Test Methodology Report	Paula Knepper
Civic partic	ipation	
97–25	1996 National Household Education Survey (NHES:96) Questionnaires: Screener/Household and Library, Parent and Family Involvement in Education and Civic Involvement, Youth Civic Involvement, and Adult Civic Involvement	Kathryn Chandler
Climate of s	schools	
95–14	Empirical Evaluation of Social, Psychological, & Educational Construct Variables Used in NCES Surveys	Samuel Peng
Cost of edu	cation indices	
94–05	Cost-of-Education Differentials Across the States	William J. Fowler, Jr.
Course-tak	ing	
95-12	Rural Education Data User's Guide	Samuel Peng
98–09	High School Curriculum Structure: Effects on Coursetaking and Achievement in Mathematics for High School Graduates—An Examination of Data from the National Education Longitudinal Study of 1988	Jeffrey Owings
1999–05	Procedures Guide for Transcript Studies	Dawn Nelson
1999–06 2003–01	1998 Revision of the Secondary School Taxonomy Mathematics, Foreign Language, and Science Coursetaking and the NELS:88 Transcript	Dawn Nelson Jeffrey Owings
2003–02	English Coursetaking and the NELS:88 Transcript Data	Jeffrey Owings
Crime		
97–09	Status of Data on Crime and Violence in Schools: Final Report	Lee Hoffman
Curriculun	1	
95–11	Measuring Instruction, Curriculum Content, and Instructional Resources: The Status of Recent Work	Sharon Bobbitt & John Ralph
98–09	High School Curriculum Structure: Effects on Coursetaking and Achievement in Mathematics for High School Graduates—An Examination of Data from the National Education Longitudinal Study of 1988	Jeffrey Owings
Customer s	ervice	
1999–10	What Users Say About Schools and Staffing Survey Publications	Dan Kasprzyk
2000-02	Coordinating NCES Surveys: Options, Issues, Challenges, and Next Steps	Valena Plisko
2000–04	Selected Papers on Education Surveys: Papers Presented at the 1998 and 1999 ASA and 1999 AAPOR Meetings	Dan Kasprzyk
Data quality		
97–13	Improving Data Quality in NCES: Database-to-Report Process	Susan Ahmed
2001-11	Impact of Selected Background Variables on Students' NAEP Math Performance	Arnold Goldstein
2001-13	The Effects of Accommodations on the Assessment of LEP Students in NAEP	Arnold Goldstein
2001–19	The Measurement of Home Background Indicators: Cognitive Laboratory Investigations of the Responses of Fourth and Eighth Graders to Questionnaire Items and Parental Assessment of the Invasiveness of These Items	Arnold Goldstein
2002-06	The Measurement of Instructional Background Indicators: Cognitive Laboratory Investigations of the Responses of Fourth and Eighth Grade Students and Teachers to Questionnaire Items	Arnold Goldstein

Data warehouse

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2000-04	Selected Papers on Education Surveys: Papers Presented at the 1998 and 1999 ASA and	Dan Kasprzyk
	1999 AAPOR Meetings	
Design effec	ts	
2000–03	Strengths and Limitations of Using SUDAAN, Stata, and WesVarPC for Computing	Ralph Lee
	Variances from NCES Data Sets	
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Dropout rat	tes, high school	Lefferer Oreiner
95-07	National Education Longitudinal Study of 1988: Conducting Trend Analyses HS&B and NELS-88 Sophomore Cohort Dropouts	Jeffrey Owings
	ALLS.08 Sophomore Conort Dropouts	
Early childl	nood education	
96–20	1991 National Household Education Survey (NHES:91) Questionnaires: Screener, Early	Kathryn Chandler
06.22	Childhood Education, and Adult Education	Kathana Chandlan
96-22	Childhood Program Participation and Adult Education	Kathryn Chandler
97–24	Formulating a Design for the ECLS: A Review of Longitudinal Studies	Jerry West
97–36	Measuring the Quality of Program Environments in Head Start and Other Early Childhood	Jerry West
	Programs: A Review and Recommendations for Future Research	
1999-01	A Birth Cohort Study: Conceptual and Design Considerations and Rationale	Jerry West
2001–02	Eatherbood Module for the ECLS-B	Jerry west
2001-03	Measures of Socio-Emotional Development in Middle School	Elvira Hausken
2001-06	Papers from the Early Childhood Longitudinal Studies Program: Presented at the 2001	Jerry West
2002.05	AERA and SRCD Meetings	
2002-05	Early Childhood Longitudinal Study-Kindergarten Class of 1998–99 (ECLS–K), Development for Kindergarten Through First Crade	Elviro Houskon
	rsychometric Report for Rindergatten Through First Orade	EIVITA MAUSKEII
Educationa	l attainment	
98–11	Beginning Postsecondary Students Longitudinal Study First Follow-up (BPS:96-98) Field	Aurora D'Amico
2001 15	Test Report	
2001-15	Baccalaureate and Beyond Longitudinal Study: 2000/01 Follow-Up Field Test	Andrew G. Malizio
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Educational	l research	
2000-02	Coordinating NCES Surveys: Options, Issues, Challenges, and Next Steps	Valena Plisko
2002–01	Legal and Ethical Issues in the Use of Video in Education Research	Patrick Gonzales
Eighth-grad	lers	
2001–05	Using TIMSS to Analyze Correlates of Performance Variation in Mathematics	Patrick Gonzales
2002-07	Teacher Quality, School Context, and Student Race/Ethnicity: Findings from the Eighth	Janis Brown
	Grade National Assessment of Educational Progress 2000 Mathematics Assessment	
Fmnlovmer	ot .	
96–03	National Education Longitudinal Study of 1988 (NELS:88) Research Framework and	Jeffrey Owings
	Issues	, ,
98–11	Beginning Postsecondary Students Longitudinal Study First Follow-up (BPS:96–98) Field	Aurora D'Amico
2000 160	Test Report	Liss Hudson
2000-16h	Lifelong Learning NCES Task Force: Final Report Volume I	Lisa Hudson
2000-100	Cross-National Variation in Educational Preparation for Adulthood: From Early	Elvira Hausken
	Adolescence to Young Adulthood	
		
Employmer	II - AITER College Baccalaureate and Bayond Longitudinal Study: 2000/01 Eallow Un Eald Teat	Andrew G. Malizio
2001-13	Methodology Report	AILUEW U. MAIIZIU
Engineering	g	
2000-11	Financial Aid Profile of Graduate Students in Science and Engineering	Aurora D'Amico

Enrollment – after college

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2001-15	Baccalaureate and Beyond Longitudinal Study: 2000/01 Follow-Up Field Test	Andrew G. Malizio
	Methodology Report	
Faculty – hi	gher education	
97–26	Strategies for Improving Accuracy of Postsecondary Faculty Lists	Linda Zimbler
2000-01	1999 National Study of Postsecondary Faculty (NSOPF:99) Field Test Report	Linda Zimbler
2002-08	A Profile of Part-time Faculty: Fall 1998	Linda Zimbler
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Fathers – ro	ble in education	T TT .
2001–02	Measuring Father Involvement in Young Children's Lives: Recommendations for a	Jerry West
	Fatherhood Module for the ECLS-B	
Financa	amontany and secondary schools	
r mance - e	Cost of Education Differentials Across the States	William I Fourlar Ir
94-03	Assessment and Analysis of School Level Expanditures	William I. Fowler, Jr.
90-19	Collection of Public School Expenditure Data: Development of a Questionnaire	Stephen Broughman
1000 07	Collection of Resource and Expenditure Data. Development of a Questionnane	Stephen Broughman
1999_16	Measuring Resources in Education: From Accounting to the Resource Cost Model	William I Fowler Ir
1777-10	Approach	william J. Fowler, Jr.
2000 18	Approach Feasibility Report: School I evel Finance Pretest, Public School District Questionnaire	Stephen Broughman
2000-18	reasionity Report. School-Level Finance Fretest, Fublic School District Questionnane	Stephen Diougninan
Finance – n	ostseeandarv	
97_27	Pilot Test of IPEDS Finance Survey	Peter Stowe
2000-14	IPEDS Finance Data Comparisons Under the 1997 Financial Accounting Standards for	Peter Stowe
2000-14	Private Not-for-Profit Institutes: A Concent Paper	I clei blowe
	Thvate, Not-IoI-Tiont institutes. A concept 1 aper	
Finance – n	rivate schools	
95–17	Estimates of Expenditures for Private K–12 Schools	Stephen Broughman
96–16	Strategies for Collecting Finance Data from Private Schools	Stephen Broughman
97-07	The Determinants of Per-Pupil Expenditures in Private Elementary and Secondary	Stephen Broughman
<i></i>	Schools: An Exploratory Analysis	Stephen Broughinnan
97-22	Collection of Private School Finance Data: Development of a Questionnaire	Stephen Broughman
1999-07	Collection of Resource and Expenditure Data on the Schools and Staffing Survey	Stephen Broughman
2000-15	Feasibility Report: School-Level Finance Pretest, Private School Ouestionnaire	Stephen Broughman
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Geography		
98–04	Geographic Variations in Public Schools' Costs	William J. Fowler, Jr.
Graduate st	udents	
2000-11	Financial Aid Profile of Graduate Students in Science and Engineering	Aurora D'Amico
Graduates of	of postsecondary education	
2001-15	Baccalaureate and Beyond Longitudinal Study: 2000/01 Follow-Up Field Test	Andrew G. Malizio
	Methodology Report	
Imputation		
2000-04	Selected Papers on Education Surveys: Papers Presented at the 1998 and 1999 ASA and	Dan Kasprzyk
	1999 AAPOR Meeting	
2001 - 10	Comparison of Proc Impute and Schafer's Multiple Imputation Software	Sam Peng
2001-16	Imputation of Test Scores in the National Education Longitudinal Study of 1988	Ralph Lee
2001-17	A Study of Imputation Algorithms	Ralph Lee
2001–18	A Study of Variance Estimation Methods	Ralph Lee
Inflation		
97–43	Measuring Inflation in Public School Costs	William J. Fowler, Jr.
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Institution of		T ' 1 77' 11
2000-01	1999 National Study of Postsecondary Faculty (NSOPF:99) Field Test Report	Linda Zimbler
Total de	1	
Instructiona	Il resources and practices	Sharon D-1-1-144 0
90-11	Neasuring instruction, Curriculum Content, and instructional Kesources: The Status of	Silaron Bodditt &
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1999–08	Measuring Classroom Instructional Processes: Using Survey and Case Study Field Test	Dan Kasprzyk
	Results to Improve Item Construction	
Internation	nal comparisons	
97-11	International Comparisons of Inservice Professional Development	Dan Kasprzyk
97–16	International Education Expenditure Comparability Study: Final Report, Volume I	Shelley Burns
97–17	International Education Expenditure Comparability Study: Final Report, Volume II,	Shelley Burns
	Quantitative Analysis of Expenditure Comparability	
2001-01	Cross-National Variation in Educational Preparation for Adulthood: From Early	Elvira Hausken
	Adolescence to Young Adulthood	
2001–07	A Comparison of the National Assessment of Educational Progress (NAEP), the Third	Arnold Goldstein
	International Mathematics and Science Study Repeat (TIMSS-R), and the Programme	
	for International Student Assessment (PISA)	
Internation	nal comparisons – math and science achievement	
2001–05	Using TIMSS to Analyze Correlates of Performance Variation in Mathematics	Patrick Gonzales
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Libraries	ת אמר ויד יור אין	C 1V 11
94–07	Data Comparability and Public Policy: New Interest in Public Library Data Papers	Carrol Kindel
07 25	Presented at Meetings of the American Statistical Association	Vatherin Chandlar
97-25	1996 National Household Education Survey (NHES:96) Questionnaires:	Kathryn Chandler
	Screener/Household and Llorary, Parent and Pamily Involvement in Education and	
	Civic involvement, Youth Civic involvement, and Adult Civic involvement	
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	Ignsh Fronciency Assassing Students with Disabilities and Limited English Proficiency	Jamas Housar
2001 11	Impact of Salacted Background Variables on Students' NAED Math Derformance	Arnold Goldstein
2001-11	The Effects of Accommodations on the Assessment of LED Students in NAEP	Arnold Goldstein
2001-13	The Effects of Accommodations on the Assessment of EEF Students in IVAE	Amola Oblastem
I iteracy of	[°] odults	
98_17	Developing the National Assessment of Adult Literacy: Recommendations from	Sheida White
70-17	Stakeholders	Shelda White
1000 002	1002 National Adult Literacy Survey: An Overview	Alex Sedlacek
1999_09h	1992 National Adult Literacy Survey: Sample Design	Alex Sedlacek
1000 000	1992 National Adult Literacy Survey: Weighting and Population Estimates	Alex Sedlacek
1999–09d	1992 National Adult Literacy Survey: Development of the Survey Instruments	Alex Sedlacek
1999–09e	1992 National Adult Literacy Survey: Scaling and Proficiency Estimates	Alex Sedlacek
1999–09f	1992 National Adult Literacy Survey: Interpreting the Adult Literacy Scales and Literacy	Alex Sedlacek
1777 071	Levels	
1999 <u>–</u> 09ø	1992 National Adult Literacy Survey: Literacy Levels and the Response Probability	Alex Sedlacek
1777 078	Convention	i iion gouldoon
1999–11	Data Sources on Lifelong Learning Available from the National Center for Education	Lisa Hudson
	Statistics	
2000-05	Secondary Statistical Modeling With the National Assessment of Adult Literacy:	Sheida White
	Implications for the Design of the Background Questionnaire	
2000-06	Using Telephone and Mail Surveys as a Supplement or Alternative to Door-to-Door	Sheida White
	Surveys in the Assessment of Adult Literacy	
2000-07	"How Much Literacy is Enough?" Issues in Defining and Reporting Performance	Sheida White
	Standards for the National Assessment of Adult Literacy	
2000-08	Evaluation of the 1992 NALS Background Survey Questionnaire: An Analysis of Uses	Sheida White
	with Recommendations for Revisions	
2000-09	Demographic Changes and Literacy Development in a Decade	Sheida White
2001-08	Assessing the Lexile Framework: Results of a Panel Meeting	Sheida White
Literacy of	f adults – international	
97–33	Adult Literacy: An International Perspective	Marilyn Binkley
Mathemati	ics	
98–09	High School Curriculum Structure: Effects on Coursetaking and Achievement in	Jeffrey Owings
	Mathematics for High School Graduates—An Examination of Data from the National	-
	Education Longitudinal Study of 1988	
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1999–08	Measuring Classroom Instructional Processes: Using Survey and Case Study Field Test	Dan Kasprzyk

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2001-05	Using TIMSS to Analyze Correlates of Performance Variation in Mathematics	Patrick Gonzales
2001–07	A Comparison of the National Assessment of Educational Progress (NAEP), the Third	Arnold Goldstein
	for International Student Assessment (DISA)	
2001 11	I International Student Assessment (PISA)	Amold Coldstain
2001-11	The Measurement of Instructional Background Indicators: Cognitive Laboratory	Arnold Goldstein
2002 00	Investigations of the Responses of Fourth and Fighth Grade Students and Teachers to	7 miloid Goldstein
	Ouestionnaire Items	
2002-07	Teacher Ouality, School Context, and Student Race/Ethnicity: Findings from the Eighth	Janis Brown
	Grade National Assessment of Educational Progress 2000 Mathematics Assessment	
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96-03	National Education Longitudinal Study of 1988 (NELS:88) Research Framework and	Jeffrey Owings
	Issues	
97–25	1996 National Household Education Survey (NHES:96) Questionnaires:	Kathryn Chandler
	Screener/Household and Library, Parent and Family Involvement in Education and	
1000 01	Civic Involvement, Youth Civic Involvement, and Adult Civic Involvement	I
1999-01	A Birth Conort Study: Conceptual and Design Considerations and Kalionale	Jerry West
2001-06	AEPA and SPCD Meetings	Jerry west
2001-19	The Measurement of Home Background Indicators: Cognitive Laboratory Investigations	Arnold Goldstein
2001 17	of the Responses of Fourth and Eighth Graders to Ouestionnaire Items and Parental	- mora Golustelli
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Participatio	n rates	
98–10	Adult Education Participation Decisions and Barriers: Review of Conceptual Frameworks	Peter Stowe
	and Empirical Studies	
Postseconda	ary education	
1999–11	Data Sources on Lifelong Learning Available from the National Center for Education	Lisa Hudson
	Statistics	
2000–16a	Lifelong Learning NCES Task Force: Final Report Volume I	Lisa Hudson
2000–16b	Lifelong Learning NCES Task Force: Final Report Volume II	Lisa Hudson
Postseconda	ary education – persistence and attainment	
98-11	Beginning Postsecondary Students Longitudinal Study First Follow-up (BPS:96-98) Field	Aurora D'Amico
	Test Report	
1999–15	Projected Postsecondary Outcomes of 1992 High School Graduates	Aurora D'Amico
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97–26	Strategies for Improving Accuracy of Postsecondary Faculty Lists	Linda Zimbler
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2002–08	A Profile of Part-time Faculty: Fall 1998	Linda Zimbler
Principals		
2000–10	A Research Agenda for the 1999–2000 Schools and Staffing Survey	Dan Kasprzyk
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96–16	Strategies for Collecting Finance Data from Private Schools	Stephen Broughman
97–07	The Determinants of Per-Pupil Expenditures in Private Elementary and Secondary Schools: An Exploratory Analysis	Stephen Broughman
97–22	Collection of Private School Finance Data: Development of a Questionnaire	Stephen Broughman
2000-13	Non-professional Staff in the Schools and Staffing Survey (SASS) and Common Core of	Kerry Gruber
2000-15	Data (CCD) Feasibility Report: School-Level Finance Pretest, Private School Ouestionnaire	Stephen Broughman
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1999–15	of education statistics Projected Postsecondary Outcomes of 1992 High School Graduates	Aurora D'Amico
1/// 10	regeneer obsecondary cateories of 1772 fingh behoof Oradaates	Luioin D Thillo
Public schoo	ol finance	
Public schoo 1999–16	ol finance Measuring Resources in Education: From Accounting to the Resource Cost Model	William J. Fowler, Jr.
Public schoo 1999–16	ol finance Measuring Resources in Education: From Accounting to the Resource Cost Model Approach	William J. Fowler, Jr.

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97–43 98–01 98–04 1999–02 2000–12	Measuring Inflation in Public School Costs Collection of Public School Expenditure Data: Development of a Questionnaire Geographic Variations in Public Schools' Costs Tracking Secondary Use of the Schools and Staffing Survey Data: Preliminary Results Coverage Evaluation of the 1994–95 Public Elementary/Secondary School Universe	William J. Fowler, Jr. Stephen Broughman William J. Fowler, Jr. Dan Kasprzyk Beth Young
2000-13	Non-professional Staff in the Schools and Staffing Survey (SASS) and Common Core of Data (CCD)	Kerry Gruber
2002-02	Locale Codes 1987 - 2000	Frank Johnson
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Reform, ed 96–03	ucational National Education Longitudinal Study of 1988 (NELS:88) Research Framework and Issues	Jeffrey Owings
Response ra 98–02	ates Response Variance in the 1993–94 Schools and Staffing Survey: A Reinterview Report	Steven Kaufman
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School dist	ricts, public	
98–07 1999–03	Decennial Census School District Project Planning Report Evaluation of the 1996–97 Nonfiscal Common Core of Data Surveys Data Collection, Processing, and Editing Cycle	Tai Phan Beth Young
School dist 96–04	ricts, public – demographics of Census Mapping Project/School District Data Book	Tai Phan
Schools 97–42	Improving the Measurement of Staffing Resources at the School Level: The Development of Recommendations for NCES for the Schools and Staffing Survey (SASS)	Mary Rollefson
98–08 1999–03	The Redesign of the Schools and Staffing Survey for 1999–2000: A Position Paper Evaluation of the 1996–97 Nonfiscal Common Core of Data Surveys Data Collection, Processing, and Editing Cycle	Dan Kasprzyk Beth Young
2000–10 2002–02	A Research Agenda for the 1999–2000 Schools and Staffing Survey Locale Codes 1987 – 2000	Dan Kasprzyk Frank Johnson
2002-07	Teacher Quality, School Context, and Student Race/Ethnicity: Findings from the Eighth Grade National Assessment of Educational Progress 2000 Mathematics Assessment	Janis Brown
Schools – s	afety and discipline	
97–09	Status of Data on Crime and Violence in Schools: Final Report	Lee Hoffman
Science		A
2000–11 2001–07	A Comparison of the National Assessment of Educational Progress (NAEP), the Third International Mathematics and Science Study Repeat (TIMSS-R), and the Programme for International Student Assessment (PISA)	Aurora D'Amico Arnold Goldstein
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2000–03	Strengths and Limitations of Using SUDAAN, Stata, and WesVarPC for Computing Variances from NCES Data Sets	Ralph Lee
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98–08	The Redesign of the Schools and Staffing Survey for 1999–2000: A Position Paper	Dan Kasprzyk

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Staff – high	er education instituti ons	T 1 7 11
97–26	Strategies for Improving Accuracy of Postsecondary Faculty Lists	Linda Zimbler
2002–08	A Profile of Part-time Faculty: Fall 1998	Linda Zimbler
Staff non	nucleasional	
5tarr - non	professional	Variation Caraltan
2000–13	Non-professional Stall in the Schools and Stalling Survey (SASS) and Common Core of	Kerry Gruber
	Data (CCD)	
State		
1999-03	Evaluation of the 1996–97 Nonfiscal Common Core of Data Surveys Data Collection.	Beth Young
1777 05	Processing and Editing Cycle	bear roung
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97-21	Statistics for Policymakers or Everything You Wanted to Know About Statistics But	Susan Ahmed
	Thought You Could Never Understand	
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2001-05	Using TIMSS to Analyze Correlates of Performance Variation in Mathematics	Patrick Gonzales
2002–04	Improving Consistency of Response Categories Across NCES Surveys	Marilyn Seastrom
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Students wi	th disabilities	I II
95-15	Assessing Students with Disabilities and Limited English Proficiency	James Houser
2001-13	The Effects of Accommodations on the Assessment of LEP Students in NAEP	Arnold Goldstein
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96–17	National Postsecondary Student Aid Study: 1996 Field Test Methodology Report	Andrew G. Malizio
97_15	Customer Service Survey: Common Core of Data Coordinators	Lee Hoffman
97_35	Design Data Collection Interview Administration Time and Data Editing in the 1996	Kathryn Chandler
<i>)</i> 1 35	National Household Education Survey	Runn yn Chundler
98-06	National Education Longitudinal Study of 1988 (NELS:88) Base Year through Second	Ralph Lee
	Follow-Up: Final Methodology Report	. 1
98-11	Beginning Postsecondary Students Longitudinal Study First Follow-up (BPS:96–98) Field	Aurora D'Amico
	Test Report	
98–16	A Feasibility Study of Longitudinal Design for Schools and Staffing Survey	Stephen Broughman
1999–07	Collection of Resource and Exp enditure Data on the Schools and Staffing Survey	Stephen Broughman
1999–17	Secondary Use of the Schools and Staffing Survey Data	Susan Wiley
2000-01	1999 National Study of Postsecondary Faculty (NSOPF:99) Field Test Report	Linda Zimbler
2000-02	Coordinating NCES Surveys: Options, Issues, Challenges, and Next Steps	Valena Plisko
2000-04	Selected Papers on Education Surveys: Papers Presented at the 1998 and 1999 ASA and	Dan Kasprzyk
	1999 AAPOR Meetings	
2000-12	Coverage Evaluation of the 1994–95 Public Elementary/Secondary School Universe	Beth Young
	Survey	
2000–17	National Postsecondary Student Aid Study:2000 Field Test Methodology Report	Andrew G. Malizio
2001–04	Beginning Postsecondary Students Longitudinal Study: 1996–2001 (BPS:1996/2001)	Paula Knepper
2001 07	Field Test Methodology Report	
2001-07	A Comparison of the National Assessment of Educational Progress (NAEP), the Initia	Arnold Goldstein
	for International Student Assessment (DISA)	
2001 11	International Student Assessment (FISA)	Arnold Coldstain
2001-11	The Effects of Accommodations on the Assessment of LEP Students in NAEP	Arnold Goldstein
2001-13	The Measurement of Home Background Indicators: Cognitive Laboratory Investigations	Arnold Goldstein
2001-17	of the Responses of Fourth and Fighth Graders to Questionnaire Items and Parental	Amola Colusiem
	Assessment of the Invasiveness of These Items	
2002-01	Legal and Ethical Issues in the Use of Video in Education Research	Patrick Gonzales
2002-02	Locale Codes 1987 - 2000	Frank Johnson
2002-03	National Postsecondary Student Aid Study, 1999–2000 (NPSAS:2000). CATI	Andrew Malizio
	Nonresponse Bias Analysis Report.	

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2002-06	The Measurement of Instructional Background Indicators: Cognitive Laboratory Investigations of the Responses of Fourth and Eighth Grade Students and Teachers to Ouestionnaire Items	Arnold Goldstein
2003-03	Education Longitudinal Study: 2002 (ELS: 2002) Field Test Report	Jeffrey Owings
Teachers		
98-13	Response Variance in the 1994–95 Teacher Follow-up Survey	Steven Kaufman
1999–14	1994–95 Teacher Followup Survey: Data File User's Manual, Restricted-Use Codebook	Kerry Gruber
2000-10	A Research Agenda for the 1999–2000 Schools and Staffing Survey	Dan Kasprzyk
2002-07	Teacher Quality, School Context, and Student Race/Ethnicity: Findings from the Eighth Grade National Assessment of Educational Progress 2000 Mathematics Assessment	Janis Brown
Teachers -	- instructional practices of	
98–08	The Redesign of the Schools and Staffing Survey for 1999–2000: A Position Paper	Dan Kasprzyk
2002-06	The Measurement of Instructional Background Indicators: Cognitive Laboratory Investigations of the Responses of Fourth and Eighth Grade Students and Teachers to Questionnaire Items	Arnold Goldstein
Teachers -	- opinions regarding safety	
98–08	The Redesign of the Schools and Staffing Survey for 1999–2000: A Position Paper	Dan Kasprzyk
Teachers -	- performance evaluations	
1999–04	Measuring Teacher Qualifications	Dan Kasprzyk
Toochorg	qualifications of	
1999–04	Measuring Teacher Qualifications	Dan Kasprzyk
Teachers -	- salaries of	
94–05	Cost-of-Education Differentials Across the States	William J. Fowler, Jr.
Training		
2000–16a	Lifelong Learning NCES Task Force: Final Report Volume I	Lisa Hudson
2000–16b	Lifelong Learning NCES Task Force: Final Report Volume II	Lisa Hudson
Variance e	stimation	
2000–03	Strengths and Limitations of Using SUDAAN, Stata, and WesVarPC for Computing	Ralph Lee
	Variances from NCES Data Sets	
2000-04	Selected Papers on Education Surveys: Papers Presented at the 1998 and 1999 ASA and 1999 A APOR Meetings	Dan Kasprzyk
2001-18	A Study of Variance Estimation Methods	Ralph Lee
2003-18	Report for Computation of Balanced Repeated Replicate (BRR) Weights for the Third	Dennis Carroll
	(NELS88:1994) and Fourth (NELS88:2000) Follow-up Surveys	
Violence		
97–09	Status of Data on Crime and Violence in Schools: Final Report	Lee Hoffman
Vocational	education	
95–12	Rural Education Data User's Guide	Samuel Peng
1999–05	Procedures Guide for Transcript Studies	Dawn Nelson
1999–06	1998 Revision of the Secondary School Taxonomy	Dawn Nelson