

Teacher Effects on Longitudinal Student Achievement

A Report on Research in Progress

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Introduction

Teacher appraisal has moved into a new era since 1990 with the introduction of systems to measure the effectiveness of a teacher upon student achievement in a fair manner (Sanders and Horn, 1995; Sanders, Saxton, and Horn, 1997; Webster, 1995; Webster, Mendro, Orsak, and Weerasinghe, 1996,1997; Bembry, Bearden, and Mendro, 1997). These systems eliminate known effects on student achievement outside of the control of the teacher and school and allow a value-added measure of teacher effect to be obtained. Despite considerable evidence that these systems are reliable, are related to student accomplishment, and are fair, there is considerable and vocal, if uninformed, dissent from teachers and school administrators. One of the typical complaints the authors and their colleagues hear from teachers and principals is that the teacher effects identified by the system are unrelated to their students' real level of achievement and that these effects are, in fact, statistical artifacts.

In a seminal study, Sanders and Rivers investigated the long-term effects of teachers on students in two Tennessee districts using data from the Tennessee Value-Added Assessment System (1996). They found that teachers affect a student's achievement level and that the effects are cumulative, additive, and show little evidence of compensatory effects. The study was done for a set of students who were fifth graders in 1995 and whose mathematics achievement had been followed for four years.

The Dallas Public Schools uses a somewhat different model than Tennessee to measure teacher effectiveness, the results of which are used in the District's Teacher Evaluation System (Webster, Mendro, Orsak, and Weerasinghe, 1996,1997; Bembry, Bearden, and Mendro, 1997). This is a preliminary report of research which investigates long term effects of teachers on student achievement in reading and mathematics in the Dallas system over 5 different longitudinal populations who were in the fourth through eighth grades in 1995-96. The authors specifically wanted to answer the questions of whether the results obtained by Sanders and Rivers would generalize to:

- 1) a different methodological approach,
- 2) the different populations of students in the Dallas system,
- 3) the different outcome measures used in the Dallas system, and
- 4) different cohorts of student populations.

Methodology

The Tennessee study was done in stages using a variation on multilevel modeling with the SAS PROC MIXED methodology to identify teacher rankings over a three year span, 1992-93 to 1994-95 (Sanders and Rivers, 1996). They point out that this methodology was used strictly for this study and that better estimation of teacher effectiveness would be obtained through the full model used in the Tennessee system. However, they obtained estimates of teacher effect for each of the three years and divided teachers into quintiles based on their effectiveness estimates. They then used a basic analysis of covariance model, with mathematics achievement in 1991-92 as a covariate, to estimate the effects of teachers, year by year, upon student achievement. They noted that they found no practically significant interaction effects in the data.

In our approach, we used estimates of teacher effects from the Dallas Classroom Effectiveness Indices model for three years, 1993-94 through 1995-96 to rank teachers each year and divide them into quintiles. The Dallas system used a two-stage regression/hierarchical linear model (HLM) to obtain estimates of school effects. Teacher effects were then computed using student residuals from the model, adjusted for sample size, that were reorganized by classroom to obtain estimates of teacher effect (Webster, Mendro, Orsak, and Weerasinghe, 1997). In the first stage of the model, effects of socioeconomic status, ethnicity, language proficiency, and gender are controlled through a modified multiple linear regression procedure applied to both pretest and outcome data. The school effects are then obtained through use of a two-level HLM analysis of the residuals from the first stage using school level modifier variables to condition the analysis. This procedure produces shrinkage-adjusted estimates of school effects. The residuals from the regression of modified outcome variables on the modified pretest variables are used in the Classroom Effectiveness Indices. Complete details of both the school and classroom models are contained in the series of research studies conducted by the district (Webster, Mendro and Almaguer, 1994; Mendro, Webster, Bembry, and Orsak, 1995; Webster, Mendro, Bembry, and Orsak, 1995; Webster, Mendro, Orsak, and Weerasinghe, 1996, 1997).

The Tennessee models use student pretest data as the only control on prior student effects, but do include shrinkage estimates of teacher effects. The Dallas models used class size to adjust estimates obtained from a differently conceived school effectiveness model. The first objective of the analysis was to determine whether similar results would be obtained using such a differently conceived model.

Our student population consisted of those Dallas students with four years of complete testing data from 1993 to 1996 (which we will use for 1992-93 through 1995-96 school years, since our testing is done in the spring). Ten cohorts were identified: students with

either complete reading data or complete mathematics data who ended in grades 4 through 8 in 1996. The pretest and criterion measures were NCE scores on the *ITBS* reading comprehension and mathematics total subtests. The Tennessee study used students ending in grade 5 with mathematics outcomes on the Tennessee state skills test, the *TCAP*. The next objective of the analysis, then, was to determine whether results would hold across a broader range of grades, across different outcome measures, and across the different populations.

After obtaining estimates of teacher effect for the three years 94, 95 and 96, we investigated the analysis of covariance model for our data and were unable to use it, since the regression slopes within years were tested and found to be unequal. Instead, an HLM model was used since it would give estimates with unequal slopes. In the model, student pretest from 1992 was used to predict outcome in 1996 within each of the 125 teacher level combinations (5 levels per year by 3 years). An analysis was done for each of the 10 cohorts of students obtained by examining students in 4th through 8th grade (5 grade levels) for each of reading and mathematics outcomes (2 tests). Here, we added a question to the study. What results would be obtained with a different (but related) analysis procedure?

Results

As noted, the population for this study consisted of 10 cohorts of students. To avoid belabored prose, we shall refer to them in the following manner

- Each cohort will have a two-character designation consisting of a letter, R or M, for the outcome measure reading or mathematics, and a number 4 to 8 representing the grade level of the cohort in 1996. Thus, R4 represents the cohort of students in grade 4 in 96, 3 in 95, 2 in 94, and 1 in 93 with reading scores in each of the four years. M4 represents the mathematics cohort in the 4th grade in 1996. R5 represents the reading cohort in 5th grade in 1996, etc.
- Each cohort can be broken into 125 groups which represent the possible different teacher sequences (five quintiles by three years). Each of these groups will be referred to by a three digit number where the first digit represents the quintile of the teachers for the group in the first year (1994) as 1 to 5 with 1 being the lowest quintile and 5 being the highest quintile. The second digit will represent the quintile of the group's teachers for the second year (1995) and the third digit the quintile of the group's teachers for the third year (1996). Thus, in any cohort, the group 111 were the students who, for all three years had teachers in the lowest quintile. The group 555 consists of students who had teachers in the highest quintile each of the three years. The group 145 has students whose teachers in 1994 were in quintile 1, in 1995 were in quintile 4, and in 1996 were in quintile 5, etc.

Cohort Sizes. Table 1 gives the numbers of students in each cohort and their ethnic breakdown. Students were identified as black, Hispanic, and other. The other category consisted primarily of white and Asian students.

The numbers for all but one cohort are above 3200. A concern at first was that some groups might have no students, i.e., some teacher sequences may have had no students who had that sequence. All groups in all sequences had students, with most groups having at least 18 students. Complete group sizes are contained in Tables B1 through B10 in the Appendix.

Group Effect Sizes. Examining the HLM analysis for each of the 10 cohorts, all grouping effects were statistically significant, exceeding a .001 probability level. Since we had investigated heterogeneity of slopes and also had found evidence of interactions, the fact that groupings were significantly different was important but insufficient. The actual effect sizes for groups and patterns of groups required further investigation.

Cohort	Total	Black	Hispanic	Other
R4	3,268	2,044	617	607
R5	3,355	1,958	753	644
R6	3,617	2,043	956	618
R7	3,447	1,786	1,069	592
R8	2,633	1,433	918	282
M4	3,565	2,114	840	611
M5	3,788	2,020	1,072	696
M6	4,044	2,124	1,276	644
M7	3,462	1,832	1,187	443
M8	3,588	1,879	1,243	466

The examination of the effects took two paths. In the first, adjusted effects as estimated by the HLM model were translated back into mean adjusted NCE scores, then to percentile ranks of the adjusted NCE means and patterns by teacher effect and cohort were examined. As later discussion will reveal, the data showed significant bias in the assignment of students by ability to teacher levels. For this and other reasons discussed below, the second part of the investigation of effects was to go to raw NCE data, as opposed to the adjusted effects, to determine the actual differences in group means associated with teacher effects when pretest means were similar.

Adjusted Effect Sizes. The complete effect sizes for each of the 10 cohorts are given in Table A1 in the Appendix. They are sorted first by teacher quintile in 1996 then quintile in 1995 and finally by quintile in 1994. In general, they show a cumulative effect tied to teacher quintile. The effects are not strictly additive as in the Sanders and Rivers study, nor is the effect present in every group. However, there are clear trends showing general additivity and cumulative effects in the adjusted group effects.

To illustrate the effects in the adjusted group percentiles, the groups in each cohort were ranked and a tabulation made of the number of groups without a teacher in the first quintile that fell at or below an adjusted effect size of 50. Similarly, a tabulation was made of the number of groups that had an effect size above 50 without a teacher in the fifth quintile. Then a similar tabulation was made of the same types of groups in the bottom and top 20% of effect sizes, i.e., in the bottom or top 25 groups. The results of these analyses are presented in Table 2.

Cohort	N Groups At or Below 50	N Groups With No Q1 Teacher	N Groups With No Q1 Teacher in Bottom 20%	N Groups Above 50	N Groups with No Q5 Teacher	N Groups With No Q5 Teacher in Top 20%
R4	61	15	0	64	20	3
R5	60	16	1	65	23	4
R6	66	18	1	59	20	2
R7	63	21	4	62	22	7
R8	63	22	2	62	19	3
Total R	313	92	8	312	104	19
Percent		29%	6%		33%	15%
M4	64	18	6	61	20	6
M5	62	16	0	63	19	1
M6	64	17	4	61	21	5
M7	59	17	0	66	20	3
M8	65	18	1	60	17	2
Total M	314	86	11	311	97	17
Percent		27%	9%		31%	14%

The data in Table 2 show a clear relationship between teacher effectiveness and group effect size. The data show approximately 312 of 625 reading or math groups with effect sizes at or below 50 or with effect sizes above 50. Approximately 51% or 160 of these groups are expected to have no teacher in the first quintile if at or below 50 or are expected to have no teacher in the fifth quintile if above 50. The data show approximately 31% of the groups actually meeting these conditions. In effect, if you were in a student group with no quintile 1 teacher you had a 7 out of 10 chance of being in the top half of the effect size distribution. If you had no quintile 5 teacher you had a 2 out of 3 chance of being in the bottom half of the effect size distribution.

The analysis of the top and bottom 20% are more interesting. With no quintile 1 teacher, you have less than a 1 in 10 chance (8 of 125 or 11 of 125) of being in a bottom 20% effect size group. Without a quintile 5 teacher, you have less than a 1 in 6 chance (19 of 125 or 17 of 125) of being in a top 20% effect size group.

Many other relationships such as these can be computed. They show a general influence of teacher effectiveness on adjusted student achievement. They confirm Sanders and Rivers in that they show general additivity, a strong cumulative effect, and show little evidence of compensatory effects. For an example of the latter, if a group has a quintile 1 teacher in 1994 only 76 of the 250 groups (30%) equal or exceed an effect size of 50.

Group NCE Means. The authors have presented information on the School Effectiveness Indices and the Classroom Effectiveness Indices to practitioners on many occasions. An immediate argument which arises after presenting adjusted data, such as the effect sizes just discussed, is that these are statistical artifacts which have no relation to real student achievement or to a teacher's accomplishments with students. To meet these and other similar arguments, the authors computed the actual NCE means for 1993 to 1996 for each group and cohort. Also, we computed the mean difference between the 94 to 96 NCE group means and the 93 NCE group mean. These means and differences are presented in Tables B1 through B10 in the Appendix. Each table is sorted by the quintile in 1994, then 1995, and then 1996. For each group, if there were no other influences affecting scores, the 1996 NCE mean would be expected to be 3 NCE's lower than the 1993 NCE mean (according to the *ITBS* test publishers).

The data in these tables show a general effect where groups with lower quintile teachers lose more than the expected NCE loss and groups with higher quintile teachers lose less or actually gain NCE's over the span of the research. The effects are not consistent with all groups and there are some which show little of these effects or very rarely show the reverse effect, but these are the exception rather than the rule. Clearly, teacher effectiveness is strongly related to actual, unadjusted student outcomes.

To illustrate the effects, the authors selected a set of sample groups from each cohort. An attempt was made to find two groups in each cohort with 1993 means approximately equal to the 1993 111 group mean and to find two groups in each cohort with 1993 means approximately equal to the 1993 555 group mean and examine their means from 1993 to 1996. Because there was some bias in student assignment to groups (which will be reported on in further research), it was not always possible to find two groups with 1993

means which matched the 111 or 555 1993 group means. Thus, a substitute low or high group was selected which would serve to illustrate the general effects. To clarify the results further, the mean 1993 and 1996 NCE values were converted to percentiles and the differences computed for these groups.

The results of these comparisons are presented in Table 3. The table is organized with the cohort indicated in the first column, group in column 2, the mean NCE values for 93 to 96 in the next four columns, the percentile translations of the 93 and 96 means in the next two columns, and the difference of the 96 and 93 percentiles in the last column. To further clarify the differences, the 93 and 96 percentiles for each set of groups are graphed in Figures 1 to 5, with the reading and math cohorts for each grade placed together.

At grade 5 (where Sanders and Rivers found an approximately 45 percentile point gap between lowest and highest groups) the percentile point differences are approximately 52 and 29 for the selected groups. (There is also a percentile difference of approximately 48 points between the 111 and 555 groups, which are included in the two sets of data. These results parallel Sanders and Rivers closely.) The differences in the other sets clearly show the trends also. They range between approximately 10 and 50 percentile points with all but three of the groups showing approximately at least a 20 point difference.

A search of the data in Tables B1 through B10 will result in some counterexamples to these groupings. As the authors noted, our results are not exactly those of Sanders and Rivers. None the less, the data in these tables clearly show the general patterns chosen for the examples in Table 3.

Conclusions

The results of this study generally confirm those reported by Sanders and Rivers. The two studies cross different populations, grade levels, statistical methods, and analysis procedures. There are differences. We did not find exact additivity. Nor are our results as strong with relationship to the cumulative effects as reported by Sanders and Rivers. However, the broad results Sanders and Rivers reported are confirmed by our data. The effects have a strong additive component, they have a strong cumulative component, and they show little evidence of compensatory effects.

There are two additional important conclusions from our research and our research combined with that of Sanders and Rivers. First, it is methodologically feasible (though involved and complicated) to determine teacher effectiveness fairly and in a manner which is related to cumulative student outcomes. Second, more than any other procedure of which the authors are aware, this analysis of teacher effectiveness efficiently identifies a group of teachers in any one year whose affect on students is detrimental and who are in need, as a group, of extensive help. They also identify a group of teachers whose affect on students is clearly beneficial. These results have clear implications for teacher appraisal, teachers mentoring, and for individual, school, and district staff development programs.

We will add, only, that these are groups of teachers with an affect on groups of students. As always, individual teachers and circumstances must be considered. However, the

initial efficient targeting of groups of teachers for special services or for special commendation offers great opportunities for a school or district to help teachers and to help students.

Table 3: Raw NCE Means for Selected Groups

Cohort	Group	Mean 93	Mean 94	Mean 95	Mean 96	Percentile 93	Percentile 96	Difference
R4	111	57.20	40.83	33.26	33.41	63.19	21.89	-41.30
	314	57.26	53.57	43.04	50.15	63.30	50.29	-13.01
	535	56.62	60.48	52.41	59.74	62.15	67.56	5.41
	555	53.07	58.87	53.99	55.02	55.70	59.29	3.58
	324	53.07	53.67	47.42	50.02	55.72	50.04	-5.68
	112	55.80	39.20	33.07	30.59	60.69	18.20	-42.49
M4	121	54.11	43.80	44.35	44.42	57.63	39.70	-17.93
	242	54.06	51.02	56.60	55.10	57.53	59.42	1.89
	523	54.10	64.69	49.10	58.02	57.59	64.62	7.03
	555	57.14	72.27	66.36	74.59	63.08	87.49	24.41
	451	57.14	57.25	67.38	49.11	63.08	48.34	-14.73
	151	59.82	44.69	64.34	49.66	67.69	49.37	-18.32
R5	112	45.21	31.33	31.15	34.82	41.13	23.88	-17.24
	235	43.95	35.82	36.07	43.70	38.85	38.41	-0.44
	415	43.87	45.14	40.09	46.13	38.71	42.82	4.11
	545	54.66	56.17	53.75	60.03	58.63	68.05	9.42
	351	56.95	45.79	59.96	45.64	62.75	41.91	-20.84
	123	54.14	40.23	39.01	37.23	57.68	27.51	-30.17
M5	111	54.02	30.43	37.72	36.93	57.45	27.05	-30.40
	323	53.83	47.90	52.23	53.29	57.11	56.11	-1.00
	455	52.52	50.42	66.56	65.72	54.70	76.88	22.19
	555	51.01	54.60	63.11	64.84	51.89	75.61	23.72
	424	53.22	53.32	51.33	53.07	55.99	55.71	-0.28
	123	51.30	35.17	43.70	48.47	52.42	47.15	-5.27
R6	122	55.47	36.54	39.12	45.62	60.10	41.89	-18.21
	235	53.31	47.33	47.01	55.83	56.15	60.74	4.59
	555	54.97	58.29	63.62	64.84	59.20	75.62	16.43
	555	54.97	58.29	63.62	64.84	59.20	75.62	16.43
	342	55.13	48.20	53.97	50.42	59.48	50.79	-8.70
	115	56.67	48.49	42.49	49.70	62.25	49.43	-12.82
M6	122	69.62	57.21	53.28	59.59	82.06	67.31	-14.75
	444	68.08	65.88	61.91	69.54	80.12	81.97	1.85
	555	65.28	74.48	73.51	80.83	76.25	92.54	16.28
	553	55.50	62.38	66.61	62.51	60.14	72.08	11.94
	235	55.41	48.01	46.50	55.83	59.98	60.75	0.76
	121	55.45	41.44	41.52	41.66	60.05	34.82	-25.24

Table 3: Raw NCE Means for Selected Groups

Cohort	Group	Mean 93	Mean 94	Mean 95	Mean 96	Percentile 93	Percentile 96	Difference
R7	111	42.87	35.64	40.29	33.41	36.94	21.89	-15.05
	233	41.85	39.51	45.39	38.61	35.15	29.71	-5.44
	552	42.90	50.83	53.14	44.99	36.99	40.73	3.74
	545	59.17	64.61	63.79	61.01	66.60	69.68	3.08
	244	60.20	53.78	61.00	57.06	68.34	62.93	-5.41
	135	59.45	48.51	57.54	53.50	67.08	56.50	-10.57
M7	113	45.87	34.04	33.43	37.72	42.34	28.29	-14.05
	223	44.02	43.30	42.75	40.91	38.99	33.54	-5.45
	533	45.16	59.51	57.82	51.37	41.05	52.56	11.51
	535	50.75	58.22	56.41	55.25	51.40	59.70	8.30
	333	50.84	49.40	49.96	47.33	51.56	45.04	-6.53
	211	50.39	45.49	39.83	41.05	50.74	33.77	-16.96
R8	112	40.84	34.07	31.46	31.98	33.42	19.96	-13.46
	233	40.02	41.42	38.91	37.84	32.03	28.48	-3.55
	553	40.85	51.30	42.77	45.36	33.43	41.40	7.98
	544	44.82	53.75	49.48	46.77	40.43	44.00	3.58
	424	44.73	47.54	39.01	40.85	40.27	33.43	-6.85
	133	44.82	40.17	39.16	36.43	40.43	26.27	-14.15
M8	141	52.15	46.88	46.99	41.97	54.00	35.36	-18.63
	412	52.85	59.17	46.61	46.68	55.30	43.83	-11.47
	544	52.75	63.64	54.61	54.24	55.12	57.87	2.75
	543	48.28	56.62	50.70	50.21	46.79	50.38	3.59
	433	49.93	50.14	47.50	47.24	49.86	44.87	-4.99
	133	48.09	41.32	38.29	44.81	46.43	40.40	-6.03

Figure 1: Four Sets of Grade 4 Sequences

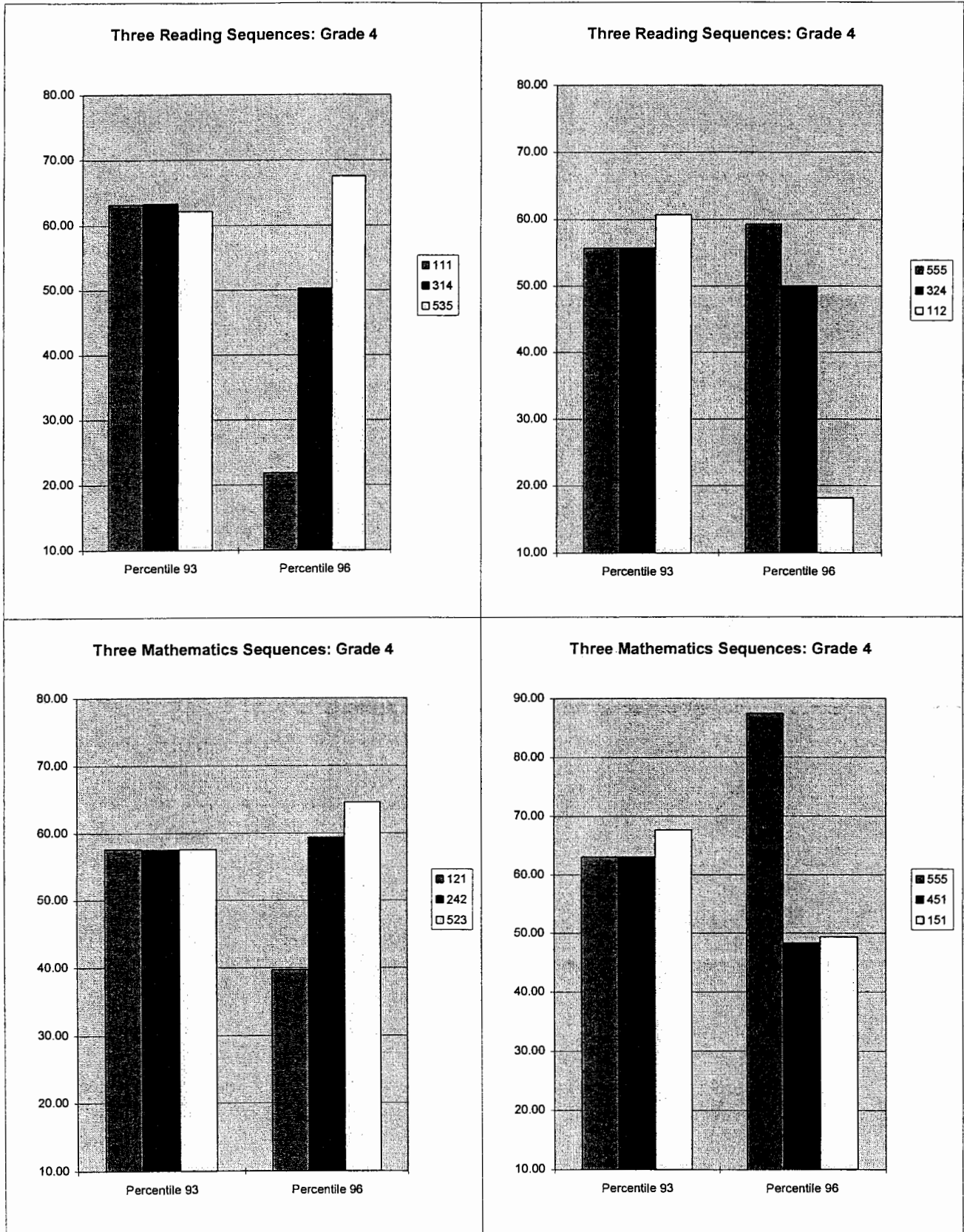


Figure 2: Four Sets of Grade 5 Sequences

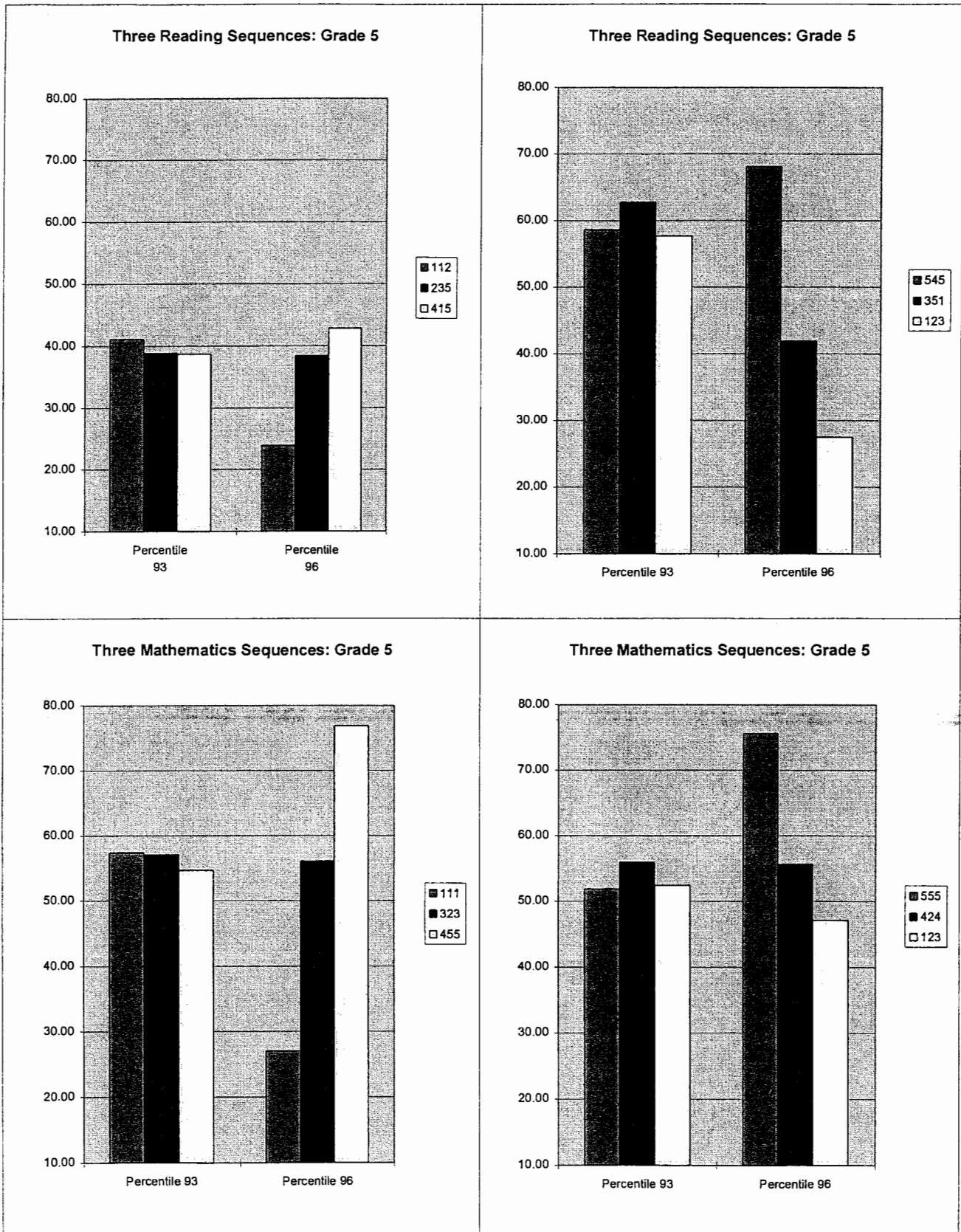


Figure 3: Four Sets of Grade 6 Sequences

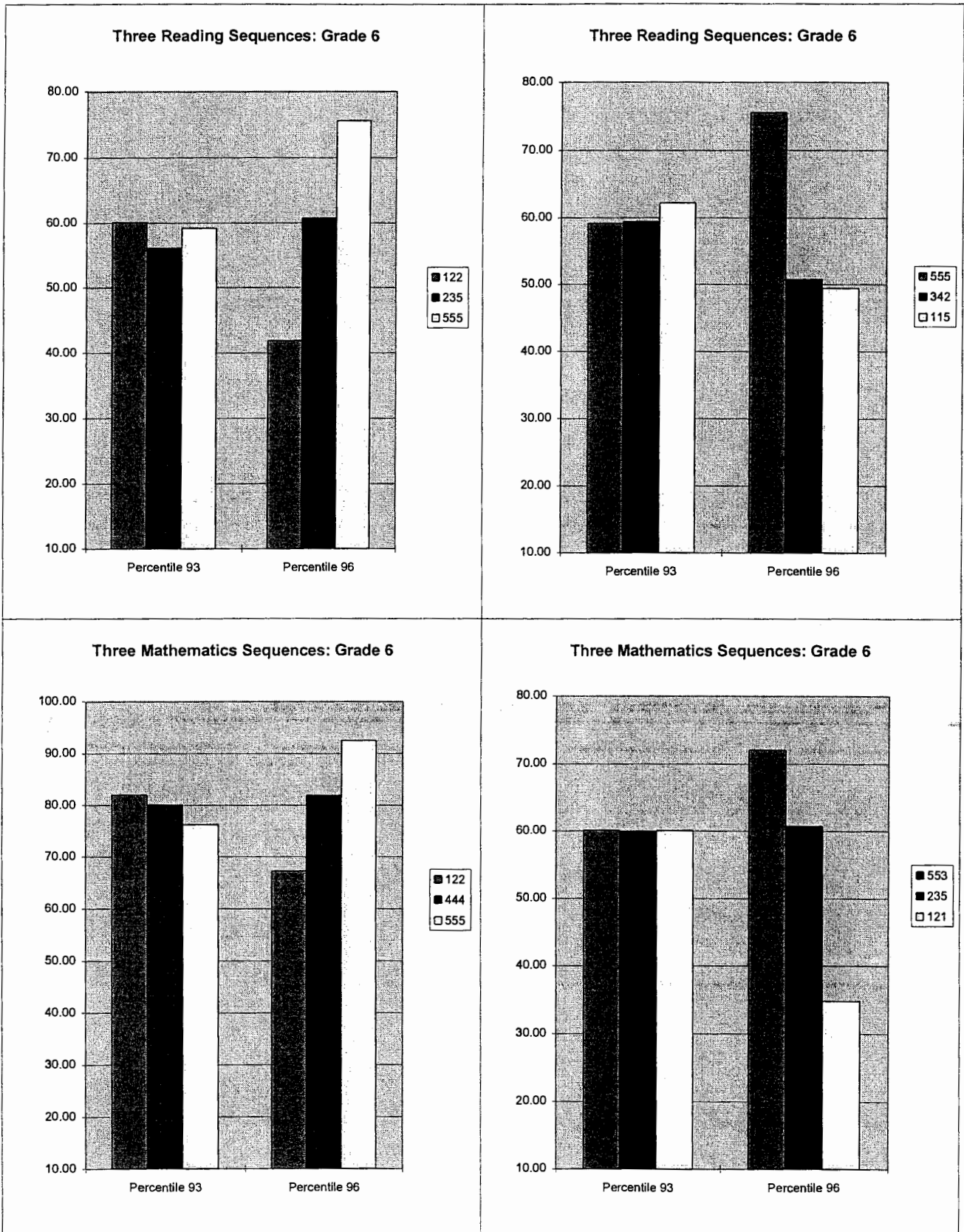


Figure 4: Four Sets of Grade 7 Sequences

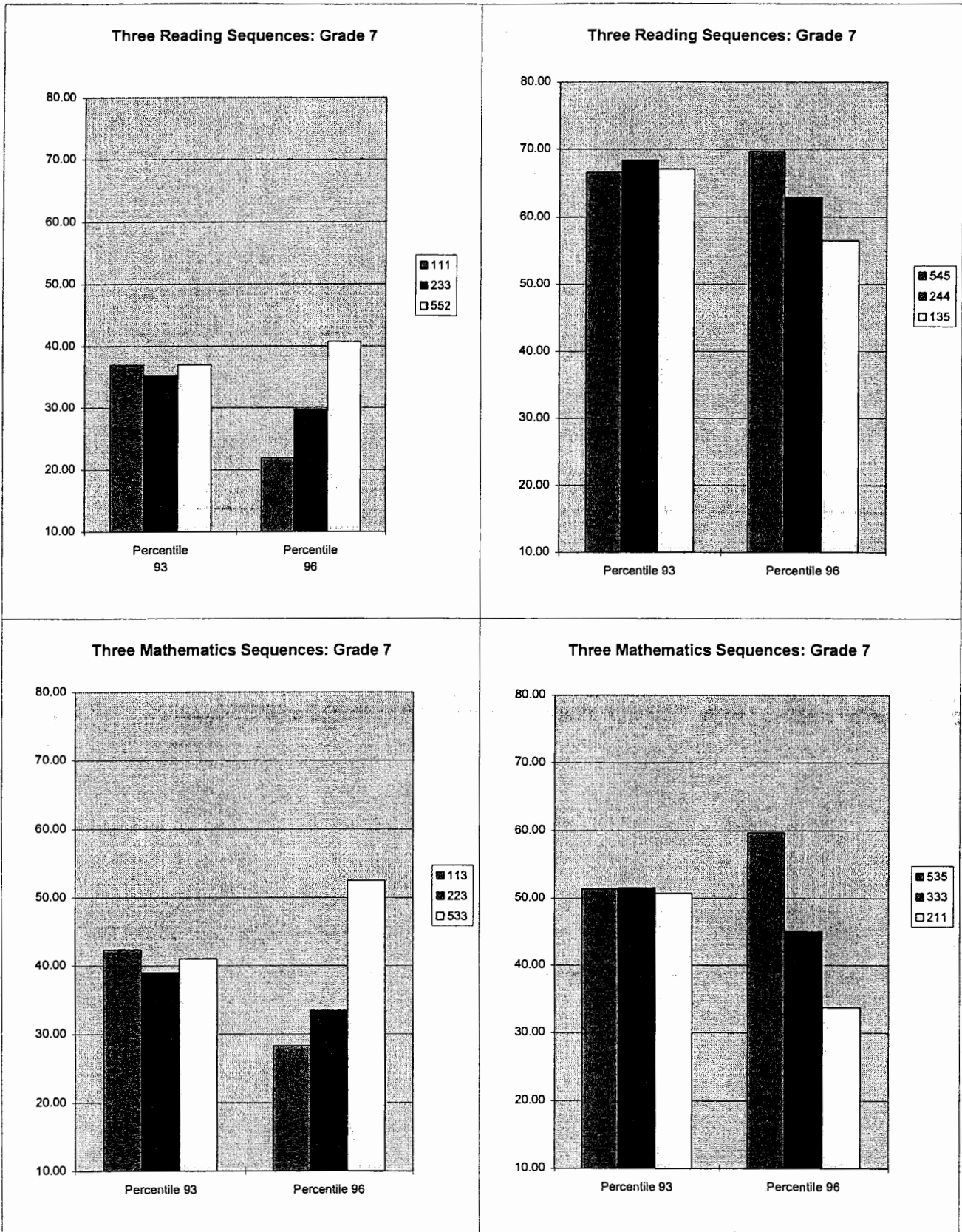
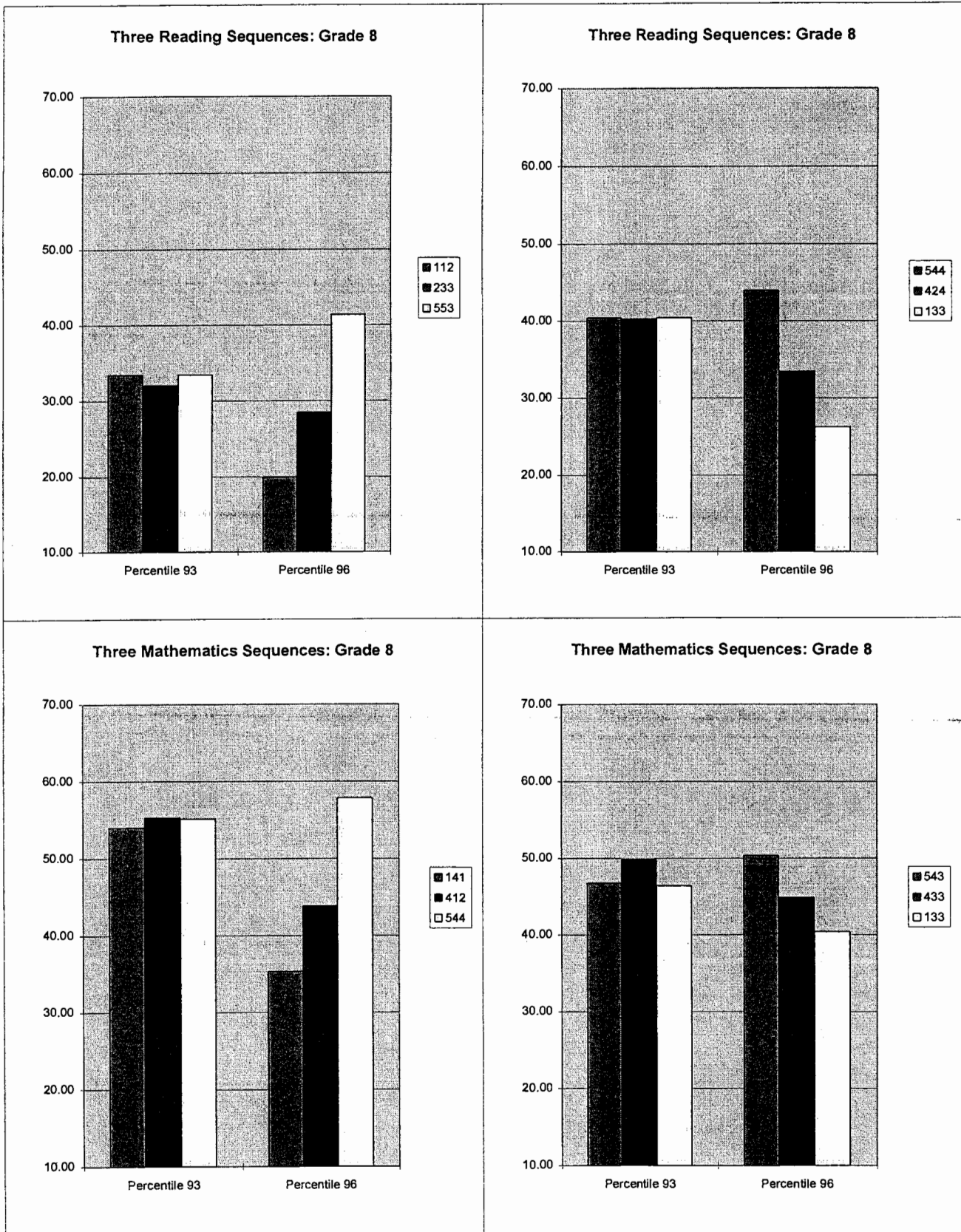


Figure 5: Four Sets of Grade 8 Sequences



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Appendix

Table A1
Group Effect Sizes

Group	M4	M5	M6	M7	M8	Group	R4	R5	R6	R7	R8
111	1	1	1	7	1	111	2	7	1	4	17
211	10	1	4	5	3	211	15	11	1	12	1
311	13	6	44	13	9	311	6	19	10	2	56
411	13	12	11	4	2	411	8	1	23	9	48
511	13	4	4	27	8	511	19	7	37	17	39
121	3	4	15	1	1	121	23	8	5	1	3
221	3	1	13	2	10	221	3	6	18	18	3
321	44	33	43	25	6	321	13	60	4	12	7
421	49	18	42	10	23	421	26	3	19	64	15
521	5	20	25	17	30	521	47	12	13	8	59
131	7	6	9	2	1	131	3	13	8	3	9
231	2	4	4	9	12	231	11	4	16	15	36
331	27	11	15	22	4	331	16	28	22	28	24
431	29	21	16	17	38	431	16	40	42	14	52
531	22	23	25	37	17	531	5	88	40	60	49
141	41	36	65	3	4	141	8	3	6	31	28
241	19	11	16	2	7	241	17	6	5	2	6
341	10	49	37	19	51	341	23	1	18	11	29
441	56	22	44	27	16	441	44	25	22	36	4
541	15	23	19	31	38	541	48	54	30	29	62
151	39	8	2	13	21	151	1	4	17	26	14
251	4	6	22	32	30	251	8	9	13	1	14
351	48	34	48	17	32	351	59	24	13	37	56
451	30	10	6	20	48	451	24	40	29	46	33
551	4	9	1	46	49	551	6	31	18	28	47
112	13	9	13	1	19	112	1	4	9	4	4
212	54	21	48	21	14	212	16	57	8	24	1
312	25	23	23	9	52	312	53	6	18	12	11
412	20	7	31	15	20	412	27	28	26	25	9
512	29	22	18	56	33	512	8	28	30	71	45
122	20	8	14	8	9	122	4	6	9	24	16
222	40	28	70	37	53	222	36	57	20	16	32
322	17	19	11	26	30	322	30	52	20	8	40
422	13	40	8	27	29	422	59	50	26	38	38
522	16	31	4	23	46	522	29	32	41	42	20
132	8	16	8	58	13	132	10	11	12	10	2
232	37	32	29	31	62	232	25	37	58	20	21
332	15	35	24	35	55	332	37	24	61	31	54
432	46	49	24	32	63	432	77	50	78	39	26
532	40	32	19	37	73	532	79	38	58	40	44
142	16	11	18	32	36	142	35	44	6	25	15
242	72	45	71	37	41	242	50	23	31	43	26

Table A1
Group Effect Sizes

Group	M4	M5	M6	M7	M8	Group	R4	R5	R6	R7	R8
342	57	51	60	64	35	342	85	40	31	59	78
442	8	54	15	44	52	442	43	66	41	19	36
542	74	70	83	51	45	542	65	77	18	44	38
152	22	9	54	20	39	152	5	6	9	30	22
252	9	40	29	34	49	252	48	43	24	7	8
352	57	50	52	64	56	352	41	63	46	51	89
452	94	60	41	38	84	452	62	63	80	33	50
552	52	65	46	74	84	552	61	86	41	70	48
113	45	18	9	3	3	113	17	15	19	1	20
213	23	16	34	13	57	213	13	66	22	35	20
313	40	48	39	42	15	313	10	74	35	24	64
413	52	48	33	40	20	413	31	30	48	64	15
513	68	48	52	57	31	513	54	30	29	66	73
123	18	24	17	10	10	123	20	1	43	5	12
223	29	55	29	25	23	223	47	26	31	49	78
323	27	49	54	39	37	323	33	63	49	37	5
423	39	41	44	54	34	423	38	69	25	81	20
523	44	56	80	64	65	523	64	87	89	78	59
133	9	11	9	19	31	133	16	42	75	50	16
233	26	29	17	56	50	233	69	39	64	31	40
333	79	87	88	31	36	333	48	75	44	63	51
433	71	70	82	77	43	433	78	76	61	65	66
533	90	84	90	80	52	533	65	86	93	79	69
143	46	57	48	41	23	143	20	15	19	39	47
243	10	38	32	57	44	243	40	70	76	49	27
343	82	69	74	78	43	343	69	71	75	82	62
443	90	63	70	93	37	443	66	55	68	67	95
543	49	56	65	62	71	543	73	50	85	73	69
153	56	63	69	20	69	153	16	45	76	26	41
253	56	77	66	53	88	253	68	18	25	25	29
353	87	73	93	60	82	353	71	52	82	24	73
453	77	73	71	61	79	453	76	66	79	45	23
553	95	68	86	70	84	553	81	73	64	21	78
114	28	31	10	19	20	114	14	27	65	10	39
214	9	32	81	89	45	214	35	61	6	60	20
314	27	54	28	71	18	314	69	35	57	81	49
414	65	58	58	90	46	414	62	44	70	74	76
514	50	60	40	86	82	514	51	13	81	75	52
124	40	39	34	24	58	124	73	49	43	59	28
224	57	50	69	74	61	224	69	25	42	51	58
324	59	76	76	64	72	324	78	25	50	83	21
424	81	58	51	56	70	424	79	56	61	51	51

Table A1
Group Effect Sizes

Group	M4	M5	M6	M7	M8	Group	R4	R5	R6	R7	R8
524	72	84	81	94	59	524	78	80	86	55	63
134	34	28	29	54	50	134	39	47	46	68	61
234	75	53	65	71	56	234	26	58	59	80	75
334	63	78	66	66	42	334	80	57	63	70	92
434	83	75	79	47	18	434	72	90	83	78	60
534	91	84	75	94	75	534	79	73	89	79	68
144	78	81	84	55	63	144	57	75	57	39	16
244	61	64	78	42	87	244	75	88	62	83	38
344	84	80	73	76	56	344	73	96	79	52	67
444	92	76	83	64	96	444	78	86	94	88	61
544	63	81	79	91	77	544	97	75	92	97	87
154	92	92	94	51	59	154	23	72	20	39	58
254	80	78	89	93	73	254	62	94	58	79	68
354	94	87	70	78	78	354	55	60	78	56	89
454	78	89	48	84	83	454	88	92	86	76	74
554	60	68	35	92	96	554	92	76	96	77	93
115	57	52	70	63	49	115	63	59	25	35	73
215	42	54	40	59	75	215	47	81	22	78	57
315	56	67	62	93	44	315	73	85	91	92	91
415	68	68	54	78	80	415	44	75	86	77	91
515	70	81	71	68	49	515	54	72	41	95	90
125	82	83	46	56	62	125	66	35	83	82	70
225	87	85	84	89	88	225	77	76	64	78	67
325	66	95	63	77	75	325	85	86	94	96	95
425	65	86	95	79	75	425	87	48	87	92	67
525	66	87	78	90	88	525	90	82	77	97	81
135	67	78	68	52	93	135	77	75	63	66	87
235	87	78	87	96	63	235	93	51	71	74	74
335	41	91	85	92	85	335	94	87	84	92	95
435	82	96	96	95	78	435	87	93	79	89	99
535	90	92	94	86	79	535	97	80	95	89	85
145	95	90	93	53	70	145	69	68	86	69	97
245	95	90	93	62	94	245	90	92	78	86	49
345	71	84	60	74	85	345	92	76	90	92	75
445	91	94	74	93	74	445	99	97	85	84	94
545	99	98	93	92	96	545	89	99	96	96	92
155	27	43	37	98	96	155	77	90	82	77	82
255	94	93	99	96	97	255	85	77	94	91	83
355	97	95	99	93	90	355	98	93	97	88	98
455	76	97	60	84	98	455	96	86	90	98	98
555	99	96	97	90	99	555	88	86	98	92	92

TABLE B1

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R4

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
111	24	57.200	40.825	33.258	33.408	-16.375	-23.942	-23.792
112	18	55.800	39.200	33.072	30.589	-16.600	-22.728	-25.211
113	22	44.323	29.109	25.900	33.905	-15.214	-18.423	-10.418
114	22	47.036	36.995	32.350	34.455	-10.041	-14.686	-12.582
115	22	52.027	37.282	31.855	46.591	-14.745	-20.173	-5.436
121	9	56.400	43.244	36.811	39.711	-13.156	-19.589	-16.689
122	12	49.983	36.442	36.100	29.958	-13.542	-13.883	-20.025
123	21	61.305	40.548	39.105	42.586	-20.757	-22.200	-18.719
124	23	52.600	45.057	43.396	48.909	-7.543	-9.204	-3.691
125	18	59.006	50.011	40.894	50.583	-8.994	-18.111	-8.422
131	33	52.330	39.273	39.848	32.415	-13.058	-12.482	-19.915
132	30	64.513	48.360	43.793	42.017	-16.153	-20.720	-22.497
133	25	61.604	39.912	41.364	42.604	-21.692	-20.240	-19.000
134	34	59.712	43.806	45.012	46.453	-15.906	-14.700	-13.259
135	33	61.497	48.733	46.645	53.852	-12.764	-14.852	-7.645
141	18	47.867	36.244	38.706	32.139	-11.622	-9.161	-15.728
142	32	56.738	42.975	48.187	44.147	-13.763	-8.550	-12.591
143	34	57.694	42.694	45.424	41.929	-15.000	-12.271	-15.765
144	36	57.447	44.336	47.203	48.031	-13.111	-10.244	-9.417
145	30	55.937	42.367	39.800	49.437	-13.570	-16.137	-6.500
151	44	59.502	43.011	59.141	33.311	-16.491	-0.361	-26.191
152	20	66.890	44.500	55.235	40.165	-22.390	-11.655	-26.725
153	16	63.225	41.306	53.375	41.444	-21.919	-9.850	-21.781
154	15	66.380	46.313	59.073	45.967	-20.067	-7.307	-20.413
155	25	59.644	44.508	53.436	52.804	-15.136	-6.208	-6.840
211	18	45.606	36.672	30.644	33.561	-8.933	-14.961	-12.044
212	25	45.208	36.836	31.608	34.484	-8.372	-13.600	-10.724
213	20	54.975	44.170	38.340	37.940	-10.805	-16.635	-17.035
214	28	55.236	47.475	39.400	43.243	-7.761	-15.836	-11.993
215	32	57.000	47.309	35.322	46.181	-9.691	-21.678	-10.819
221	32	58.006	46.528	41.616	35.147	-11.478	-16.391	-22.859
222	25	58.260	47.380	43.504	44.904	-10.880	-14.756	-13.356
223	35	55.586	45.006	42.557	45.740	-10.580	-13.029	-9.846
224	36	60.303	52.953	47.381	51.156	-7.350	-12.922	-9.147
225	30	54.563	46.060	40.030	50.477	-8.503	-14.533	-4.087
231	31	56.561	45.642	47.955	38.648	-10.919	-8.606	-17.913
232	34	55.432	46.644	46.909	41.744	-8.788	-8.524	-13.688
233	35	61.183	53.043	52.229	52.077	-8.140	-8.954	-9.106
234	18	55.622	46.811	38.333	41.539	-8.811	-17.289	-14.083
235	21	55.024	49.619	48.129	55.995	-5.405	-6.895	0.971
241	24	47.342	39.567	45.150	35.325	-7.775	-2.192	-12.017
242	26	49.035	47.523	48.377	42.996	-1.512	-0.658	-6.038
243	18	66.656	53.939	57.611	50.133	-12.717	-9.044	-16.522
244	41	60.427	52.720	53.968	52.746	-7.707	-6.459	-7.680
245	33	62.788	53.567	52.445	58.194	-9.221	-10.342	-4.594

TABLE B1

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R4

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
251	65	57.763	43.295	54.642	39.068	-14.468	-3.122	-18.695
252	37	61.727	50.068	57.505	48.973	-11.659	-4.222	-12.754
253	24	61.258	54.225	55.783	52.267	-7.033	-5.475	-8.992
254	19	56.368	42.742	55.126	48.600	-13.626	-1.242	-7.768
255	20	57.910	46.530	49.895	54.230	-11.380	-8.015	-3.680
311	19	49.642	43.774	33.326	31.937	-5.868	-16.316	-17.705
312	15	52.407	47.873	38.960	45.087	-4.533	-13.447	-7.320
313	25	50.536	42.648	30.588	35.168	-7.888	-19.948	-15.368
314	28	57.264	53.571	43.043	50.154	-3.693	-14.221	-7.111
315	39	53.497	44.536	37.138	49.085	-8.962	-16.359	-4.413
321	25	60.120	46.340	39.496	40.932	-13.780	-20.624	-19.188
322	31	50.419	43.252	40.435	40.013	-7.168	-9.984	-10.406
323	23	56.043	49.770	42.683	43.274	-6.274	-13.361	-12.770
324	31	53.074	53.668	47.419	50.019	0.594	-5.655	-3.055
325	32	48.294	46.147	41.234	49.378	-2.147	-7.059	1.084
331	25	53.360	46.724	48.636	38.232	-6.636	-4.724	-15.128
332	40	56.353	53.230	50.725	44.540	-3.123	-5.628	-11.813
333	26	56.319	52.081	53.562	46.185	-4.238	-2.758	-10.135
334	28	59.239	56.339	55.414	53.300	-2.900	-3.825	-5.939
335	20	61.650	61.085	51.170	60.675	-0.565	-10.480	-0.975
341	27	54.426	49.519	53.681	40.470	-4.907	-0.744	-13.956
342	15	70.720	58.547	63.053	60.420	-12.173	-7.667	-10.300
343	46	56.020	48.400	53.374	49.474	-7.620	-2.646	-6.546
344	24	66.875	57.763	56.742	55.883	-9.113	-10.133	-10.992
345	13	54.623	48.923	55.223	57.131	-5.700	0.600	2.508
351	22	58.359	50.164	64.436	48.895	-8.195	6.077	-9.464
352	11	44.509	38.473	40.200	38.782	-6.036	-4.309	-5.727
353	15	54.080	50.920	46.113	49.520	-3.160	-7.967	-4.560
354	18	68.056	54.939	59.994	53.739	-13.117	-8.061	-14.317
355	16	52.381	52.975	66.275	59.856	0.594	13.894	7.475
411	24	48.562	44.458	34.267	33.442	-4.104	-14.296	-15.121
412	22	47.377	43.882	35.105	37.845	-3.495	-12.273	-9.532
413	19	45.926	48.174	35.432	37.711	2.247	-10.495	-8.216
414	19	56.974	50.363	39.895	48.842	-6.611	-17.079	-8.132
415	12	53.558	51.517	35.517	43.825	-2.042	-18.042	-9.733
421	26	54.738	49.196	42.035	41.346	-5.542	-12.704	-13.392
422	53	52.860	53.364	47.081	46.043	0.504	-5.779	-6.817
423	37	60.211	54.349	50.830	46.743	-5.862	-9.381	-13.468
424	30	61.097	63.110	55.510	54.450	2.013	-5.587	-6.647
425	12	64.183	57.783	57.658	58.642	-6.400	-6.525	-5.542
431	19	51.937	52.300	47.163	37.289	0.363	-4.774	-14.647
432	32	60.259	57.916	56.000	53.025	-2.344	-4.259	-7.234
433	31	55.668	61.803	55.632	51.090	6.135	-0.035	-4.577
434	31	66.974	63.881	59.406	55.613	-3.094	-7.568	-11.361
435	12	52.717	53.758	53.583	53.975	1.042	0.867	1.258

TABLE B1

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R4

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
441	35	53.534	52.294	54.837	44.089	-1.240	1.303	-9.446
442	26	60.127	56.654	56.546	47.477	-3.473	-3.581	-12.650
443	44	55.786	51.261	54.420	48.775	-4.525	-1.366	-7.011
444	22	57.991	55.468	54.182	52.745	-2.523	-3.809	-5.245
445	33	63.945	59.915	62.567	65.639	-4.030	-1.379	1.694
451	28	51.386	45.125	61.268	39.336	-6.261	9.882	-12.050
452	20	46.865	46.230	63.410	44.370	-0.635	16.545	-2.495
453	23	53.796	52.239	59.122	50.035	-1.557	5.326	-3.761
454	33	49.400	48.848	56.058	50.730	-0.552	6.658	1.330
455	10	62.500	69.250	68.650	64.940	6.750	6.150	2.440
511	31	49.774	56.077	41.884	37.700	6.303	-7.890	-12.074
512	35	51.857	55.100	37.997	35.429	3.243	-13.860	-16.429
513	24	43.317	56.108	38.779	40.875	12.792	-4.538	-2.442
514	21	50.067	60.167	44.500	43.629	10.100	-5.567	-6.438
515	17	48.212	56.482	32.182	43.235	8.271	-16.029	-4.976
521	19	50.205	59.642	48.400	42.874	9.437	-1.805	-7.332
522	35	52.766	53.526	41.620	41.160	0.760	-11.146	-11.606
523	23	54.083	55.878	50.035	47.765	1.796	-4.048	-6.317
524	23	51.983	55.339	39.265	49.639	3.357	-12.717	-2.343
525	22	51.050	55.923	45.741	52.859	4.873	-5.309	1.809
531	31	50.868	51.477	45.374	32.877	0.610	-5.494	-17.990
532	22	50.741	53.018	46.295	49.355	2.277	-4.445	-1.386
533	26	61.027	60.292	50.681	51.085	-0.735	-10.346	-9.942
534	53	56.772	59.738	52.974	51.532	2.966	-3.798	-5.240
535	30	56.617	60.483	52.410	59.740	3.867	-4.207	3.123
541	18	53.211	55.911	54.856	44.811	2.700	1.644	-8.400
542	24	62.725	62.971	63.058	52.925	0.246	0.333	-9.800
543	15	65.213	66.827	59.027	55.653	1.613	-6.187	-9.560
544	26	67.742	71.050	68.477	64.731	3.308	0.735	-3.012
545	21	63.171	65.848	58.329	58.629	2.676	-4.843	-4.543
551	60	52.353	55.337	68.048	34.943	2.983	15.695	-17.410
552	6	56.900	58.900	57.200	49.533	2.000	0.300	-7.367
553	24	53.700	61.129	57.783	51.004	7.429	4.083	-2.696
554	43	63.905	67.100	65.635	59.033	3.195	1.730	-4.872
555	9	53.067	58.867	53.989	55.022	5.800	0.922	1.956

TABLE B2

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R5

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
111	16	42.187	30.250	30.950	31.850	-11.937	-11.237	-10.337
112	35	45.206	31.329	31.146	34.820	-13.877	-14.060	-10.386
113	26	45.227	31.154	33.562	38.904	-14.073	-11.665	-6.323
114	32	51.262	35.697	35.016	43.131	-15.566	-16.247	-8.131
115	42	46.852	36.714	37.017	44.086	-10.138	-9.836	-2.767
121	13	46.554	35.908	39.523	36.408	-10.646	-7.031	-10.146
122	33	48.939	37.330	38.630	38.842	-11.609	-10.309	-10.097
123	28	54.143	40.225	39.007	37.225	-13.918	-15.136	-16.918
124	18	46.844	35.367	40.561	43.328	-11.478	-6.283	-3.517
125	26	48.765	37.273	37.531	43.096	-11.492	-11.235	-5.669
131	16	46.181	36.944	38.956	35.681	-9.237	-7.225	-10.500
132	28	49.036	33.721	36.414	40.068	-15.314	-12.621	-8.968
133	37	47.978	37.516	41.386	43.678	-10.462	-6.592	-4.300
134	24	57.363	42.875	48.800	49.029	-14.487	-8.563	-8.333
135	27	47.015	38.152	45.070	47.481	-8.863	-1.944	0.467
141	30	52.940	37.160	46.277	38.487	-15.780	-6.663	-14.453
142	28	49.096	36.404	43.611	44.064	-12.693	-5.486	-5.032
143	19	56.542	40.937	46.053	43.521	-15.605	-10.489	-13.021
144	17	50.106	40.812	53.565	48.624	-9.294	3.459	-1.482
145	15	48.487	36.833	42.673	46.540	-11.653	-5.813	-1.947
151	25	60.512	40.592	66.824	42.632	-19.920	6.312	-17.880
152	29	56.221	37.966	54.434	41.855	-18.255	-1.786	-14.366
153	30	57.687	38.930	57.540	48.830	-18.757	-0.147	-8.857
154	20	56.485	39.950	54.760	51.785	-16.535	-1.725	-4.700
155	18	52.361	41.406	48.717	53.044	-10.956	-3.644	0.683
211	18	39.928	35.883	36.072	33.678	-4.044	-3.856	-6.250
212	13	40.831	33.892	32.392	42.685	-6.938	-8.438	1.854
213	15	46.587	38.547	34.600	46.693	-8.040	-11.987	0.107
214	30	46.993	40.517	36.163	44.660	-6.477	-10.830	-2.333
215	19	47.963	42.605	40.042	49.216	-5.358	-7.921	1.253
221	25	43.724	36.812	40.688	34.324	-6.912	-3.036	-9.400
222	21	44.290	39.333	43.095	42.210	-4.957	-1.195	-2.081
223	27	52.615	42.619	43.856	43.926	-9.996	-8.759	-8.689
224	24	48.963	40.279	37.783	40.900	-8.683	-11.179	-8.063
225	30	53.183	40.170	45.233	50.067	-13.013	-7.950	-3.117
231	29	47.700	39.728	41.038	35.059	-7.972	-6.662	-12.641
232	18	58.422	44.783	51.044	48.133	-13.639	-7.378	-10.289
233	47	52.206	44.179	47.947	45.240	-8.028	-4.260	-6.966
234	24	54.421	45.204	45.150	48.583	-9.217	-9.271	-5.838
235	17	43.947	35.824	36.071	43.700	-8.124	-7.876	-0.247
241	13	57.323	43.346	43.169	39.962	-13.977	-14.154	-17.362
242	35	47.623	37.640	44.726	40.277	-9.983	-2.897	-7.346
243	26	52.846	44.935	51.481	48.946	-7.912	-1.365	-3.900
244	33	54.694	46.418	50.236	52.918	-8.276	-4.458	-1.776
245	22	57.014	45.218	50.682	55.900	-11.795	-6.332	-1.114

TABLE B2

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R5

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
251	37	55.103	42.068	54.341	42.211	-13.035	-0.762	-12.892
252	17	56.241	48.629	54.647	47.624	-7.612	-1.594	-8.618
253	33	65.594	46.400	55.088	47.682	-19.194	-10.506	-17.912
254	39	54.818	48.923	60.236	54.697	-5.895	5.418	-0.121
255	22	60.023	44.845	54.368	55.100	-15.177	-5.655	-4.923
311	20	40.815	36.770	38.675	35.905	-4.045	-2.140	-4.910
312	31	43.342	37.565	36.942	35.465	-5.777	-6.400	-7.877
313	16	42.838	46.613	35.606	42.231	3.775	-7.231	-0.606
314	35	49.126	45.734	43.471	43.314	-3.391	-5.654	-5.811
315	35	51.017	44.900	44.660	49.871	-6.117	-6.357	-1.146
321	22	40.591	38.959	39.314	38.323	-1.632	-1.277	-2.268
322	34	49.435	42.106	39.688	44.738	-7.329	-9.747	-4.697
323	19	49.037	42.747	42.974	46.411	-6.289	-6.063	-2.626
324	28	50.214	46.714	42.964	42.143	-3.500	-7.250	-8.071
325	30	49.880	43.277	43.033	49.277	-6.603	-6.847	-0.603
331	15	44.807	40.133	44.640	38.553	-4.673	-0.167	-6.253
332	36	48.772	41.481	43.142	41.300	-7.292	-5.631	-7.472
333	23	46.596	42.061	45.022	45.687	-4.535	-1.574	-0.909
334	22	57.514	46.523	48.586	50.295	-10.991	-8.927	-7.218
335	19	56.537	48.505	52.574	54.795	-8.032	-3.963	-1.742
341	28	49.521	40.600	44.975	34.089	-8.921	-4.546	-15.432
342	42	49.374	42.902	49.543	43.769	-6.471	0.169	-5.605
343	38	48.287	39.989	46.855	46.824	-8.297	-1.432	-1.463
344	21	52.486	50.100	51.629	54.810	-2.386	-0.857	2.324
345	32	51.966	43.931	47.850	49.266	-8.034	-4.116	-2.700
351	28	56.954	45.789	59.961	45.636	-11.164	3.007	-11.318
352	29	52.017	47.393	52.328	47.517	-4.624	0.310	-4.500
353	25	61.536	46.956	55.744	51.708	-14.580	-5.792	-9.828
354	33	56.736	46.279	56.055	49.876	-10.458	-0.682	-6.861
355	38	61.305	49.576	58.153	57.974	-11.729	-3.153	-3.332
411	18	39.600	39.883	34.411	28.022	0.283	-5.189	-11.578
412	26	37.846	38.115	32.735	34.092	0.269	-5.112	-3.754
413	14	46.521	43.150	36.336	39.929	-3.371	-10.186	-6.593
414	30	42.783	42.900	38.460	39.883	0.117	-4.323	-2.900
415	17	43.865	45.141	40.088	46.129	1.276	-3.776	2.265
421	23	45.835	38.165	38.757	33.900	-7.670	-7.078	-11.935
422	35	50.520	48.620	45.734	45.406	-1.900	-4.786	-5.114
423	18	44.967	42.533	38.844	44.578	-2.433	-6.122	-0.389
424	57	48.107	42.747	42.237	44.184	-5.360	-5.870	-3.923
425	31	48.374	44.745	38.665	43.919	-3.629	-9.710	-4.455
431	22	51.368	52.582	51.500	44.582	1.214	0.132	-6.786
432	25	48.092	42.776	46.956	43.552	-5.316	-1.136	-4.540
433	50	58.764	51.532	52.546	53.208	-7.232	-6.218	-5.556
434	40	52.165	47.495	47.613	51.620	-4.670	-4.552	-0.545
435	18	47.461	46.039	45.472	51.667	-1.422	-1.989	4.206

TABLE B2

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R5

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
441	16	42.025	42.994	43.713	36.763	0.969	1.688	-5.263
442	23	52.665	51.800	53.943	48.543	-0.865	1.278	-4.122
443	31	55.458	44.900	49.868	48.648	-10.558	-5.590	-6.810
444	18	55.733	49.333	59.400	53.983	-6.400	3.667	-1.750
445	30	55.320	50.597	49.130	56.867	-4.723	-6.190	1.547
451	51	46.829	46.373	54.120	42.259	-0.457	7.290	-4.571
452	44	55.393	50.752	59.720	49.461	-4.641	4.327	-5.932
453	5	55.920	51.440	58.100	52.740	-4.480	2.180	-3.180
454	36	58.653	54.086	59.669	56.208	-4.567	1.017	-2.444
455	8	66.888	52.050	53.888	63.738	-14.838	-13.000	-3.150
511	27	41.937	45.944	35.767	34.770	4.007	-6.170	-7.167
512	29	43.390	47.152	37.648	39.245	3.762	-5.741	-4.145
513	23	46.643	49.657	39.152	40.917	3.013	-7.491	-5.726
514	56	50.459	52.305	42.204	40.993	1.846	-8.255	-9.466
515	34	47.541	53.268	40.576	46.874	5.726	-6.965	-0.668
521	25	46.852	45.052	41.268	37.552	-1.800	-5.584	-9.300
522	42	53.595	52.433	47.245	45.133	-1.162	-6.350	-8.462
523	26	51.627	50.581	50.135	50.985	-1.046	-1.492	-0.642
524	57	50.365	53.133	47.693	48.361	2.768	-2.672	-2.004
525	31	53.716	54.745	48.871	51.335	1.029	-4.845	-2.381
531	24	52.383	55.554	56.271	51.988	3.171	3.887	-0.396
532	33	54.479	55.145	49.612	46.330	0.667	-4.867	-8.148
533	29	59.817	57.803	54.972	56.352	-2.014	-4.845	-3.466
534	26	54.631	56.462	52.827	50.573	1.831	-1.804	-4.058
535	19	54.826	54.174	47.542	52.037	-0.653	-7.284	-2.789
541	28	47.632	50.793	49.325	43.304	3.161	1.693	-4.329
542	24	55.225	51.925	50.146	51.579	-3.300	-5.079	-3.646
543	23	50.704	47.717	48.222	45.535	-2.987	-2.483	-5.170
544	33	59.985	56.830	53.873	54.030	-3.155	-6.112	-5.955
545	36	54.664	56.172	53.747	60.031	1.508	-0.917	5.367
551	20	56.035	55.880	58.605	45.940	-0.155	2.570	-10.095
552	18	57.478	63.472	64.928	55.244	5.994	7.450	-2.233
553	12	56.383	57.608	58.750	52.642	1.225	2.367	-3.742
554	19	58.368	57.895	58.084	53.474	-0.474	-0.284	-4.895
555	10	61.280	60.190	60.100	59.140	-1.090	-1.180	-2.140

TABLE B3

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R6

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
111	17	44.147	35.376	33.994	28.547	-8.771	-10.153	-15.600
112	21	42.490	34.286	34.105	38.610	-8.205	-8.386	-3.881
113	14	45.800	39.714	41.993	41.807	-6.086	-3.807	-3.993
114	21	49.057	39.829	42.186	51.962	-9.229	-6.871	2.905
115	21	56.671	48.490	42.486	49.695	-8.181	-14.186	-6.976
121	16	40.588	34.431	37.169	35.375	-6.156	-3.419	-5.212
122	29	55.472	36.538	39.117	45.621	-18.934	-16.355	-9.852
123	26	44.788	36.946	42.285	47.081	-7.842	-2.504	2.292
124	21	48.338	40.662	42.300	48.452	-7.676	-6.038	0.114
125	14	47.086	33.743	44.857	55.100	-13.343	-2.229	8.014
131	30	39.630	35.317	40.113	37.007	-4.313	0.483	-2.623
132	22	49.559	41.959	42.482	43.323	-7.600	-7.077	-6.236
133	30	45.463	41.140	48.897	51.490	-4.323	3.433	6.027
134	27	51.393	39.993	48.952	50.419	-11.400	-2.441	-0.974
135	23	46.552	33.596	41.804	50.852	-12.957	-4.748	4.300
141	54	43.637	35.257	45.743	39.544	-8.380	2.106	-4.093
142	60	47.357	34.285	40.722	42.128	-13.072	-6.635	-5.228
143	42	45.955	37.531	45.838	44.307	-8.424	-0.117	-1.648
144	43	53.907	42.942	47.958	53.102	-10.965	-5.949	-0.805
145	29	52.417	45.879	47.566	57.700	-6.538	-4.852	5.283
151	33	45.258	39.088	52.518	42.530	-6.170	7.261	-2.727
152	30	51.570	40.087	56.540	43.807	-11.483	4.970	-7.763
153	35	53.963	45.823	58.866	56.314	-8.140	4.903	2.351
154	24	58.925	44.738	54.200	50.483	-14.187	-4.725	-8.442
155	26	52.588	41.396	56.077	57.323	-11.192	3.488	4.735
211	35	43.771	38.957	38.014	34.040	-4.814	-5.757	-9.731
212	31	48.155	44.206	39.397	42.187	-3.948	-8.758	-5.968
213	27	40.511	36.852	38.030	40.415	-3.659	-2.481	-0.096
214	31	53.935	40.597	40.865	43.810	-13.339	-13.071	-10.126
215	21	59.952	50.343	48.833	50.957	-9.610	-11.119	-8.995
221	41	42.807	41.856	43.620	41.339	-0.951	0.812	-1.468
222	31	45.919	40.584	42.442	43.584	-5.335	-3.477	-2.335
223	49	58.084	49.104	50.600	52.047	-8.980	-7.484	-6.037
224	30	49.387	40.217	41.927	48.933	-9.170	-7.460	-0.453
225	21	48.929	41.567	39.543	52.529	-7.362	-9.386	3.600
231	25	43.256	39.368	41.664	40.152	-3.888	-1.592	-3.104
232	17	45.424	45.071	48.900	48.841	-0.353	3.476	3.418
233	20	41.940	41.105	48.900	47.300	-0.835	6.960	5.360
234	28	49.479	46.200	47.575	51.221	-3.279	-1.904	1.743
235	15	53.307	47.327	47.007	55.827	-5.980	-6.300	2.520
241	32	48.106	40.959	46.531	40.897	-7.147	-1.575	-7.209
242	41	48.083	40.229	49.568	46.790	-7.854	1.485	-1.293
243	43	50.860	47.556	52.779	54.309	-3.305	1.919	3.449
244	44	55.400	47.089	51.757	54.411	-8.311	-3.643	-0.989
245	16	56.281	45.906	50.638	58.875	-10.375	-5.644	2.594

TABLE B3

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R6

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
251	50	40.854	38.778	49.996	39.750	-2.076	9.142	-1.104
252	41	53.856	48.320	57.168	48.466	-5.537	3.312	-5.390
253	42	47.279	36.693	48.102	45.493	-10.586	0.824	-1.786
254	20	52.320	44.600	53.215	52.875	-7.720	0.895	0.555
255	28	53.386	54.289	56.404	61.004	0.904	3.018	7.618
311	28	46.896	48.439	38.554	40.714	1.543	-8.343	-6.182
312	22	45.609	46.391	38.205	42.527	0.782	-7.405	-3.082
313	27	51.344	48.489	49.070	48.619	-2.856	-2.274	-2.726
314	19	42.916	38.205	42.463	47.126	-4.711	-0.453	4.211
315	22	51.205	46.827	45.850	58.727	-4.377	-5.355	7.523
321	38	45.192	41.268	42.771	37.566	-3.924	-2.421	-7.626
322	29	42.728	42.152	42.921	42.076	-0.576	0.193	-0.652
323	51	52.402	46.239	50.269	51.412	-6.163	-2.133	-0.990
324	46	47.509	42.476	44.798	48.896	-5.033	-2.711	1.387
325	17	55.065	50.865	50.647	63.847	-4.200	-4.418	8.782
331	20	38.135	42.705	45.745	38.050	4.570	7.610	-0.085
332	24	49.717	49.133	53.313	51.521	-0.583	3.596	1.804
333	31	46.097	41.842	46.974	46.758	-4.255	0.877	0.661
334	19	53.789	50.626	53.747	54.484	-3.163	-0.042	0.695
335	19	52.111	51.300	52.342	57.637	-0.811	0.232	5.526
341	34	47.038	45.147	52.459	44.362	-1.891	5.421	-2.676
342	36	55.131	48.203	53.967	50.422	-6.928	-1.164	-4.708
343	30	43.203	45.983	47.863	50.303	2.780	4.660	7.100
344	31	52.890	50.713	54.068	56.316	-2.177	1.177	3.426
345	25	58.424	58.260	59.388	62.748	-0.164	0.964	4.324
351	31	43.919	38.535	48.997	40.835	-5.384	5.077	-3.084
352	36	53.394	50.069	58.394	51.547	-3.325	5.000	-1.847
353	19	44.679	43.953	52.879	52.153	-0.726	8.200	7.474
354	34	57.494	55.321	63.224	58.850	-2.174	5.729	1.356
355	33	62.597	57.612	63.952	68.094	-4.985	1.355	5.497
411	21	38.605	41.824	36.390	40.290	3.219	-2.214	1.686
412	18	46.478	45.511	36.444	44.494	-0.967	-10.033	-1.983
413	20	45.850	47.470	42.015	46.750	1.620	-3.835	0.900
414	29	46.717	48.834	45.734	50.690	2.117	-0.983	3.972
415	24	48.533	47.150	44.833	55.267	-1.383	-3.700	6.733
421	31	40.355	38.997	42.623	40.494	-1.358	2.268	0.139
422	30	46.110	45.150	44.047	43.543	-0.960	-2.063	-2.567
423	35	48.589	46.034	43.977	46.100	-2.554	-4.611	-2.489
424	12	38.717	39.008	45.083	47.183	0.292	6.367	8.467
425	25	43.752	45.336	44.688	53.856	1.584	0.936	10.104
431	31	50.997	51.332	50.610	49.303	0.335	-0.387	-1.694
432	22	64.082	59.600	60.286	63.014	-4.482	-3.795	-1.068
433	34	46.341	45.268	48.382	49.924	-1.074	2.041	3.582
434	39	49.195	52.987	49.913	54.756	3.792	0.718	5.562
435	24	47.783	46.413	47.542	53.408	-1.371	-0.242	5.625

TABLE B3

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R6

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
441	26	40.850	42.846	46.358	40.462	1.996	5.508	-0.388
442	37	53.370	53.827	53.584	50.803	0.457	0.214	-2.568
443	50	50.156	48.294	53.190	52.510	-1.862	3.034	2.354
444	15	59.533	60.440	59.393	66.513	0.907	-0.140	6.980
445	20	59.885	54.830	57.905	62.520	-5.055	-1.980	2.635
451	29	37.445	40.428	51.766	39.210	2.983	14.321	1.766
452	31	52.245	47.800	57.323	56.200	-4.445	5.077	3.955
453	55	55.158	53.938	61.962	57.431	-1.220	6.804	2.273
454	19	58.026	56.558	60.305	61.479	-1.468	2.279	3.453
455	44	55.243	53.107	56.000	60.152	-2.136	0.757	4.909
511	23	42.778	44.170	42.213	43.765	1.391	-0.565	0.987
512	43	45.995	49.228	41.537	45.184	3.233	-4.458	-0.812
513	8	45.738	46.900	39.338	43.013	1.163	-6.400	-2.725
514	21	40.638	47.390	45.224	50.657	6.752	4.586	10.019
515	22	49.159	52.236	42.273	48.300	3.077	-6.886	-0.859
521	28	44.236	50.296	47.364	40.829	6.061	3.129	-3.407
522	34	48.806	48.688	47.115	48.212	-0.118	-1.691	-0.594
523	24	48.154	53.508	49.083	55.912	5.354	0.929	7.758
524	51	52.841	55.176	51.167	57.457	2.335	-1.675	4.616
525	26	56.581	56.212	52.000	58.050	-0.369	-4.581	1.469
531	18	47.967	56.272	50.972	47.756	8.306	3.006	-0.211
532	28	49.386	56.125	52.168	51.214	6.739	2.782	1.829
533	33	63.300	66.776	63.415	67.503	3.476	0.115	4.203
534	32	53.866	55.494	57.303	59.266	1.628	3.437	5.400
535	25	57.056	60.396	55.688	63.872	3.340	-1.368	6.816
541	22	48.741	50.545	57.086	46.818	1.805	8.345	-1.923
542	21	47.719	44.890	47.219	43.881	-2.829	-0.500	-3.838
543	29	48.297	52.928	58.224	55.090	4.631	9.928	6.793
544	30	60.600	59.427	66.707	64.260	-1.173	6.107	3.660
545	12	52.067	57.175	57.050	64.058	5.108	4.983	11.992
551	39	46.321	50.136	58.164	43.682	3.815	11.844	-2.638
552	35	50.291	53.866	56.086	49.151	3.574	5.794	-1.140
553	18	57.306	62.228	62.722	56.617	4.922	5.417	-0.689
554	24	61.575	62.392	64.371	67.337	0.817	2.796	5.762
555	42	54.974	58.293	63.619	64.843	3.319	8.645	9.869

TABLE B4

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R7

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
111	24	42.871	35.638	40.292	33.408	-7.233	-2.579	-9.463
112	38	42.126	33.945	38.321	34.821	-8.182	-3.805	-7.305
113	18	54.756	38.422	42.883	35.356	-16.333	-11.872	-19.400
114	34	53.724	39.947	41.312	41.679	-13.776	-12.412	-12.044
115	14	64.836	54.036	49.279	51.357	-10.800	-15.557	-13.479
121	23	39.313	32.591	39.083	28.374	-6.722	-0.230	-10.939
122	22	41.509	33.782	44.241	37.909	-7.727	2.732	-3.600
123	21	38.924	29.852	43.100	33.443	-9.071	4.176	-5.481
124	19	42.005	41.979	43.242	42.411	-0.026	1.237	0.405
125	13	45.169	32.746	44.815	52.815	-12.423	-0.354	7.646
131	31	43.323	34.387	43.510	33.768	-8.935	0.187	-9.555
132	51	43.320	33.331	45.406	36.831	-9.988	2.086	-6.488
133	28	48.279	34.814	47.743	45.189	-13.464	-0.536	-3.089
134	40	57.185	48.945	55.062	52.223	-8.240	-2.123	-4.963
135	30	59.450	48.513	57.543	53.500	-10.937	-1.907	-5.950
141	15	38.780	32.693	42.967	36.147	-6.087	4.187	-2.633
142	46	43.343	39.335	48.891	39.430	-4.009	5.548	-3.913
143	24	48.854	41.742	49.283	44.375	-7.112	0.429	-4.479
144	31	47.748	41.161	51.819	43.155	-6.587	4.071	-4.594
145	18	53.783	45.900	53.506	49.983	-7.883	-0.278	-3.800
151	22	40.009	31.427	47.959	37.341	-8.582	7.950	-2.668
152	43	48.086	38.056	51.833	41.872	-10.030	3.747	-6.214
153	24	50.137	39.500	53.729	42.692	-10.637	3.592	-7.446
154	36	58.767	46.164	60.167	48.906	-12.603	1.400	-9.861
155	31	58.861	47.374	61.594	55.103	-11.487	2.732	-3.758
211	33	37.673	37.291	37.512	33.339	-0.382	-0.161	-4.333
212	39	40.210	34.669	38.587	37.479	-5.541	-1.623	-2.731
213	28	34.961	36.239	39.839	36.725	1.279	4.879	1.764
214	36	51.144	47.050	48.667	47.375	-4.094	-2.478	-3.769
215	19	56.947	53.074	49.679	53.984	-3.874	-7.268	-2.963
221	43	33.605	34.828	40.956	32.963	1.223	7.351	-0.642
222	41	42.134	40.534	44.324	37.205	-1.600	2.190	-4.929
223	23	43.122	38.548	43.478	41.261	-4.574	0.357	-1.861
224	48	52.100	48.456	51.444	47.190	-3.644	-0.656	-4.910
225	18	58.122	51.111	54.911	54.978	-7.011	-3.211	-3.144
231	26	44.723	40.069	45.642	36.450	-4.654	0.919	-8.273
232	25	45.940	41.352	47.704	39.720	-4.588	1.764	-6.220
233	28	41.850	39.511	45.386	38.611	-2.339	3.536	-3.239
234	40	54.943	51.590	56.277	52.967	-3.352	1.335	-1.975
235	24	59.246	56.842	60.879	54.308	-2.404	1.633	-4.938
241	26	43.996	40.650	44.965	32.062	-3.346	0.969	-11.935
242	33	54.873	48.185	53.645	47.030	-6.688	-1.227	-7.842
243	32	47.909	43.809	54.347	44.656	-4.100	6.437	-3.253
244	55	60.204	53.775	60.995	57.055	-6.429	0.791	-3.149
245	33	55.712	54.245	56.627	54.979	-1.467	0.915	-0.733

TABLE B4

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R7

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
251	34	40.688	35.018	48.321	31.162	-5.671	7.632	-9.526
252	34	46.021	37.697	50.209	37.538	-8.324	4.188	-8.482
253	23	51.400	40.787	57.570	42.722	-10.613	6.170	-8.678
254	29	54.217	49.386	59.228	52.828	-4.831	5.010	-1.390
255	30	60.960	57.020	66.387	60.247	-3.940	5.427	-0.713
311	33	35.221	34.252	37.148	29.239	-0.970	1.927	-5.982
312	31	41.068	38.671	39.926	36.158	-2.397	-1.142	-4.910
313	21	40.638	42.857	40.486	37.086	2.219	-0.152	-3.552
314	32	54.678	50.263	53.394	53.094	-4.416	-1.284	-1.584
315	23	59.852	58.500	57.309	60.096	-1.352	-2.543	0.243
321	19	38.632	38.942	46.026	33.442	0.311	7.395	-5.189
322	28	36.225	35.186	40.418	32.489	-1.039	4.193	-3.736
323	30	39.503	38.903	45.383	39.413	-0.600	5.880	-0.090
324	33	50.133	48.285	49.970	50.288	-1.848	-0.164	0.155
325	16	58.200	58.831	58.681	61.844	0.631	0.481	3.644
331	21	47.405	45.029	54.314	39.814	-2.376	6.910	-7.590
332	21	45.576	42.005	51.057	40.619	-3.571	5.481	-4.957
333	19	49.642	46.232	52.474	47.005	-3.411	2.832	-2.637
334	29	53.886	49.848	53.000	51.128	-4.038	-0.886	-2.759
335	31	60.290	58.703	60.955	60.113	-1.587	0.665	-0.177
341	13	38.015	38.531	46.746	33.738	0.515	8.731	-4.277
342	25	40.628	39.752	49.792	41.452	-0.876	9.164	0.824
343	23	52.509	52.452	53.200	52.500	-0.057	0.691	-0.009
344	40	47.180	43.598	48.912	44.820	-3.582	1.732	-2.360
345	37	60.581	56.514	60.389	60.059	-4.068	-0.192	-0.522
351	12	39.075	40.375	56.758	40.192	-1.300	17.683	1.117
352	26	44.038	42.196	54.958	40.719	-1.842	10.919	-3.319
353	19	45.537	45.663	56.763	40.179	0.126	11.226	-5.358
354	33	46.200	45.521	54.679	44.864	-0.679	8.479	-1.336
355	34	65.191	59.471	67.776	61.391	-5.721	2.585	-3.800
411	16	41.406	40.063	40.913	33.644	-1.344	-0.494	-7.763
412	22	29.936	35.273	33.405	31.882	5.336	3.468	1.945
413	16	42.256	45.244	41.594	43.688	2.987	-0.663	1.431
414	25	36.976	40.132	38.332	42.588	3.156	1.356	5.612
415	29	54.638	56.686	56.476	52.731	2.048	1.838	-1.907
421	17	34.882	35.559	38.129	37.853	0.676	3.247	2.971
422	29	45.176	44.710	47.659	41.372	-0.466	2.483	-3.803
423	25	39.064	44.612	49.684	44.376	5.548	10.620	5.312
424	48	49.860	48.833	51.427	45.858	-1.027	1.567	-4.002
425	30	55.057	55.670	55.837	56.367	0.613	0.780	1.310
431	12	45.683	44.000	51.750	36.342	-1.683	6.067	-9.342
432	48	50.060	48.546	51.654	44.221	-1.515	1.594	-5.840
433	24	47.300	43.463	54.892	47.192	-3.838	7.592	-0.108
434	47	51.406	50.449	53.466	50.266	-0.957	2.060	-1.140
435	44	56.568	57.920	59.361	56.132	1.352	2.793	-0.436

TABLE B4

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R7

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
441	9	40.422	43.389	49.467	38.900	2.967	9.044	-1.522
442	19	40.437	39.858	49.168	36.284	-0.579	8.732	-4.153
443	19	46.111	47.911	53.742	46.589	1.800	7.632	0.479
444	33	47.806	52.409	56.724	51.212	4.603	8.918	3.406
445	24	58.158	59.233	62.617	56.350	1.075	4.458	-1.808
451	16	41.106	43.181	54.319	40.306	2.075	13.212	-0.800
452	30	39.070	35.580	48.727	37.970	-3.490	9.657	-1.100
453	26	45.146	44.115	58.492	42.942	-1.031	13.346	-2.204
454	28	46.107	47.782	55.825	47.579	1.675	9.718	1.471
455	46	56.950	56.400	67.657	61.563	-0.550	10.707	4.613
511	15	38.480	45.933	40.700	33.727	7.453	2.220	-4.753
512	27	33.770	42.293	40.237	40.204	8.522	6.467	6.433
513	16	39.850	43.325	40.850	41.944	3.475	1.000	2.094
514	24	46.025	51.975	46.963	47.458	5.950	0.938	1.433
515	35	70.057	66.683	62.714	67.469	-3.374	-7.343	-2.589
521	17	30.888	38.929	35.982	30.071	8.041	5.094	-0.818
522	32	40.044	42.669	46.872	40.487	2.625	6.828	0.444
523	15	31.893	37.827	43.647	39.860	5.933	11.753	7.967
524	22	45.659	55.159	46.973	43.523	9.500	1.314	-2.136
525	27	47.370	52.637	51.900	55.544	5.267	4.530	8.174
531	16	36.906	45.381	47.131	39.606	8.475	10.225	2.700
532	27	44.789	49.700	48.933	42.652	4.911	4.144	-2.137
533	20	50.640	52.505	51.950	50.860	1.865	1.310	0.220
534	34	54.976	55.271	56.621	52.718	0.294	1.644	-2.259
535	49	66.973	68.514	67.400	63.155	1.541	0.427	-3.818
541	27	38.633	48.370	53.119	37.144	9.737	14.485	-1.489
542	23	45.326	48.613	53.739	42.583	3.287	8.413	-2.743
543	21	50.548	53.795	58.752	49.071	3.248	8.205	-1.476
544	38	50.692	52.279	57.603	56.576	1.587	6.911	5.884
545	28	59.171	64.607	63.793	61.014	5.436	4.621	1.843
551	7	35.414	38.157	46.557	32.557	2.743	11.143	-2.857
552	16	42.900	50.825	53.137	44.988	7.925	10.237	2.087
553	16	55.144	56.744	58.144	43.269	1.600	3.000	-11.875
554	28	59.961	57.671	62.654	55.714	-2.289	2.693	-4.246
555	40	68.013	68.795	69.120	64.840	0.782	1.107	-3.173

TABLE B5

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R8

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
111	30	38.717	36.567	35.947	33.617	-2.150	-2.770	-5.100
112	33	40.842	34.070	31.455	31.976	-6.773	-9.388	-8.867
113	25	48.336	43.032	34.348	38.668	-5.304	-13.988	-9.668
114	31	38.797	35.868	31.845	37.929	-2.929	-6.952	-0.868
115	13	37.200	40.977	31.685	40.762	3.777	-5.515	3.562
121	12	46.283	36.633	40.367	30.000	-9.650	-5.917	-16.283
122	14	42.864	35.200	40.564	35.164	-7.664	-2.300	-7.700
123	19	45.089	42.163	39.958	35.005	-2.926	-5.132	-10.084
124	28	37.275	35.871	35.139	35.068	-1.404	-2.136	-2.207
125	15	40.353	37.967	38.507	41.873	-2.387	-1.847	1.520
131	20	43.745	38.895	44.305	33.305	-4.850	0.560	-10.440
132	26	47.631	39.504	39.077	33.042	-8.127	-8.554	-14.588
133	38	44.821	40.166	39.158	36.426	-4.655	-5.663	-8.395
134	35	42.354	37.154	38.943	41.700	-5.200	-3.411	-0.654
135	19	44.395	42.379	45.811	47.474	-2.016	1.416	3.079
141	11	45.473	41.364	40.300	38.100	-4.109	-5.173	-7.373
142	10	39.190	42.360	44.690	32.230	3.170	5.500	-6.960
143	8	42.600	35.850	44.975	40.825	-6.750	2.375	-1.775
144	8	51.638	34.475	38.975	38.275	-17.162	-12.662	-13.363
145	13	55.008	47.515	53.123	58.446	-7.492	-1.885	3.438
151	8	48.400	48.788	50.838	34.213	0.387	2.438	-14.187
152	29	45.397	39.183	42.538	37.672	-6.214	-2.859	-7.724
153	22	44.186	38.450	45.955	40.368	-5.736	1.768	-3.818
154	21	43.095	38.281	42.924	41.319	-4.814	-0.171	-1.776
155	10	60.400	50.710	45.690	55.170	-9.690	-14.710	-5.230
211	24	41.471	43.838	31.812	28.383	2.367	-9.658	-13.088
212	41	43.356	38.888	33.446	30.132	-4.468	-9.910	-13.224
213	28	42.800	42.339	36.843	35.639	-0.461	-5.957	-7.161
214	37	39.422	39.570	30.878	34.581	0.149	-8.543	-4.841
215	20	47.215	44.255	39.995	43.130	-2.960	-7.220	-4.085
221	14	42.457	36.193	39.736	29.921	-6.264	-2.721	-12.536
222	25	42.064	43.100	41.272	37.192	1.036	-0.792	-4.872
223	19	41.958	47.521	42.311	43.642	5.563	0.353	1.684
224	27	39.693	40.704	36.700	39.281	1.011	-2.993	-0.411
225	13	37.992	45.385	37.946	41.246	7.392	-0.046	3.254
231	16	50.956	43.119	48.225	41.769	-7.837	-2.731	-9.188
232	31	39.297	41.013	39.790	34.590	1.716	0.494	-4.706
233	26	40.019	41.415	38.908	37.842	1.396	-1.112	-2.177
234	37	42.986	46.105	42.105	43.554	3.119	-0.881	0.568
235	22	48.377	43.973	42.932	46.400	-4.405	-5.445	-1.977
241	13	49.338	43.469	46.569	34.200	-5.869	-2.769	-15.138
242	13	42.700	41.000	43.708	36.862	-1.700	1.008	-5.838
243	20	45.645	47.850	42.380	37.730	2.205	-3.265	-7.915
244	25	47.692	44.496	43.832	41.372	-3.196	-3.860	-6.320
245	15	50.813	48.527	43.107	43.653	-2.287	-7.707	-7.160

TABLE B5

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT RB

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
251	10	44.660	43.050	45.150	35.470	-1.610	0.490	-9.190
252	18	43.822	43.606	38.856	32.378	-0.217	-4.967	-11.444
253	27	49.081	45.867	47.993	40.556	-3.215	-1.089	-8.526
254	36	51.006	48.217	49.586	46.503	-2.789	-1.419	-4.503
255	12	50.933	49.342	48.408	49.683	-1.592	-2.525	-1.250
311	10	36.660	43.570	36.190	36.810	6.910	-0.470	0.150
312	27	42.196	42.156	32.781	34.330	-0.041	-9.415	-7.867
313	17	41.676	45.059	35.435	42.800	3.382	-6.241	1.124
314	35	40.554	43.537	34.860	38.923	2.983	-5.694	-1.631
315	18	42.222	45.261	35.761	46.972	3.039	-6.461	4.750
321	18	38.517	42.417	35.022	30.706	3.900	-3.494	-7.811
322	25	41.260	44.784	40.868	37.608	3.524	-0.392	-3.652
323	28	40.425	43.682	38.004	31.264	3.257	-2.421	-9.161
324	28	44.611	43.293	41.204	36.604	-1.318	-3.407	-8.007
325	13	45.931	49.177	42.992	51.569	3.246	-2.938	5.638
331	29	40.241	43.452	41.176	35.059	3.210	0.934	-5.183
332	28	43.046	45.279	41.904	40.768	2.232	-1.143	-2.279
333	33	48.812	47.458	46.142	43.006	-1.355	-2.670	-5.806
334	37	44.030	46.230	42.897	47.257	2.200	-1.132	3.227
335	25	40.528	47.308	42.628	47.364	6.780	2.100	6.836
341	11	42.755	43.618	45.945	35.800	0.864	3.191	-6.955
342	26	43.735	44.969	47.938	43.838	1.235	4.204	0.104
343	23	44.065	43.552	44.043	42.222	-0.513	-0.022	-1.843
344	26	45.546	49.877	44.650	42.942	4.331	-0.896	-2.604
345	25	46.092	44.616	44.024	45.360	-1.476	-2.068	-0.732
351	8	42.738	48.463	52.150	41.613	5.725	9.413	-1.125
352	15	46.733	47.427	50.480	49.073	0.693	3.747	2.340
353	27	43.119	46.967	46.411	43.570	3.848	3.293	0.452
354	27	47.674	51.952	50.467	48.578	4.278	2.793	0.904
355	16	52.650	55.713	51.856	56.775	3.062	-0.794	4.125
411	10	41.090	46.020	37.770	40.000	4.930	-3.320	-1.090
412	22	37.923	40.414	33.150	31.064	2.491	-4.773	-6.859
413	28	42.729	43.896	33.614	33.975	1.168	-9.114	-8.754
414	29	41.628	44.769	35.155	43.224	3.141	-6.472	1.597
415	13	44.254	53.623	37.054	47.831	9.369	-7.200	3.577
421	11	43.500	41.209	38.755	34.173	-2.291	-4.745	-9.327
422	14	39.971	44.764	38.636	36.286	4.793	-1.336	-3.686
423	27	39.770	43.411	36.011	35.911	3.641	-3.759	-3.859
424	29	44.734	47.541	39.010	40.845	2.807	-5.724	-3.890
425	16	41.950	44.531	37.113	41.725	2.581	-4.837	-0.225
431	21	45.724	46.586	42.543	41.976	0.862	-3.181	-3.748
432	21	43.495	45.857	38.400	37.057	2.362	-5.095	-6.438
433	34	40.700	46.297	37.332	40.576	5.597	-3.368	-0.124
434	43	46.579	48.030	42.333	43.233	1.451	-4.247	-3.347
435	25	47.968	54.140	49.172	54.672	6.172	1.204	6.704

TABLE B5

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT R8

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
441	13	40.531	45.462	42.746	28.523	4.931	2.215	-12.008
442	16	48.313	47.013	50.681	41.075	-1.300	2.369	-7.237
443	18	47.378	46.656	49.183	50.894	-0.722	1.806	3.517
444	20	42.270	44.960	41.650	41.620	2.690	-0.620	-0.650
445	16	58.119	62.437	54.013	57.031	4.319	-4.106	-1.087
451	7	41.686	45.271	48.771	36.186	3.586	7.086	-5.500
452	13	51.123	52.362	47.923	44.169	1.238	-3.200	-6.954
453	17	49.306	52.229	47.294	39.012	2.924	-2.012	-10.294
454	27	51.656	51.407	50.367	47.648	-0.248	-1.289	-4.007
455	12	51.725	54.942	55.042	58.208	3.217	3.317	6.483
511	17	35.706	49.541	42.512	34.724	13.835	6.806	-0.982
512	37	35.943	45.943	33.673	35.538	10.000	-2.270	-0.405
513	26	39.208	48.062	34.254	41.565	8.854	-4.954	2.358
514	29	39.534	48.428	38.372	39.090	8.893	-1.162	-0.445
515	8	40.450	55.850	35.875	49.063	15.400	-4.575	8.613
521	14	38.343	48.343	41.571	39.071	10.000	3.229	0.729
522	17	43.835	43.635	41.159	35.576	-0.200	-2.676	-8.259
523	20	34.420	47.300	37.405	36.670	12.880	2.985	2.250
524	24	40.696	48.146	39.292	41.083	7.450	-1.404	0.387
525	12	39.258	46.817	38.208	43.608	7.558	-1.050	4.350
531	15	37.373	47.487	43.573	35.880	10.113	6.200	-1.493
532	30	40.690	49.603	43.740	38.293	8.913	3.050	-2.397
533	25	38.460	46.088	37.056	40.488	7.628	-1.404	2.028
534	28	47.061	51.661	43.382	44.432	4.600	-3.679	-2.629
535	18	46.172	53.533	49.811	47.644	7.361	3.639	1.472
541	7	44.571	52.671	43.229	43.257	8.100	-1.343	-1.314
542	14	40.993	46.657	40.736	37.657	5.664	-0.257	-3.336
543	18	46.711	56.022	46.967	43.861	9.311	0.256	-2.850
544	27	44.819	53.748	49.478	46.774	8.930	4.659	1.956
545	16	57.613	58.256	56.338	55.887	0.644	-1.275	-1.725
551	11	38.391	45.836	45.718	37.682	7.445	7.327	-0.709
552	16	45.950	55.881	53.388	41.363	9.931	7.437	-4.588
553	11	40.845	51.300	42.773	45.355	10.455	1.927	4.509
554	27	44.515	51.478	48.407	48.385	6.963	3.893	3.870
555	22	57.577	63.773	55.823	54.964	6.195	-1.755	-2.614

TABLE B6

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M4

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
111	14	40.621	33.500	24.957	29.564	-7.121	-15.664	-11.057
112	10	51.480	47.160	35.180	43.810	-4.320	-16.300	-7.670
113	30	49.620	35.187	35.537	47.307	-14.433	-14.083	-2.313
114	12	63.725	43.117	37.450	56.217	-20.608	-26.275	-7.508
115	28	48.311	36.814	32.486	54.093	-11.496	-15.825	5.782
121	38	54.113	43.797	44.350	44.418	-10.316	-9.763	-9.695
122	35	56.034	44.871	38.837	48.060	-11.163	-17.197	-7.974
123	29	50.572	45.221	39.797	50.397	-5.352	-10.776	-0.176
124	26	50.577	44.531	41.796	53.181	-6.046	-8.781	2.604
125	36	52.372	44.431	41.869	62.833	-7.942	-10.503	10.461
131	20	43.630	34.760	38.990	40.385	-8.870	-4.640	-3.245
132	27	52.789	39.533	48.326	48.378	-13.256	-4.463	-4.411
133	43	61.060	41.884	43.233	51.519	-19.177	-17.828	-9.542
134	38	60.197	38.158	44.658	54.611	-22.039	-15.539	-5.587
135	29	54.190	45.069	46.393	62.048	-9.121	-7.797	7.859
141	8	55.463	44.563	58.613	54.588	-10.900	3.150	-0.875
142	24	44.946	38.817	45.504	44.183	-6.129	0.558	-0.763
143	41	55.244	44.437	52.063	58.512	-10.807	-3.180	3.268
144	32	54.262	45.919	55.337	63.341	-8.344	1.075	9.078
145	25	53.432	44.244	48.296	66.708	-9.188	-5.136	13.276
151	27	59.815	44.685	64.344	49.663	-15.130	4.530	-10.152
152	17	65.500	42.518	65.076	51.382	-22.982	-0.424	-14.118
153	15	57.600	42.807	57.773	60.327	-14.793	0.173	2.727
154	27	61.459	48.841	62.330	72.293	-12.619	0.870	10.833
155	17	55.459	37.871	49.988	55.529	-17.588	-5.471	0.071
211	36	42.706	38.744	32.656	37.778	-3.961	-10.050	-4.928
212	21	49.924	45.852	38.462	48.400	-4.071	-11.462	-1.524
213	28	47.196	46.546	30.804	45.696	-0.650	-16.393	-1.500
214	27	46.996	42.511	37.381	49.244	-4.485	-9.615	2.248
215	31	45.600	40.752	33.700	54.181	-4.848	-11.900	8.581
221	20	46.020	38.020	41.320	37.900	-8.000	-4.700	-8.120
222	28	49.200	43.607	43.111	50.011	-5.593	-6.089	0.811
223	15	49.593	49.647	46.847	55.913	0.053	-2.747	6.320
224	26	53.108	47.935	40.454	56.242	-5.173	-12.654	3.135
225	26	59.104	56.658	50.819	67.719	-2.446	-8.285	8.615
231	23	51.017	48.296	44.743	41.717	-2.722	-6.274	-9.300
232	18	63.294	60.528	54.744	56.883	-2.767	-8.550	-6.411
233	35	60.840	50.963	51.049	55.357	-9.877	-9.791	-5.483
234	22	61.245	53.509	55.695	60.850	-7.736	-5.550	-0.395
235	27	55.456	51.500	49.978	63.311	-3.956	-5.478	7.856
241	25	50.632	45.836	48.772	46.496	-4.796	-1.860	-4.136
242	45	54.062	51.020	56.598	55.096	-3.042	2.536	1.033
243	43	52.349	46.530	49.195	53.928	-5.819	-3.153	1.579
244	45	54.509	49.591	52.069	59.382	-4.918	-2.440	4.873
245	41	52.888	52.390	53.544	66.288	-0.498	0.656	13.400

TABLE B6

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M4

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
251	26	56.142	50.338	66.869	45.342	-5.804	10.727	-10.800
252	26	52.092	47.477	58.919	53.862	-4.615	6.827	1.769
253	36	52.358	47.792	59.114	60.633	-4.567	6.756	8.275
254	30	59.557	52.483	59.340	65.177	-7.073	-0.217	5.620
255	30	52.940	46.253	58.950	67.903	-6.687	6.010	14.963
311	12	38.942	41.825	30.825	37.625	2.883	-8.117	-1.317
312	30	48.837	49.407	39.747	49.213	0.570	-9.090	0.377
313	24	49.404	49.267	41.308	53.037	-0.138	-8.096	3.633
314	27	58.789	55.374	46.556	59.952	-3.415	-12.233	1.163
315	43	49.267	47.737	39.479	57.319	-1.530	-9.788	8.051
321	16	44.206	43.694	45.806	47.725	-0.513	1.600	3.519
322	29	53.659	51.024	43.959	49.597	-2.634	-9.700	-4.062
323	25	45.620	52.880	43.824	52.044	7.260	-1.796	6.424
324	28	50.036	50.771	49.750	59.350	0.736	-0.286	9.314
325	38	48.163	47.582	44.958	66.342	-0.582	-3.205	18.179
331	42	44.529	44.348	44.693	43.986	-0.181	0.164	-0.543
332	27	55.367	57.804	52.870	54.933	2.437	-2.496	-0.433
333	30	65.940	64.950	66.533	71.700	-0.990	0.593	5.760
334	32	63.478	59.434	56.691	66.309	-4.044	-6.788	2.831
335	30	60.383	56.340	54.900	70.440	-4.043	-5.483	10.057
341	22	51.936	53.273	59.927	54.932	1.336	7.991	2.995
342	14	52.993	49.929	54.786	56.021	-3.064	1.793	3.029
343	14	47.943	48.536	48.021	57.771	0.593	0.079	9.829
344	24	54.338	52.100	57.279	62.575	-2.237	2.942	8.237
345	17	50.671	47.000	50.906	62.718	-3.671	0.235	12.047
351	32	53.863	49.431	63.041	53.709	-4.431	9.178	-0.153
352	28	55.389	56.536	62.768	57.025	1.146	7.379	1.636
353	41	53.122	46.600	59.888	60.312	-6.522	6.766	7.190
354	31	57.323	56.852	66.268	67.723	-0.471	8.945	10.400
355	13	52.231	58.331	67.700	70.438	6.100	15.469	18.208
411	20	41.680	50.680	37.055	42.065	9.000	-4.625	0.385
412	10	57.410	56.020	36.760	45.640	-1.390	-20.650	-11.770
413	27	51.356	55.167	41.963	54.296	3.811	-9.393	2.941
414	21	48.286	50.424	43.652	55.624	2.138	-4.633	7.338
415	10	52.980	57.750	44.090	60.090	4.770	-8.890	7.110
421	33	49.188	54.303	48.573	47.385	5.115	-0.615	-1.803
422	39	44.156	53.159	46.169	50.256	9.003	2.013	6.100
423	26	50.242	50.669	44.835	53.188	0.427	-5.408	2.946
424	27	61.852	62.722	51.693	61.481	0.870	-10.159	-0.370
425	27	50.222	57.722	47.389	63.652	7.500	-2.833	13.430
431	34	52.968	56.097	51.968	49.988	3.129	-1.000	-2.979
432	44	53.925	55.775	52.257	55.984	1.850	-1.668	2.059
433	57	64.182	66.653	61.223	65.226	2.470	-2.960	1.044
434	37	66.308	66.178	59.551	67.300	-0.130	-6.757	0.992
435	26	57.138	59.035	54.812	71.192	1.896	-2.327	14.054

TABLE B6

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M4

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
441	40	54.765	59.763	57.352	51.377	4.998	2.588	-3.387
442	50	52.074	55.770	56.704	56.226	3.696	4.630	4.152
443	26	57.531	59.565	61.104	60.585	2.035	3.573	3.054
444	44	55.370	56.720	57.616	61.391	1.350	2.245	6.020
445	30	56.847	59.703	59.083	69.810	2.857	2.237	12.963
451	53	57.138	57.245	67.377	49.111	0.108	10.240	-8.026
452	27	56.407	59.941	61.837	59.511	3.533	5.430	3.104
453	29	56.528	64.252	66.841	62.021	7.724	10.314	5.493
454	31	65.294	65.081	68.732	71.168	-0.213	3.439	5.874
455	36	57.794	60.350	66.497	75.417	2.556	8.703	17.622
511	33	48.139	55.639	35.667	41.191	7.500	-12.473	-6.948
512	45	42.924	58.336	39.491	45.673	15.411	-3.433	2.749
513	34	49.765	65.850	43.912	53.721	16.085	-5.853	3.956
514	34	53.241	69.385	44.912	57.738	16.144	-8.329	4.497
515	31	46.165	61.871	38.587	59.313	15.706	-7.577	13.148
521	39	41.279	63.341	46.962	44.569	22.062	5.682	3.290
522	23	49.887	63.226	48.304	50.104	13.339	-1.583	0.217
523	20	54.095	64.685	49.095	58.020	10.590	-5.000	3.925
524	46	49.085	65.843	52.917	61.183	16.759	3.833	12.098
525	20	60.230	73.230	51.775	68.300	13.000	-8.455	8.070
531	29	48.179	66.272	55.783	48.486	18.093	7.603	0.307
532	25	49.844	58.552	49.364	50.496	8.708	-0.480	0.652
533	24	55.963	71.100	60.150	65.033	15.138	4.187	9.071
534	37	56.459	69.881	60.624	65.019	13.422	4.165	8.559
535	17	61.000	74.700	56.765	71.659	13.700	-4.235	10.659
541	25	56.880	68.524	64.756	52.224	11.644	7.876	-4.656
542	10	53.320	63.150	67.100	60.820	9.830	13.780	7.500
543	18	45.000	59.978	53.400	54.067	14.978	8.400	9.067
544	21	51.510	65.886	60.581	62.024	14.376	9.071	10.514
545	36	57.142	73.242	64.778	77.639	16.100	7.636	20.497
551	77	58.305	65.129	69.797	49.652	6.823	11.492	-8.653
552	17	52.894	69.482	68.147	58.900	16.588	15.253	6.006
553	21	51.162	64.986	67.724	58.762	13.824	16.562	7.600
554	17	63.618	73.800	69.406	64.259	10.182	5.788	0.641
555	15	57.140	72.267	66.360	74.587	15.127	9.220	17.447

TABLE B7

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M5

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
111	31	54.016	30.432	37.716	36.929	-23.584	-16.300	-17.087
112	21	45.429	28.100	28.729	30.695	-17.329	-16.700	-14.733
113	16	44.175	30.544	34.794	45.081	-13.631	-9.381	0.906
114	19	57.295	38.711	43.647	51.574	-18.584	-13.647	-5.721
115	30	45.570	33.293	34.270	51.253	-12.277	-11.300	5.683
121	17	57.776	41.488	51.312	45.300	-16.288	-6.465	-12.476
122	30	54.640	42.150	51.373	52.117	-12.490	-3.267	-2.523
123	34	51.300	35.168	43.697	48.474	-16.132	-7.603	-2.826
124	27	52.130	35.326	40.896	48.744	-16.804	-11.233	-3.385
125	14	53.371	37.686	41.429	60.893	-15.686	-11.943	7.521
131	12	59.233	40.800	53.367	43.933	-18.433	-5.867	-15.300
132	44	52.650	37.205	50.098	47.945	-15.445	-2.552	-4.705
133	23	54.391	38.752	48.939	52.061	-15.639	-5.452	-2.330
134	24	60.554	42.704	55.058	57.621	-17.850	-5.496	-2.933
135	34	58.991	44.097	56.344	69.015	-14.894	-2.647	10.024
141	27	51.207	34.522	50.559	42.400	-16.685	-0.648	-8.807
142	30	49.487	33.180	45.233	43.543	-16.307	-4.253	-5.943
143	19	40.026	32.458	48.784	47.758	-7.568	8.758	7.732
144	25	56.960	37.680	54.304	56.492	-19.280	-2.656	-0.468
145	30	64.283	44.263	59.470	64.770	-20.020	-4.813	0.487
151	47	52.762	36.638	56.226	45.145	-16.123	3.464	-7.617
152	37	56.570	40.808	60.019	54.468	-15.762	3.449	-2.103
153	35	58.929	42.031	66.337	59.111	-16.897	7.409	0.183
154	30	65.753	43.580	64.503	60.567	-22.173	-1.250	-5.187
155	27	57.341	38.900	59.137	64.544	-18.441	1.796	7.204
211	12	41.950	36.242	33.775	34.017	-5.708	-8.175	-7.933
212	38	43.061	34.934	35.363	38.603	-8.126	-7.697	-4.458
213	18	41.889	36.389	38.556	44.617	-5.500	-3.333	2.728
214	23	52.891	39.470	41.213	47.348	-13.422	-11.678	-5.543
215	22	61.127	46.127	46.423	59.627	-15.000	-14.705	-1.500
221	40	51.772	41.238	46.730	41.138	-10.535	-5.042	-10.635
222	31	54.687	41.303	43.548	45.497	-13.384	-11.139	-9.190
223	45	64.682	49.598	52.524	54.453	-15.084	-12.158	-10.229
224	49	58.457	47.382	52.661	56.706	-11.076	-5.796	-1.751
225	35	55.954	48.040	52.649	61.706	-7.914	-3.306	5.751
231	23	53.665	39.517	46.683	38.235	-14.148	-6.983	-15.430
232	20	56.795	44.710	53.945	49.015	-12.085	-2.850	-7.780
233	23	57.461	46.557	50.878	53.987	-10.904	-6.583	-3.474
234	27	55.796	45.578	55.056	57.281	-10.219	-0.741	1.485
235	46	54.085	43.226	52.730	62.148	-10.859	-1.354	8.063
241	27	55.574	42.504	56.930	43.837	-13.070	1.356	-11.737
242	26	56.565	45.973	57.127	52.265	-10.592	0.562	-4.300
243	23	56.500	45.443	57.052	53.296	-11.057	0.552	-3.204
244	34	54.785	46.165	54.376	59.253	-8.621	-0.409	4.468
245	33	58.576	47.809	61.703	66.482	-10.767	3.127	7.906

TABLE B7

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M5

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
251	28	58.618	48.057	61.129	49.768	-10.561	2.511	-8.850
252	38	57.679	46.621	62.474	55.013	-11.058	4.795	-2.666
253	39	50.551	42.021	56.772	55.308	-8.531	6.221	4.756
254	28	66.654	50.546	64.121	63.082	-16.107	-2.532	-3.571
255	26	57.412	42.904	60.085	63.419	-14.508	2.673	6.008
311	17	44.294	42.053	39.612	41.071	-2.241	-4.682	-3.224
312	31	54.200	47.513	48.271	48.503	-6.687	-5.929	-5.697
313	19	55.532	50.168	49.600	55.116	-5.363	-5.932	-0.416
314	22	52.995	44.986	42.059	47.391	-8.009	-10.936	-5.605
315	26	64.588	54.965	49.377	59.623	-9.623	-15.212	-4.965
321	30	64.470	55.553	52.777	50.033	-8.917	-11.693	-14.437
322	25	53.216	49.704	50.956	47.156	-3.512	-2.260	-6.060
323	52	53.829	47.896	52.231	53.287	-5.933	-1.598	-0.542
324	33	58.161	50.864	54.858	54.691	-7.297	-3.303	-3.470
325	19	55.079	50.842	45.063	57.553	-4.237	-10.016	2.474
331	23	49.461	41.943	50.074	42.100	-7.517	0.613	-7.361
332	67	52.910	49.443	54.754	49.964	-3.467	1.843	-2.946
333	28	52.725	47.875	53.750	55.193	-4.850	1.025	2.468
334	44	55.766	51.961	57.707	54.957	-3.805	1.941	-0.809
335	22	64.400	52.859	58.418	63.241	-11.541	-5.982	-1.159
341	26	55.692	48.881	58.392	48.150	-6.812	2.700	-7.542
342	21	54.529	45.495	57.481	47.310	-9.033	2.952	-7.219
343	21	55.914	48.490	60.848	60.157	-7.424	4.933	4.243
344	34	64.968	55.174	63.697	64.238	-9.794	-1.271	-0.729
345	50	62.562	56.328	65.354	70.538	-6.234	2.792	7.976
351	39	55.551	47.136	65.097	50.518	-8.415	9.546	-5.033
352	32	62.028	48.266	62.984	54.697	-13.763	0.956	-7.331
353	23	56.530	52.061	65.522	61.922	-4.470	8.991	5.391
354	34	55.524	51.018	65.974	61.224	-4.506	10.450	5.700
355	36	68.378	55.897	69.453	69.908	-12.481	1.075	1.531
411	21	49.476	51.967	43.176	38.367	2.490	-6.300	-11.110
412	38	47.308	47.713	46.805	50.892	0.405	-0.503	3.584
413	26	48.319	48.688	43.346	47.919	0.369	-4.973	-0.400
414	44	50.964	47.720	42.984	52.270	-3.243	-7.980	1.307
415	40	50.360	53.813	47.300	63.125	3.453	-3.060	12.765
421	17	62.647	59.924	55.482	49.106	-2.724	-7.165	-13.541
422	29	57.859	53.503	52.214	52.345	-4.355	-5.645	-5.514
423	49	55.088	50.931	51.271	52.302	-4.157	-3.816	-2.786
424	29	53.224	53.317	51.334	53.072	0.093	-1.890	-0.152
425	28	60.793	53.775	54.561	61.714	-7.018	-6.232	0.921
431	16	54.775	50.631	57.500	44.894	-4.144	2.725	-9.881
432	36	55.975	52.808	55.856	55.731	-3.167	-0.119	-0.244
433	34	55.953	50.732	56.026	54.188	-5.221	0.074	-1.765
434	42	60.467	57.798	59.207	60.552	-2.669	-1.260	0.086
435	17	59.676	56.947	56.824	66.482	-2.729	-2.853	6.806

TABLE B7

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M5

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
441	18	41.650	43.267	49.350	37.078	1.617	7.700	-4.572
442	39	56.713	55.397	62.967	54.731	-1.315	6.254	-1.982
443	58	55.191	52.572	60.771	56.603	-2.619	5.579	1.412
444	50	56.374	54.776	60.408	61.382	-1.598	4.034	5.008
445	38	61.629	56.516	62.845	67.266	-5.113	1.216	5.637
451	17	48.659	48.818	61.600	48.624	0.159	12.941	-0.035
452	22	58.377	58.586	72.764	60.759	0.209	14.386	2.382
453	14	59.064	53.821	70.529	63.000	-5.243	11.464	3.936
454	26	55.635	54.569	66.519	64.342	-1.065	10.885	8.708
455	27	52.522	50.419	66.556	65.715	-2.104	14.033	13.193
511	21	58.076	59.405	52.362	44.643	1.329	-5.714	-13.433
512	19	50.274	52.905	41.453	41.316	2.632	-8.821	-8.958
513	22	58.114	62.968	51.768	56.882	4.855	-6.345	-1.232
514	30	50.097	57.800	43.263	52.193	7.703	-6.833	2.097
515	39	51.526	56.423	41.908	57.636	4.897	-9.618	6.110
521	32	52.522	58.275	52.978	47.988	5.753	0.456	-4.534
522	18	51.589	59.767	53.700	52.278	8.178	2.111	0.689
523	54	51.926	58.956	56.122	55.261	7.030	4.196	3.335
524	44	54.918	61.143	53.807	57.345	6.225	-1.111	2.427
525	40	52.833	60.183	54.287	58.403	7.350	1.455	5.570
531	28	54.539	54.725	56.825	46.804	0.186	2.286	-7.736
532	28	54.154	58.214	59.757	54.593	4.061	5.604	0.439
533	41	54.402	57.198	59.271	58.366	2.795	4.868	3.963
534	37	63.992	62.624	64.492	64.746	-1.368	0.500	0.754
535	23	54.722	63.687	61.413	64.326	8.965	6.691	9.604
541	33	55.536	58.603	60.988	49.370	3.067	5.452	-6.167
542	35	60.703	61.714	65.191	60.191	1.011	4.489	-0.511
543	28	60.007	63.036	63.186	61.968	3.029	3.179	1.961
544	31	61.265	62.397	68.377	64.642	1.132	7.113	3.377
545	50	55.762	58.848	61.972	68.874	3.086	6.210	13.112
551	45	60.538	59.811	70.560	53.560	-0.727	10.022	-6.978
552	26	56.192	58.800	68.208	60.954	2.608	12.015	4.762
553	25	50.824	58.320	68.220	59.928	7.496	17.396	9.104
554	36	60.089	61.183	67.164	63.703	1.094	7.075	3.614
555	17	51.012	54.600	63.112	64.835	3.588	12.100	13.824

TABLE B8

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M6

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
111	40	45.725	40.973	29.408	34.205	-4.752	-16.317	-11.520
112	25	58.856	47.584	40.084	45.928	-11.272	-18.772	-12.928
113	22	56.041	38.736	33.377	44.695	-17.305	-22.664	-11.345
114	37	52.559	43.968	37.089	45.808	-8.592	-15.470	-6.751
115	16	54.275	43.706	38.919	53.719	-10.569	-15.356	-0.556
121	33	55.445	41.442	41.518	41.655	-14.003	-13.927	-13.791
122	18	69.622	57.206	53.278	59.589	-12.417	-16.344	-10.033
123	22	61.777	47.436	45.518	52.727	-14.341	-16.259	-9.050
124	22	52.095	45.359	46.750	58.241	-6.736	-5.345	6.145
125	24	44.408	35.113	31.613	48.787	-9.296	-12.796	4.379
131	28	57.511	46.564	46.454	47.711	-10.946	-11.057	-9.800
132	26	53.985	44.888	48.173	49.554	-9.096	-5.812	-4.431
133	39	56.764	42.092	43.787	47.613	-14.672	-12.977	-9.151
134	37	54.627	44.041	44.257	52.146	-10.586	-10.370	-2.481
135	27	60.819	46.989	48.674	61.159	-13.830	-12.144	0.341
141	23	50.452	39.543	42.313	39.265	-10.909	-8.139	-11.187
142	17	53.759	39.200	41.476	46.629	-14.559	-12.282	-7.129
143	45	58.598	47.622	51.676	59.969	-10.976	-6.922	1.371
144	34	59.874	49.271	52.462	58.906	-10.603	-7.412	-0.968
145	26	59.388	48.212	47.535	63.669	-11.177	-11.854	4.281
151	29	57.466	42.486	51.100	47.817	-14.979	-6.366	-9.648
152	56	61.050	49.086	56.568	57.143	-11.964	-4.482	-3.907
153	49	58.867	47.210	55.508	55.643	-11.657	-3.359	-3.224
154	67	59.863	45.851	52.957	57.516	-14.012	-6.906	-2.346
155	36	58.225	45.400	54.322	65.389	-12.825	-3.903	7.164
211	35	48.157	51.049	42.957	45.349	2.891	-5.200	-2.809
212	55	54.798	52.453	46.764	48.645	-2.345	-8.035	-6.153
213	14	39.986	38.971	35.400	44.379	-1.014	-4.586	4.393
214	20	55.780	52.180	43.895	49.665	-3.600	-11.885	-6.115
215	13	41.400	43.585	34.192	52.608	2.185	-7.208	11.208
221	29	49.528	44.793	39.624	40.421	-4.734	-9.903	-9.107
222	39	52.813	49.067	44.946	48.154	-3.746	-7.867	-4.659
223	29	51.772	47.400	43.700	53.328	-4.372	-8.072	1.555
224	20	61.650	55.015	49.040	62.710	-6.635	-12.610	1.060
225	26	44.662	44.300	40.842	59.042	-0.362	-3.819	14.381
231	37	54.727	51.049	50.838	48.149	-3.678	-3.889	-6.578
232	28	58.736	48.900	46.039	50.971	-9.836	-12.696	-7.764
233	18	57.400	52.133	44.622	55.156	-5.267	-12.778	-2.244
234	47	53.734	46.896	45.432	54.745	-6.838	-8.302	1.011
235	25	55.408	48.008	46.496	55.832	-7.400	-8.912	0.424
241	41	55.232	52.863	57.846	55.241	-2.368	2.615	0.010
242	19	63.332	59.416	56.137	63.689	-3.916	-7.195	0.358
243	29	53.845	46.279	48.097	54.838	-7.566	-5.748	0.993
244	41	60.480	53.149	56.651	61.976	-7.332	-3.829	1.495
245	21	54.681	47.305	51.843	61.019	-7.376	-2.838	6.338

TABLE B8

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M6

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
251	46	54.550	47.574	55.107	51.148	-6.976	0.557	-3.402
252	31	54.842	46.332	52.990	54.148	-8.510	-1.852	-0.694
253	47	58.381	55.174	60.117	64.691	-3.206	1.736	6.311
254	50	60.596	54.832	59.872	63.072	-5.764	-0.724	2.476
255	26	51.115	46.162	50.588	58.481	-4.954	-0.527	7.365
311	29	50.331	50.041	43.048	43.841	-0.290	-7.283	-6.490
312	51	56.829	55.839	44.592	52.098	-0.990	-12.237	-4.731
313	22	55.218	58.282	44.964	54.355	3.064	-10.255	-0.864
314	21	58.167	54.310	46.490	57.419	-3.857	-11.676	-0.748
315	20	58.785	57.440	47.180	59.765	-1.345	-11.605	0.980
321	45	48.196	45.511	40.240	41.662	-2.684	-7.956	-6.533
322	55	54.298	50.602	44.791	47.456	-3.696	-9.507	-6.842
323	40	53.807	50.493	42.598	51.058	-3.315	-11.210	-2.750
324	26	61.938	60.300	55.312	64.096	-1.638	-6.627	2.158
325	46	60.330	55.528	50.061	66.778	-4.802	-10.270	6.448
331	35	60.966	56.251	56.937	51.620	-4.714	-4.029	-9.346
332	34	49.994	50.262	47.085	49.656	0.268	-2.909	-0.338
333	37	59.859	59.549	53.589	62.532	-0.311	-6.270	2.673
334	12	64.917	58.650	60.808	64.833	-6.267	-4.108	-0.083
335	22	47.955	51.250	46.773	59.077	3.295	-1.182	11.123
341	37	58.516	55.459	50.830	48.557	-3.057	-7.686	-9.959
342	24	60.333	52.862	52.292	57.642	-7.471	-8.042	-2.692
343	25	54.888	52.848	53.120	59.472	-2.040	-1.768	4.584
344	42	70.719	66.124	63.476	72.057	-4.595	-7.243	1.338
345	21	58.486	59.395	57.676	72.162	0.910	-0.810	13.676
351	40	51.613	50.247	55.338	50.828	-1.365	3.725	-0.785
352	58	54.098	53.569	58.533	55.653	-0.529	4.434	1.555
353	56	58.373	55.605	59.796	59.754	-2.768	1.423	1.380
354	24	53.900	56.046	56.296	65.033	2.146	2.396	11.133
355	31	65.068	61.010	67.232	72.752	-4.058	2.165	7.684
411	25	55.096	57.352	45.296	44.176	2.256	-9.800	-10.920
412	44	55.727	60.659	47.780	49.652	4.932	-7.948	-6.075
413	25	61.112	58.300	48.152	58.204	-2.812	-12.960	-2.908
414	20	55.000	57.350	46.655	56.030	2.350	-8.345	1.030
415	38	62.734	60.076	49.755	62.663	-2.658	-12.979	-0.071
421	37	52.673	57.192	45.470	48.643	4.519	-7.203	-4.030
422	48	57.338	60.427	49.323	51.565	3.090	-8.015	-5.773
423	52	55.371	57.546	48.550	53.535	2.175	-6.821	-1.837
424	36	55.550	58.417	50.722	59.992	2.867	-4.828	4.442
425	41	56.520	60.493	51.990	67.676	3.973	-4.529	11.156
431	38	59.358	60.845	56.147	51.716	1.487	-3.211	-7.642
432	31	51.613	54.797	50.142	53.652	3.184	-1.471	2.039
433	45	59.862	60.833	56.287	59.233	0.971	-3.576	-0.629
434	21	57.057	59.895	55.886	64.314	2.838	-1.171	7.257
435	30	56.830	58.017	55.437	67.947	1.187	-1.393	11.117

TABLE B8

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M6

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
441	25	57.696	61.684	59.400	58.160	3.988	1.704	0.464
442	12	51.725	49.767	53.683	51.217	-1.958	1.958	-0.508
443	23	48.900	53.739	51.678	57.417	4.839	2.778	8.517
444	35	68.083	65.883	61.914	69.543	-2.200	-6.169	1.460
445	50	61.016	62.128	62.886	78.212	1.112	1.870	17.196
451	40	52.210	52.378	57.938	51.535	0.168	5.727	-0.675
452	27	59.181	57.667	62.493	63.581	-1.515	3.311	4.400
453	26	48.250	55.369	61.462	56.438	7.119	13.212	8.188
454	28	57.093	62.889	67.232	68.664	5.796	10.139	11.571
455	30	61.300	61.777	63.863	74.257	0.477	2.563	12.957
511	43	50.358	64.198	45.581	48.384	13.840	-4.777	-1.974
512	36	47.383	60.528	43.039	48.458	13.144	-4.344	1.075
513	38	51.632	66.787	51.534	60.071	15.155	-0.097	8.439
514	19	48.421	59.205	41.932	57.032	10.784	-6.489	8.611
515	29	55.866	66.876	51.228	65.321	11.010	-4.638	9.455
521	30	48.697	59.560	48.177	46.463	10.863	-0.520	-2.233
522	35	53.126	62.337	48.540	55.517	9.211	-4.586	2.391
523	19	47.132	56.916	47.642	54.611	9.784	0.511	7.479
524	49	46.894	57.200	48.929	55.437	10.306	2.035	8.543
525	18	63.317	68.250	53.256	69.750	4.933	-10.061	6.433
531	46	53.093	62.054	53.304	52.941	8.961	0.211	-0.152
532	25	43.936	57.704	45.572	46.244	13.768	1.636	2.308
533	39	52.631	65.967	56.731	60.213	13.336	4.100	7.582
534	30	57.717	65.950	56.180	62.270	8.233	-1.537	4.553
535	15	60.520	68.080	58.093	71.673	7.560	-2.427	11.153
541	47	49.728	60.970	54.274	49.277	11.243	4.547	-0.451
542	18	56.211	65.789	58.183	57.778	9.578	1.972	1.567
543	22	50.795	59.914	54.277	57.218	9.118	3.482	6.423
544	28	53.439	64.243	60.064	63.596	10.804	6.625	10.157
545	33	54.648	66.127	55.639	66.452	11.479	0.991	11.803
551	17	56.818	65.076	63.141	64.059	8.259	6.324	7.241
552	44	49.223	60.705	63.657	58.534	11.482	14.434	9.311
553	19	55.495	62.384	66.605	62.511	6.889	11.111	7.016
554	49	73.559	76.100	72.329	77.690	2.541	-1.231	4.131
555	32	65.275	74.481	73.509	80.834	9.206	8.234	15.559

TABLE B9

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M7

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
111	23	44.648	38.743	37.887	36.965	-5.904	-6.761	-7.683
112	26	53.450	46.112	39.708	38.715	-7.338	-13.742	-14.735
113	18	45.867	34.044	33.433	37.722	-11.822	-12.433	-8.144
114	11	56.364	48.291	51.300	48.018	-8.073	-5.064	-8.345
115	13	58.277	51.831	52.269	56.946	-6.446	-6.008	-1.331
121	40	44.728	38.563	41.108	35.130	-6.165	-3.620	-9.597
122	37	46.449	38.408	42.684	39.489	-8.041	-3.765	-6.959
123	36	51.039	41.367	45.228	43.589	-9.672	-5.811	-7.450
124	20	52.285	43.740	47.720	46.900	-8.545	-4.565	-5.385
125	18	55.944	52.267	52.911	54.156	-3.678	-3.033	-1.789
131	30	46.497	40.600	47.280	37.007	-5.897	0.783	-9.490
132	25	51.504	48.064	52.064	50.960	-3.440	0.560	-0.544
133	22	54.523	46.477	52.245	47.586	-8.045	-2.277	-6.936
134	13	52.992	51.392	54.515	52.138	-1.600	1.523	-0.854
135	13	60.000	51.400	59.923	56.431	-8.600	-0.077	-3.569
141	46	43.078	35.161	43.446	35.576	-7.917	0.367	-7.502
142	31	46.094	42.477	50.023	43.826	-3.616	3.929	-2.268
143	25	53.904	45.536	55.444	50.704	-8.368	1.540	-3.200
144	21	61.867	53.671	60.371	58.019	-8.195	-1.495	-3.848
145	18	58.833	50.533	56.411	55.667	-8.300	-2.422	-3.167
151	31	42.145	37.048	52.206	38.784	-5.097	10.061	-3.361
152	33	51.355	42.273	58.524	46.136	-9.082	7.170	-5.218
153	21	55.762	47.886	59.100	48.543	-7.876	3.338	-7.219
154	24	55.663	48.563	62.375	53.183	-7.100	6.713	-2.479
155	22	55.045	52.527	64.714	64.059	-2.518	9.668	9.014
211	18	50.394	45.494	39.828	41.050	-4.900	-10.567	-9.344
212	20	37.825	36.945	35.835	36.140	-0.880	-1.990	-1.685
213	21	56.990	51.943	49.552	47.910	-5.048	-7.438	-9.081
214	3	61.400	67.633	61.133	72.933	6.233	-0.267	11.533
215	18	41.322	47.339	43.100	45.478	6.017	1.778	4.156
221	50	41.740	41.556	42.540	34.664	-0.184	0.800	-7.076
222	42	43.826	45.455	47.517	43.195	1.629	3.690	-0.631
223	34	44.021	43.303	42.747	40.912	-0.718	-1.274	-3.109
224	28	52.918	53.661	54.464	54.457	0.743	1.546	1.539
225	20	46.930	48.635	47.320	53.025	1.705	0.390	6.095
231	28	54.293	46.936	54.000	45.343	-7.357	-0.293	-8.950
232	29	48.372	46.021	49.710	45.514	-2.352	1.338	-2.859
233	25	51.100	46.040	55.928	50.672	-5.060	4.828	-0.428
234	11	58.355	54.536	56.545	58.755	-3.818	-1.809	0.400
235	16	47.594	45.900	52.288	57.600	-1.694	4.694	10.006
241	35	43.569	40.237	45.754	34.760	-3.331	2.186	-8.809
242	31	46.942	41.706	49.439	44.955	-5.235	2.497	-1.987
243	35	46.317	45.294	52.969	47.769	-1.023	6.651	1.451
244	25	60.548	57.464	64.112	55.612	-3.084	3.564	-4.936
245	19	56.132	54.947	62.905	55.184	-1.184	6.774	-0.947

TABLE B9

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M7

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
251	48	43.967	40.677	57.710	43.246	-3.290	13.744	-0.721
252	35	45.129	41.054	54.411	43.151	-4.074	9.283	-1.977
253	23	53.800	48.157	63.865	52.252	-5.643	10.065	-1.548
254	25	58.952	55.636	69.092	63.724	-3.316	10.140	4.772
255	21	50.952	55.319	65.300	59.824	4.367	14.348	8.871
311	29	46.803	44.238	42.000	41.521	-2.566	-4.803	-5.283
312	36	43.681	44.422	40.925	39.631	0.742	-2.756	-4.050
313	36	55.739	56.175	50.908	52.064	0.436	-4.831	-3.675
314	21	61.838	62.138	59.990	60.714	0.300	-1.848	-1.124
315	19	59.216	59.668	59.816	64.268	0.453	0.600	5.053
321	40	44.923	49.393	49.968	43.210	4.470	5.045	-1.712
322	42	44.279	46.431	45.962	42.695	2.152	1.683	-1.583
323	38	51.397	48.932	51.518	48.618	-2.466	0.121	-2.779
324	16	62.838	61.594	62.463	60.506	-1.244	-0.375	-2.331
325	25	64.244	63.576	65.676	63.788	-0.668	1.432	-0.456
331	41	50.678	48.222	54.417	45.971	-2.456	3.739	-4.707
332	47	48.211	51.053	52.677	46.234	2.843	4.466	-1.977
333	27	50.837	49.400	49.959	47.333	-1.437	-0.878	-3.504
334	21	57.686	55.000	55.876	56.943	-2.686	-1.810	-0.743
335	39	70.944	62.679	71.179	72.715	-8.264	0.236	1.772
341	31	51.742	49.761	56.729	45.671	-1.981	4.987	-6.071
342	40	50.002	51.580	57.778	50.825	1.578	7.775	0.823
343	24	49.417	50.992	56.113	52.496	1.575	6.696	3.079
344	22	55.600	54.250	60.827	57.005	-1.350	5.227	1.405
345	21	66.681	62.267	71.038	65.614	-4.414	4.357	-1.067
351	37	40.543	41.251	52.773	38.384	0.708	12.230	-2.159
352	30	43.297	45.077	56.617	46.210	1.780	13.320	2.913
353	23	53.900	49.391	68.461	53.365	-4.509	14.561	-0.535
354	21	59.271	56.424	68.519	59.962	-2.848	9.248	0.690
355	17	57.965	52.424	70.306	63.665	-5.541	12.341	5.700
411	20	48.665	50.455	43.100	38.820	1.790	-5.565	-9.845
412	30	40.167	43.650	38.830	37.737	3.483	-1.337	-2.430
413	34	46.553	52.524	47.291	46.226	5.971	0.738	-0.326
414	15	61.360	65.267	60.893	65.167	3.907	-0.467	3.807
415	16	64.175	64.688	59.394	63.875	0.513	-4.781	-0.300
421	31	43.616	45.813	43.887	38.552	2.197	0.271	-5.065
422	50	50.826	53.082	50.882	46.716	2.256	0.056	-4.110
423	26	49.608	52.769	50.735	49.481	3.162	1.127	-0.127
424	20	53.740	56.065	56.710	52.535	2.325	2.970	-1.205
425	17	62.953	64.871	64.094	62.941	1.918	1.141	-0.012
431	31	45.216	48.332	51.519	40.239	3.116	6.303	-4.977
432	39	49.856	48.923	51.554	46.677	-0.933	1.697	-3.179
433	24	49.596	55.558	55.613	52.783	5.963	6.017	3.187
434	28	60.432	61.614	64.446	56.207	1.182	4.014	-4.225
435	20	58.210	61.430	64.885	64.260	3.220	6.675	6.050

TABLE B9

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M7

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
441	36	52.453	53.189	57.192	47.831	0.736	4.739	-4.622
442	46	49.913	51.491	55.867	48.004	1.578	5.954	-1.909
443	36	55.133	57.639	65.753	60.053	2.506	10.619	4.919
444	33	61.918	63.194	68.279	59.176	1.276	6.361	-2.742
445	31	57.829	59.077	63.935	61.945	1.248	6.106	4.116
451	36	46.500	47.550	57.814	42.206	1.050	11.314	-4.294
452	40	50.167	52.588	64.390	48.028	2.420	14.223	-2.140
453	24	59.212	61.954	70.113	57.000	2.742	10.900	-2.213
454	25	60.804	62.032	74.092	62.000	1.228	13.288	1.196
455	21	63.995	62.195	71.352	65.010	-1.800	7.357	1.014
511	26	33.977	46.315	38.996	33.777	12.338	5.019	-0.200
512	39	46.421	58.392	47.297	47.359	11.972	0.877	0.938
513	34	52.585	58.947	52.000	51.756	6.362	-0.585	-0.829
514	25	52.248	62.364	59.416	56.380	10.116	7.168	4.132
515	20	48.860	57.120	50.115	50.820	8.260	1.255	1.960
521	29	47.017	52.141	48.186	42.597	5.124	1.169	-4.421
522	43	48.107	54.563	51.207	44.272	6.456	3.100	-3.835
523	28	52.686	57.214	55.886	52.893	4.529	3.200	0.207
524	19	48.300	61.905	58.753	56.774	13.605	10.453	8.474
525	22	58.132	63.086	59.495	62.250	4.955	1.364	4.118
531	41	46.380	61.659	58.624	45.156	15.278	12.244	-1.224
532	32	50.378	56.316	54.972	47.719	5.938	4.594	-2.659
533	23	45.161	59.513	57.822	51.374	14.352	12.661	6.213
534	21	62.862	69.548	68.686	67.248	6.686	5.824	4.386
535	21	50.752	58.224	56.405	55.252	7.471	5.652	4.500
541	34	36.244	46.988	50.444	36.403	10.744	14.200	0.159
542	40	45.375	54.053	55.563	46.978	8.678	10.188	1.603
543	29	49.955	58.566	59.586	50.445	8.610	9.631	0.490
544	27	57.526	66.537	70.878	61.463	9.011	13.352	3.937
545	14	68.479	71.343	76.050	71.529	2.864	7.571	3.050
551	27	43.774	51.404	61.915	44.315	7.630	18.141	0.541
552	31	47.287	54.652	65.474	50.226	7.365	18.187	2.939
553	20	59.015	60.460	71.110	58.470	1.445	12.095	-0.545
554	37	62.976	68.722	78.873	66.170	5.746	15.897	3.195
555	31	66.306	68.365	79.042	69.119	2.058	12.735	2.813

TABLE B10

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M8

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
111	41	40.485	37.402	31.990	30.039	-3.083	-8.495	-10.446
112	24	43.733	39.392	35.467	39.925	-4.342	-8.267	-3.808
113	34	40.297	36.632	28.818	32.812	-3.665	-11.479	-7.485
114	14	44.886	38.671	37.693	40.064	-6.214	-7.193	-4.821
115	14	46.650	40.971	38.250	46.350	-5.679	-8.400	-0.300
121	36	44.939	34.983	35.694	33.919	-9.956	-9.244	-11.019
122	31	43.332	36.958	34.697	37.600	-6.374	-8.635	-5.732
123	25	48.392	43.384	42.136	41.320	-5.008	-6.256	-7.072
124	25	42.256	40.656	39.372	44.632	-1.600	-2.884	2.376
125	18	44.878	44.483	39.333	46.928	-0.394	-5.544	2.050
131	23	43.430	35.674	39.200	32.052	-7.757	-4.230	-11.378
132	24	43.942	35.104	35.783	38.917	-8.837	-8.158	-5.025
133	27	48.085	41.315	38.289	44.807	-6.770	-9.796	-3.278
134	20	50.050	42.340	44.725	48.405	-7.710	-5.325	-1.645
135	14	46.064	42.000	41.086	54.321	-4.064	-4.979	8.257
141	24	52.146	46.883	46.988	41.971	-5.262	-5.158	-10.175
142	24	50.625	44.021	48.621	47.358	-6.604	-2.004	-3.267
143	21	45.729	38.419	43.176	41.819	-7.310	-2.552	-3.910
144	18	56.694	50.944	52.400	54.600	-5.750	-4.294	-2.094
145	8	60.525	52.825	51.563	59.925	-7.700	-8.962	-0.600
151	39	52.259	46.377	50.608	47.082	-5.882	-1.651	-5.177
152	25	50.716	43.636	53.832	47.736	-7.080	3.116	-2.980
153	24	52.204	46.754	52.167	52.704	-5.450	-0.037	0.500
154	21	56.286	50.695	57.081	54.705	-5.590	0.795	-1.581
155	28	63.332	55.989	61.475	66.600	-7.343	-1.857	3.268
211	38	37.313	40.013	36.721	30.745	2.700	-0.592	-6.568
212	28	43.696	44.871	41.293	39.007	1.175	-2.404	-4.689
213	27	38.604	41.481	33.815	41.996	2.878	-4.789	3.393
214	23	49.443	51.335	44.300	47.396	1.891	-5.143	-2.048
215	16	50.894	42.606	41.463	53.125	-8.287	-9.431	2.231
221	30	46.293	46.780	43.470	39.950	0.487	-2.823	-6.343
222	33	41.594	43.900	41.239	43.485	2.306	-0.355	1.891
223	26	40.777	41.323	36.888	38.631	0.546	-3.888	-2.146
224	24	45.196	42.292	39.467	46.754	-2.904	-5.729	1.558
225	22	44.405	47.491	41.782	50.968	3.086	-2.623	6.564
231	41	44.412	43.627	43.893	39.476	-0.785	-0.520	-4.937
232	27	41.100	44.748	45.163	44.400	3.648	4.063	3.300
233	15	45.280	44.473	46.567	45.573	-0.807	1.287	0.293
234	17	53.453	52.676	47.335	50.865	-0.776	-6.118	-2.588
235	15	49.447	53.753	47.613	49.947	4.307	-1.833	0.500
241	29	46.928	43.228	46.748	39.386	-3.700	-0.179	-7.541
242	30	45.317	46.170	43.360	44.413	0.853	-1.957	-0.903
243	24	46.271	41.329	40.888	45.429	-4.942	-5.383	-0.842
244	28	53.407	54.968	53.068	56.075	1.561	-0.339	2.668
245	17	55.947	60.771	57.735	61.524	4.824	1.788	5.576

TABLE B10

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT M8

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
251	34	51.771	56.244	55.844	47.685	4.474	4.074	-4.085
252	44	51.136	51.182	54.077	49.364	0.045	2.941	-1.773
253	30	51.163	49.450	55.967	55.037	-1.713	4.803	3.873
254	25	59.272	58.244	57.264	57.700	-1.028	-2.008	-1.572
255	46	61.613	61.424	62.257	64.239	-0.189	0.643	2.626
311	45	38.860	43.056	34.878	35.011	4.196	-3.982	-3.849
312	29	39.600	44.876	38.734	41.697	5.276	-0.866	2.097
313	31	34.884	38.432	29.474	32.900	3.548	-5.410	-1.984
314	17	45.159	49.853	38.918	40.741	4.694	-6.241	-4.418
315	19	50.384	53.753	44.711	48.253	3.368	-5.674	-2.132
321	41	43.363	46.005	39.827	36.920	2.641	-3.537	-6.444
322	43	46.147	49.360	43.760	43.658	3.214	-2.386	-2.488
323	36	40.222	45.450	36.358	40.667	5.228	-3.864	0.444
324	20	41.575	48.945	40.900	46.255	7.370	-0.675	4.680
325	26	46.165	48.692	43.831	49.365	2.527	-2.335	3.200
331	17	37.965	38.541	37.429	30.912	0.576	-0.535	-7.053
332	17	48.112	54.576	49.088	47.800	6.465	0.976	-0.312
333	13	47.069	46.108	47.515	44.469	-0.962	0.446	-2.600
334	20	44.875	42.525	42.230	44.135	-2.350	-2.645	-0.740
335	11	46.464	49.964	47.027	52.555	3.500	0.564	6.091
341	14	50.886	52.929	55.557	49.950	2.043	4.671	-0.936
342	25	49.904	49.140	50.380	46.624	-0.764	0.476	-3.280
343	18	50.506	55.617	50.156	48.100	5.111	-0.350	-2.406
344	29	56.903	62.266	53.862	54.531	5.362	-3.041	-2.372
345	23	61.087	61.904	60.500	61.209	0.817	-0.587	0.122
351	27	49.530	50.748	51.319	46.148	1.219	1.789	-3.381
352	39	54.469	51.182	54.136	52.108	-3.287	-0.333	-2.362
353	38	59.558	60.597	61.358	59.437	1.039	1.800	-0.121
354	32	56.869	56.938	56.281	56.250	0.069	-0.587	-0.619
355	30	61.423	61.960	61.287	62.553	0.537	-0.137	1.130
411	54	42.952	47.478	37.881	35.281	4.526	-5.070	-7.670
412	34	52.847	59.168	46.606	46.679	6.321	-6.241	-6.168
413	39	37.156	45.833	32.667	36.459	8.677	-4.490	-0.697
414	17	57.053	61.035	52.871	52.300	3.982	-4.182	-4.753
415	34	50.353	56.521	43.712	53.024	6.168	-6.641	2.671
421	35	43.483	49.840	41.660	40.754	6.357	-1.823	-2.729
422	35	47.343	49.106	45.203	44.217	1.763	-2.140	-3.126
423	34	42.532	46.447	39.621	41.800	3.915	-2.912	-0.732
424	26	41.254	44.135	39.927	45.592	2.881	-1.327	4.338
425	21	41.981	49.481	37.843	46.948	7.500	-4.138	4.967
431	21	40.962	47.900	40.390	41.038	6.938	-0.571	0.076
432	22	46.345	53.514	45.927	47.991	7.168	-0.418	1.645
433	16	49.925	50.137	47.500	47.244	0.212	-2.425	-2.681
434	20	44.080	52.165	45.140	39.890	8.085	1.060	-4.190
435	18	50.483	56.472	46.156	52.922	5.989	-4.328	2.439

TABLE B10

NCE MEANS AND MEAN DIFFERENCES BY GROUP FOR COHORT MB

GROUP	SIZE	MEAN93	MEAN94	MEAN95	MEAN96	DIF:94-93	DIF:95-93	DIF:96-93
441	28	51.839	58.764	54.254	45.229	6.925	2.414	-6.611
442	29	57.386	57.838	55.231	52.414	0.452	-2.155	-4.972
443	35	47.963	51.091	47.809	45.671	3.129	-0.154	-2.291
444	26	57.238	66.358	61.650	62.650	9.119	4.412	5.412
445	21	61.057	66.610	58.871	58.852	5.552	-2.186	-2.205
451	35	54.523	58.074	56.146	51.009	3.551	1.623	-3.514
452	39	56.551	62.864	59.523	57.049	6.313	2.972	0.497
453	40	64.648	69.370	65.310	63.310	4.723	0.662	-1.338
454	47	59.513	65.096	59.323	58.787	5.583	-0.189	-0.726
455	53	66.291	72.187	66.798	69.283	5.896	0.508	2.992
511	52	39.277	50.913	39.923	35.096	11.637	0.646	-4.181
512	35	47.031	56.537	41.883	44.531	9.506	-5.149	-2.500
513	34	43.876	55.012	41.421	42.247	11.135	-2.456	-1.629
514	29	49.669	58.645	47.469	52.297	8.976	-2.200	2.628
515	19	54.600	62.668	49.158	51.584	8.068	-5.442	-3.016
521	57	41.368	53.014	43.918	40.081	11.646	2.549	-1.288
522	41	45.554	60.020	45.790	45.171	14.466	0.237	-0.383
523	46	39.154	48.985	41.389	43.583	9.830	2.235	4.428
524	30	47.373	59.257	48.370	47.953	11.883	0.997	0.580
525	24	49.483	59.842	48.504	54.404	10.358	-0.979	4.921
531	19	44.111	54.216	49.063	39.616	10.105	4.953	-4.495
532	37	38.297	54.746	45.300	43.981	16.449	7.003	5.684
533	19	38.279	51.079	40.042	41.132	12.800	1.763	2.853
534	27	52.681	64.885	55.315	53.630	12.204	2.633	0.948
535	24	56.625	67.983	53.550	56.683	11.358	-3.075	0.058
541	35	48.089	56.317	50.814	46.109	8.229	2.726	-1.980
542	26	46.854	58.085	52.554	45.962	11.231	5.700	-0.892
543	32	48.278	56.622	50.703	50.206	8.344	2.425	1.928
544	36	52.750	63.636	54.606	54.244	10.886	1.856	1.494
545	27	58.481	68.748	61.422	63.696	10.267	2.941	5.215
551	47	56.060	63.430	57.932	52.191	7.370	1.872	-3.868
552	30	59.257	69.850	62.443	58.523	10.593	3.187	-0.733
553	35	57.306	65.286	58.611	58.217	7.980	1.306	0.911
554	36	60.025	71.081	64.931	61.983	11.056	4.906	1.958
555	61	68.111	78.433	72.267	72.215	10.321	4.156	4.103