Appendix E

Methodology and Detailed Results for the Effect of Choice Programs on Student Academic Outcomes

The first six tables show summary statistics for our dependent variable—the California Standards Test—and all regressors for the VEEP, magnet, and open-enrollment Choice math and reading models. These are based on specification (4), which was used because a lack of observations for specification (5) did not allow all regressions to be run. Regressor means are highly similar for the samples that use other test scores as outcomes.

Following the first six tables we present 24 tables that show the full regression results underlying Tables 4.2 and 4.3 in Chapter 4, and the more detailed results in Appendix C, Tables C.4 through C.9. The ordering of the tables follows that of Chapter 4 loosely, with four sets of tables showing results for the all grade spans sample, followed by the elementary, middle, and high school samples. Within each of these sets, we show results for VEEP reading and math in two tables, followed by four other tables in the same order of reading and math, for magnet programs and open-enrollment Choice.

Table E.1

Summary Statistics for VEEP CST Reading Based on Specification 4

Variable	Elementary School		Middle School		High School	
	Mean	Std. Dev.	Mean	Std. Dev.	Mean	Std. Dev.
Standardized CST reading score	–0.058	0.920	–0.349	0.869	–0.346	0.817
Lottery winner	0.556	0.503	0.712	0.453	0.386	0.488
2001 CST score	–0.059	0.985	–0.314	0.880	–0.280	0.884
Missing 2001 CST score	0.000	0.000	0.000	0.000	0.000	0.000
Squared 2001 CST score	0.952	1.020	0.872	0.911	0.857	0.973
Missing squared 2001 CST score	0.000	0.000	0.000	0.000	0.000	0.000
English learner	0.289	0.458	0.367	0.482	0.255	0.437
Fluent English proficient	0.222	0.420	0.250	0.433	0.286	0.453
Redesignated language-proficient that year	0.000	0.000	0.000	0.000	0.000	0.000
Parental education level, high school	0.222	0.420	0.156	0.363	0.145	0.353
Parental education level, some college	0.133	0.344	0.129	0.335	0.141	0.349
Parental education level, college	0.133	0.344	0.078	0.268	0.124	0.330
Parental education level, graduate school	0.000	0.000	0.017	0.131	0.010	0.101
Black student	0.111	0.318	0.126	0.331	0.152	0.359
Hispanic student	0.689	0.468	0.671	0.470	0.486	0.501
Asian student	0.156	0.367	0.091	0.287	0.262	0.441
Other race student	0.000	0.000	0.001	0.028	0.003	0.059
Female student	0.467	0.505	0.488	0.500	0.528	0.500
Missing student race	0.022	0.149	0.061	0.240	0.062	0.242
Missing EL status	0.022	0.149	0.061	0.240	0.062	0.242
Missing parental education level	0.022	0.149	0.061	0.240	0.062	0.242
Missing school location	0.000	0.000	0.000	0.000	0.000	0.000
English class size	10.594	5.058	9.868	5.648	8.925	4.794
No class size, English	0.022	0.149	0.061	0.240	0.062	0.242

Table E.2

Summary Statistics for VEEP CST Math Based on Specification 4

Variable	Elementary School Mean	Elementary School Std. Dev.	Middle School Mean	Middle School Std. Dev.	High School Mean	High School Std. Dev.
Standardized CST math score	–0.044	0.840	–0.322	0.818	–0.167	0.813
Lottery winner	0.565	0.501	0.710	0.454	0.393	0.489
2001 CST score	0.082	1.020	–0.250	0.859	–0.104	0.930
Missing 2001 CST score	0.000	0.000	0.000	0.000	0.000	0.000
Squared 2001 CST score	1.025	1.170	0.799	0.935	0.872	1.489
Missing squared 2001 CST score	0.000	0.000	0.000	0.000	0.000	0.000
English learner	0.283	0.455	0.372	0.484	0.232	0.423
Fluent English proficient	0.217	0.417	0.241	0.428	0.298	0.458
Redesignated language-proficient that year	0.000	0.000	0.000	0.000	0.000	0.000
Parental education level, high school	0.217	0.417	0.157	0.364	0.118	0.323
Parental education level, some college	0.130	0.341	0.121	0.327	0.154	0.362
Parental education level, college	0.130	0.341	0.083	0.276	0.132	0.339
Parental education level, graduate school	0.000	0.000	0.018	0.133	0.011	0.105
Black student	0.109	0.315	0.124	0.329	0.151	0.358
Hispanic student	0.674	0.474	0.676	0.468	0.471	0.500
Asian student	0.152	0.363	0.086	0.280	0.276	0.448
Other race student	0.000	0.000	0.001	0.038	0.004	0.061
Female student	0.457	0.504	0.480	0.500	0.526	0.500
Missing student race	0.043	0.206	0.064	0.245	0.070	0.255
Missing EL status	0.043	0.206	0.064	0.245	0.070	0.255
Missing parental education level	0.043	0.206	0.064	0.245	0.070	0.255
Missing school location	0.000	0.000	0.000	0.000	0.000	0.000
English class size	11.288	3.953	10.060	5.607	11.094	6.127
No class size, English	0.043	0.206	0.064	0.245	0.070	0.255

Table E.3

Summary Statistics for Magnet CST Reading Based on Specification 4

Variable	Elementary School Mean	Elementary School Std. Dev.	Middle School Mean	Middle School Std. Dev.	High School Mean	High School Std. Dev.
Standardized CST reading score	0.238	0.934	0.161	0.936	0.060	0.871
Lottery winner	0.476	0.500	0.413	0.493	0.279	0.449
2001 CST score	0.271	0.907	0.248	0.909	0.090	0.892
Missing 2001 CST score	0.000	0.000	0.000	0.000	0.000	0.000
Squared 2001 CST score	0.895	0.851	0.888	0.953	0.804	0.889
Missing squared 2001 CST score	0.000	0.000	0.000	0.000	0.000	0.000
English learner	0.139	0.347	0.088	0.283	0.098	0.297
Fluent English proficient	0.043	0.203	0.128	0.334	0.164	0.370
Redesignated language-proficient that year	0.000	0.000	0.000	0.000	0.000	0.000
Parental education level, high school	0.142	0.349	0.123	0.329	0.118	0.323
Parental education level, some college	0.232	0.422	0.194	0.396	0.190	0.393
Parental education level, college	0.155	0.362	0.212	0.409	0.224	0.417
Parental education level, graduate school	0.092	0.290	0.064	0.244	0.050	0.218
Black student	0.337	0.473	0.226	0.419	0.250	0.433
Hispanic student	0.339	0.474	0.281	0.450	0.326	0.469
Asian student	0.086	0.280	0.202	0.402	0.184	0.387
Other race student	0.017	0.130	0.006	0.076	0.010	0.098
Female student	0.461	0.499	0.465	0.499	0.491	0.500
Missing student race	0.045	0.208	0.126	0.332	0.113	0.317
Missing EL status	0.045	0.208	0.126	0.332	0.113	0.317
Missing parental education level	0.045	0.208	0.126	0.332	0.113	0.317
Missing school location	0.004	0.065	0.000	0.000	0.000	0.000
English class size	11.312	3.961	10.308	6.187	9.100	5.191
No class size, English	0.045	0.208	0.126	0.332	0.113	0.317

Table E.4

Summary Statistics for Magnet CST Math Based on Specification 4

Variable	Elementary School Mean	Std. Dev.	Middle School Mean	Std. Dev.	High School Mean	Std. Dev.
Standardized CST math score	0.071	1.067	0.015	0.883	−0.024	0.853
Lottery winner	0.476	0.500	0.416	0.493	0.290	0.454
2001 CST score	0.157	0.931	0.111	0.930	−0.012	0.880
Missing 2001 CST score	0.000	0.000	0.000	0.000	0.000	0.000
Squared 2001 CST score	0.890	1.074	0.876	1.042	0.774	1.237
Missing squared 2001 CST score	0.000	0.000	0.000	0.000	0.000	0.000
English learner	0.151	0.358	0.087	0.282	0.089	0.285
Fluent English proficient	0.041	0.199	0.126	0.332	0.169	0.375
Redesignated language-proficient that year	0.000	0.000	0.000	0.000	0.000	0.000
Parental education level, high school	0.141	0.348	0.129	0.335	0.115	0.319
Parental education level, some college	0.217	0.413	0.192	0.394	0.189	0.392
Parental education level, college	0.147	0.354	0.206	0.404	0.235	0.424
Parental education level, graduate school	0.088	0.284	0.059	0.235	0.050	0.217
Black student	0.339	0.474	0.236	0.425	0.249	0.432
Hispanic student	0.341	0.474	0.278	0.448	0.332	0.471
Asian student	0.094	0.292	0.196	0.397	0.186	0.390
Other race student	0.018	0.132	0.005	0.074	0.011	0.105
Female student	0.477	0.500	0.463	0.499	0.505	0.500
Missing student race	0.051	0.220	0.132	0.338	0.098	0.298
Missing EL status	0.051	0.220	0.132	0.338	0.098	0.298
Missing parental education level	0.051	0.220	0.132	0.338	0.098	0.298
Missing school location	0.004	0.062	0.000	0.000	0.000	0.000
English class size	11.139	4.018	10.297	5.733	10.898	5.953
No class size, English	0.051	0.220	0.132	0.338	0.098	0.298

Summary Statistics for Choice CST Reading Based on Specification 4

Variable	Elementary School		Middle School		High School	
	Mean	Std. Dev.	Mean	Std. Dev.	Mean	Std. Dev.
Standardized CST reading score	0.664	0.881	0.592	0.884	0.324	0.874
Lottery winner	0.334	0.473	0.545	0.498	0.354	0.479
2001 CST score	0.615	0.834	0.622	0.837	0.373	0.857
Missing 2001 CST score	0.000	0.000	0.000	0.000	0.000	0.000
Squared 2001 CST score	1.072	0.957	1.086	1.035	0.873	0.898
Missing squared 2001 CST score	0.000	0.000	0.000	0.000	0.000	0.000
English learner	0.066	0.248	0.050	0.219	0.073	0.260
Fluent English proficient	0.028	0.166	0.086	0.281	0.170	0.376
Redesignated language-proficient that year	0.000	0.000	0.000	0.000	0.000	0.000
Parental education level, high school	0.084	0.278	0.114	0.317	0.105	0.307
Parental education level, some college	0.184	0.388	0.215	0.411	0.221	0.415
Parental education level, college	0.206	0.405	0.225	0.418	0.231	0.422
Parental education level, graduate school	0.197	0.398	0.152	0.360	0.083	0.276
Black student	0.116	0.320	0.102	0.303	0.132	0.339
Hispanic student	0.250	0.434	0.218	0.413	0.284	0.451
Asian student	0.119	0.324	0.159	0.366	0.218	0.413
Other race student	0.025	0.156	0.009	0.095	0.010	0.101
Female student	0.484	0.501	0.479	0.500	0.551	0.498
Missing student race	0.022	0.147	0.061	0.239	0.080	0.271
Missing EL status	0.022	0.147	0.061	0.239	0.080	0.271
Missing parental education level	0.022	0.147	0.061	0.239	0.080	0.271
Missing school location	0.000	0.000	0.000	0.000	0.000	0.000
English class size	11.316	3.601	12.377	5.145	8.721	4.200
No class size, English	0.022	0.147	0.061	0.239	0.080	0.271

Table E.6

Summary Statistics for Choice CST Math Based on Specification 4

Variable	Elementary School Mean	Std. Dev.	Middle School Mean	Std. Dev.	High School Mean	Std. Dev.
Standardized CST math score	0.574	1.037	0.461	0.955	0.193	1.013
Lottery winner	0.331	0.471	0.539	0.499	0.355	0.479
2001 CST score	0.527	0.872	0.594	0.950	0.221	1.027
Missing 2001 CST score	0.000	0.000	0.000	0.000	0.000	0.000
Squared 2001 CST score	1.036	0.963	1.254	1.494	1.101	1.621
Missing squared 2001 CST score	0.000	0.000	0.000	0.000	0.000	0.000
English learner	0.081	0.273	0.051	0.219	0.075	0.263
Fluent English proficient	0.027	0.162	0.085	0.278	0.170	0.376
Redesignated language-proficient that year	0.000	0.000	0.000	0.000	0.000	0.000
Parental education level, high school	0.090	0.286	0.112	0.316	0.106	0.308
Parental education level, some college	0.176	0.381	0.212	0.409	0.217	0.412
Parental education level, college	0.197	0.398	0.227	0.419	0.245	0.430
Parental education level, graduate school	0.185	0.389	0.152	0.359	0.081	0.273
Black student	0.131	0.338	0.107	0.310	0.136	0.343
Hispanic student	0.263	0.441	0.218	0.413	0.283	0.451
Asian student	0.119	0.325	0.155	0.362	0.221	0.415
Other race student	0.027	0.162	0.009	0.094	0.011	0.104
Female student	0.493	0.501	0.475	0.500	0.542	0.499
Missing student race	0.018	0.133	0.064	0.246	0.073	0.261
Missing EL status	0.018	0.133	0.064	0.246	0.073	0.261
Missing parental education level	0.018	0.133	0.064	0.246	0.073	0.261
Missing school location	0.000	0.000	0.000	0.000	0.000	0.000
English class size	11.273	3.535	11.942	5.134	10.542	5.394
No class size, English	0.018	0.133	0.064	0.246	0.073	0.261

**Regression Results for VEEP, All Grade Spans Combined, for Various
Measures of Reading Achievement**

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	−0.1227	−0.0994	−0.0979	−0.1002	−0.0933
	(0.0576)*	(0.0343)**	(0.0341)**	(0.0338)**	(0.0346)**
No. of observations	1,772	1,657	1,657	1,657	1,657
No. of schools	101	90	90	90	90
No. of lottery winners	1,137	1,078	1,078	1,078	1,078
(as % of observations)	64.2	65.1	65.1	65.1	65.1
No. of lottery winners					
who switch	725	696	696	696	696
(as % of observations)	40.9	42.0	42.0	42.0	42.0
Stanford 9					
Lottery winner	−0.1420	−0.0872	−0.0870	−0.0865	−0.0903
	(0.0584)*	(0.0339)*	(0.0339)*	(0.0336)*	(0.0333)**
No. of observations	1,840	1,739	1,739	1,739	1,739
No. of schools	101	91	91	91	91
No. of lottery winners	1,182	1,128	1,128	1,128	1,128
(as % of observations)	64.2	64.9	64.9	64.9	64.9
No. of lottery winners					
who switch	754	726	726	726	726
(as % of observations)	41.0	41.7	41.7	41.7	41.7
SDRT					
Lottery winner	−0.0542	−0.0839	−0.0804	−0.0860	−0.0476
	(0.0621)	(0.0355)*	(0.0355)*	(0.0353)*	(0.0362)
No. of observations	1,642	1,455	1,455	1,455	1,455
No. of schools	78	66	66	66	66
No. of lottery winners	1,085	996	996	996	996
(as % of observations)	66.1	68.5	68.5	68.5	68.5
No. of lottery winners					
who switch	714	662	662	662	662
(as % of observations)	43.5	45.5	45.5	45.5	45.5
2003					
CST					
Lottery winner	−0.0987	−0.0575	−0.0624	−0.0649	−0.0821
	(0.0638)	(0.0431)	(0.0430)	(0.0405)	(0.0403)*
No. of observations	1,622	1,517	1,517	1,445	1,445
No. of schools	94	86	86	81	81

Table E.7 (continued)

			Specification		
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	1,049	995	995	953	953
(as % of observations)	64.7	65.6	65.6	66.0	66.0
No. of lottery winners					
who switch	683	655	655	642	642
(as % of observations)	42.1	43.2	43.2	44.4	44.4
			CAT/6		
Lottery winner	−0.1022	−0.0595	−0.0600	−0.0842	−0.0862
	(0.0625)	(0.0419)	(0.0419)	(0.0442)	(0.0445)
No. of observations	1,616	1,527	1,527	1,454	1,454
No. of schools	96	88	88	83	83
No. of lottery winners	1,049	1,000	1,000	958	958
(as % of observations)	64.9	65.5	65.5	65.9	65.9
No. of lottery winners					
who switch	682	657	657	644	644
(as % of observations)	42.2	43.0	43.0	44.3	44.3
			SDRT		
Lottery winner	−0.0887	−0.0490	−0.0424	−0.0559	−0.0866
	(0.0678)	(0.0427)	(0.0421)	(0.0383)	(0.0381)*
No. of observations	1,419	1,241	1,241	1,224	1,224
No. of schools	83	64	64	63	63
No. of lottery winners	951	851	851	842	842
(as % of observations)	67.0	68.6	68.6	68.8	68.8
No. of lottery winners					
who switch	653	593	593	591	591
(as % of observations)	46.0	47.8	47.8	48.3	48.3
			2004		
			CST		
Lottery winner	−0.0539	0.0055	0.0003	−0.0086	−0.0188
	(0.0604)	(0.0446)	(0.0416)	(0.0420)	(0.0418)
No. of observations	1,475	1,368	1,368	1,318	1,318
No. of schools	95	82	82	80	80
No. of lottery winners	974	911	911	875	875
(as % of observations)	66.0	66.6	66.6	66.4	66.4
No. of lottery winners					
who switch	636	604	604	592	592
(as % of observations)	43.1	44.2	44.2	44.9	44.9
			CAT/6		
Lottery winner	−0.0622	−0.0065	−0.0064	−0.0345	−0.0580
	(0.0663)	(0.0575)	(0.0577)	(0.0615)	(0.0554)
No. of observations	1,465	1,367	1,367	1,316	1,316
No. of schools	95	84	84	82	82

9

Table E.7 (continued)

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	968	909	909	873	873
(as % of observations)	66.1	66.5	66.5	66.3	66.3
No. of lottery winners					
who switch	632	602	602	590	590
(as % of observations)	43.1	44.0	44.0	44.8	44.8
		SDRT			
Lottery winner	−0.1233	−0.0898	−0.0853	−0.0959	−0.1173
	(0.0795)	(0.0597)	(0.0591)	(0.0514)	(0.0535)*
No. of observations	1,029	898	898	896	896
No. of schools	66	50	50	50	50
No. of lottery winners	709	632	632	630	630
(as % of observations)	68.9	70.4	70.4	70.3	70.3
No. of lottery winners					
who switch	495	451	451	451	451
(as % of observations)	48.1	50.2	50.2	50.3	50.3

Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.8

Regression Results for VEEP, All Grade Spans Combined, for Various Measures of Math Achievement

| | Specification | | | | |
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	–0.0909	–0.0730	–0.0802	–0.0733	–0.0716
	(0.0597)	(0.0383)	(0.0379)*	(0.0376)	(0.0384)
No. of observations	1,812	1,702	1,702	1,702	1,702
No. of schools	98	89	89	89	89
No. of lottery winners	1,168	1,115	1,115	1,115	1,115
(as % of observations)	64.5	65.5	65.5	65.5	65.5
No. of lottery winners					
who switch	751	724	724	724	724
(as % of observations)	41.4	42.5	42.5	42.5	42.5
Stanford 9					
Lottery winner	–0.0673	–0.0257	–0.0248	–0.0229	–0.0387
	(0.0593)	(0.0322)	(0.0320)	(0.0320)	(0.0320)
No. of observations	1,846	1,754	1,754	1,754	1,754
No. of schools	100	91	91	91	91
No. of lottery winners	1,182	1,139	1,139	1,139	1,139
(as % of observations)	64.0	64.9	64.9	64.9	64.9
No. of lottery winners					
who switch	755	734	734	734	734
(as % of observations)	40.9	41.8	41.8	41.8	41.8
2003					
CST					
Lottery winner	–0.0186	0.0197	0.0060	–0.0104	–0.0278
	(0.0637)	(0.0464)	(0.0458)	(0.0449)	(0.0528)
No. of observations	1,594	1,510	1,510	1,440	1,108
No. of schools	95	87	87	82	77
No. of lottery winners	1,048	1,004	1,004	964	785
(as % of observations)	65.7	66.5	66.5	66.9	70.8
No. of lottery winners					
who switch	686	665	665	652	557
(as % of observations)	43.0	44.0	44.0	45.3	50.3
CAT/6					
Lottery winner	–0.0846	–0.0063	–0.0068	–0.0083	–0.0252
	(0.0692)	(0.0461)	(0.0460)	(0.0483)	(0.0491)
No. of observations	1,613	1,537	1,537	1,464	1,464
No. of schools	96	89	89	85	85

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	1,048	1,010	1,010	968	968
(as % of observations)	65.0	65.7	65.7	66.1	66.1
No. of lottery winners					
who switch	680	662	662	649	649
(as % of observations)	42.2	43.1	43.1	44.3	44.3
2004					
CST					
Lottery winner	−0.0127	−0.0304	−0.0325	−0.0388	−0.0631
	(0.0672)	(0.0538)	(0.0546)	(0.0516)	(0.0519)
No. of observations	1,462	1,379	1,379	1,330	1,171
No. of schools	95	83	83	81	77
No. of lottery winners	965	916	916	882	787
(as % of observations)	66.0	66.4	66.4	66.3	67.2
No. of lottery winners					
who switch	630	606	606	694	542
(as % of observations)	43.1	43.9	43.9	52.2	46.3
CAT/6					
Lottery winner	−0.0217	0.0184	0.0087	0.0049	−0.0330
	(0.0704)	(0.0552)	(0.0506)	(0.0569)	(0.0537)
No. of observations	1,464	1,386	1,386	1,335	1,335
No. of schools	95	84	84	82	82
No. of lottery winners	969	925	925	889	889
(as % of observations)	66.2	66.7	66.7	66.6	66.6
No. of lottery winners					
who switch	634	614	614	602	602
(as % of observations)	43.3	44.3	44.3	45.1	45.1
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.9

Regression Results for Magnet, All Grade Spans Combined, for Various Measures of Reading Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	0.0181	0.0497	0.0467	0.0481	0.0451
	(0.0565)	(0.0331)	(0.0327)	(0.0326)	(0.0325)
No. of observations	3,396	2,911	2,911	2,911	2,911
No. of schools	177	160	160	160	160
No. of lottery winners	1,270	1,067	1,067	1,067	1,067
(as % of observations)	37.4	36.7	36.7	36.7	36.7
No. of lottery winners					
who switch	597	529	529	529	529
(as % of observations)	17.6	18.2	18.2	18.2	18.2
Stanford 9					
Lottery winner	−0.0127	0.0753	0.0746	0.0743	0.0469
	(0.0542)	(0.0340)*	(0.0340)*	(0.0336)*	(0.0326)
No. of observations	3,530	3,058	3,058	3,058	3,058
No. of schools	179	163	163	163	163
No. of lottery winners	1,319	1,115	1,115	1,115	1,115
(as % of observations)	37.4	36.5	36.5	36.5	36.5
No. of lottery winners					
who switch	618	559	559	559	559
(as % of observations)	17.5	18.3	18.3	18.3	18.3
SDRT					
Lottery winner	−0.0331	0.0299	0.0302	0.0257	0.0204
	(0.0664)	(0.0392)	(0.0392)	(0.0387)	(0.0377)
No. of observations	2,774	2,378	2,378	2,378	2,378
No. of schools	131	104	104	104	104
No. of lottery winners	1,045	876	876	876	876
(as % of observations)	37.7	36.8	36.8	36.8	36.8
No. of lottery winners					
who switch	558	485	485	485	485
(as % of observations)	20.1	20.4	20.4	20.4	20.4
2003					
CST					
Lottery winner	−0.0231	0.0602	0.0567	0.0359	0.0122
	(0.0552)	(0.0409)	(0.0403)	(0.0436)	(0.0407)
No. of observations	3,390	2,665	2,665	2,433	2,433
No. of schools	175	160	160	154	154

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	1,359	1,018	1,018	939	939
(as % of observations)	40.1	38.2	38.2	38.6	38.6
No. of lottery winners					
who switch	606	506	506	474	474
(as % of observations)	17.9	19.0	19.0	19.5	19.5
CAT/6					
Lottery winner	0.0245	0.0858	0.0830	0.0563	0.0375
	(0.0516)	(0.0444)	(0.0444)	(0.0484)	(0.0464)
No. of observations	3,362	2,692	2,692	2,458	2,458
No. of schools	175	161	161	155	155
No. of lottery winners	1,349	1,030	1,030	950	950
(as % of observations)	40.1	38.3	38.3	38.6	38.6
No. of lottery winners					
who switch	601	516	516	482	482
(as % of observations)	17.9	19.2	19.2	19.6	19.6
SDRT					
Lottery winner	−0.0139	0.0492	0.0492	0.0544	0.0079
	(0.0719)	(0.0489)	(0.0490)	(0.0508)	(0.0463)
No. of observations	2,287	1,755	1,755	1,663	1,663
No. of schools	153	103	103	100	100
No. of lottery winners	928	706	706	676	
(as % of observations)	40.6	40.2	40.2	40.6	0.0
No. of lottery winners					
who switch	484	403	403	387	
(as % of observations)	21.2	23.0	23.0	23.3	0.0
2004					
CST					
Lottery winner	−0.0592	0.0578	0.0522	0.0160	−0.0201
	(0.0540)	(0.0511)	(0.0502)	(0.0511)	(0.0480)
No. of observations	3,031	1,966	1,966	1,866	1,866
No. of schools	169	153	153	148	148
No. of lottery winners	1,456	808	808	779	779
(as % of observations)	48.0	41.1	41.1	41.7	41.7
No. of lottery winners					
who switch	620	413	413	406	406
(as % of observations)	20.5	21.0	21.0	21.8	21.8
CAT/6					
Lottery winner	−0.0650	0.0031	0.0028	−0.0274	−0.0879
	(0.0536)	(0.0597)	(0.0598)	(0.0614)	(0.0585)
No. of observations	3,037	1,989	1,989	1,888	1,888
No. of schools	169	154	154	149	149

Table E.9 (continued)

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	1,459	816	816	786	786
(as % of observations)	48.0	41.0	41.0	41.6	41.6
No. of lottery winners					
who switch	621	420	420	412	412
(as % of observations)	20.4	21.1	21.1	21.8	21.8
		SDRT			
Lottery winner	−0.1519	0.0295	0.0295	−0.0015	0.0170
	(0.0867)	(0.0614)	(0.0614)	(0.0616)	(0.0632)
No. of observations	1,463	999	999	974	974
No. of schools	134	81	81	80	80
No. of lottery winners	645	446	446	439	439
(as % of observations)	44.1	44.6	44.6	45.1	45.1
No. of lottery winners					
who switch	322	262	262	259	259
(as % of observations)	22.0	26.2	26.2	26.6	26.6
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.10

Regression Results for Magnet, All Grade Spans Combined, for Various Measures of Math Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	–0.0402	–0.0192	–0.0174	–0.0155	–0.0036
	(0.0550)	(0.0428)	(0.0426)	(0.0424)	(0.0424)
No. of observations	3,431	2,955	2,955	2,955	2,955
No. of schools	175	161	161	161	161
No. of lottery winners	1,312	1,112	1,112	1,112	1,112
(as % of observations)	38.2	37.6	37.6	37.6	37.6
No. of lottery winners					
who switch	626	557	557	557	557
(as % of observations)	18.2	18.8	18.8	18.8	18.8
Stanford 9					
Lottery winner	–0.0698	–0.0362	–0.0363	–0.0385	–0.0399
	(0.0542)	(0.0352)	(0.0351)	(0.0350)	(0.0340)
No. of observations	3,556	3,098	3,098	3,098	3,098
No. of schools	179	162	162	162	162
No. of lottery winners	1,348	1,146	1,146	1,146	1,146
(as % of observations)	37.9	37.0	37.0	37.0	37.0
No. of lottery winners					
who switch	634	572	572	572	572
(as % of observations)	17.8	18.5	18.5	18.5	18.5
2003					
CST					
Lottery winner	0.0162	0.1235	0.1248	0.1172	0.1118
	(0.0551)	(0.0490)*	(0.0484)**	(0.0522)*	(0.0534)*
No. of observations	3,271	2,604	2,604	2,388	2,075
No. of schools	172	157	157	154	143
No. of lottery winners	1,319	1,004	1,004	927	820
(as % of observations)	40.3	38.6	38.6	38.8	39.5
No. of lottery winners					
who switch	582	497	497	466	433
(as % of observations)	17.8	19.1	19.1	19.5	20.9
CAT/6					
Lottery winner	0.0063	0.0234	0.0256	0.0305	0.0771
	(0.0522)	(0.0453)	(0.0449)	(0.0479)	(0.0460)
No. of observations	3,362	2,720	2,720	2,483	2,483
No. of schools	175	159	159	154	154

	Specification				
	(1)	**(2)**	**(3)**	**(4)**	**(5)**
No. of lottery winners	1,352	1,045	1,045	963	963
(as % of observations)	40.2	38.4	38.4	38.8	38.8
No. of lottery winners					
who switch	606	526	526	491	491
(as % of observations)	18.0	19.3	19.3	19.8	19.8
	2004				
	CST				
Lottery winner	−0.0682	0.0661	0.0577	0.0459	0.0414
	(0.0536)	(0.0603)	(0.0597)	(0.0605)	(0.0583)
No. of observations	3,016	1,988	1,988	1,890	1,643
No. of schools	169	153	153	149	144
No. of lottery winners	1,450	819	819	790	703
(as % of observations)	48.1	41.2	41.2	41.8	42.8
No. of lottery winners					
who switch	616	419	419	412	377
(as % of observations)	20.4	21.1	21.1	21.8	22.9
	CAT/6				
Lottery winner	−0.0262	0.0990	0.1020	0.0944	0.0278
	(0.0537)	(0.0553)	(0.0551)	(0.0575)	(0.0549)
No. of observations	3,026	2,007	2,007	1,905	1,905
No. of schools	169	155	155	150	150
No. of lottery winners	1,458	825	825	795	795
(as % of observations)	48.2	41.1	41.1	41.7	41.7
No. of lottery winners					
who switch	620	424	424	416	416
(as % of observations)	20.5	21.1	21.1	21.8	21.8
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.11

Regression Results for Choice, All Grade Spans Combined, for Various Measures of Reading Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	−0.0394	0.0215	0.0189	0.0252	0.0341
	(0.0591)	(0.0352)	(0.0345)	(0.0340)	(0.0350)
No. of observations	2,077	1,770	1,770	1,770	1,770
No. of schools	153	136	136	136	136
No. of lottery winners	911	768	768	768	768
(as % of observations)	43.9	43.4	43.4	43.4	43.4
No. of lottery winners					
who switch	645	554	554	554	554
(as % of observations)	31.1	31.3	31.3	31.3	31.3
Stanford 9					
Lottery winner	−0.0290	−0.0173	−0.0134	−0.0061	−0.0050
	(0.0564)	(0.0361)	(0.0359)	(0.0352)	(0.0313)
No. of observations	2,117	1,810	1,810	1,810	1,810
No. of schools	156	137	137	137	137
No. of lottery winners	934	784	784	784	784
(as % of observations)	44.1	43.3	43.3	43.3	43.3
No. of lottery winners					
who switch	658	564	564	564	564
(as % of observations)	31.1	31.2	31.2	31.2	31.2
SDRT					
Lottery winner	−0.0368	−0.0172	−0.0131	0.0034	0.0063
	(0.0651)	(0.0425)	(0.0423)	(0.0367)	(0.0381)
No. of observations	1,670	1,389	1,389	1,389	1,389
No. of schools	107	85	85	85	85
No. of lottery winners	774	649	649	649	649
(as % of observations)	46.3	46.7	46.7	46.7	46.7
No. of lottery winners					
who switch	569	481	481	481	481
(as % of observations)	34.1	34.6	34.6	34.6	34.6
2003					
CST					
Lottery winner	−0.0457	0.0294	0.0223	0.0290	−0.0480
	(0.0620)	(0.0439)	(0.0429)	(0.0428)	(0.0380)
No. of observations	2,027	1,613	1,613	1,540	1,540
No. of schools	157	132	132	127	127

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	889	698	698	668	668
(as % of observations)	43.9	43.3	43.3	43.4	43.4
No. of lottery winners					
who switch	621	506	506	489	489
(as % of observations)	30.6	31.4	31.4	31.8	31.8
CAT/6					
Lottery winner	−0.0416	−0.0397	−0.0306	−0.0198	−0.0469
	(0.0614)	(0.0503)	(0.0501)	(0.0518)	(0.0470)
No. of observations	2,018	1,624	1,624	1,549	1,549
No. of schools	156	133	133	128	128
No. of lottery winners	881	695	695	665	665
(as % of observations)	43.7	42.8	42.8	42.9	42.9
No. of lottery winners					
who switch	620	508	508	491	491
(as % of observations)	30.7	31.3	31.3	31.7	31.7
SDRT					
Lottery winner	−0.0404	−0.0098	−0.0217	−0.0424	−0.0489
	(0.0677)	(0.0448)	(0.0392)	(0.0393)	(0.0399)
No. of observations	1,611	1,199	1,199	1,169	1,169
No. of schools	129	79	79	77	77
No. of lottery winners	705	560	560	546	546
(as % of observations)	43.8	46.7	46.7	46.7	46.7
No. of lottery winners					
who switch	529	429	429	418	418
(as % of observations)	32.8	35.8	35.8	35.8	35.8
2004					
CST					
Lottery winner	−0.0386	−0.0319	−0.0370	−0.0251	−0.0493
	(0.0570)	(0.0519)	(0.0505)	(0.0502)	(0.0442)
No. of observations	2,167	1,404	1,404	1,369	1,369
No. of schools	162	127	127	124	124
No. of lottery winners	1,039	612	612	598	598
(as % of observations)	47.9	43.6	43.6	43.7	43.7
No. of lottery winners					
who switch	674	449	449	447	447
(as % of observations)	31.1	32.0	32.0	32.7	32.7
CAT/6					
Lottery winner	−0.0135	−0.1036	−0.1049	−0.0922	−0.1049
	(0.0525)	(0.0527)*	(0.0528)*	(0.0541)	(0.0486)*
No. of observations	2,160	1,408	1,408	1,373	1,373
No. of schools	161	126	126	123	123

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	1,038	611	611	597	597
(as % of observations)	48.1	43.4	43.4	43.5	43.5
No. of lottery winners					
who switch	672	446	446	444	444
(as % of observations)	31.1	31.7	31.7	32.3	32.3
		SDRT			
Lottery winner	−0.1286	−0.1915	−0.1878	−0.1476	−0.1412
	(0.0831)	(0.0681)**	(0.0681)**	(0.0577)*	(0.0586)*
No. of observations	1,040	671	671	669	669
No. of schools	112	61	61	61	61
No. of lottery winners	512	379	379	378	378
(as % of observations)	49.2	56.5	56.5	56.5	56.5
No. of lottery winners					
who switch	380	300	300	300	300
(as % of observations)	36.5	44.7	44.7	44.8	44.8
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.12

Regression Results for Choice, All Grade Spans Combined, for Various Measures of Math Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	−0.0451	−0.0247	−0.0228	−0.0161	−0.0060
	(0.0625)	(0.0467)	(0.0464)	(0.0463)	(0.0473)
No. of observations	2,078	1,769	1,769	1,769	1,769
No. of schools	152	139	139	139	139
No. of lottery winners	921	766	766	766	766
(as % of observations)	44.3	43.3	43.3	43.3	43.3
No. of lottery winners					
who switch	659	558	558	558	558
(as % of observations)	31.7	31.5	31.5	31.5	31.5
Stanford 9					
Lottery winner	0.0136	−0.0438	−0.0436	−0.0315	−0.0231
	(0.0632)	(0.0395)	(0.0395)	(0.0392)	(0.0385)
No. of observations	2,131	1,827	1,827	1,827	1,827
No. of schools	156	140	140	140	140
No. of lottery winners	940	786	786	786	786
(as % of observations)	44.1	43.0	43.0	43.0	43.0
No. of lottery winners					
who switch	662	565	565	565	565
(as % of observations)	31.1	30.9	30.9	30.9	30.9
2003					
CST					
Lottery winner	0.0042	−0.0175	−0.0150	−0.0031	0.0072
	(0.0660)	(0.0559)	(0.0544)	(0.0536)	(0.0493)
No. of observations	1,995	1,603	1,603	1,533	1,340
No. of schools	156	135	135	131	123
No. of lottery winners	875	685	685	657	597
(as % of observations)	43.9	42.7	42.7	42.9	44.6
No. of lottery winners					
who switch	616	497	497	482	450
(as % of observations)	30.9	31.0	31.0	31.4	33.6
CAT/6					
Lottery winner	−0.0449	−0.0380	−0.0342	−0.0242	−0.0500
	(0.0601)	(0.0477)	(0.0477)	(0.0487)	(0.0433)
No. of observations	2,013	1,627	1,627	1,551	1,551
No. of schools	156	135	135	130	130

Table E.12 (continued)

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	881	696	696	666	666
(as % of observations)	43.8	42.8	42.8	42.9	42.9
No. of lottery winners					
who switch	619	505	505	488	488
(as % of observations)	30.8	31.0	31.0	31.5	31.5
2004					
CST					
Lottery winner	−0.0174	−0.1078	−0.1133	−0.1131	−0.1321
	(0.0592)	(0.0629)	(0.0614)	(0.0622)	(0.0567)*
No. of observations	2,166	1,413	1,413	1,378	1,187
No. of schools	162	130	130	127	121
No. of lottery winners	1,039	607	607	592	535
(as % of observations)	48.0	43.0	43.0	43.0	45.1
No. of lottery winners					
who switch	672	442	442	440	405
(as % of observations)	31.0	31.3	31.3	31.9	34.1
CAT/6					
Lottery winner	−0.0562	−0.0516	−0.0444	−0.0300	−0.0392
	(0.0592)	(0.0572)	(0.0569)	(0.0576)	(0.0515)
No. of observations	2,163	1,417	1,417	1,382	1,382
No. of schools	161	128	128	125	125
No. of lottery winners	1,038	609	609	595	595
(as % of					
observations)	48.0	43.0	43.0	43.1	43.1
No. of lottery winners					
who switch	670	443	443	441	441
(as % of observations)	31.0	31.3	31.3	31.9	31.9

Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.13

Regression Results for VEEP, Elementary School Students, for Various Measures of Reading Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	0.0069	0.0645	0.0429	−0.0219	
	(0.2515)	(0.1481)	(0.1332)	(0.1727)	
No. of observations	67	45	45	45	
No. of schools	33	22	22	22	
No. of lottery winners	36	25	25	25	
(as % of observations)	53.7	55.6	55.6	55.6	
No. of lottery winners who switch	10	7	7	7	
(as % of observations)	14.9	15.6	15.6	15.6	
Stanford 9					
Lottery winner	−0.0911	0.1301	0.1103	−0.0543	
	(0.2833)	(0.1691)	(0.1851)	(0.1913)	
No. of observations	67	46	46	46	
No. of schools	33	23	23	23	
No. of lottery winners	36	26	26	26	
(as % of observations)	53.7	56.5	56.5	56.5	
No. of lottery winners who switch	10	7	7	7	
(as % of observations)	14.9	15.2	15.2	15.2	
SDRT					
Lottery winner	0.2705				
	(0.5121)				
No. of observations	21				
No. of schools	12				
No. of lottery winners	9				
(as % of observations)	42.9				
No. of lottery winners who switch	3				
(as % of observations)	14.3				
2003					
CST					
Lottery winner	−0.2024	−0.1617	−0.2104		
	(0.2761)	(0.2157)	(0.2034)		
No. of observations	62	41	41		
No. of schools	33	22	22		

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	31	22	22		
(as % of observations)	50.0	53.7	53.7		
No. of lottery winners					
who switch	8	5	5		
(as % of observations)	12.9	12.2	12.2		
CAT/6					
Lottery winner	0.3723	0.4441	0.3854		
	(0.2461)	(0.2130)*	(0.2173)		
No. of observations	62	42	42		
No. of schools	33	23	23		
No. of lottery winners	31	23	23		
(as % of observations)	50.0	54.8	54.8		
No. of lottery winners					
who switch	8	5	5		
(as % of observations)	12.9	11.9	11.9		
SDRT					
Lottery winner	0.1027				
	(0.3141)				
No. of observations	38				
No. of schools	23				
No. of lottery winners	21				
(as % of observations)	55.3				
No. of lottery winners					
who switch	6				
(as % of observations)	15.8				
2004					
CST					
Lottery winner	0.2357	0.5353	0.5316		
	(0.2738)	(0.2723)*	(0.2700)*		
No. of observations	66	37	37		
No. of schools	31	19	19		
No. of lottery winners	36	20	20		
(as % of observations)	54.5	54.1	54.1		
No. of lottery winners					
who switch	13	5	5		
(as % of observations)	19.7	13.5	13.5		
CAT/6					
Lottery winner	0.0153	0.2512	0.2462		
	(0.1992)	(0.2558)	(0.2613)		
No. of observations	67	37	37		
No. of schools	32	19	19		

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	36	20	20		
(as % of observations)	53.7	54.1	54.1		
No. of lottery winners					
who switch	13	5	5		
(as % of observations)	19.4	13.5	13.5		
		SDRT			
Lottery winner	0.1534				
	(0.4905)				
No. of observations	25				
No. of schools	17				
No. of lottery winners	13				
(as % of observations)	52.0				
No. of lottery winners					
who switch	5				
(as % of observations)	20.0				

Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.14

Regression Results for VEEP, Elementary School Students, for Various Measures of Math Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	−0.3364	−0.0378	0.0098	−0.4348	
	(0.2537)	(0.2126)	(0.1998)	(0.2105)*	
No. of observations	67	46	46	46	
No. of schools	33	23	23	23	
No. of lottery winners	36	26			
(as % of observations)	53.7	56.5	0.0	0.0	
No. of lottery winners					
who switch	10	7			
(as % of observations)	14.9	15.2	0.0	0.0	
Stanford 9					
Lottery winner	−0.3266	0.0449	0.0402	−0.3385	
	(0.2665)	(0.2155)	(0.2196)	(0.1969)	
No. of observations	67	46	46	46	
No. of schools	33	23	23	23	
No. of lottery winners	36	26	26	26	
(as % of observations)	53.7	56.5	56.5	56.5	
No. of lottery winners					
who switch	10	7	7	7	
(as % of observations)	14.9	15.2	15.2	15.2	
2003					
CST					
Lottery winner	−0.3471	−0.0648	−0.0185		
	(0.3364)	(0.3279)	(0.3017)		
No. of observations	62	42	42		
No. of schools	33	23	23		
No. of lottery winners	31	23	23		
(as % of observations)	50.0	54.8	54.8		
No. of lottery winners					
who switch	8	5	5		
(as % of observations)	12.9	11.9	11.9		
CAT/6					
Lottery winner	−0.2962	0.2194	0.2116		
	(0.2945)	(0.3048)	(0.3094)		
No. of observations	62	42	42		
No. of schools	33	23	23		

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	31	23	23		
(as % of observations)	50.0	54.8	54.8		
No. of lottery winners					
who switch	8	5	5		
(as % of observations)	12.9	11.9	11.9		
	2004				
	CST				
Lottery winner	−0.1076	0.1289	0.3889		
	(0.3311)	(0.2828)	(0.2864)		
No. of observations	67	37	37		
No. of schools	32	19	19		
No. of lottery winners	36	20	20		
(as % of observations)	53.7	54.1	54.1		
No. of lottery winners					
who switch	13	5	5		
(as % of observations)	19.4	13.5	13.5		
	CAT/6				
Lottery winner	−0.0447	0.1566	0.0506		
	(0.2219)	(0.2846)	(0.2892)		
No. of observations	67	37	37		
No. of schools	32	19	19		
No. of lottery winners	36	20	20		
(as % of observations)	53.7	54.1	54.1		
No. of lottery winners					
who switch	13	5	5		
(as % of observations)	19.4	13.5	13.5		
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.15

Regression Results for Magnet, Elementary School Students, for Various Measures of Reading Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	−0.0576	−0.0259	−0.0318	−0.0069	−0.0106
	(0.0928)	(0.0742)	(0.0724)	(0.0729)	(0.0745)
No. of observations	756	466	466	466	466
No. of schools	116	103	103	103	103
No. of lottery winners	367	222	222	222	222
(as % of observations)	48.5	47.6	47.6	47.6	47.6
No. of lottery winners					
who switch	98	64	64	64	64
(as % of observations)	13.0	13.7	13.7	13.7	13.7
Stanford 9					
Lottery winner	−0.0613	0.1383	0.1404	0.1095	0.0289
	(0.0922)	(0.0772)	(0.0773)	(0.0771)	(0.0747)
No. of observations	791	487	487	487	487
No. of schools	118	105	105	105	105
No. of lottery winners	386	227	227	227	227
(as % of observations)	48.8	46.6	46.6	46.6	46.6
No. of lottery winners					
who switch	103	68	68	68	68
(as % of observations)	13.0	14.0	14.0	14.0	14.0
SDRT					
Lottery winner	−0.0433	0.1417	0.1755	0.2105	0.2211
	(0.1696)	(0.1132)	(0.1025)	(0.1013)*	(0.1114)*
No. of observations	260	113	113	113	113
No. of schools	76	46	46	46	46
No. of lottery winners	149	77	77	77	77
(as % of observations)	57.3	68.1	68.1	68.1	68.1
No. of lottery winners					
who switch	41	20	20	20	20
(as % of observations)	15.8	17.7	17.7	17.7	17.7
2003					
CST					
Lottery winner	−0.1596	0.0107	0.0023	0.0439	0.0253
	(0.0803)*	(0.0880)	(0.0856)	(0.0855)	(0.0846)
No. of observations	946	431	431	421	421
No. of schools	117	103	103	100	100

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	493	214	214	208	208
(as % of observations)	52.1	49.7	49.7	49.4	49.4
No. of lottery winners					
who switch	130	62	62	61	61
(as % of observations)	13.7	14.4	14.4	14.5	14.5
	CAT/6				
Lottery winner	−0.0565	0.1452	0.1355	0.1688	0.2087
	(0.0792)	(0.0966)	(0.0968)	(0.0966)	(0.1004)*
No. of observations	948	444	444	434	434
No. of schools	118	103	103	100	100
No. of lottery winners	494	218	218	212	212
(as % of observations)	52.1	49.1	49.1	48.8	48.8
No. of lottery winners					
who switch	129	63	63	62	62
(as % of observations)	13.6	14.2	14.2	14.3	14.3
	SDRT				
Lottery winner	0.0346	0.3170	0.3093	0.3700	
	(0.1207)	(0.1351)*	(0.1352)*	(0.1293)**	
No. of observations	429	96	96	96	
No. of schools	96	41	41	41	
No. of lottery winners	210	68	68	68	
(as % of observations)	49.0	70.8	70.8	70.8	
No. of lottery winners					
who switch	59	17	17	17	
(as % of observations)	13.8	17.7	17.7	17.7	
	2004				
	CST				
Lottery winner	−0.1934	−0.0949	−0.0906	−0.0936	−0.0705
	(0.0695)**	(0.0988)	(0.0968)	(0.0978)	(0.0963)
No. of observations	1,291	379	379	371	371
No. of schools	117	97	97	94	94
No. of lottery winners	772	181	181	176	176
(as % of observations)	59.8	47.8	47.8	47.4	47.4
No. of lottery winners					
who switch	228	49	49	48	48
(as % of observations)	17.7	12.9	12.9	12.9	12.9
	CAT/6				
Lottery winner	−0.1647	−0.0779	−0.0798	−0.0903	−0.0903
	(0.0661)*	(0.1008)	(0.1016)	(0.1029)	(0.1029)
No. of observations	1,308	389	389	381	381
No. of schools	117	98	98	95	95

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	784	184	184	179	179
(as % of observations)	59.9	47.3	47.3	47.0	47.0
No. of lottery winners					
who switch	234	52	52	51	51
(as % of observations)	17.9	13.4	13.4	13.4	13.4
	SDRT				
Lottery winner	−0.2770	0.1088	0.0793	0.0746	
	(0.1302)*	(0.1545)	(0.1496)	(0.1705)	
No. of observations	436	76	76	76	
No. of schools	93	34	34	34	
No. of lottery winners	211	51	51	51	
(as % of observations)	48.4	67.1	67.1	67.1	
No. of lottery winners					
who switch	59	11	11	11	
(as % of observations)	13.5	14.5	14.5	14.5	

Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.16

Regression Results for Magnet, Elementary School Students, for Various Measures of Math Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	−0.1149	−0.0717	−0.0644	−0.0586	−0.0404
	(0.0968)	(0.0919)	(0.0914)	(0.0910)	(0.0912)
No. of observations	797	511	511	511	511
No. of schools	119	106	106	106	106
No. of lottery winners	392	243	243	243	243
(as % of observations)	49.2	47.6	47.6	47.6	47.6
No. of lottery winners who switch	112	69	69	69	69
(as % of observations)	14.1	13.5	13.5	13.5	13.5
Stanford 9					
Lottery winner	−0.1847	−0.1317	−0.1277	−0.1202	−0.1147
	(0.0982)	(0.0886)	(0.0886)	(0.0884)	(0.0834)
No. of observations	819	516	516	516	516
No. of schools	119	106	106	106	106
No. of lottery winners	408	245	245	245	245
(as % of observations)	49.8	47.5	47.5	47.5	47.5
No. of lottery winners who switch	113	70	70	70	70
(as % of observations)	13.8	13.6	13.6	13.6	13.6
2003					
CST					
Lottery winner	−0.1385	0.0128	0.0218	0.0399	0.0889
	(0.0856)	(0.0964)	(0.0960)	(0.0957)	(0.0963)
No. of observations	951	464	464	454	417
No. of schools	118	104	104	101	95
No. of lottery winners	493	227	227	221	205
(as % of observations)	51.8	48.9	48.9	48.7	49.2
No. of lottery winners who switch	129	65	65	64	62
(as % of observations)	13.6	14.0	14.0	14.1	14.9
CAT/6					
Lottery winner	−0.1083	0.0886	0.0769	0.0936	0.1168
	(0.0812)	(0.0935)	(0.0932)	(0.0948)	(0.0957)
No. of observations	949	464	464	454	454
No. of schools	118	104	104	101	101

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	494	228	228	222	222
(as % of observations)	52.1	49.1	49.1	48.9	48.9
No. of lottery winners					
who switch	129	65	65	64	64
(as % of observations)	13.6	14.0	14.0	14.1	14.1
2004					
CST					
Lottery winner	−0.0962	−0.0460	−0.0554	−0.0595	0.1018
	(0.0756)	(0.1053)	(0.1044)	(0.1047)	(0.1061)
No. of observations	1,304	399	399	391	348
No. of schools	117	99	99	96	92
No. of lottery winners	780	189	189	184	167
(as % of observations)	59.8	47.4	47.4	47.1	48.0
No. of lottery winners					
who switch	232	52	52	51	44
(as % of observations)	17.8	13.0	13.0	13.0	12.6
CAT/6					
Lottery winner	−0.1011	−0.0098	−0.0039	0.0251	0.0078
	(0.0708)	(0.1047)	(0.1051)	(0.1081)	(0.1086)
No. of observations	1,305	400	400	392	392
No. of schools	117	100	100	97	97
No. of lottery winners	782	188	188	183	183
(as % of observations)	59.9	47.0	47.0	46.7	46.7
No. of lottery winners					
who switch	233	52	52	51	51
(as % of observations)	17.9	13.0	13.0	13.0	13.0
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

**Regression Results for Open-Enrollment Choice, Elementary School
Students, for Various Measures of Reading Achievement**

	Specification				
	(1)	(2)	(3)	(4)	(5)
	2002				
	CST				
Lottery winner	0.1250	0.0406	0.0124	0.0062	−0.0006
	(0.1029)	(0.0763)	(0.0730)	(0.0713)	(0.0725)
No. of observations	471	320	320	320	320
No. of schools	101	84	84	84	84
No. of lottery winners	167	107	107	107	107
(as % of observations)	35.5	33.4	33.4	33.4	33.4
No. of lottery winners					
who switch	100	70	70	70	70
(as % of observations)	21.2	21.9	21.9	21.9	21.9
	Stanford 9				
Lottery winner	0.1505	−0.0010	0.0211	0.0084	−0.0590
	(0.0959)	(0.0744)	(0.0744)	(0.0732)	(0.0694)
No. of observations	490	328	328	328	328
No. of schools	104	85	85	85	85
No. of lottery winners	181	111	111	111	111
(as % of observations)	36.9	33.8	33.8	33.8	33.8
No. of lottery winners					
who switch	106	71	71	71	71
(as % of observations)	21.6	21.6	21.6	21.6	21.6
	SDRT				
Lottery winner	0.1025	−0.0924	−0.0661	0.0472	
	(0.1692)	(0.1644)	(0.1707)	(0.1491)	
No. of observations	144	65	65	65	
No. of schools	54	28	28	28	
No. of lottery winners	60	29	29	29	
(as % of observations)	41.7	44.6	44.6	44.6	
No. of lottery winners					
who switch	41	20	20	20	
(as % of observations)	28.5	30.8	30.8	30.8	
	2003				
	CST				
Lottery winner	−0.0184	−0.0231	−0.0423	−0.0818	−0.1268
	(0.1052)	(0.0888)	(0.0871)	(0.0845)	(0.0930)
No. of observations	525	277	277	276	276
No. of schools	105	82	82	81	81

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	208	94	94	94	94
(as % of observations)	39.6	33.9	33.9	34.1	34.1
No. of lottery winners					
who switch	122	62	62	62	62
(as % of observations)	23.2	22.4	22.4	22.5	22.5
		CAT/6			
Lottery winner	−0.0352	−0.1996	−0.1675	−0.1812	−0.1224
	(0.1047)	(0.1091)	(0.1078)	(0.1102)	(0.1181)
No. of observations	527	283	283	282	282
No. of schools	105	83	83	82	82
No. of lottery winners	208	94	94	94	94
(as % of observations)	39.5	33.2	33.2	33.3	33.3
No. of lottery winners					
who switch	123	63	63	63	63
(as % of observations)	23.3	22.3	22.3	22.3	22.3
		SDRT			
Lottery winner	0.0515	−0.1318	−0.1553	−0.0354	
	(0.1481)	(0.1802)	(0.1923)	(0.2064)	
No. of observations	288	54	54	54	
No. of schools	77	24	24	24	
No. of lottery winners	97	25	25	25	
(as % of observations)	33.7	46.3	46.3	46.3	
No. of lottery winners					
who switch	62	18	18	18	
(as % of observations)	21.5	33.3	33.3	33.3	
		2004			
		CST			
Lottery winner	0.0775	−0.1639	−0.1931	−0.0251	−0.3124
	(0.0785)	(0.1100)	(0.1106)	(0.0502)	(0.1243)*
No. of observations	874	260	260	1369	255
No. of schools	112	77	77	124	75
No. of lottery winners	440	81	81	598	81
(as % of observations)	50.3	31.2	31.2	43.7	31.8
No. of lottery winners					
who switch	228	53	53	447	53
(as % of observations)	26.1	20.4	20.4	32.7	20.8
		CAT/6			
Lottery winner	0.0844	−0.3013	−0.3065	−0.3113	−0.3339
	(0.0714)	(0.1007)**	(0.1027)**	(0.1025)**	(0.1159)*
No. of observations	876	262	262	257	257
No. of schools	112	76	76	74	74

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	443	82	82	82	82
(as % of observations)	50.6	31.3	31.3	31.9	31.9
No. of lottery winners					
who switch	230	54	54	54	54
(as % of observations)	26.3	20.6	20.6	21.0	21.0
		SDRT			
Lottery winner	0.0970	−0.6047	−0.6305	−0.6509	
	(0.1247)	(0.1792)**	(0.1821)**	(0.2336)**	
No. of observations	319	47	47	47	
No. of schools	70	22	22	22	
No. of lottery winners	116	21	21	21	
(as % of observations)	36.4	44.7	44.7	44.7	
No. of lottery winners					
who switch	67	15	15	15	
(as % of observations)	21.0	31.9	31.9	31.9	
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.18

Regression Results for Open-Enrollment Choice, Elementary School Students, for Various Measures of Math Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	0.0057	−0.0472	−0.0658	−0.0428	0.0122
	(0.1137)	(0.0944)	(0.0917)	(0.0934)	(0.0954)
No. of observations	483	335	335	335	335
No. of schools	103	88	88	88	88
No. of lottery winners	178	111	111	111	111
(as % of observations)	36.9	33.1	33.1	33.1	33.1
No. of lottery winners					
who switch	105	71	71	71	71
(as % of observations)	21.7	21.2	21.2	21.2	21.2
Stanford 9					
Lottery winner	0.1127	−0.0126	−0.0042	−0.0009	0.0247
	(0.1116)	(0.0922)	(0.0922)	(0.0928)	(0.0874)
No. of observations	497	340	340	340	340
No. of schools	105	88	88	88	88
No. of lottery winners	184	111	111	111	111
(as % of observations)	37.0	32.6	32.6	32.6	32.6
No. of lottery winners					
who switch	107	71	71	71	71
(as % of observations)	21.5	20.9	20.9	20.9	20.9
2003					
CST					
Lottery winner	−0.0609	−0.1247	−0.1358	−0.1679	−0.1327
	(0.1145)	(0.1222)	(0.1138)	(0.1083)	(0.1060)
No. of observations	527	294	294	293	275
No. of schools	105	86	86	85	82
No. of lottery winners	209	95	95	95	91
(as % of observations)	39.7	32.3	32.3	32.4	33.1
No. of lottery winners					
who switch	123	63	63	63	62
(as % of observations)	23.3	21.4	21.4	21.5	22.5
CAT/6					
Lottery winner	−0.0206	−0.0120	−0.0022	−0.0156	−0.0994
	(0.0993)	(0.1075)	(0.1078)	(0.1100)	(0.1127)
No. of observations	526	292	292	291	291
No. of schools	105	85	85	84	84

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	207	94	94	94	94
(as % of observations)	39.4	32.2	32.2	32.3	32.3
No. of lottery winners					
who switch	122	63	63	63	63
(as % of observations)	23.2	21.6	21.6	21.6	21.6
	2004				
	CST				
Lottery winner	0.1015	−0.0522	−0.1229	−0.1596	−0.3200
	(0.0842)	(0.1298)	(0.1226)	(0.1236)	(0.1437)*
No. of observations	876	273	273	268	217
No. of schools	112	80	80	78	72
No. of lottery winners	443	82	82	82	71
(as % of observations)	50.6	30.0	30.0	30.6	32.7
No. of lottery winners					
who switch	230	54	54	54	48
(as % of observations)	26.3	19.8	19.8	20.1	22.1
	CAT/6				
Lottery winner	−0.0278	−0.0542	−0.0606	−0.0819	−0.0953
	(0.0829)	(0.1143)	(0.1151)	(0.1228)	(0.1351)
No. of observations	878	273	273	268	268
No. of schools	112	79	79	77	77
No. of lottery winners	444	82	82	82	82
(as % of observations)	50.6	30.0	30.0	30.6	30.6
No. of lottery winners					
who switch	230	54	54	54	54
(as % of observations)	26.2	19.8	19.8	20.1	20.1
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.19

Regression Results for VEEP, Middle School Students, for Various Measures of Reading Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	−0.1375	−0.0868	−0.0848	−0.0868	−0.0780
	(0.0671)*	(0.0397)*	(0.0396)*	(0.0391)*	(0.0407)
No. of observations	1,375	1,322	1,322	1,322	1,322
No. of schools	56	53	53	53	53
No. of lottery winners	978	941	941	941	941
(as % of observations)	71.1	71.2	71.2	71.2	71.2
No. of lottery winners					
who switch	670	648	648	648	648
(as % of observations)	48.7	49.0	49.0	49.0	49.0
Stanford 9					
Lottery winner	−0.1453	−0.0678	−0.0685	−0.0756	−0.0631
	(0.0650)*	(0.0389)	(0.0389)	(0.0423)	(0.0386)
No. of observations	1,432	1,384	1,384	1,384	1,384
No. of schools	56	54	54	54	54
No. of lottery winners	1019	984	984	984	984
(as % of observations)	71.2	71.1	71.1	71.1	71.1
No. of lottery winners					
who switch	697	675	675	675	675
(as % of observations)	48.7	48.8	48.8	48.8	48.8
SDRT					
Lottery winner	−0.0896	−0.0980	−0.0940	−0.0986	−0.0498
	(0.0651)	(0.0383)*	(0.0382)*	(0.0380)**	(0.0391)
No. of observations	1,387	1,281	1,281	1,281	1,281
No. of schools	51	50	50	50	50
No. of lottery winners	979	918	918	918	918
(as % of observations)	70.6	71.7	71.7	71.7	71.7
No. of lottery winners					
who switch	672	633	633	633	633
(as % of observations)	48.4	49.4	49.4	49.4	49.4
2003					
CST					
Lottery winner	−0.0829	−0.0157	−0.0151	−0.0454	−0.0679
	(0.0660)	(0.0432)	(0.0431)	(0.0452)	(0.0450)
No. of observations	1,334	1,278	1,278	1,220	1,220
No. of schools	52	51	51	48	48

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	935	898	898	862	862
(as % of observations)	70.1	70.3	70.3	70.7	70.7
No. of lottery winners					
who switch	642	621	621	610	610
(as % of observations)	48.1	48.6	48.6	50.0	50.0
	CAT/6				
Lottery winner	−0.1391	−0.0628	−0.0637	−0.0925	−0.1011
	(0.0630)*	(0.0468)	(0.0468)	(0.0495)	(0.0501)*
No. of observations	1,334	1,283	1,283	1,225	1,225
No. of schools	53	52	52	49	49
No. of lottery winners	935	900	900	864	864
(as % of observations)	70.1	70.1	70.1	70.5	70.5
No. of lottery winners					
who switch	640	620	620	609	609
(as % of observations)	48.0	48.3	48.3	49.7	49.7
	SDRT				
Lottery winner	−0.0825	−0.0605	−0.0582	−0.0588	−0.0981
	(0.0711)	(0.0453)	(0.0453)	(0.0401)	(0.0396)*
No. of observations	1,242	1,132	1,132	1,120	1,120
No. of schools	49	48	48	47	47
No. of lottery winners	869	800	800	794	794
(as % of observations)	70.0	70.7	70.7	70.9	70.9
No. of lottery winners					
who switch	618	573	573	572	572
(as % of observations)	49.8	50.6	50.6	51.1	51.1
	2004				
	CST				
Lottery winner	−0.1040	−0.0222	−0.0215	−0.0405	−0.0711
	(0.0657)	(0.0448)	(0.0446)	(0.0453)	(0.0454)
No. of observations	1,253	1,192	1,192	1,149	1,149
No. of schools	52	50	50	49	49
No. of lottery winners	877	836	836	803	803
(as % of observations)	70.0	70.1	70.1	69.9	69.9
No. of lottery winners					
who switch	602	580	580	568	568
(as % of observations)	48.0	48.7	48.7	49.4	49.4
	CAT/6				
Lottery winner	−0.1165	−0.0384	−0.0370	−0.0503	−0.0943
	(0.0756)	(0.0562)	(0.0561)	(0.0577)	(0.0602)
No. of observations	1,244	1,189	1,189	1,146	1,146
No. of schools	52	51	51	50	50

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	872	834	834	801	801
(as % of observations)	70.1	70.1	70.1	69.9	69.9
No. of lottery winners					
who switch	598	577	577	565	565
(as % of observations)	48.1	48.5	48.5	49.3	49.3
		SDRT			
Lottery winner	−0.1314	−0.0902	−0.0855	−0.0958	−0.1174
	(0.0868)	(0.0596)	(0.0591)	(0.0514)	(0.0535)*
No. of observations	998	893	893	891	891
No. of schools	48	47	47	47	47
No. of lottery winners	693	630	630	628	628
(as % of observations)	69.4	70.5	70.5	70.5	70.5
No. of lottery winners					
who switch	487	449	449	449	449
(as % of observations)	48.8	50.3	50.3	50.4	50.4

Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.20

Regression Results for VEEP, Middle School Students, for Various Measures of Math Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	−0.1077	−0.1035	−0.1114	−0.0970	−0.0974
	(0.0623)	(0.0449)*	(0.0447)*	(0.0406)*	(0.0418)*
No. of observations	1,424	1,384	1,384	1,384	1,384
No. of schools	55	53	53	53	53
No. of lottery winners	1009	982	982	982	982
(as % of					
observations)	70.9	71.0	71.0	71.0	71.0
No. of lottery winners					
who switch	693	677	677	677	677
(as % of observations)	48.7	48.9	48.9	48.9	48.9
Stanford 9					
Lottery winner	−0.0833	−0.0327	−0.0317	−0.0281	−0.0331
	(0.0627)	(0.0355)	(0.0354)	(0.0353)	(0.0357)
No. of observations	1,435	1,402	1,402	1,402	1,402
No. of schools	55	54	54	54	54
No. of lottery winners	1020	996	996	996	996
(as % of observations)	71.1	71.0	71.0	71.0	71.0
No. of lottery winners					
who switch	698	684	684	684	684
(as % of observations)	48.6	48.8	48.8	48.8	48.8
2003					
CST					
Lottery winner	−0.0178	0.0247	0.0179	−0.0052	0.0092
	(0.0634)	(0.0476)	(0.0511)	(0.0487)	(0.0582)
No. of observations	1,325	1,289	1,289	1,232	940
No. of schools	53	52	52	49	46
No. of lottery winners	937	912	912	876	714
(as % of observations)	70.7	70.8	70.8	71.1	76.0
No. of lottery winners					
who switch	643	630	630	619	531
(as % of observations)	48.5	48.9	48.9	50.2	56.5
CAT/6					
Lottery winner	−0.0857	−0.0156	−0.0181	−0.0236	−0.0421
	(0.0699)	(0.0502)	(0.0499)	(0.0528)	(0.0535)
No. of observations	1,329	1,298	1,298	1,240	1,240
No. of schools	53	53	53	50	50

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	934	912	912	876	876
(as % of observations)	70.3	70.3	70.3	70.6	70.6
No. of lottery winners					
who switch	639	628	628	617	617
(as % of observations)	48.1	48.4	48.4	49.8	49.8
	2004				
	CST				
Lottery winner	−0.0432	−0.0336	−0.0405	−0.0363	−0.0591
	(0.0716)	(0.0555)	(0.0605)	(0.0561)	(0.0567)
No. of observations	1,243	1,206	1,206	1,163	1,036
No. of schools	52	51	51	50	48
No. of lottery winners	872	845	845	812	732
(as % of observations)	70.2	70.1	70.1	69.8	70.7
No. of lottery winners					
who switch	597	584	584	572	523
(as % of observations)	48.0	48.4	48.4	49.2	50.5
	CAT/6				
Lottery winner	−0.0558	−0.0073	−0.0091	−0.0150	−0.0562
	(0.0712)	(0.0543)	(0.0543)	(0.0559)	(0.0579)
No. of observations	1,244	1,209	1,209	1,166	1,166
No. of schools	52	51	51	50	50
No. of lottery winners	874	850	850	817	817
(as % of observations)	70.3	70.3	70.3	70.1	70.1
No. of lottery winners					
who switch	600	589	589	577	577
(as % of observations)	48.2	48.7	48.7	49.5	49.5
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

**Regression Results for Magnet, Middle School Students, for Various
Measures of Reading Achievement**

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	−0.0105	0.0094	0.0083	−0.0023	0.0097
	(0.1074)	(0.0527)	(0.0524)	(0.0519)	(0.0526)
No. of observations	1,290	1,210	1,210	1,210	1,210
No. of schools	66	64	64	64	64
No. of lottery winners	535	500	500	500	500
(as % of observations)	41.5	41.3	41.3	41.3	41.3
No. of lottery winners					
who switch	301	284	284	284	284
(as % of observations)	23.3	23.5	23.5	23.5	23.5
Stanford 9					
Lottery winner	−0.0347	0.0034	−0.0057	−0.0110	−0.0402
	(0.1012)	(0.0544)	(0.0539)	(0.0534)	(0.0523)
No. of observations	1,357	1,288	1,288	1,288	1,288
No. of schools	66	64	64	64	64
No. of lottery winners	559	533	533	533	533
(as % of observations)	41.2	41.4	41.4	41.4	41.4
No. of lottery winners					
who switch	314	304	304	304	304
(as % of observations)	23.1	23.6	23.6	23.6	23.6
SDRT					
Lottery winner	−0.1341	−0.0305	−0.0310	−0.0427	−0.0227
	(0.1035)	(0.0588)	(0.0588)	(0.0545)	(0.0557)
No. of observations	1,316	1,216	1,216	1,216	1,216
No. of schools	57	56	56	56	56
No. of lottery winners	555	518	518	518	518
(as % of observations)	42.2	42.6	42.6	42.6	42.6
No. of lottery winners					
who switch	329	311	311	311	311
(as % of observations)	25.0	25.6	25.6	25.6	25.6
2003					
CST					
Lottery winner	0.0067	−0.0173	−0.0213	−0.0208	−0.0409
	(0.1077)	(0.0601)	(0.0587)	(0.0609)	(0.0605)
No. of observations	1,258	1,163	1,163	1,056	1,056
No. of schools	65	64	64	59	59

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	527	492	492	463	463
(as % of observations)	41.9	42.3	42.3	43.8	43.8
No. of lottery winners					
who switch	299	282	282	279	279
(as % of observations)	23.8	24.2	24.2	26.4	26.4
	CAT/6				
Lottery winner	−0.0038	−0.0149	−0.0218	−0.0168	−0.0170
	(0.0945)	(0.0618)	(0.0616)	(0.0633)	(0.0645)
No. of observations	1,257	1,179	1,179	1,072	1,072
No. of schools	65	64	64	58	58
No. of lottery winners	527	503	503	474	474
(as % of observations)	41.9	42.7	42.7	44.2	44.2
No. of lottery winners					
who switch	300	291	291	288	288
(as % of observations)	23.9	24.7	24.7	26.9	26.9
	SDRT				
Lottery winner	−0.0228	−0.0228	−0.0235	−0.0533	−0.0756
	(0.1087)	(0.0648)	(0.0648)	(0.0663)	(0.0602)
No. of observations	1,182	1,078	1,078	1,022	1,022
No. of schools	63	61	61	59	59
No. of lottery winners	500	461	461	449	449
(as % of observations)	42.3	42.8	42.8	43.9	43.9
No. of lottery winners					
who switch	301	287	287	284	284
(as % of observations)	25.5	26.6	26.6	27.8	27.8
	2004				
	CST				
Lottery winner	0.0547	0.0399	0.0313	−0.0213	0.0216
	(0.1151)	(0.0736)	(0.0718)	(0.0690)	(0.0678)
No. of observations	1,126	1,031	1,031	970	970
No. of schools	62	62	62	60	60
No. of lottery winners	466	427	427	411	411
(as % of observations)	41.4	41.4	41.4	42.4	42.4
No. of lottery winners					
who switch	268	250	250	248	248
(as % of observations)	23.8	24.2	24.2	25.6	25.6
	CAT/6				
Lottery winner	−0.0665	−0.0612	−0.0714	−0.0871	−0.1292
	(0.1133)	(0.0791)	(0.0788)	(0.0808)	(0.0827)
No. of observations	1,121	1,042	1,042	981	981
No. of schools	62	62	62	60	60

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	463	434	434	418	418
(as % of observations)	41.3	41.7	41.7	42.6	42.6
No. of lottery winners					
who switch	266	254	254	252	252
(as % of observations)	23.7	24.4	24.4	25.7	25.7
	SDRT				
Lottery winner	−0.0631	0.0181	0.0185	−0.0050	−0.0051
	(0.1185)	(0.0743)	(0.0742)	(0.0745)	(0.0702)
No. of observations	1,002	901	901	877	877
No. of schools	58	57	57	56	56
No. of lottery winners	428	390	390	390	384
(as % of observations)	42.7	43.3	43.3	44.5	43.8
No. of lottery winners					
who switch	260	248	248	248	246
(as % of observations)	25.9	27.5	27.5	28.3	28.1
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.22

Regression Results for Magnet, Middle School Students, for Various Measures of Math Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	−0.0058	−0.0270	−0.0263	−0.0337	−0.0202
	(0.1014)	(0.0649)	(0.0644)	(0.0628)	(0.0610)
No. of observations	1,339	1,274	1,274	1,274	1,274
No. of schools	65	63	63	63	63
No. of lottery winners	556	530	530	530	530
(as % of observations)	41.5	41.6	41.6	41.6	41.6
No. of lottery winners					
who switch	318	307	307	307	307
(as % of observations)	23.7	24.1	24.1	24.1	24.1
Stanford 9					
Lottery winner	−0.0210	−0.0165	−0.0187	−0.0439	−0.0343
	(0.1027)	(0.0541)	(0.0541)	(0.0507)	(0.0501)
No. of observations	1,360	1,304	1,304	1,304	1,304
No. of schools	65	64	64	64	64
No. of lottery winners	564	543	543	543	543
(as % of observations)	41.5	41.6	41.6	41.6	41.6
No. of lottery winners					
who switch	321	314	314	314	314
(as % of observations)	23.6	24.1	24.1	24.1	24.1
2003					
CST					
Lottery winner	0.0202	0.0133	0.0187	0.0228	−0.0598
	(0.1074)	(0.0800)	(0.0793)	(0.0817)	(0.0811)
No. of observations	1,237	1,164	1,164	1,057	906
No. of schools	64	63	63	59	52
No. of lottery winners	518	493	493	463	410
(as % of observations)	41.9	42.4	42.4	43.8	45.3
No. of lottery winners					
who switch	291	281	281	278	265
(as % of observations)	23.5	24.1	24.1	26.3	29.2
CAT/6					
Lottery winner	−0.0339	−0.0652	−0.0550	−0.0667	−0.0236
	(0.1024)	(0.0691)	(0.0682)	(0.0701)	(0.0662)
No. of observations	1,263	1,196	1,196	1,087	1,087
No. of schools	65	63	63	58	58

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	530	509	509	479	479
(as % of observations)	42.0	42.6	42.6	44.1	44.1
No. of lottery winners					
who switch	302	295	295	292	292
(as % of observations)	23.9	24.7	24.7	26.9	26.9
	2004				
	CST				
Lottery winner	−0.1483	−0.1359	−0.1376	−0.1295	−0.0680
	(0.1070)	(0.0863)	(0.0860)	(0.0864)	(0.0871)
No. of observations	1,117	1,048	1,048	987	888
No. of schools	62	62	62	60	58
No. of lottery winners	464	438	438	422	384
(as % of observations)	41.5	41.8	41.8	42.8	43.2
No. of lottery winners					
who switch	267	257	257	255	240
(as % of observations)	23.9	24.5	24.5	25.8	27.0
	CAT/6				
Lottery winner	0.0558	0.0353	0.0419	−0.0364	0.0234
	(0.1151)	(0.0837)	(0.0833)	(0.0815)	(0.0834)
No. of observations	1,117	1,050	1,050	988	988
No. of schools	62	62	62	60	60
No. of lottery winners	464	439	439	423	423
(as % of observations)	41.5	41.8	41.8	42.8	42.8
No. of lottery winners					
who switch	267	259	259	257	257
(as % of observations)	23.9	24.7	24.7	26.0	26.0
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.23

Regression Results for Open-Enrollment Choice, Middle School Students, for Various Measures of Reading Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	−0.1715	−0.0010	0.0025	0.0037	0.0029
	(0.0963)	(0.0566)	(0.0563)	(0.0476)	(0.0503)
No. of observations	856	775	775	775	775
No. of schools	49	46	46	46	46
No. of lottery winners	465	422	422	422	422
(as % of observations)	54.3	54.5	54.5	54.5	54.5
No. of lottery winners					
who switch	365	331	331	331	331
(as % of observations)	42.6	42.7	42.7	42.7	42.7
Stanford 9					
Lottery winner	−0.1713	−0.0319	−0.0345	−0.0357	−0.0250
	(0.0906)	(0.0548)	(0.0539)	(0.0465)	(0.0466)
No. of observations	871	797	797	797	797
No. of schools	49	47	47	47	47
No. of lottery winners	472	431	431	431	431
(as % of observations)	54.2	54.1	54.1	54.1	54.1
No. of lottery winners					
who switch	370	337	337	337	337
(as % of observations)	42.5	42.3	42.3	42.3	42.3
SDRT					
Lottery winner	−0.1178	−0.0544	−0.0504	−0.0505	−0.0408
	(0.0943)	(0.0568)	(0.0566)	(0.0489)	(0.0503)
No. of observations	860	767	767	767	767
No. of schools	47	46	46	46	46
No. of lottery winners	464	423	423	423	423
(as % of observations)	54.0	55.1	55.1	55.1	55.1
No. of lottery winners					
who switch	363	332	332	332	332
(as % of observations)	42.2	43.3	43.3	43.3	43.3
2003					
CST					
Lottery winner	−0.1684	−0.0212	−0.0116	−0.0850	−0.0397
	(0.1005)	(0.0646)	(0.0632)	(0.0526)	(0.0549)
No. of observations	840	746	746	722	722
No. of schools	51	46	46	43	43

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	448	405	405	397	397
(as % of observations)	53.3	54.3	54.3	55.0	55.0
No. of lottery winners					
who switch	350	317	317	314	314
(as % of observations)	41.7	42.5	42.5	43.5	43.5
CAT/6					
Lottery winner	−0.1381	0.0273	0.0174	0.0180	0.0182
	(0.0961)	(0.0748)	(0.0733)	(0.0645)	(0.0682)
No. of observations	841	758	758	734	734
No. of schools	50	47	47	44	44
No. of lottery winners	447	409	409	401	401
(as % of observations)	53.2	54.0	54.0	54.6	54.6
No. of lottery winners					
who switch	351	321	321	318	318
(as % of observations)	41.7	42.3	42.3	43.3	43.3
SDRT					
Lottery winner	−0.1509	−0.1042	−0.1216	−0.1377	−0.1477
	(0.0988)	(0.0609)	(0.0523)*	(0.0519)**	(0.0531)*
No. of observations	806	707	707	699	699
No. of schools	47	44	44	43	43
No. of lottery winners	431	392	392	388	388
(as % of observations)	53.5	55.4	55.4	55.5	55.5
No. of lottery winners					
who switch	342	312	312	310	310
(as % of observations)	42.4	44.1	44.1	44.3	44.3
2004					
CST					
Lottery winner	−0.2138	−0.0521	−0.0361	−0.0251	−0.0172
	(0.1031)*	(0.0691)	(0.0701)	(0.0502)	(0.0595)
No. of observations	776	686	686	1369	676
No. of schools	52	46	46	124	45
No. of lottery winners	421	379	379	598	372
(as % of observations)	54.3	55.2	55.2	43.7	55.0
No. of lottery winners					
who switch	328	297	297	447	295
(as % of observations)	42.3	43.3	43.3	32.7	43.6
CAT/6					
Lottery winner	−0.1505	0.0012	0.0062	0.0051	−0.0299
	(0.0963)	(0.0738)	(0.0768)	(0.0682)	(0.0664)
No. of observations	772	689	689	679	679
No. of schools	51	47	47	46	46

Table E.23 (continued)

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	420	380	380	373	373
(as % of observations)	54.4	55.2	55.2	54.9	54.9
No. of lottery winners					
who switch	328	297	297	295	295
(as % of observations)	42.5	43.1	43.1	43.4	43.4
		SDRT			
Lottery winner	−0.2696	−0.1426	−0.1380	−0.1200	−0.1190
	(0.1095)*	(0.0719)*	(0.0718)	(0.0603)*	(0.0621)
No. of observations	708	621	621	619	619
No. of schools	49	45	45	44	44
No. of lottery winners	392	356	356	356	355
(as % of observations)	55.4	57.3	57.3	57.5	57.4
No. of lottery winners					
who switch	310	284	284	284	284
(as % of observations)	43.8	45.7	45.7	45.9	45.9
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

**Regression Results for Open-Enrollment Choice, Middle School Students,
for Various Measures of Math Achievement**

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	−0.2662	−0.1678	−0.1699	−0.0826	−0.1002
	(0.1008)**	(0.0647)**	(0.0648)**	(0.0570)	(0.0595)
No. of observations	871	792	792	792	792
No. of schools	49	46	46	46	46
No. of lottery winners	470	427	427	427	427
(as % of observations)	54.0	53.9	53.9	53.9	53.9
No. of lottery winners					
who switch	369	335	335	335	335
(as % of observations)	42.4	42.3	42.3	42.3	42.3
Stanford 9					
Lottery winner	−0.1518	−0.0694	−0.0696	−0.0394	−0.0356
	(0.1010)	(0.0564)	(0.0564)	(0.0490)	(0.0501)
No. of observations	874	798	798	798	798
No. of schools	49	47	47	47	47
No. of lottery winners	472	430	430	430	430
(as % of observations)	54.0	53.9	53.9	53.9	53.9
No. of lottery winners					
who switch	370	336	336	336	336
(as % of observations)	42.3	42.1	42.1	42.1	42.1
2003					
CST					
Lottery winner	−0.0387	0.0208	0.0242	0.0366	0.0699
	(0.1079)	(0.0825)	(0.0818)	(0.0708)	(0.0740)
No. of observations	838	749	749	725	642
No. of schools	51	46	46	43	35
No. of lottery winners	448	406	406	399	368
(as % of observations)	53.5	54.2	54.2	55.0	57.3
No. of lottery winners					
who switch	349	316	316	314	314
(as % of observations)	41.6	42.2	42.2	43.3	48.9
CAT/6					
Lottery winner	−0.1390	−0.0706	−0.0699	−0.0878	−0.0946
	(0.0915)	(0.0618)	(0.0619)	(0.0616)	(0.0630)
No. of observations	841	757	757	732	732
No. of schools	50	47	47	44	44

Table E.24 (continued)

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	447	408	408	400	400
(as % of observations)	53.2	53.9	53.9	54.6	54.6
No. of lottery winners					
who switch	351	319	319	316	316
(as % of observations)	41.7	42.1	42.1	43.2	43.2
2004					
CST					
Lottery winner	−0.2420	−0.1864	−0.1735	−0.1188	−0.0935
	(0.1082)*	(0.0994)	(0.0993)	(0.0849)	(0.0815)
No. of observations	772	686	686	676	639
No. of schools	52	46	46	45	45
No. of lottery winners	419	378	378	371	356
(as % of observations)	54.3	55.1	55.1	54.9	55.7
No. of lottery winners					
who switch	326	295	295	293	281
(as % of observations)	42.2	43.0	43.0	43.3	44.0
CAT/6					
Lottery winner	−0.2055	−0.0730	−0.0172	−0.0166	−0.0214
	(0.1064)	(0.0813)	(0.0702)	(0.0712)	(0.0729)
No. of observations	772	688	688	678	678
No. of schools	52	47	47	46	46
No. of lottery winners	420	379	379	372	372
(as % of observations)	54.4	55.1	55.1	54.9	54.9
No. of lottery winners					
who switch	327	295	295	293	293
(as % of observations)	42.4	42.9	42.9	43.2	43.2
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

52

Table E.25

Regression Results for VEEP, High School Students, for Various
Measures of Reading Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	−0.1524	−0.1915	−0.1921	−0.1720	−0.1969
	(0.1333)	(0.0763)*	(0.0759)*	(0.0725)*	(0.0717)**
No. of observations	330	290	290	290	290
No. of schools	30	28	28	28	28
No. of lottery winners	123	112	112	112	112
(as % of observations)	37.3	38.6	38.6	38.6	38.6
No. of lottery winners					
who switch	45	41	41	41	41
(as % of observations)	13.6	14.1	14.1	14.1	14.1
Stanford 9					
Lottery winner	−0.1275	−0.1839	−0.1955	−0.1825	−0.2087
	(0.1288)	(0.0734)*	(0.0731)**	(0.0752)*	(0.0722)**
No. of observations	341	309	309	309	309
No. of schools	30	28	28	28	28
No. of lottery winners	127	118	118	118	118
(as % of observations)	37.2	38.2	38.2	38.2	38.2
No. of lottery winners					
who switch	47	44	44	44	44
(as % of observations)	13.8	14.2	14.2	14.2	14.2
SDRT					
Lottery winner	0.0055	0.0050	−0.0008	0.0236	−0.0008
	(0.1447)	(0.0959)	(0.0959)	(0.1031)	(0.1045)
No. of observations	234	171	171	171	171
No. of schools	26	24	24	24	24
No. of lottery winners	97	76	76	76	76
(as % of observations)	41.5	44.4	44.4	44.4	44.4
No. of lottery winners					
who switch	39	29	29	29	29
(as % of observations)	16.7	17.0	17.0	17.0	17.0
2003					
CST					
Lottery winner	−0.0885	−0.1081	−0.1140	−0.0916	−0.0750
	(0.1430)	(0.1093)	(0.1097)	(0.1096)	(0.1104)
No. of observations	226	198	198	184	184
No. of schools	25	25	25	21	21

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	83	75	75	69	69
(as % of observations)	36.7	37.9	37.9	37.5	37.5
No. of lottery winners					
who switch	33	29	29	27	27
(as % of observations)	14.6	14.6	14.6	14.7	14.7
	CAT/6				
Lottery winner	–0.1028	–0.1262	–0.1242	–0.1412	–0.1418
	(0.1340)	(0.1061)	(0.1066)	(0.1168)	(0.1244)
No. of observations	220	202	202	187	187
No. of schools	26	26	26	22	22
No. of lottery winners	83	77	77	71	71
(as % of observations)	37.7	38.1	38.1	38.0	38.0
No. of lottery winners					
who switch	34	32	32	30	30
(as % of observations)	15.5	15.8	15.8	16.0	16.0
	SDRT				
Lottery winner	0.0414	0.0543	0.0460	–0.0143	0.1799
	(0.1693)	(0.1265)	(0.1260)	(0.1537)	(0.1714)
No. of observations	139	106	106	101	101
No. of schools	22	22	22	22	22
No. of lottery winners	61	49	49	46	46
(as % of observations)	43.9	46.2	46.2	45.5	45.5
No. of lottery winners					
who switch	29	20	20	19	19
(as % of observations)	20.9	18.9	18.9	18.8	18.8
	2004				
	CST				
Lottery winner	0.1668	0.0844	0.0810	0.1201	0.1184
	(0.1850)	(0.1393)	(0.1377)	(0.1376)	(0.1482)
No. of observations	156	139	139	132	132
No. of schools	25	22	22	21	21
No. of lottery winners	61	55	55	52	52
(as % of observations)	39.1	39.6	39.6	39.4	39.4
No. of lottery winners					
who switch	21	19	19	19	19
(as % of observations)	13.5	13.7	13.7	14.4	14.4
	CAT/6				
Lottery winner	0.1855	0.0043	–0.0180	0.1233	0.1894
	(0.2031)	(0.1641)	(0.1618)	(0.1815)	(0.1962)
No. of observations	154	141	141	133	133
No. of schools	25	24	24	22	22

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	60	55	55	52	52
(as % of observations)	39.0	39.0	39.0	39.1	39.1
No. of lottery winners					
who switch	21	20	20	20	20
(as % of observations)	13.6	14.2	14.2	15.0	15.0
		SDRT			
Lottery winner					
No. of observations					
No. of schools					
No. of lottery winners					
(as % of observations)					
No. of lottery winners					
who switch					
(as % of observations)					
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.26

Regression Results for VEEP, High School Students, for Various
Measures of Math Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	0.2098	0.0695	0.0644	0.0483	0.0154
	(0.1268)	(0.1093)	(0.1086)	(0.1119)	(0.1173)
No. of observations	321	272	272	272	272
No. of schools	27	25	25	25	25
No. of lottery winners	123	107	107	107	107
(as % of observations)	38.3	39.3	39.3	39.3	39.3
No. of lottery winners					
who switch	48	40	40	40	40
(as % of observations)	15.0	14.7	14.7	14.7	14.7
Stanford 9					
Lottery winner	0.1699	0.0011	−0.0144	−0.0484	−0.0733
	(0.1155)	(0.0829)	(0.0809)	(0.0837)	(0.0882)
No. of observations	344	306	306	306	306
No. of schools	30	28	28	28	28
No. of lottery winners	126	117	117	117	117
(as % of observations)	36.6	38.2	38.2	38.2	38.2
No. of lottery winners					
who switch	47	43	43	43	43
(as % of observations)	13.7	14.1	14.1	14.1	14.1
2003					
CST					
Lottery winner	0.0449	−0.0204	−0.0336	−0.0484	−0.0985
	(0.1401)	(0.1227)	(0.1214)	(0.1313)	(0.1669)
No. of observations	207	179	179	166	131
No. of schools	25	23	23	19	17
No. of lottery winners	80	69	69	65	51
(as % of observations)	38.6	38.5	38.5	39.2	38.9
No. of lottery winners					
who switch	35	30	30	28	22
(as % of observations)	16.9	16.8	16.8	16.9	16.8
CAT/6					
Lottery winner	0.1790	−0.0055	−0.0098	0.0247	0.0383
	(0.1603)	(0.1301)	(0.1309)	(0.1344)	(0.1475)
No. of observations	222	197	197	182	182
No. of schools	26	26	26	23	23

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	83	75	75	69	69
(as % of observations)	37.4	38.1	38.1	37.9	37.9
No. of lottery winners					
who switch	33	29	29	27	27
(as % of observations)	14.9	14.7	14.7	14.8	14.8
	2004				
	CST				
Lottery winner	0.0747	–0.0296	–0.0020	–0.0130	–0.1118
	(0.1640)	(0.1530)	(0.1502)	(0.1690)	(0.2148)
No. of observations	152	136	136	130	106
No. of schools	25	22	22	20	19
No. of lottery winners	57	51	51	51	40
(as % of observations)	37.5	37.5	37.5	39.2	37.7
No. of lottery winners					
who switch	20	17	17	17	14
(as % of observations)	13.2	12.5	12.5	13.1	13.2
	CAT/6				
Lottery winner	0.3450	0.1008	0.0745	0.0425	0.1951
	(0.2231)	(0.1669)	(0.1649)	(0.1798)	(0.2034)
No. of observations	153	140	140	132	132
No. of schools	25	24	24	22	22
No. of lottery winners	59	55	55	52	52
(as % of observations)	38.6	39.3	39.3	39.4	39.4
No. of lottery winners					
who switch	21	20	20	20	20
(as % of observations)	13.7	14.3	14.3	15.2	15.2
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.27

Regression Results for Magnet, High School Students, for Various Measures of Reading Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	0.1793	0.0893	0.0795	0.0704	0.0687
	(0.0947)	(0.0476)	(0.0469)	(0.0471)	(0.0467)
No. of observations	1,350	1,235	1,235	1,235	1,235
No. of schools	40	33	33	33	33
No. of lottery winners	368	345	345	345	345
(as % of observations)	27.3	27.9	27.9	27.9	27.9
No. of lottery winners					
who switch	198	181	181	181	181
(as % of observations)	14.7	14.7	14.7	14.7	14.7
Stanford 9					
Lottery winner	0.1133	0.0683	0.0640	0.0649	0.0272
	(0.0915)	(0.0471)	(0.0469)	(0.0470)	(0.0457)
No. of observations	1,382	1,283	1,283	1,283	1,283
No. of schools	40	34	34	34	34
No. of lottery winners	374	355	355	355	355
(as % of observations)	27.1	27.7	27.7	27.7	27.7
No. of lottery winners					
who switch	201	187	187	187	187
(as % of observations)	14.5	14.6	14.6	14.6	14.6
SDRT					
Lottery winner	0.1095	0.0327	0.0328	0.0418	0.0134
	(0.1019)	(0.0543)	(0.0542)	(0.0545)	(0.0537)
No. of observations	1,198	1,049	1,049	1,049	1,049
No. of schools	33	30	30	30	30
No. of lottery winners	341	281	281	281	281
(as % of observations)	28.5	26.8	26.8	26.8	26.8
No. of lottery winners					
who switch	188	154	154	154	154
(as % of observations)	15.7	14.7	14.7	14.7	14.7
2003					
CST					
Lottery winner	0.2247	0.0978	0.0905	0.0945	0.1186
	(0.1039)*	(0.0651)	(0.0649)	(0.0781)	(0.0745)
No. of observations	1,186	1,071	1,071	956	956
No. of schools	34	32	32	29	29

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	339	312	312	268	268
(as % of observations)	28.6	29.1	29.1	28.0	28.0
No. of lottery winners					
who switch	177	162	162	134	134
(as % of observations)	14.9	15.1	15.1	14.0	14.0
	CAT/6				
Lottery winner	0.1870	0.0854	0.0845	0.0468	0.0419
	(0.1033)	(0.0737)	(0.0737)	(0.0897)	(0.0895)
No. of observations	1,157	1,069	1,069	952	952
No. of schools	34	33	33	30	30
No. of lottery winners	328	309	309	264	264
(as % of observations)	28.3	28.9	28.9	27.7	27.7
No. of lottery winners					
who switch	172	162	162	132	132
(as % of observations)	14.9	15.2	15.2	13.9	13.9
	SDRT				
Lottery winner	0.0386	0.0620	0.0611	0.1109	0.0548
	(0.1357)	(0.0812)	(0.0808)	(0.0901)	(0.0875)
No. of observations	676	581	581	545	545
No. of schools	29	28	28	26	26
No. of lottery winners	218	177	177	159	159
(as % of observations)	32.2	30.5	30.5	29.2	29.2
No. of lottery winners					
who switch	124	99	99	86	86
(as % of observations)	18.3	17.0	17.0	15.8	15.8
	2004				
	CST				
Lottery winner	0.0895	0.0261	0.0059	−0.0055	0.0066
	(0.1284)	(0.0973)	(0.0952)	(0.1021)	(0.1038)
No. of observations	614	556	556	525	525
No. of schools	30	30	30	27	27
No. of lottery winners	218	200	200	192	192
(as % of observations)	35.5	36.0	36.0	36.6	36.6
No. of lottery winners					
who switch	124	114	114	110	110
(as % of observations)	20.2	20.5	20.5	21.0	21.0
	CAT/6				
Lottery winner	0.1373	0.0269	−0.0019	−0.0629	−0.0547
	(0.1476)	(0.1213)	(0.1209)	(0.1290)	(0.1316)
No. of observations	608	558	558	526	526
No. of schools	30	30	30	27	27

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	212	198	198	189	189
(as % of observations)	34.9	35.5	35.5	35.9	35.9
No. of lottery winners					
who switch	121	114	114	109	109
(as % of observations)	19.9	20.4	20.4	20.7	20.7
		SDRT			
Lottery winner	0.6403				
	(0.5414)				
No. of observations	25				
No. of schools	12				
No. of lottery winners	6				
(as % of observations)	24.0				
No. of lottery winners					
who switch	3				
(as % of observations)	12.0				

Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.28

Regression Results for Magnet, High School Students, for Various Measures of Math Achievement

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	0.0252	–0.0255	–0.0225	–0.0091	0.0131
	(0.0844)	(0.0689)	(0.0688)	(0.0699)	(0.0703)
No. of observations	1,295	1,170	1,170	1,170	1,170
No. of schools	33	30	30	30	30
No. of lottery winners	364	339	339	339	339
(as % of observations)	28.1	29.0	29.0	29.0	29.0
No. of lottery winners					
who switch	196	181	181	181	181
(as % of observations)	15.1	15.5	15.5	15.5	15.5
Stanford 9					
Lottery winner	0.0228	–0.0277	–0.0267	–0.0185	–0.0230
	(0.0812)	(0.0513)	(0.0509)	(0.0513)	(0.0504)
No. of observations	1,377	1,278	1,278	1,278	1,278
No. of schools	40	33	33	33	33
No. of lottery winners	376	358	358	358	358
(as % of observations)	27.3	28.0	28.0	28.0	28.0
No. of lottery winners					
who switch	200	188	188	188	188
(as % of observations)	14.5	14.7	14.7	14.7	14.7
2003					
CST					
Lottery winner	0.1688	0.1824	0.1835	0.2284	0.2657
	(0.0920)	(0.0767)*	(0.0747)*	(0.0920)*	(0.0924)**
No. of observations	1,083	976	976	877	752
No. of schools	31	28	28	28	22
No. of lottery winners	308	284	284	243	205
(as % of observations)	28.4	29.1	29.1	27.7	27.3
No. of lottery winners					
who switch	162	151	151	124	106
(as % of observations)	15.0	15.5	15.5	14.1	14.1
CAT/6					
Lottery winner	0.0739	0.0155	0.0185	0.0471	0.0545
	(0.0953)	(0.0741)	(0.0731)	(0.0867)	(0.0861)
No. of observations	1,150	1,060	1,060	942	942
No. of schools	34	32	32	29	29

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	328	308	308	262	262
(as % of observations)	28.5	29.1	29.1	27.8	27.8
No. of lottery winners					
who switch	175	166	166	135	135
(as % of observations)	15.2	15.7	156.7	14.3	14.3
2004					
CST					
Lottery winner	0.2374	0.2308	0.2261	0.1748	0.2725
	(0.1244)	(0.1082)*	(0.1059)*	(0.1128)	(0.1241)*
No. of observations	595	541	541	512	407
No. of schools	30	28	28	25	23
No. of lottery winners	206	192	192	184	152
(as % of observations)	34.6	35.5	35.5	35.9	37.3
No. of lottery winners					
who switch	117	110	110	106	93
(as % of observations)	19.7	20.3	20.3	20.7	22.9
CAT/6					
Lottery winner	0.1113	0.0849	0.0949	0.1264	0.1118
	(0.1295)	(0.0975)	(0.0966)	(0.1026)	(0.1061)
No. of observations	604	557	557	525	525
No. of schools	30	30	30	27	27
No. of lottery winners	212	198	198	189	189
(as % of observations)	35.1	35.5	35.5	36.0	36.0
No. of lottery winners					
who switch	120	113	113	108	108
(as % of observations)	19.9	20.3	20.3	20.6	20.6
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

Table E.29

**Regression Results for Open-Enrollment Choice, High School Students,
for Various Measures of Reading Achievement**

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	0.1183	0.0032	−0.0050	−0.0148	−0.0191
	(0.0880)	(0.0471)	(0.0467)	(0.0473)	(0.0506)
No. of observations	750	675	675	675	675
No. of schools	30	28	28	28	28
No. of lottery winners	279	239	239	239	239
(as % of observations)	37.2	35.4	35.4	35.4	35.4
No. of lottery winners					
who switch	180	153	153	153	153
(as % of observations)	24.0	22.7	22.7	22.7	22.7
Stanford 9					
Lottery winner	0.1631	0.0410	0.0367	0.0210	0.0150
	(0.0866)	(0.0519)	(0.0521)	(0.0524)	(0.0559)
No. of observations	756	685	685	685	685
No. of schools	30	28	28	28	28
No. of lottery winners	281	242	242	242	242
(as % of observations)	37.2	35.3	35.3	35.3	35.3
No. of lottery winners					
who switch	182	156	156	156	156
(as % of observations)	24.1	22.8	22.8	22.8	22.8
SDRT					
Lottery winner	0.1466	0.0851	0.0977	0.0792	0.0602
	(0.0919)	(0.0595)	(0.0594)	(0.0603)	(0.0643)
No. of observations	666	557	557	557	557
No. of schools	27	27	27	27	27
No. of lottery winners	250	197	197	197	197
(as % of observations)	37.5	35.4	35.4	35.4	35.4
No. of lottery winners					
who switch	165	129	129	129	129
(as % of observations)	24.8	23.2	23.2	23.2	23.2
2003					
CST					
Lottery winner	0.1519	0.0129	−0.0033	−0.0253	0.0605
	(0.0989)	(0.0659)	(0.0656)	(0.0665)	(0.0700)
No. of observations	662	590	590	542	542
No. of schools	30	28	28	24	24

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	233	199	199	177	177
(as % of observations)	35.2	33.7	33.7	32.7	32.7
No. of lottery winners					
who switch	149	127	127	113	113
(as % of observations)	22.5	21.5	21.5	20.8	20.8
	CAT/6				
Lottery winner	0.1003	−0.1075	−0.1155	−0.0952	−0.0103
	(0.0983)	(0.0784)	(0.0792)	(0.0813)	(0.0859)
No. of observations	650	583	583	533	533
No. of schools	30	28	28	24	24
No. of lottery winners	226	192	192	170	170
(as % of observations)	34.8	32.9	32.9	31.9	31.9
No. of lottery winners					
who switch	146	124	124	110	110
(as % of observations)	22.5	21.3	21.3	20.6	20.6
	SDRT				
Lottery winner	0.0887	0.1459	0.1628	0.1169	0.1194
	(0.1170)	(0.0631)*	(0.0621)**	(0.0614)	(0.0633)
No. of observations	517	438	438	416	416
No. of schools	24	23	23	22	22
No. of lottery winners	177	143	143	133	133
(as % of observations)	34.2	32.6	32.6	32.0	32.0
No. of lottery winners					
who switch	125	99	99	90	90
(as % of observations)	24.2	22.6	22.6	21.6	21.6
	2004				
	CST				
Lottery winner	−0.0350	0.0370	0.0101	−0.0305	−0.0099
	(0.1295)	(0.0872)	(0.0875)	(−0.0796)	(0.0837)
No. of observations	517	458	458	438	438
No. of schools	26	26	26	23	23
No. of lottery winners	178	152	152	145	145
(as % of observations)	34.4	33.2	33.2	33.1	33.1
No. of lottery winners					
who switch	118	99	99	99	99
(as % of observations)	22.8	21.6	21.6	22.6	22.6
	CAT/6				
Lottery winner	−0.0772	−0.1111	−0.1256	−0.1450	−0.0720
	(0.1227)	(0.0884)	(0.0895)	(0.0918)	(0.0981)
No. of observations	512	457	457	437	437
No. of schools	25	25	25	22	22

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	175	149	149	142	142
(as % of observations)	34.2	32.6	32.6	32.5	32.5
No. of lottery winners					
who switch	114	95	95	95	95
(as % of observations)	22.3	20.8	20.8	21.7	21.7
		SDRT			
Lottery winner					
No. of observations					
No. of schools					
No. of lottery winners					
(as % of observations)					
No. of lottery winners					
who switch					
(as % of observations)					
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.

**Regression Results for Open-Enrollment Choice, High School Students,
for Various Measures of Math Achievement**

	Specification				
	(1)	(2)	(3)	(4)	(5)
2002					
CST					
Lottery winner	0.2458	0.1021	0.0975	0.0854	0.0705
	(0.0915)**	(0.0752)	(0.0750)	(0.0766)	(0.0801)
No. of observations	724	642	642	642	642
No. of schools	27	27	27	27	27
No. of lottery winners	273	228	228	228	228
(as % of observations)	37.7	35.5	35.5	35.5	35.5
No. of lottery winners					
who switch	185	152	152	152	152
(as % of observations)	25.6	23.7	23.7	23.7	23.7
Stanford 9					
Lottery winner	0.2397	−0.0014	−0.0042	−0.0081	0.0039
	(0.0955)*	(0.0576)	(0.0577)	(0.0582)	(0.0593)
No. of observations	760	689	689	689	689
No. of schools	29	28	28	28	28
No. of lottery winners	284	245	245	245	245
(as % of observations)	37.4	35.6	35.6	35.6	35.6
No. of lottery winners					
who switch	185	158	158	158	158
(as % of observations)	24.3	22.9	22.9	22.9	22.9
2003					
CST					
Lottery winner	0.2656	0.0033	−0.0311	−0.0254	0.0606
	(0.1049)*	(0.0843)	(0.0804)	(0.0821)	(0.0884)
No. of observations	630	560	560	515	423
No. of schools	28	27	27	24	21
No. of lottery winners	218	184	184	163	138
(as % of observations)	34.6	32.9	32.9	31.7	32.6
No. of lottery winners					
who switch	144	118	118	105	91
(as % of observations)	22.9	21.1	21.1	20.4	21.5
CAT/6					
Lottery winner	0.2176	−0.0400	−0.0240	−0.0317	0.0112
	(0.0973)*	(0.0702)	(0.0700)	(0.0726)	(0.0757)
No. of observations	646	578	578	528	528
No. of schools	30	28	28	24	24

	Specification				
	(1)	(2)	(3)	(4)	(5)
No. of lottery winners	227	194	194	172	172
(as % of observations)	35.1	33.6	33.6	32.6	32.6
No. of lottery winners					
who switch	146	123	123	109	109
(as % of observations)	22.6	21.3	21.3	20.6	20.6
	2004				
	CST				
Lottery winner	0.0854	−0.0110	−0.0309	−0.1010	−0.1678
	(0.1256)	(0.1067)	(0.0903)	(0.0915)	(0.1021)
No. of observations	518	454	454	434	331
No. of schools	26	26	26	23	23
No. of lottery winners	177	147	147	140	108
(as % of observations)	34.2	32.4	32.4	32.3	32.6
No. of lottery winners					
who switch	116	93	93	93	76
(as % of observations)	22.4	20.5	20.5	21.4	23.0
	CAT/6				
Lottery winner	0.0856	−0.0696	−0.0772	−0.0951	−0.0663
	(0.1392)	(0.0972)	(0.0936)	(0.0963)	(0.0936)
No. of observations	513	456	456	436	436
No. of schools	24	24	24	21	21
No. of lottery winners	174	148	148	141	141
(as % of observations)	33.9	32.5	32.5	32.3	32.3
No. of lottery winners					
who switch	113	94	94	94	94
(as % of observations)	22.0	20.6	20.6	21.6	21.6
Other Regressors					
Grade dummies	Yes	Yes	Yes	Yes	Yes
2001 test score		Yes	Yes	Yes	Yes
2001 test score squared			Yes	Yes	Yes
Personal controls				Yes	Yes
Classroom controls					Yes

NOTES: The rows labeled "Lottery winner" show the coefficients on the indicator variable for lottery winners, and the next row shows standard errors. All models include a random effect for the school at which the student enrolled in the given year.

*Significant at the 5 percent level.

**Significant at the 1 percent level.