

Southeast U.S. Mid-sized Urban Research Site — Tables

Table E-1
 English Reading Mean NCE Scores on the ITBS/TAP for ESL Content Graduates
 in Grades 8-11: Longitudinal Analyses

Student Type		Grade 8 NCE Scores Total Reading	Grade 11 NCE Scores Total Reading
Former LEP Students	Mean	35.99	37.33
	N	141	141
	Std. Deviation	14.28	15.86
LM-but-never LEP Students	Mean	54.68	52.89
	N	342	342
	Std. Deviation	17.76	17.01
Native-English-Speaking Students	Mean	65.90	63.44
	N	1360	1360
	Std. Deviation	20.45	20.19
Total	Mean	61.53	59.49
	N	1843	1843
	Std. Deviation	21.34	20.75

Table E-2
 Mathematics Mean NCE Scores on the ITBS/TAP for ESL Content Graduates
 in Grades 8-11: Longitudinal Analyses

Student Type		Grade 8 NCE Scores Total Math	Grade 11 NCE Scores Total Math
Former LEP Students	Mean	48.69	43.94
	N	140	140
	Std. Deviation	19.68	20.97
LM-but never LEP Students	Mean	60.55	54.99
	N	332	332
	Std. Deviation	18.65	18.87
Native-English-Speaking Students	Mean	67.59	63.06
	N	1352	1352
	Std. Deviation	19.60	20.94
Total	Mean	64.86	60.12
	N	1824	1824
	Std. Deviation	20.16	21.32

Table E-3
 Social Studies Mean NCE Scores on the ITBS/TAP for ESL Content Graduates
 in Grades 8-11: Longitudinal Analyses

Student Type		Grade 8 NCE Scores Social Studies	Grade 11 NCE Scores Social Studies
Former LEP Students	Mean	45.89	44.35
	N	136	136
	Std. Deviation	15.87	14.37
LM-but-never LEP Students	Mean	59.48	55.31
	N	335	335
	Std. Deviation	18.01	16.97
Native-English- Students	Mean	68.29	65.33
	N	1339	1339
	Std. Deviation	20.05	19.07
Total	Mean	64.97	61.9
	N	1810	1810
	Std. Deviation	20.42	19.43

Table E-4
 Science Mean NCE Scores on the ITBS/TAP for ESL Content Graduates
 in Grades 8-11: Longitudinal Analyses

Student Type		Grade 8 NCE Scores Science	Grade 11 NCE Scores Science
Former LEP Students	Mean	40.92	48.09
	N	136	136
	Std. Deviation	17.4	16.23
LM-but-never-LEP Students	Mean	56.75	58.79
	N	331	331
	Std. Deviation	16.55	17.29
Native-English- Students	Mean	67.75	67.88
	N	1335	1335
	Std. Deviation	18.1	19.89
Total	Mean	63.7	64.71
	N	1802	1802
	Std. Deviation	19.39	20.05

Table E-5
 Writing Mean NCE Scores on the ITBS/TAP for ESL Content Graduates
 in Grades 8-11: Longitudinal Analyses

Student Type		Grade 8 NCE Scores Writing	Grade 11 NCE Scores Writing
Former LEP Students	Mean	38.36	46.84
	N	140	140
	Std. Deviation	14.49	17.39
LM-but-never-LEP Students	Mean	57.24	56.31
	N	340	340
	Std. Deviation	16.88	18.06
Native-English- Speaking Students	Mean	67.44	65.87
	N	1355	1355
	Std. Deviation	19.26	18.93
Total	Mean	63.33	62.65
	N	1835	1835
	Std. Deviation	20.24	19.55

Table E-6
ITBS/TAP Grade 11 Mean NCE Scores for ESL Content Graduates by Subject and
by Length of Residence (LOR) in the U.S.: Quasi-longitudinal analyses

Number of Years of Schooling in English		Grade 11	Grade 11	Grade 11	Grade 11	Grade 11
		NCE Scores Total Reading	NCE Scores Total Math	NCE Scores Social Studies	NCE Scores Science	NCE Scores Writing
3 years	Mean	23.45	32.33	33.92	34.82	33.32
	N	120	119	118	119	119
	Std. Deviation	15.17	18.94	13.67	16.27	15.58
4 years	Mean	28.65	36.95	36.05	38.02	37.67
	N	96	96	95	94	97
	Std. Deviation	16.99	20.5	15.08	17.25	19.59
5 years	Mean	35.54	44.46	42.08	46.47	45.65
	N	65	65	65	64	63
	Std. Deviation	18.6	23.29	15.65	20.08	20.56
6 years	Mean	34.49	40.72	39.28	44.35	43.46
	N	47	47	46	46	46
	Std. Deviation	15.03	20.75	15.98	16.51	20.03
7 years	Mean	29	33.08	39.42	39.06	39.11
	N	38	37	36	36	36
	Std. Deviation	15.44	20.63	14.68	19.51	17.44
8 years	Mean	31.7	36.11	41.96	41.8	42.78
	N	27	27	25	25	27
	Std. Deviation	16.33	20.43	11.93	14.06	16.87
9 years	Mean	31.11	35.5	37.89	38.78	40.33
	N	18	18	18	18	18
	Std. Deviation	14.04	16.72	13.59	15.16	13.13

Table E-7
ITBS/TAP Grade 11 Mean NCE Scores for ESL Content Graduates by Subject and
by Years of Schooling in the U.S., Grouped by 1-3, 4-6, and 7-9 years of English Schooling:
Quasi-longitudinal analyses

Number of Years of Schooling in English		Grade 11	Grade 11	Grade 11	Grade 11	Grade 11
		NCE Scores Total Reading	NCE Scores Total Math	NCE Scores Social Studies	NCE Scores Science	NCE Scores Writing
1-3 years	Mean	25.64	37.64	35.67	37.65	35.68
	N	214	214	212	213	213
	Std. Deviation	14.85	20.02	12.88	16.36	15.57
4-6 years	Mean	32.12	40.15	38.67	42.1	41.4
	N	208	208	206	204	206
	Std. Deviation	17.33	21.61	15.61	18.35	20.22
7-9 years	Mean	30.34	34.61	39.87	39.86	40.6
	N	83	82	79	79	81
	Std. Deviation	15.32	19.59	13.53	16.84	16.27
Total	Mean	29.08	38.18	37.58	39.83	38.84
	N	505	504	497	496	500
	Std. Deviation	16.24	20.68	14.25	17.37	17.91

Table E-8
ITBS/TAP Grade 11 Mean NCE Scores for ESL Content Graduates by Subject and
by Lost Schooling in Home Country: Quasi-longitudinal analyses

Number of Years of Lost Schooling in Home Country	Grade 11 NCE Scores					
		Total Reading	Total Math	Social Studies	Science	Writing
0 years	Mean	33.69	42.64	41.44	44.26	43.88
	N	182	180	176	175	179
	Std. Deviation	14.68	20.72	14.04	17.9	16.87
1 year	Mean	28.6	38.43	36.8	39.87	37.5
	N	118	118	113	112	117
	Std. Deviation	12.5	17.71	10.31	14.04	16.16
2 years	Mean	25.92	32.78	36.51	38.53	34.66
	N	74	74	73	73	73
	Std. Deviation	14.32	19.1	11.71	14.12	15.34
3 years	Mean	20.12	24.54	30.96	33.48	29
	N	26	26	25	25	26
	Std. Deviation	9.83	14.1	9.85	15.78	10.94
4 years	Mean	19.13	23.87	31	26.59	25.57
	N	23	23	22	22	23
	Std. Deviation	14.77	20.14	13.98	17.72	17.18
Total	Mean	29.28	37.59	38.08	40.41	38.55
	N	423	421	409	407	418
	Std. Deviation	14.48	20.08	12.86	16.67	16.96

Table E-9
ITBS/TAP Grade 11 English Reading Mean NCE Scores of Language Minority Students
and Former Limited-English-Proficient Students by Socioeconomic Status:
Quasi-longitudinal analyses

Student Type	Socioeconomic Status as measured by Paid, Reduced, or Free Lunch	Mean	Number of Students	Standard Deviation
Former LEP Students	Pay for lunch	35.14	182	16.82
	Reduced lunch	30.26	70	15.01
	Free lunch	27.47	268	12.96
	Total	30.53	520	15.08
LM-but-never-LEP Students	Pay for lunch	51.59	428	17.84
	Reduced lunch	42.81	47	15.59
	Free lunch	38.87	236	17.17
	Total	46.79	711	18.45
Total	Pay for lunch	46.68	610	19.08
	Reduced lunch	35.3	117	16.39
	Free lunch	32.81	504	16.1
	Total	39.92	1231	18.9

Table E-10

ITBS/TAP Grade 11 Mathematics Mean NCE Scores of Language Minority Students and Former Limited-English-Proficient Students by Socioeconomic Status:

Quasi-longitudinal analyses

Student Type	Socioeconomic Status as measured by Paid, Reduced, or Free Lunch	Mean	Number of Students	Standard Deviation
Former LEP Students	Pay for lunch	43.47	180	22.2
	Reduced lunch	36.99	70	18.62
	Free lunch	36.84	268	18.77
	Total	39.16	518	20.22
LM-but-never-LEP Students	Pay for lunch	54.59	420	19.71
	Reduced lunch	50.34	47	19.61
	Free lunch	45.12	236	19.01
	Total	51.13	703	19.94
Total	Pay for lunch	51.25	600	21.1
	Reduced lunch	42.35	117	20.05
	Free lunch	40.72	504	19.31
	Total	46.05	1221	20.9

Table E-11

ITBS/TAP Grade 11 Social Studies Mean NCE Scores of Language Minority Students and Former Limited-English-Proficient Students by Socioeconomic Status:

Quasi-longitudinal analyses

Student Type	Socioeconomic Status as measured by Paid, Reduced, or Free Lunch	Mean	Number of Students	Standard Deviation
Former LEP Students	Pay for lunch	41.86	173	15.57
	Reduced lunch	38.46	70	13.51
	Free lunch	37.03	260	11.97
	Total	38.89	503	13.67
LM-but-never-LEP Students	Pay for lunch	54.49	418	17.17
	Reduced lunch	47.3	47	14.31
	Free lunch	44.05	226	16.25
	Total	50.59	691	17.38
Total	Pay for lunch	50.79	591	17.67
	Reduced lunch	42.01	117	14.45
	Free lunch	40.29	486	14.54
	Total	45.66	1194	16.93

Table E-12

ITBS/TAP Grade 11 Science Mean NCE Scores of Language Minority Students and Former Limited-English-Proficient Students by Socioeconomic Status:

Quasi-longitudinal analyses

Student Type	Socioeconomic Status as measured by Paid, Reduced, or Free Lunch	Mean	Number of Students	Standard Deviation
Former LEP Students	Pay for lunch	44.95	172	19
	Reduced lunch	39.77	70	14.81
	Free lunch	38.93	258	15.52
	Total	41.12	500	16.91
LM-but-never-LEP Students	Pay for lunch	57.35	419	18.58
	Reduced lunch	50.28	46	17.85
	Free lunch	47.7	226	19.05
	Total	53.72	691	19.21
Total	Pay for lunch	53.74	591	19.52
	Reduced lunch	43.94	116	16.82
	Free lunch	43.03	484	17.79
	Total	48.43	1191	19.3

Table E-13

ITBS/TAP Grade 11 Writing Mean NCE Scores of Language Minority Students
and Former Limited-English-Proficient Students by Socioeconomic Status:

Quasi-longitudinal analyses

Student Type	Socioeconomic Status as measured by Paid, Reduced, or Free Lunch	Mean	Number of Students	Standard Deviation
Former LEP Students	Pay for lunch	44.38	178	17.61
	Reduced lunch	39.24	70	18.48
	Free lunch	36.54	265	15.77
	Total	39.63	513	17.15
LM-but-never-LEP Students	Pay for lunch	55.81	424	18.67
	Reduced lunch	49.96	47	18.65
	Free lunch	45.83	230	19.26
	Total	52.14	701	19.4
Total	Pay for lunch	52.43	602	19.07
	Reduced lunch	43.55	117	19.21
	Free lunch	40.85	495	18.06
	Total	46.86	1214	19.48

Table E-14

ITBS/TAP Grade 11 Mean NCE Scores of ESL Content Graduates by Gender:
Quasi-longitudinal analyses

Gender		Grade 11 NCE Scores Total Reading	Grade 11 NCE Scores Total Math	Grade 11 NCE Scores Social Studies	Grade 11 NCE Scores Science	Grade 11 NCE Scores Writing
Females	Mean	30.5	37.15	37.48	37.89	40.22
	N	230	228	224	224	227
	Std. Deviation	15.52	20.49	11.69	15.21	17.98
Males	Mean	30.55	40.74	40.02	43.74	39.16
	N	290	290	279	276	286
	Std. Deviation	14.75	19.9	15	17.77	16.49
Total	Mean	30.53	39.16	38.89	41.12	39.63
	N	520	518	503	500	513
	Std. Deviation	15.08	20.22	13.67	16.91	17.15

Table E-15

ITBS/TAP Grade 11 Mean NCE Scores of Non-LEP Language Minority Students by Gender:
Quasi-longitudinal analyses

Gender		Grade 11 NCE Scores Total Reading	Grade 11 NCE Scores Total Math	Grade 11 NCE Scores Social Studies	Grade 11 NCE Scores Science	Grade 11 NCE Scores Writing
Females	Mean	48.08	50.46	48.68	51.33	55.07
	N	351	346	345	344	349
	Std. Deviation	19.32	20.43	16.61	19.13	19.9
Males	Mean	45.53	51.77	52.49	56.09	49.24
	N	360	357	346	347	352
	Std. Deviation	17.5	19.46	17.93	19.02	18.47
Total	Mean	46.79	51.13	50.59	53.72	52.14
	N	711	703	691	691	701
	Std. Deviation	18.45	19.94	17.38	19.21	19.4

Table E-16

Hierarchical Linear Regression Analyses: Effects of Years of Prior Schooling (YRSCH_IN), Socioeconomic Status (SES1, SES2), Gender (GENDER_D), Years of Lost Schooling (YD_IN), Years of Schooling in English (LOR_YR_T), Age on Arrival (AOA_YR), and Grade Completed in Prior Schooling (GCOMP_N) on Change in Former LEP Student Achievement between Grades 8-11

Model Summary

Model	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics R Square Change	F Change	df1	df2	Sig. F Change
1	.624	.390	.384	.390	74.010	1	116	.000
2	.693	.481	.438	.091	2.373	8	108	.021

Model 1: Predictors: (Constant), NRCOM8 (Students' ITBS 8th grade NCE scores in Total Reading)

Model 2: Predictors: (Constant), NRCOM8, YRSCH_IN, SES2, GENDER_D, YD_IN, SES1, LOR_YR_T, AOA_YR, GCOMP_N

Coefficients

Model		Unstandardized Coefficients B	Std. Error	Standardized Coefficients Beta	t	Sig.	95% Confidence Interval for B Lower Bound Upper Bound	
1	(Constant)	10.739	3.082		3.485	.001	4.635	16.842
	NRCOM8	.704	.082	.624	8.603	.000	.542	.866
2	(Constant)	-1.991	29.657		-.067	.947	-60.776	56.794
	NRCOM8	.680	.082	.603	8.318	.000	.518	.842
	SES1	-2.216	2.485	-.068	-.892	.375	-7.141	2.710
	SES2	-8.998	3.837	-.174	-2.345	.021	-16.604	-1.392
	YRSCH_IN	-.987	2.430	-.118	-.406	.685	-5.803	3.829
	LOR_YR_T	.309	1.723	.035	.179	.858	-3.105	3.724
	AOA_YR	.701	1.728	.080	.406	.686	-2.724	4.126
	GENDER_D	.647	2.298	.020	.281	.779	-3.909	5.202
YD_IN	-1.393	1.333	-.083	-1.046	.298	-4.035	1.248	
GCOMP_N	2.556	2.267	.304	1.127	.262	-1.938	7.049	

a Dependent Variable: NCREAD11 (Students' ITBS/TAP 11th grade NCE scores in Total Reading)

Table E-17

Hierarchical Linear Regression Analyses: Effects of Grade Completed in Prior Schooling (GCOMP_N), Socioeconomic Status (SES2, SES1), Gender (GENDER_D), Years of Lost Schooling (YD_IN), Years of Schooling in English (LOR_YR_T), Age on Arrival (AOA_YR), and Years of Prior Schooling (YRSCH_IN) on Change in Former LEP Student Achievement between Grades 8-11

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics R Square Change	F Change	df1	df2	Sig. F Change
1	.392	.154	.138	14.41	.154	9.897	8	435	.000

Model 1: Predictors: (Constant), GCOMP_N, SES2, GENDER_D, YD_IN, SES1, LOR_YR_T, AOA_YR, YRSCH_IN

Coefficients

Model		Unstandardized Coefficients		Standardized Coefficients Beta	t	Sig.	95% Confidence Interval for B	
		B	Std. Error				Lower Bound	Upper Bound
1	(Constant)	59.055	13.190		4.477	.000	33.131	84.980
	SES1	-5.555	1.544	-.178	-3.598	.000	-8.590	-2.521
	SES2	-5.068	2.257	-.112	-2.246	.025	-9.504	-.632
	YRSCH_IN	-1.072	1.164	-.172	-.921	.357	-3.359	1.215
	LOR_YR_T	-.922	.828	-.136	-1.114	.266	-2.549	.705
	AOA_YR	-1.585	.842	-.261	-1.883	.060	-3.239	.069
	GENDER_D	2.920	1.397	.093	2.091	.037	.175	5.665
	YD_IN	-2.873	.705	-.242	-4.076	.000	-4.259	-1.488
	GCOMP_N	.973	1.036	.156	.939	.348	-1.063	3.008

a Dependent Variable: NCREAD11 (Students' ITBS/TAP 11th grade NCE scores in Total Reading)

Table E-18

Backward Selection Regression Analyses: Summary of Independent Variables Found Significant

Coefficients

Model		Unstandardized Coefficients		Standardized Coefficients		1	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta				Lower Bound	Upper Bound
1	(Constant)	-1.991	29.657			-.067	.947	-60.776	56.794
	NCRCOME	.680	.082	.603	8.318	.000		.518	.842
	SES1	-2.216	2.485	-.068	-.892	.375		-7.141	2.710
	SES2	-8.998	3.837	-.174	-2.345	.021		-16.604	-1.392
	YRSCH_IN	-.987	2.430	-.118	-.406	.685		-5.803	3.829
	LOR_YR_T	.309	1.723	.035	.179	.858		-3.105	3.724
	AOA_YR	.701	1.728	.080	.406	.686		-2.724	4.126
	GENDER_D	.647	2.298	.020	.281	.779		-3.909	5.202
	YD_IN	-1.393	1.333	-.083	-1.046	.298		-4.035	1.248
	GCOMP_N	2.556	2.267	.304	1.127	.262		-1.938	7.049
Models 2-5 not shown									
6	(Constant)	4.433	4.154			1.067	.288	-3.798	12.663
	NCRCOME	.697	.077	.618	9.058	.000		.545	.850
	SES2	-7.693	3.539	-.149	-2.174	.032		-14.704	-.682
	YD_IN	-1.034	1.174	-.062	-.880	.381		-3.361	1.293
	GCOMP_N	1.926	.589	.229	3.272	.001		.760	3.092
7	(Constant)	3.025	3.830			.790	.431	-4.563	10.612
	NCRCOME	.701	.077	.622	9.125	.000		.549	.853
	SES2	-8.009	3.517	-.155	-2.277	.025		-14.976	-1.042
	GCOMP_N	2.040	.573	.242	3.559	.001		.904	3.176

a Dependent Variable: NCREAD11 (Students' ITBS/TAP 11th grade NCE scores in Total Reading)

Table E-19

1989-1991 ITBS/TAP Reading Mean NCE Scores of Hispanics: Cross-sectional analyses

Year	Grade 4	Grade 8	Grade 11
1989	49 (N = 117)	49 (N = 93)	41 (N = 102)
1990	51 (N = 127)	47 (N = 130)	41 (N = 113)
1991	46 (N = 160)	47 (N = 138)	45 (N = 106)

Table E-20

1999-2001 Stanford 9 Reading Mean NCE Scores of Hispanics: Cross-sectional analyses

Year	Grade 4	Grade 6	Grade 9
1999	44 (N = 178)	52 (N = 238)	45 (N = 255)
2000	46 (N = 172)	52 (N = 226)	44 (N = 315)
2001	48 (N = 213)	49 (N = 226)	45 (N = 248)

Table E-21

1989-1991 ITBS/TAP Mathematics Mean NCE Scores of Hispanics: Cross-sectional analyses

Year	Grade 4	Grade 8	Grade 11
1989	55 (N = 117)	55 (N = 93)	43 (N = 102)
1990	54 (N = 127)	52 (N = 130)	43 (N = 113)
1991	53 (N = 160)	50 (N = 138)	45 (N = 106)

Table E-22

1999-2001 Stanford 9 Mathematics Mean NCE Scores of Hispanics: Cross-sectional analyses

Year	Grade 4	Grade 6	Grade 9
1999	52 (N = 178)	55 (N = 238)	47 (N = 255)
2000	55 (N = 172)	58 (N = 226)	46 (N = 315)
2001	55 (N = 213)	57 (N = 226)	48 (N = 248)