

Statistical Report

Research and Analysis

Statistical Report No. 2006-1

The New SAT and Trends in Test Performance

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The College Board

The College Board

New York, NY

OVERALL TEST SCORES

Table 1. Means and Standard Deviations of Test Scores
(College Bound Seniors Cohort)

	Verbal/Critical Reading	Math	Writing
2004 n = 1,419,007	508 (112)	518 (114)	--
2005 n = 1,475,623	508 (113)	520 (115)	--
2006 n = 1,465,744	503 (113)	518 (115)	497 (109)

TEST SCORES BY SUB-GROUPS

Table 2. Percentage of Test-Takers (CB Seniors Cohort)

	Sub-group	2004	2005	2006
Gender:	Male	47	47	46
	Female	53	53	54
Race/Ethnicity:	No Response	19	10	9
	American Indian or Alaska Native	1	1	1
	Asian or Pacific Islander	8	9	9
	Black or African American	10	10	10
	Mexican or Mexican American	4	5	4
	Puerto Rican	1	1	1
	Latin American South American, Central American, or Other Hispanic or Latino*	3	4	5
	White	51	56	56
	Other	3	4	4
First Language:	No Response	16	7	6
	English	66	73	73
	English and Another	11	12	13
	Another Language	7	8	8
Family Income:	Less Than \$10,000	5	5	4
	\$10,000 - \$20,000	8	8	7
	\$20,000 - \$30,000	10	9	8
	\$30,000 - \$40,000	11	10	10
	\$40,000 - \$50,000	9	9	8
	\$50,000 - \$60,000	9	9	9
	\$60,000 - \$70,000	8	8	8
	\$70,000 - \$80,000	8	8	9
	\$80,000 - \$100,000	12	13	13
	More Than \$100,00	20	21	24

*Note. In 2006, this category was relabeled 'Other Hispanic, Latino, or Latin American'

Tables 3a-c. SAT Performance by Gender

Table 3a. SAT Verbal/Critical Reading & Writing

Gender	2004 Verbal	2005 Verbal	2006 CR	2006 Writing
Females	504 (111)	505 (112)	502 (111)	502 (108)
Males	512 (113)	513 (114)	505 (114)	491 (110)

Table 3b. SAT Math

Gender	2004	2005	2006
Females	501 (110)	504 (111)	502 (111)
Males	537 (116)	538 (116)	536 (117)

Table 3c. Standardized Differences by Gender**

	2004	2005	2006
Verbal/Critical Reading	-0.07	-0.07	-0.03
Math	-0.32	-0.30	-0.30
Writing	--	--	0.10

** Standardized Difference calculated as (Female Mean - Male Mean)/Total Standard Deviation.

Figure 1A

Average SAT Verbal/Critical Reading Scores by Gender

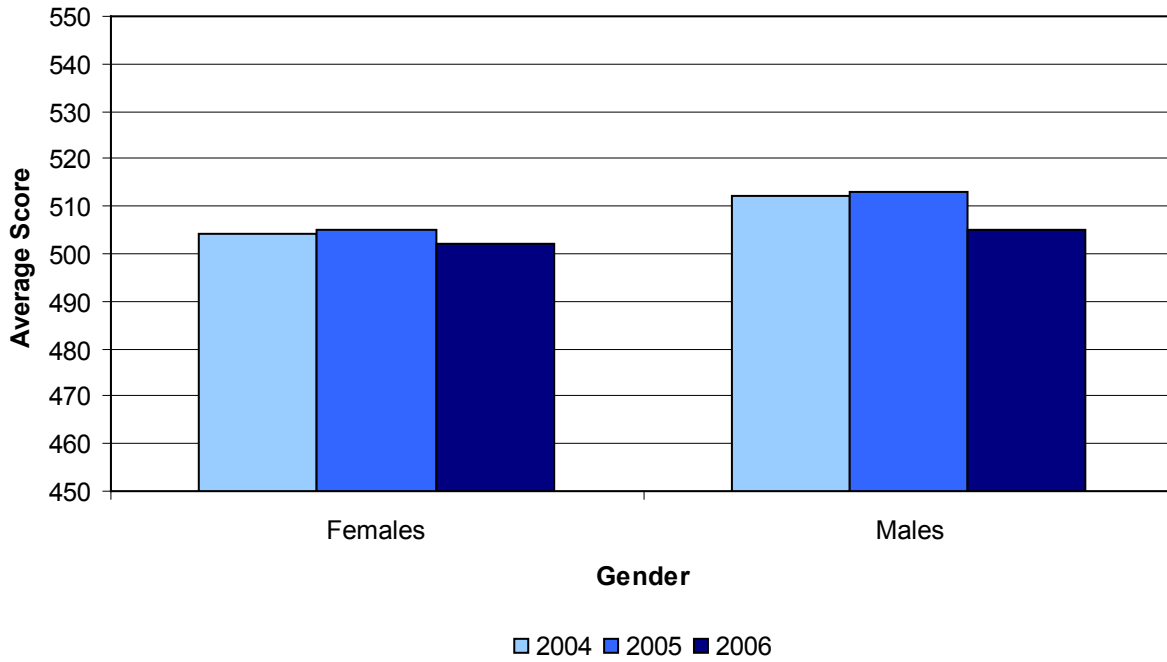


Figure 1B

Average SAT Math Scores by Gender

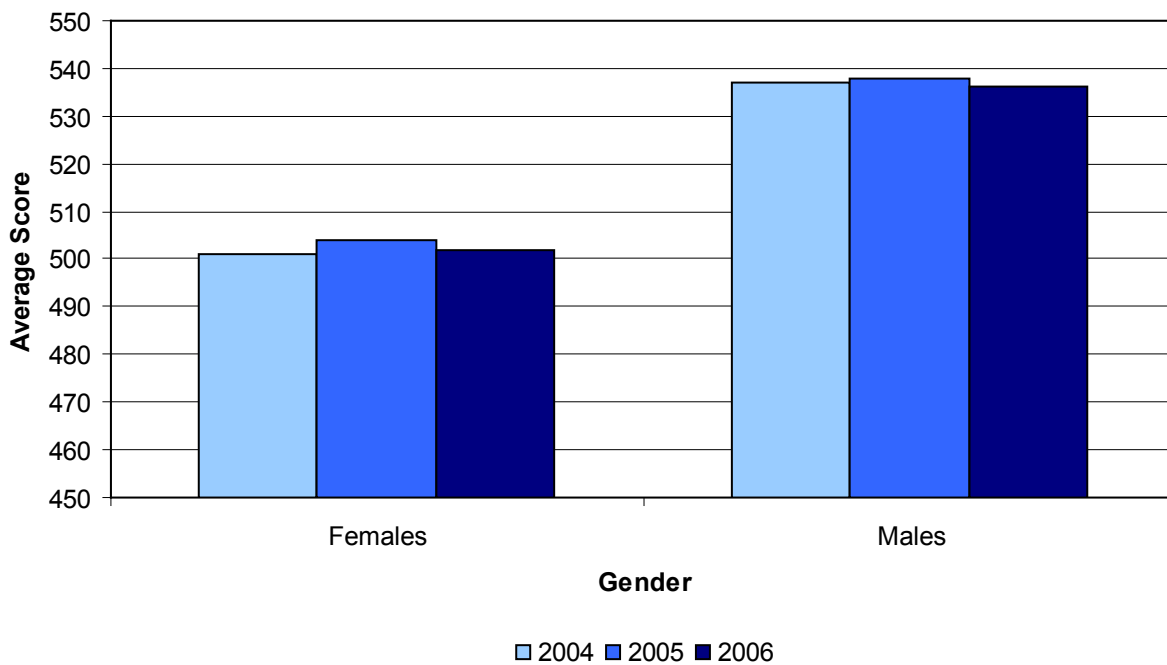


Table 4a-d. Racial/Ethnic Sub-group Performance

Table 4a. SAT Verbal/Critical Reading & Writing Means and Standard Deviations

Sub-group	2004	2005	2006	2006 Writing
	n = 1,419,007	n = 1,475,623	n = 1,465,744	n = 1,465,744
No Response	522 (120)	511 (136)	487 (135)	482 (127)
American Indian or Alaska Native	483 (108)	489 (108)	487 (106)	474 (101)
Asian or Pacific Islander	507 (121)	511 (121)	510 (122)	512 (119)
Black or African American	430 (99)	433 (99)	434 (98)	428 (93)
Mexican or Mexican American	451 (99)	453 (100)	454 (99)	452 (94)
Puerto Rican	457 (102)	460 (103)	459 (104)	448 (99)
Latin-, South-, Central American, or Other Hispanic or Latino	461 (105)	463 (106)	458 (105)	450 (101)
White	528 (100)	532 (101)	527 (102)	519 (100)
Other	494 (116)	495 (117)	494 (116)	493 (110)
TOTAL	508 (112)	508 (113)	503 (113)	497 (109)

Table 4b. SAT Math Means and Standard Deviations

Sub-group	2004	2005	2006
	n = 1,419,007	n = 1,475,623	n = 1,465,744
No Response	535 (119)	525 (131)	506 (128)
American Indian or Alaska Native	488 (107)	493 (106)	494 (106)
Asian or Pacific Islander	577 (123)	580 (121)	578 (122)
Black or African American	427 (99)	431 (99)	429 (100)
Mexican or Mexican American	458 (98)	463 (99)	465 (100)
Puerto Rican	452 (102)	457 (102)	456 (104)
Latin-, South-, Central American, or Other Hispanic or Latino	465 (105)	469 (105)	463 (106)
White	531 (102)	536 (102)	536 (103)
Other	508 (114)	513 (114)	513 (115)
TOTAL	518 (114)	520 (115)	518 (115)

Table 4c. Standardized Differences** on SAT Verbal/Critical Reading & Writing

Sub-group	2004	2005	2006	2006 Writing
No Response	0.13	0.03	-0.14	-0.14
American Indian or Alaska Native	-0.22	-0.17	-0.14	-0.21
Asian or Pacific Islander	-0.01	0.03	0.06	0.14
Black or African American	-0.70	-0.66	-0.61	-0.63
Mexican or Mexican American	-0.51	-0.49	-0.43	-0.41
Puerto Rican	-0.46	-0.42	-0.39	-0.45
Latin American South American, Central American, or Other Hispanic or Latino	-0.42	-0.40	-0.40	-0.43
White	0.18	0.21	0.21	0.20
Other	-0.13	-0.12	-0.08	-0.04

** Standardized Difference calculated as (Subgroup Mean - Total Mean)/Total Standard Deviation.

Table 4d. Standardized Differences on SAT Math

Sub-group	2004	2005	2006
No Response	0.15	0.04	-0.10
American Indian or Alaska Native	-0.26	-0.23	-0.21
Asian or Pacific Islander	0.52	0.52	0.52
Black or African American	-0.80	-0.77	-0.77
Mexican or Mexican American	-0.53	-0.50	-0.46
Puerto Rican	-0.58	-0.55	-0.54
Latin American South American, Central American, or Other Hispanic or Latino	-0.46	-0.44	-0.48
White	0.11	0.14	0.16
Other	-0.09	-0.06	-0.04

Figure 2A

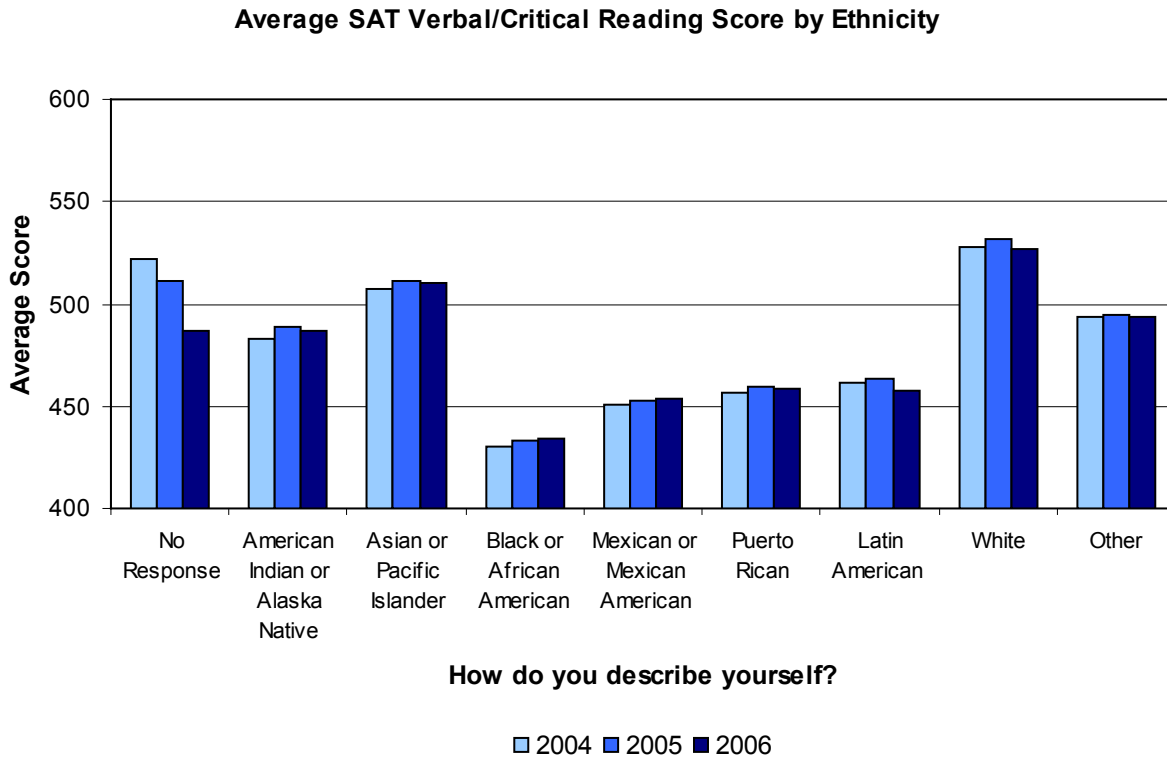


Figure 2B

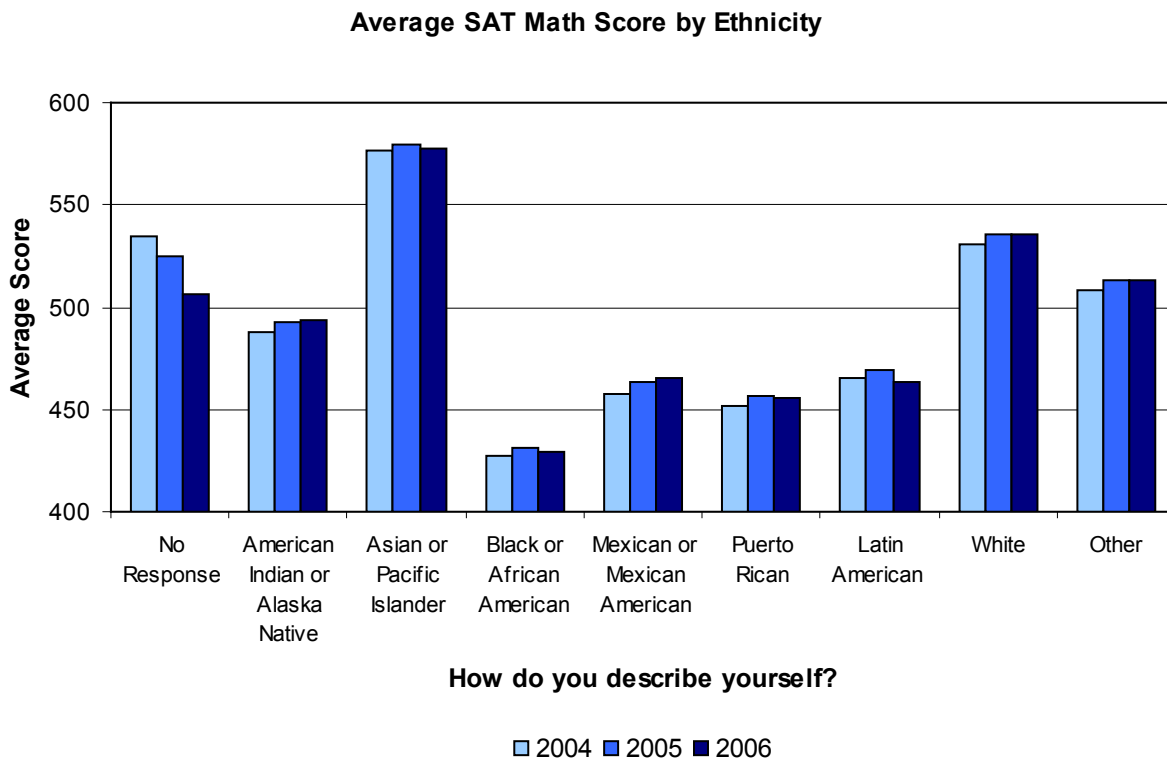


Table 5a-f. Racial/Ethnic Sub-group Performance by Gender

Table 5a. SAT Verbal/Critical Reading & Writing Means for Males

Sub-group	2004	2005	2006	2006 Writing
	n = 523,437	n = 686,298	n = 680,725	n = 680,725
No Response	523	512	483	472
American Indian or Alaska Native	488	492	489	467
Asian or Pacific Islander	509	512	511	506
Black or African American	428	432	430	417
Mexican or Mexican American	457	461	459	449
Puerto Rican	462	466	462	443
Latin-, South-, Central American, or Other Hispanic or Latino	469	471	464	448
White	531	535	529	511
Other	495	497	494	486
TOTAL	512	513	505	491

Table 5b. SAT Math Means for Males

Sub-group	2004	2005	2006
	n = 523,437	n = 686,298	n = 680,725
No Response	550	539	519
American Indian or Alaska Native	508	510	512
Asian or Pacific Islander	592	595	594
Black or African American	438	442	438
Mexican or Mexican American	477	483	485
Puerto Rican	470	476	472
Latin-, South-, Central American, or Other Hispanic or Latino	487	490	484
White	550	554	555
Other	529	534	534
TOTAL	537	538	536

Table 5c. SAT Verbal/Critical Reading & Writing Means for Females

Sub-group	2004	2005	2006	2006 Writing
	n = 624,025	n = 789,325	n = 785,019	n = 785,019
No Response	520	510	490	492
American Indian or Alaska Native	479	486	485	480
Asian or Pacific Islander	505	509	509	518
Black or African American	432	434	437	435
Mexican or Mexican American	446	447	451	454
Puerto Rican	454	455	458	452
Latin-, South-, Central American, or Other Hispanic or Latino	456	457	454	452
White	525	528	526	525
Other	493	493	494	498
TOTAL	504	505	502	502

Table 5d. SAT Math Means for Females

Sub-group	2004	2005	2006
	n = 624,025	n = 789,325	n = 785,019
No Response	519	510	493
American Indian or Alaska Native	470	479	478
Asian or Pacific Islander	563	566	562
Black or African American	420	424	423
Mexican or Mexican American	444	447	450
Puerto Rican	439	443	443
Latin-, South-, Central American, or Other Hispanic or Latino	448	453	448
White	514	520	520
Other	492	497	497
TOTAL	501	504	502

Table 5e. Standardized Differences** by Gender by Ethnicity on SAT Verbal/Critical Reading & Writing

Ethnicity	2004	2005	2006	2006 Writing
No Response	-0.03	-0.02	0.06	0.18
American Indian or Alaska Native	-0.08	-0.05	-0.04	0.12
Asian or Pacific Islander	-0.03	-0.03	-0.02	0.11
Black or African American	0.03	0.02	0.06	0.17
Mexican or Mexican American	-0.10	-0.13	-0.08	0.05
Puerto Rican	-0.07	-0.10	-0.04	0.08
Latin-, South-, Central American, or Other Hispanic or Latino	-0.12	-0.12	-0.09	0.04
White	-0.06	-0.06	-0.03	0.13
Other	-0.01	-0.03	0.00	0.11

** Standardized Difference calculated as (Female Mean - Male Mean)/ Total Standard Deviation.

Table 5f. Standardized Differences** by Gender by Ethnicity on SAT Math

Ethnicity	2004	2005	2006
No Response	-0.29	-0.27	-0.23
American Indian or Alaska Native	-0.34	-0.28	-0.30
Asian or Pacific Islander	-0.25	-0.25	-0.27
Black or African American	-0.16	-0.15	-0.14
Mexican or Mexican American	-0.29	-0.32	-0.31
Puerto Rican	-0.28	-0.28	-0.26
Latin-, South-, Central American, or Other Hispanic or Latino	-0.35	-0.32	-0.32
White	-0.31	-0.29	-0.30
Other	-0.32	-0.32	-0.32

** Standardized Difference calculated as (Female Mean - Male Mean)/ Total Standard Deviation.

Table 6a-h. SAT Performance by First Language

Table 6a. SAT Verbal/Critical Reading & Writing

First Language	2004	2005	2006	2006 Writing
No Response	517 (120)	490 (141)	455 (134)	452 (125)
English Only	515 (106)	519 (106)	515 (107)	506 (104)
English and Another Language	483 (112)	486 (114)	485 (114)	483 (111)
Another Language	457 (118)	462 (120)	467 (120)	469 (118)
TOTAL	508 (112)	508 (113)	503 (113)	497 (109)

Table 6b. SAT Math

First Language	2004	2005	2006
No Response	536 (123)	518 (140)	486 (132)
English Only	516 (108)	521 (109)	521 (110)
English and Another Language	507 (122)	513 (122)	511 (123)
Another Language	515 (130)	521 (129)	523 (131)
TOTAL	518 (114)	520 (115)	518 (115)

Table 6c. Standardized Differences by First Language on Verbal/Critical Reading & Writing**

First Language	2004	2005	2006	2006 Writing
No Response	0.08	-0.16	-0.42	-0.41
English Only	0.06	0.10	0.11	0.08
English and Another Language	-0.22	-0.19	-0.16	-0.13
Another Language	-0.46	-0.41	-0.32	-0.26

** Standardized Difference calculated as (First language subgroup - Total Mean)/Total Standard Deviation.

Table 6d. Standardized Differences by First Language on SAT Math

First Language	2004	2005	2006
No Response	0.16	-0.02	-0.28
English Only	-0.02	0.01	0.03
English and Another Language	-0.10	-0.06	-0.06
Another Language	-0.03	0.01	0.04

Figure 3A

Average SAT Verbal/Critical Reading Score by Language

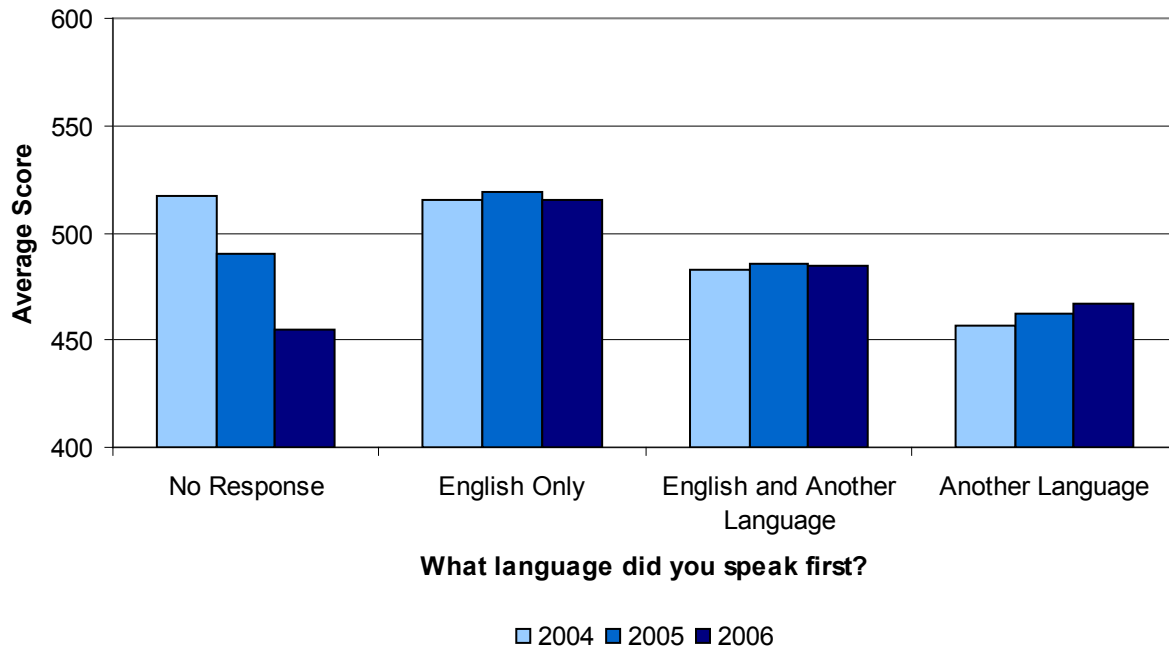


Figure 3B

Average SAT Math Score by Language

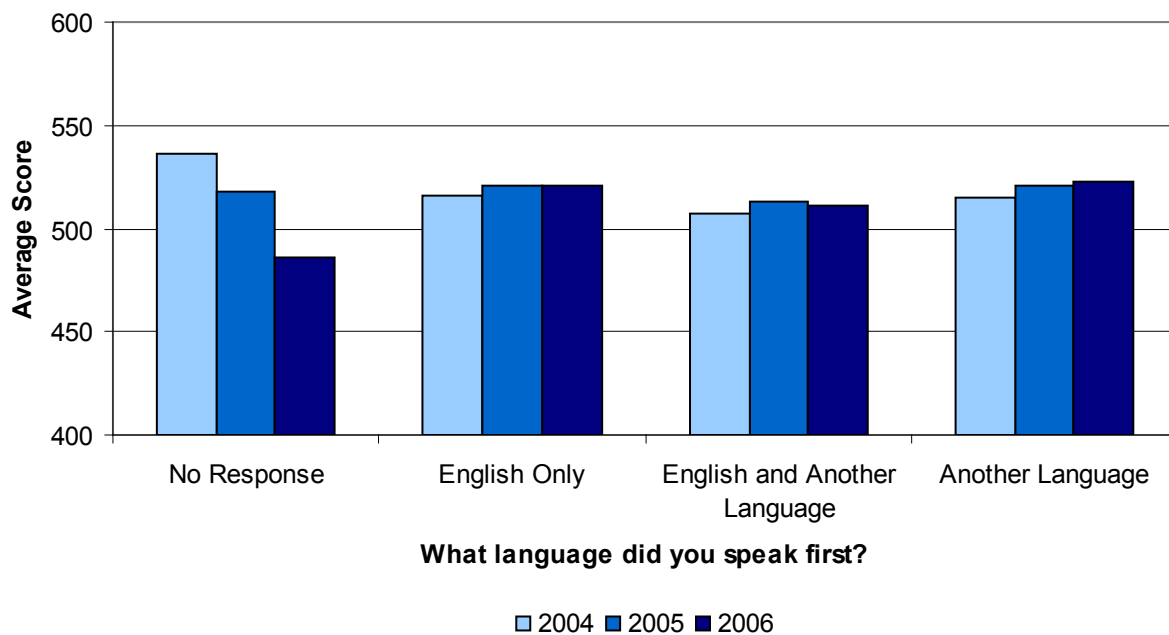


Table 6e. SAT Verbal/Critical Reading Means by First Language by Ethnicity

First Language	No Response			English Only			English and Another Language			Another Language		
	2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005	2006
No Response	503	472	453	555	559	551	507	502	497	480	476	473
American Indian or Alaska Native	509	506	459	487	493	490	456	456	470	422	423	438
Asian or Pacific Islander	541	520	505	525	528	523	516	521	520	473	483	488
Black or African American	435	406	403	432	434	434	427	430	436	401	408	418
Mexican or Mexican American	470	449	447	480	484	486	442	443	444	424	424	429
Puerto Rican	487	458	456	475	478	477	448	449	448	438	439	440
Latin-, South-, Central American, or Other Hispanic or Latino	479	449	447	491	499	485	462	462	456	444	445	444
White	567	549	528	529	533	529	504	509	505	495	499	507
Other	516	472	465	515	516	511	478	479	482	443	446	454

Table 6f. SAT Math Means by First Language by Ethnicity

First Language	No Response			English Only			English and Another Language			Another Language		
	2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005	2006
No Response	515	491	482	547	551	546	533	535	527	544	542	534
American Indian or Alaska Native	533	537	476	488	494	494	475	485	489	498	485	506
Asian or Pacific Islander	656	636	601	549	553	551	579	584	582	583	591	593
Black or African American	439	415	402	427	431	429	431	437	437	428	439	436
Mexican or Mexican American	475	461	446	480	486	490	447	451	453	443	446	449
Puerto Rican	500	456	455	470	475	474	441	444	441	437	441	440
Latin-, South-, Central American, or Other Hispanic or Latino	482	470	446	488	497	485	461	462	457	456	461	457
White	578	562	539	530	536	537	515	523	522	551	553	555
Other	554	537	525	509	514	512	508	515	515	500	506	512

Table 6g. Standardized Differences** by First Language by Ethnicity on SAT Verbal/Critical Reading

First Language	No Response			English Only			English and Another Language			Another Language		
	2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005	2006
No Response	-0.05	-0.32	-0.45	0.42	0.45	0.42	-0.01	-0.05	-0.06	-0.25	-0.29	-0.27
American Indian or Alaska Native	0.01	-0.02	-0.39	-0.19	-0.14	-0.12	-0.46	-0.47	-0.30	-0.77	-0.76	-0.58
Asian or Pacific Islander	0.29	0.10	0.01	0.15	0.17	0.17	0.07	0.11	0.15	-0.31	-0.22	-0.14
Black or African American	-0.65	-0.91	-0.89	-0.68	-0.65	-0.61	-0.73	-0.70	-0.60	-0.96	-0.89	-0.76
Mexican or Mexican American	-0.34	-0.53	-0.50	-0.25	-0.21	-0.16	-0.59	-0.58	-0.53	-0.75	-0.74	-0.66
Puerto Rican	-0.19	-0.45	-0.42	-0.30	-0.27	-0.24	-0.54	-0.52	-0.49	-0.62	-0.61	-0.56
Latin-, South-, Central American, or Other Hispanic or Latino	-0.26	-0.53	-0.51	-0.15	-0.08	-0.17	-0.41	-0.41	-0.42	-0.57	-0.56	-0.52
White	0.53	0.36	0.21	0.19	0.22	0.22	-0.03	0.01	0.02	-0.11	-0.09	0.03
Other	0.08	-0.33	-0.34	0.06	0.07	0.07	-0.26	-0.26	-0.19	-0.58	-0.55	-0.44

** Standardized Difference calculated as (Subgroup Mean - Total Mean)/Total Standard Deviation

Table 6h. Standardized Differences** by First Language by Ethnicity on SAT Math

First Language	No Response			English Only			English and Another Language			Another Language		
	2004	2005	2006	2004	2005	2006	2004	2005	2006	2004	2005	2006
No Response	-0.02	-0.25	-0.31	0.26	0.27	0.24	0.13	0.13	0.08	0.23	0.20	0.14
American Indian or Alaska Native	0.13	0.15	-0.37	-0.26	-0.23	-0.20	-0.37	-0.30	-0.25	-0.18	-0.31	-0.10
Asian or Pacific Islander	1.21	1.02	0.72	0.27	0.29	0.29	0.54	0.56	0.56	0.57	0.62	0.65
Black or African American	-0.69	-0.92	-1.01	-0.80	-0.78	-0.77	-0.76	-0.72	-0.70	-0.79	-0.70	-0.71
Mexican or Mexican American	-0.38	-0.52	-0.63	-0.33	-0.29	-0.24	-0.62	-0.60	-0.56	-0.66	-0.64	-0.60
Puerto Rican	-0.16	-0.56	-0.54	-0.42	-0.39	-0.38	-0.68	-0.66	-0.67	-0.71	-0.68	-0.68
Latin-, South-, Central American, or Other Hispanic or Latino	-0.32	-0.44	-0.62	-0.26	-0.20	-0.28	-0.50	-0.50	-0.53	-0.54	-0.51	-0.53
White	0.53	0.37	0.18	0.11	0.14	0.17	-0.03	0.02	0.03	0.29	0.29	0.33
Other	0.32	0.15	0.06	-0.08	-0.05	-0.05	-0.09	-0.05	-0.02	-0.16	-0.12	-0.05

** Standardized Difference calculated as (Subgroup Mean - Total Mean)/Total Standard Deviation.

Table 7a-d. SAT Performance by Family Income

Table 7a. SAT Verbal\Critical Reading & Writing Means

Family Income	2004	2005	2006	2006 Writing
Less Than \$10,000	422	426	429	427
\$10,000 - \$20,000	440	443	445	440
\$20,000 - \$30,000	459	463	462	454
\$30,000 - \$40,000	478	480	478	470
\$40,000 - \$50,000	493	496	493	483
\$50,000 - \$60,000	501	505	500	490
\$60,000 - \$70,000	507	511	505	496
\$70,000 - \$80,000	515	517	511	502
\$80,000 - \$100,000	527	529	523	514
More Than \$100,00	553	554	549	543
TOTAL	508	508	503	497

Table 7b. SAT Math Means

Family Income	2004	2005	2006
Less Than \$10,000	450	458	457
\$10,000 - \$20,000	457	463	465
\$20,000 - \$30,000	467	474	474
\$30,000 - \$40,000	482	487	488
\$40,000 - \$50,000	496	500	501
\$50,000 - \$60,000	504	509	509
\$60,000 - \$70,000	510	515	515
\$70,000 - \$80,000	518	522	521
\$80,000 - \$100,000	530	534	534
More Than \$100,00	562	565	564
TOTAL	518	520	518

Table 7c. Standardized Differences** by Family Income on SAT Verbal

Family Income	2004	2005	2006	2006 Writing
Less Than \$10,000	-0.77	-0.73	-0.66	-0.64
\$10,000 - \$20,000	-0.61	-0.58	-0.52	-0.52
\$20,000 - \$30,000	-0.44	-0.40	-0.37	-0.39
\$30,000 - \$40,000	-0.27	-0.25	-0.23	-0.25
\$40,000 - \$50,000	-0.13	-0.11	-0.09	-0.13
\$50,000 - \$60,000	-0.06	-0.03	-0.03	-0.06
\$60,000 - \$70,000	-0.01	0.02	0.01	-0.01
\$70,000 - \$80,000	0.06	0.08	0.07	0.05
\$80,000 - \$100,000	0.17	0.18	0.17	0.16
More Than \$100,00	0.40	0.40	0.40	0.42

** Standardized Difference calculated as (Subgroup Mean - Total Mean)/Total Standard Deviation.

Table 7d. Standardized Differences** by Family Income on SAT Math

Family Income	2004	2005	2006
Less Than \$10,000	-0.60	-0.54	-0.53
\$10,000 - \$20,000	-0.53	-0.50	-0.46
\$20,000 - \$30,000	-0.45	-0.40	-0.38
\$30,000 - \$40,000	-0.32	-0.29	-0.26
\$40,000 - \$50,000	-0.19	-0.17	-0.15
\$50,000 - \$60,000	-0.12	-0.09	-0.08
\$60,000 - \$70,000	-0.07	-0.04	-0.02
\$70,000 - \$80,000	0.00	0.02	0.03
\$80,000 - \$100,000	0.10	0.12	0.14
More Than \$100,00	0.39	0.39	0.40

** Standardized Difference calculated as (Subgroup Mean - Total Mean)/Total Standard Deviation.