

**NATIONAL REPORT**

# 1998 College-Bound **SENIORS**



**Summary  
Reporting  
Service**

**A  
Profile  
of  
SAT<sup>®</sup>  
Program  
Test  
Takers**



**The College Board**  
Educational Excellence for All Students

# The SAT Program

The SAT I: Reasoning Test and the SAT II: Subject Tests, the primary components of the SAT Program, are designed to assess many of the skills that are important to students' success in college. Because the subject matter of high school courses as well as grading standards vary widely, the tests have been developed to provide a common standard against which students can be compared. Most students also complete the optional Student Descriptive Questionnaire (SDQ) when they register to take SAT Program tests, providing valuable contextual information to aid in interpreting and understanding individual and group scores.

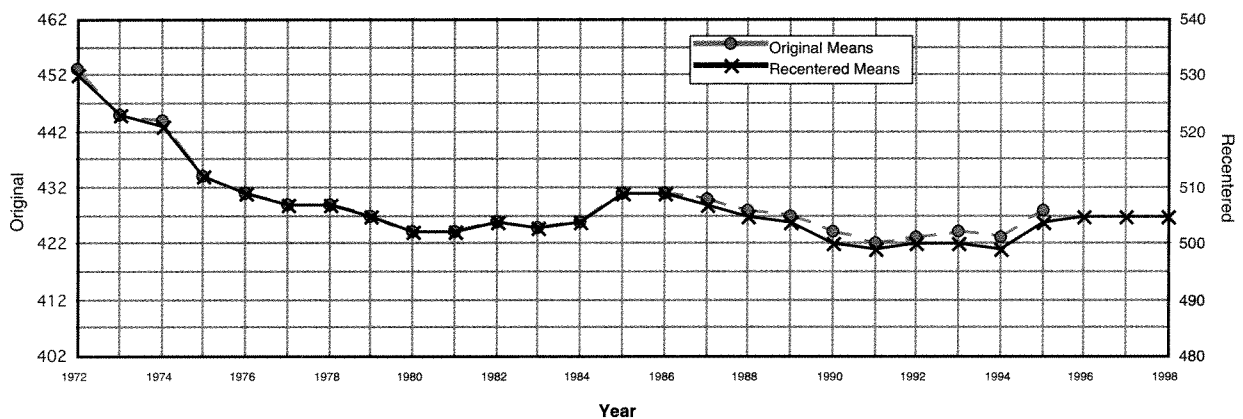
In April 1995, the College Board recentered the score scales for all tests in the SAT Program to reflect the

contemporary test taking population. Recentering reestablished the average score for a study group of 1990 seniors at about 500 — the midpoint of the 200 to 800 scale — allowing students, schools, and colleges to more easily interpret their scores in relation to those of a similar group of college-bound seniors. Recentering also simplifies comparisons between students' verbal and mathematical abilities and improves reliability of SAT Program scores and their ability to predict success in college.

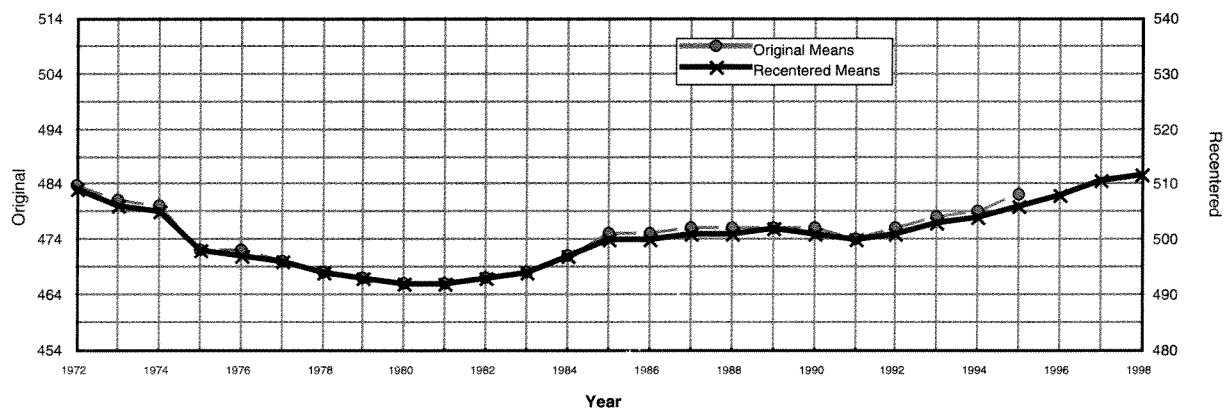
The following graphs demonstrate that although the numerical value of SAT scores has changed, the pattern of scores over time for college-bound seniors has not. (See also the table of recentered mean scores — 1972 through 1998 — for males, females, and all college-bound seniors.)

**Chart A: Mean SAT/SAT I Scores for National College-Bound Seniors 1972-1998\***

## Verbal Scores – Original versus Recentered Scale



## Math Scores – Original versus Recentered Scale



\* For 1972-1986 a formula was applied to the original mean and standard deviation to convert the mean to the recentered scale. For 1987-1995 individual student scores were converted to the recentered scale and then the mean was recomputed. For 1996-1998 most students received scores on the recentered scale. (Any score on the original scale was converted to the recentered scale prior to computing the mean.)

# Using This Report

This *Profile of College-Bound Seniors* presents data for 1998 high school graduates who participated in the SAT Program during their high school years. Students are counted once no matter how often they tested, and only their latest scores and most recent SDQ responses are summarized. Because the accuracy of self-reported information has been documented and the college-bound senior population is relatively stable from year to year, SDQ responses from these students can be considered highly accurate. Therefore, you can use this report to:

- interpret scores of individual students within the broader context of data aggregated across groups of college-bound seniors;
- study changes over time in the characteristics of students taking SAT tests; and
- look at year-to-year educational and demographic changes in this population, along with changes in test performance.

Keep in mind, however, that:

- relationships between test scores and other factors such as educational background, gender, racial/ethnic background, parental education, and household income are complex and interdependent. These factors do not directly affect test performance; rather, they are associated with educational experiences both on tests such as the SAT I and in schoolwork.
- not all students in a high school, school district, or state take the SAT I. Since the population of test takers is self-selected, using aggregate SAT I scores to compare or evaluate teachers, schools, districts, states or other educational units is not valid, and the College Board strongly discourages such uses.
- interpreting SAT I scores for subgroups requires unique considerations. The most significant factor to consider in interpreting SAT I scores for any group, or subgroup, of test takers is the proportion of students taking the test. For example, if state data are being considered, it is appropriate to recognize that in some states there are lower participation rates. Typically, test takers in these states have strong academic backgrounds and apply to the nation's most selective colleges and scholarship programs. For these states, it is expected that the SAT I mean scores reported for students will be higher than the national average.

**Table A. National Mean SAT/SAT I Scores  
for College-Bound Seniors, 1972-1998\***  
(Recentered Scale)

Year	Verbal			Math		
	Male	Female	Total	Male	Female	Total
1972	531	529	530	527	489	509
1973	523	521	523	525	489	506
1974	524	520	521	524	488	505
1975	515	509	512	518	479	498
1976	511	508	509	520	475	497
1977	509	505	507	520	474	496
1978	511	503	507	517	474	494
1979	509	501	505	516	473	493
1980	506	498	502	515	473	492
1981	508	496	502	516	473	492
1982	509	499	504	516	473	493
1983	508	498	503	516	474	494
1984	511	498	504	518	478	497
1985	514	503	509	522	480	500
1986	515	504	509	523	479	500
1987	512	502	507	523	481	501
1988	512	499	505	521	483	501
1989	510	498	504	523	482	502
1990	505	496	500	521	483	501
1991	503	495	499	520	482	500
1992	504	496	500	521	484	501
1993	504	497	500	524	484	503
1994	501	497	499	523	487	504
1995	505	502	504	525	490	506
1996	507	503	505	527	492	508
1997	507	503	505	530	494	511
1998	509	502	505	531	496	512

\*For 1972-1986 a formula was applied to the original mean and standard deviation to convert the mean to the recentered scale. For 1987-1995 individual student scores were converted to the recentered scale and then the mean was recomputed. For 1996 through 1998 most students received scores on the recentered scale. (Any score on the original scale was converted to the recentered scale prior to computing the mean.)

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# Table 1

## 1998 Profile of College-Bound Seniors

### NATIONAL

#### Points to Note

- This report summarizes information for seniors who took the SAT I: Reasoning Test and/or SAT II: Subject Tests any time during their high school years through March 1998. If a student took a test more than once, the most recent score is used. Students are counted once no matter how often they tested.
- All scores are reported here on the recentered SAT score scale. Students' scores from administrations prior to April 1995, when the recentered scale was introduced, have been converted in order to summarize data across the cohort.
- Mean scores are reported when there are 5 or more test takers.
- Standard deviations are reported when there are 25 or more test takers.
- Percentiles (75th, 50th, and 25th) are reported when there are 20 or more test takers.
- "No response" indicates that students skipped that question when they completed their Student Descriptive Questionnaire (SDQ).
- The most recent responses to the SDQ are summarized.

Students Who Registered for the SAT I: Reasoning Test or an SAT II: Subject Test				SAT I Mean Scores	
	Male	Female	Total	Verbal	Math
Total Number of Students	579,235	674,415	1,253,650		
Students with at Least One Student Descriptive Questionnaire (SDQ) Response	534,997	640,351	1,175,348		
Percent with at Least One SDQ Response	92	95	94		
<b>SAT Program Test Takers</b>					
All Students with Either SAT I or SAT II Scores	546,039	634,913	1,180,952		
Students with SAT I Scores	541,962	630,817	1,172,779	505	512
Students with SAT II Scores	106,411	123,252	229,663		
Students with Both SAT I and SAT II Scores	102,334	119,156	221,490	593	613
<b>Year in Which Seniors Last took SAT I</b>					
Senior	377,182	457,819	835,001	495	502
Junior	161,163	169,481	330,644	530	538
Sophomore	3,121	3,134	6,255	500	510
Freshman	496	383	879	489	503



**SAT® Program Summary Reporting Service**  
**The College Board**

**Table  
2**

**1998 Profile of College-Bound Seniors  
Academic Record  
NATIONAL**

High School Rank	SAT I Test Takers		Percent		SAT I Mean Scores	
	Number	Percent	Male	Female	Verbal	Math
Top Tenth	196,563	21	42	58	590	607
Second Tenth	207,146	22	45	55	530	543
Second Fifth	255,634	28	48	52	494	500
Third Fifth	218,142	24	47	53	454	453
Fourth Fifth	37,505	4	51	49	427	421
Fifth Fifth	7,969	1	51	49	408	403
No Response	249,820					
<b>High School Grade Point Average</b>						
A+ (97-100)	68,545	7	40	60	613	629
A (93-96)	160,624	15	38	62	569	582
A- (90-92)	168,453	16	41	59	542	554
B (80-89)	507,196	48	46	54	483	487
C (70-79)	141,256	13	57	43	430	428
D, E, or F (Below 70)	4,516	0	65	35	408	411
No Response	122,189					
<b>Mean Grade Point Average: All Students 3.23</b>						
<b>Years of Study in Six Academic Subjects</b>						
20 or More Years	459,461	50	41	59	545	551
19 or 19½ Years	111,676	12	46	54	505	511
18 or 18½ Years	99,309	11	47	53	488	494
17 or 17½ Years	76,376	8	48	52	472	476
16 or 16½ Years	57,704	6	49	51	460	466
15 or 15½ Years	43,499	5	51	49	453	460
Less Than 15 Years	71,082	8	54	46	439	451
No Response	253,672					
Academic Subject	Average Years of Study			Grade Point Average: For Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	1.7	2.1	1.9	3.62	3.77	3.70
English	3.9	3.9	3.9	3.08	3.32	3.21
Foreign and Classical Languages	2.6	2.8	2.7	3.03	3.29	3.17
Mathematics	3.8	3.8	3.8	3.03	3.02	3.03
Natural Sciences	3.4	3.4	3.4	3.13	3.17	3.15
Social Sciences and History	3.4	3.5	3.5	3.26	3.32	3.29
Total for All Subjects	18.8	19.5	19.2	<b>Mean Grade Point Average: All Students</b>		
				Male	Female	Total
				3.14	3.30	3.23

**Table  
3-1**

**1998 Profile of College-Bound Seniors  
Course-Taking Patterns  
NATIONAL**

English	SAT I Test Takers		Percent		SAT I Mean Scores	
	Number	Percent	Male	Female	Verbal	Math
<b>Years of Study</b>						
More Than 4 Years	82,271	8	44	56	523	536
4 Years	811,536	78	44	56	509	515
3 Years	132,478	13	52	48	480	490
2 Years	12,689	1	56	44	480	505
1 Year	2,561	0	55	45	456	489
One-half Year or Less	3,357	0	56	44	494	520
No Response	127,887					
<b>Course Work or Experience</b>						
American Literature	880,185	85	45	55	519	522
Grammar	771,350	75	44	56	517	521
Composition	730,658	71	44	56	525	528
Literature Historical Periods	536,880	52	42	58	537	536
British Literature	441,919	43	44	56	542	541
Speaking and Listening	405,195	39	42	58	523	527
Literature Other Country	238,783	23	43	57	545	545
English as a Second Language	52,232	5	45	55	429	507
<b>Honors Course Taken</b>	394,277	38	38	62	567	565

**Mathematics**

<b>Years of Study</b>						
More Than 4 Years	136,093	13	50	50	539	574
4 Years	595,052	57	45	55	516	523
3 Years	274,323	26	43	57	476	468
2 Years	30,806	3	48	52	469	458
1 Year	4,986	0	57	43	496	507
One-half Year or Less	1,983	0	45	55	445	450
No Response	129,536					
<b>Course Work</b>						
Algebra	1,027,249	95	45	55	506	512
Geometry	1,007,512	93	45	55	509	516
Trigonometry	560,779	52	46	54	532	548
Precalculus	453,968	42	47	53	550	573
Other Math Courses	259,365	24	43	57	488	491
Calculus	264,406	25	49	51	575	610
Computer Math	95,105	9	57	43	520	543
<b>Honors Course Taken</b>	307,621	29	46	54	575	598

**Table  
3-2**

**1998 Profile of College-Bound Seniors  
Course-Taking Patterns (Continued)**

**NATIONAL**

Natural Sciences	SAT I Test Takers		Percent		SAT I Mean Scores	
	Number	Percent	Male	Female	Verbal	Math
<b>Years of Study</b>						
More Than 4 Years	90,760	9	48	52	554	579
4 Years	424,279	41	46	54	530	537
3 Years	376,334	37	44	56	490	491
2 Years	103,306	10	45	55	460	461
1 Year	25,630	2	51	49	471	480
One-half Year or Less	10,108	1	41	59	421	435
No Response	142,362					
<b>Course Work</b>						
Biology	1,033,332	96	45	55	507	512
Chemistry	923,869	86	45	55	516	525
Physics	534,422	50	49	51	540	558
Geology, Earth Science, or Space Science	473,331	44	46	54	499	502
Other Sciences	407,896	38	42	58	501	503
<b>Honors Course Taken</b>	302,762	29	44	56	575	587

**Social Sciences and History**

<b>Years of Study</b>						
More Than 4 Years	78,640	8	44	56	531	535
4 Years	459,859	44	45	55	517	519
3 Years	393,113	38	45	55	499	509
2 Years	78,940	8	50	50	475	492
1 Year	14,837	1	53	47	467	492
One-half Year or Less	10,418	1	48	52	468	488
No Response	136,972					
<b>Course Work</b>						
U.S. History	1,019,754	95	45	55	507	512
World History or Cultures	858,770	80	45	55	510	516
U.S. Government or Civics	759,451	71	44	56	508	512
Economics	524,714	49	44	56	507	515
Geography	338,781	32	45	55	496	505
Psychology	273,984	25	34	66	518	515
European History	233,914	22	48	52	537	541
Other Courses	162,798	15	42	58	519	525
Sociology	148,560	14	37	63	507	505
Ancient History	108,126	10	50	50	521	531
Anthropology	25,924	2	45	55	519	530
<b>Honors Course Taken</b>	306,224	30	42	58	574	576



**Table  
3-3**

**1998 Profile of College-Bound Seniors  
Course-Taking Patterns (Continued)**

**NATIONAL**

Foreign and Classical Languages	SAT I Test Takers		Percent		SAT I Mean Scores	
	Number	Percent	Male	Female	Verbal	Math
<b>Years of Study</b>						
More Than 4 Years	59,334	6	38	62	557	573
4 Years	219,939	21	39	61	557	562
3 Years	311,733	30	44	56	518	524
2 Years	347,532	34	48	52	481	485
1 Year	50,409	5	54	46	436	441
One-half Year or Less	45,838	4	57	43	425	439
No Response	137,994					
<b>Course Work</b>						
Chinese	17,760	2	53	47	512	601
French	248,195	23	38	62	526	527
German	69,643	6	52	48	540	547
Greek	6,923	1	52	48	540	550
Hebrew	16,981	2	55	45	552	564
Italian	24,775	2	50	50	511	519
Japanese	22,961	2	52	48	519	555
Korean	9,545	1	60	40	531	590
Latin	88,557	8	46	54	553	551
Russian	17,482	2	53	47	531	550
Spanish	714,819	67	45	55	501	506
Other Languages	30,492	3	44	56	484	521
<b>Honors Course Taken</b>	189,517	18	38	62	576	583
<b>Arts and Music</b>						
<b>Years of Study</b>						
More Than 4 Years	76,726	8	37	63	534	533
4 Years	156,681	15	36	64	538	533
3 Years	109,508	11	39	61	514	514
2 Years	166,783	16	44	56	506	512
1 Year	279,467	27	48	52	498	510
One-half Year or Less	228,332	22	52	48	488	501
No Response	155,282					
<b>Course Work or Experience</b>						
Acting or Play Production	235,580	23	36	64	543	533
Art History or Appreciation	228,323	22	45	55	518	518
Dance	130,846	13	13	87	513	509
Drama: Study or Appreciation	153,319	15	34	66	533	522
Music: Study or Appreciation	173,883	17	43	57	537	535
Music Performance	403,338	39	37	63	529	530
Photography or Film	167,645	16	40	60	525	524
Studio Art and Design	234,049	23	44	56	524	527
None	188,970	18	56	44	477	494
<b>Honors Course Taken</b>	79,051	8	39	61	560	557
<b>Computer Course Work or Experience</b>						
Computer Programming	234,053	22	55	45	515	533
Data Processing	306,454	29	47	53	508	518
Word Processing	793,973	76	43	57	517	523
Math Problems	292,501	28	49	51	526	538
Natural Science Problems	141,292	14	52	48	547	559
Social Science Problems	94,006	9	53	47	527	539
Use in English Courses	489,965	47	43	57	528	533
Computer Literacy	561,502	54	48	52	525	528
None	80,299	8	46	54	488	495

**Table  
4-1**

**1998 Profile of College-Bound Seniors  
Background Information  
NATIONAL**

SAT I Test Takers Who Described Themselves as:	Number of			Percent	
	Males	Females	Total	Male	Female
American Indian or Alaskan Native	4,805	5,354	10,159	47	53
Asian, Asian American, or Pacific Islander	45,623	48,443	94,066	49	51
African American or Black	46,927	67,985	114,912	41	59
Hispanic or Latino Background:					
Mexican or Mexican American	17,592	23,436	41,028	43	57
Puerto Rican	5,870	7,765	13,635	43	57
Latin American, South American, Central American, or Other Hispanic or Latino	15,337	20,412	35,749	43	57
White	322,048	382,414	704,462	46	54
Other	15,449	20,313	35,762	43	57
No Response	68,311	54,695	123,006	56	44

SAT I Test Takers Who Described Themselves as:	Number of			Percent Responding		
	Males	Females	Total	Male	Female	Total
American Indian or Alaskan Native	4,805	5,354	10,159	1	1	1
Asian, Asian American, or Pacific Islander	45,623	48,443	94,066	10	8	9
African American or Black	46,927	67,985	114,912	10	12	11
Hispanic or Latino Background:						
Mexican or Mexican American	17,592	23,436	41,028	4	4	4
Puerto Rican	5,870	7,765	13,635	1	1	1
Latin American, South American, Central American, or Other Hispanic or Latino	15,337	20,412	35,749	3	4	3
White	322,048	382,414	704,462	68	66	67
Other	15,449	20,313	35,762	3	4	3
<b>Total</b>	<b>473,651</b>	<b>576,122</b>	<b>1,049,773</b>	<b>100</b>	<b>100</b>	<b>100</b>

SAT I Test Takers Who Described Themselves as:	SAT I Verbal						SAT I Math					
	Mean Scores			Standard Deviations			Mean Scores			Standard Deviations		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
American Indian or Alaskan Native	484	477	480	103	100	102	499	468	483	107	97	103
Asian, Asian American, or Pacific Islander	500	496	498	125	124	125	579	546	562	120	118	120
African American or Black	432	435	434	100	99	99	436	419	426	101	94	97
Hispanic or Latino Background:												
Mexican or Mexican American	461	447	453	103	100	102	481	445	460	101	93	98
Puerto Rican	456	448	452	106	102	104	465	434	447	105	96	101
Latin American, South American, Central American, or Other Hispanic or Latino	470	454	461	109	107	108	489	449	466	108	101	106
White	531	523	526	103	100	101	547	512	528	105	99	103
Other	514	508	511	119	117	118	538	497	514	115	109	114
No Response	490	490	490	122	124	123	514	488	503	122	119	121

**Table  
4-2**

**1998 Profile of College-Bound Seniors  
Background Information (Continued)  
NATIONAL**

	SAT I Test Takers		Percent		SAT I Verbal		SAT I Math	
	Number	Percent	Male	Female	Mean Scores	Standard Deviations	Mean Scores	Standard Deviations
<b>All SAT I Test Takers</b>	1,172,779		46	54	505	111	512	112
<b>First Language Learned</b>								
English	867,090	82	45	55	516	106	515	108
English and Another Language	102,083	10	45	55	483	114	501	120
Another Language	89,826	8	46	54	453	119	516	126
No Response	113,780							
<b>Citizenship</b>								
U.S. Citizen or U.S. National	969,675	92	45	55	512	107	513	110
U.S. Permanent Resident or Refugee	45,348	4	44	56	443	120	497	125
Citizen of Another Country	36,685	3	52	48	476	120	561	119
Other, Unknown, or No Response	121,071							
<b>Disabling Condition</b>								
Yes	45,939	5	51	49	473	115	473	115
No	973,181	95	45	55	509	108	516	110
<b>SAT I Taken Under</b>								
Standard Conditions	1,149,461	98	46	54	506	111	513	112
Nonstandard Conditions	23,318	2	61	39	468	115	467	121
<b>Plans to Apply for Financial Aid</b>								
Yes	809,138	76	44	56	505	110	509	111
No	80,060	8	50	50	517	108	536	110
Don't Know	171,806	16	50	50	510	108	521	110
<b>Family Income</b>								
Less Than \$10,000	44,912	5	36	64	427	111	446	116
\$10,000 - \$20,000	85,245	9	40	60	451	107	463	109
\$20,000 - \$30,000	104,726	11	42	58	477	105	482	106
\$30,000 - \$40,000	125,771	13	44	56	495	103	497	105
\$40,000 - \$50,000	106,545	11	46	54	506	102	509	104
\$50,000 - \$60,000	105,403	11	47	53	514	101	518	104
\$60,000 - \$70,000	84,139	9	48	52	521	101	525	104
\$70,000 - \$80,000	72,443	8	49	51	527	102	532	104
\$80,000 - \$100,000	88,321	9	49	51	539	101	546	104
More Than \$100,000	122,383	13	51	49	559	102	572	104
No Response	232,891							
<b>Highest Level of Parental Education</b>								
No High School Diploma	45,187	4	40	60	411	101	441	108
High School Diploma	351,120	34	42	58	473	100	477	102
Associate's Degree	87,530	8	44	56	489	98	491	100
Bachelor's Degree	296,771	28	47	53	525	103	532	105
Graduate Degree	260,885	25	49	51	556	107	563	108
<b>Calculator Experience</b>								
Use Almost Every Day	718,428	73	44	56	525	106	535	108
Use Once or Twice Weekly or Less	263,885	27	45	55	475	104	473	103
Never Use or No Response	190,466							
<b>Took the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT)</b>								
Yes	809,470	79	44	56	523	106	529	108
No	210,750	21	49	51	457	105	466	109
Unknown or No Response	152,559							

**Table  
5**

**1998 Profile of College-Bound Seniors  
College Plans**

**NATIONAL**

Intended College Major	SAT I Test Takers		Percent		SAT I Mean Scores	
	Number	Percent	Male	Female	Verbal	Math
Agriculture or Natural Resources	17,064	2	49	51	491	487
Architecture or Environmental Design	25,285	2	63	37	494	524
Arts: Visual and Performing	70,323	7	42	58	520	502
Biological Sciences	58,135	6	37	63	545	546
Business and Commerce	139,057	14	52	48	484	505
Communications	41,119	4	36	64	523	501
Computer or Information Sciences	48,625	5	76	24	500	529
Education	90,634	9	24	76	483	480
Engineering	87,944	9	81	19	525	571
Foreign or Classical Languages	5,261	1	26	74	552	538
General or Interdisciplinary	2,816	0	41	59	568	549
Health and Allied Services	179,786	18	28	72	497	505
Home Economics	3,668	0	17	83	458	459
Language and Literature	14,302	1	33	67	605	549
Library and Archival Sciences	369	0	50	50	547	525
Mathematics	5,394	1	55	45	552	629
Military Sciences	4,938	0	81	19	504	507
Philosophy, Religion, or Theology	5,512	1	61	39	558	538
Physical Sciences	14,411	1	61	39	571	592
Public Affairs and Services	28,292	3	50	50	459	453
Social Sciences and History	108,306	11	31	69	531	512
Technical and Vocational	10,154	1	67	33	440	448
Undecided	64,650	6	53	47	510	520
<b>Degree-Level Goal</b>						
Certificate Program	13,649	1	54	46	436	447
Associate's Degree	16,766	2	43	57	421	419
Bachelor's Degree	238,072	23	50	50	475	480
Master's Degree	318,068	31	46	54	513	523
Doctoral or Related Degree	240,741	23	40	60	548	554
Other	6,315	1	44	56	435	446
Undecided	195,633	19	45	55	505	510
<b>Plans for Advanced Standing in College Courses</b>						
Art	45,346	4	43	57	499	500
Biology	119,588	12	43	57	565	575
Chemistry	82,654	8	53	47	570	604
Computer Science	40,560	4	72	28	525	559
English	254,436	25	37	63	574	566
Foreign Languages	152,997	15	37	63	559	566
Humanities	24,869	2	41	59	557	546
Mathematics	231,623	23	51	49	562	602
Music	43,986	4	44	56	503	504
Physics	67,499	7	63	37	583	625
Social Studies	183,217	18	47	53	584	580
None of These	477,590	47	45	55	473	475

**Table  
6**

**1998 Profile of College-Bound Seniors  
Score Distributions SAT I: Reasoning Test  
NATIONAL**

**Verbal**

Score Ranges	Number of			Percent		
	Males	Females	Total	Male	Female	Total
750-800	10,217	9,561	19,778	2	2	2
700-740	17,493	16,742	34,235	3	3	3
650-690	34,836	35,218	70,054	6	6	6
600-640	58,675	63,400	122,075	11	10	10
550-590	78,116	88,465	166,581	14	14	14
500-540	95,759	114,100	209,859	18	18	18
450-490	93,033	114,068	207,101	17	18	18
400-440	69,293	85,484	154,777	13	14	13
350-390	45,904	57,652	103,556	8	9	9
300-340	22,965	27,704	50,669	4	4	4
250-290	9,900	11,780	21,680	2	2	2
200-240	5,771	6,643	12,414	1	1	1

**Math**

Score Ranges	Number of			Percent		
	Males	Females	Total	Male	Female	Total
750-800	14,702	5,854	20,556	3	1	2
700-740	28,742	15,949	44,691	5	3	4
650-690	48,591	34,970	83,461	9	6	7
600-640	68,612	60,374	128,986	13	10	11
550-590	83,072	87,331	170,403	15	14	15
500-540	88,727	105,352	194,079	16	17	17
450-490	81,806	112,838	194,644	15	18	17
400-440	61,314	94,305	155,619	11	15	13
350-390	38,717	65,314	104,031	7	10	9
300-340	17,518	30,543	48,061	3	5	4
250-290	7,336	13,038	20,374	1	2	2
200-240	2,825	5,049	7,874	1	1	1

**Number of**

	Males	Females	Total
Number	541,962	630,817	1,172,779
Mean	509	502	505
Standard Deviation	112	109	111
<b>Percentile</b>			
75th	580	580	580
50th (Median)	510	500	500
25th	430	430	430

**Number of**

	Males	Females	Total
Number	541,962	630,817	1,172,779
Mean	531	496	512
Standard Deviation	114	108	112
<b>Percentile</b>			
75th	610	570	590
50th (Median)	530	490	510
25th	450	420	430

**Table  
7-1**

**1998 Profile of College-Bound Seniors  
Score Distributions SAT II: Subject Tests  
NATIONAL**

Students who took one or more different SAT II: Subject Tests.										
			Number of Subject Tests		Number		Percent			
			1		14,713		6			
			2		29,210		13			
			3		129,422		56			
			4 or more		56,318		25			

Score Ranges	SAT II: Subject Tests		English		Literature		History and Social Studies			
	Average		Writing				American History		World History	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
750-800	5,389	2	10,097	5	2,552	6	3,801	6	410	6
700-740	17,022	7	16,712	8	5,309	12	5,807	9	505	8
650-690	32,905	14	25,055	12	7,398	16	9,053	15	776	12
600-640	46,329	20	32,836	16	8,192	18	10,825	18	995	15
550-590	48,549	21	34,006	16	6,873	15	10,765	18	1,088	16
500-540	39,767	17	35,314	17	6,201	14	8,994	15	1,027	16
450-490	24,838	11	26,330	13	4,840	11	6,591	11	895	14
400-440	10,907	5	16,210	8	2,668	6	3,926	6	623	9
350-390	3,343	1	7,816	4	1,169	3	1,309	2	268	4
300-340	579	0	2,336	1	289	1	162	0	30	0
250-290	31	0	248	0	24	0	4	0	1	0
200-240	4	0	10	0						
Number	229,663		206,970		45,515		61,237		6,618	
Mean	583		569		591		588		569	
Standard Deviation	87		106		103		101		108	
Percentile										
75th	650		650		670		660		650	
50th (Median)	590		570		600		590		560	
25th	520		490		520		510		490	

**Students Who Also Have SAT I Scores**

Number	221,490	201,916	44,062	59,912	6,345
<b>Verbal</b>					
Mean	593	598	611	611	626
Standard Deviation	103	102	100	97	108
<b>Math</b>					
Mean	613	616	593	611	620
Standard Deviation	97	96	94	93	101

**Points to Note:**

- Includes scores placed on hold by students and not released.
- All scores for SAT II: Writing Test are on the scale used April 1995 through March 1998.

**Table  
7-2**

**1998 Profile of College-Bound Seniors  
Score Distributions SAT II: Subject Tests (Continued)  
NATIONAL**

Score Ranges	Math						Science					
	Math Level I		Math Level IC		Math Level IIC		Biology		Chemistry		Physics	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
750-800	419	2	2,428	2	13,795	18	2,522	5	4,118	9	3,805	15
700-740	1,662	8	9,080	7	11,322	14	5,386	11	5,427	12	3,625	14
650-690	2,967	14	19,174	16	14,576	19	8,662	18	6,956	15	4,665	18
600-640	3,663	17	22,186	18	15,828	20	9,254	19	8,618	19	4,960	20
550-590	4,268	20	24,412	20	12,756	16	8,430	18	7,840	17	3,948	16
500-540	3,580	17	20,184	16	7,008	9	6,367	13	6,877	15	2,622	10
450-490	2,771	13	14,854	12	2,398	3	4,092	9	4,476	10	1,279	5
400-440	1,307	6	7,876	6	656	1	2,012	4	1,823	4	370	1
350-390	612	3	2,721	2	113	0	754	2	342	1	25	0
300-340	190	1	559	0	33	0	224	0	10	0		
250-290	18	0	15	0			19	0				
200-240												
Number	21,457		123,489		78,485		47,722		46,487		25,299	
Mean	569		574		649		600		606		639	
Standard Deviation	96		92		90		95		98		92	
Percentile												
75th	640		640		720		670		680		710	
50th (Median)	570		580		650		610		600		640	
25th	500		510		580		540		530		570	
<b>Students Who Also Have SAT I Scores</b>												
Number	20,499		120,494		76,248		46,508		44,996		24,065	
Verbal												
Mean	578		578		632		622		621		622	
Standard Deviation	101		100		98		94		100		100	
Math												
Mean	596		597		675		637		664		684	
Standard Deviation	93		91		78		90		85		78	

**Point to Note:** Includes scores placed on hold by students and not released.

**Table  
7-3**

**1998 Profile of College-Bound Seniors**  
**Score Distributions SAT II: Subject Tests (Continued)**  
**NATIONAL**

Score Ranges	Foreign and Classical Languages											
	Chinese with Listening		French		French with Listening		German		German with Listening		Modern Hebrew	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
750-800	2,825	72	1,721	14	308	11	204	22	105	12	91	12
700-740	468	12	1,214	10	272	10	94	10	119	13	71	9
650-690	251	6	1,518	12	379	13	88	9	59	7	93	12
600-640	168	4	1,796	14	435	15	114	12	114	13	112	14
550-590	86	2	1,798	14	479	17	108	11	97	11	108	14
500-540	51	1	1,840	15	492	17	101	11	124	14	127	16
450-490	41	1	1,352	11	324	11	103	11	130	14	71	9
400-440	18	0	849	7	117	4	80	9	98	11	58	7
350-390	7	0	295	2	38	1	35	4	38	4	22	3
300-340	3	0	25	0	5	0	12	1	18	2	13	2
250-290							2	0	5	1	2	0
200-240											6	1
Number	3,918		12,408		2,849		941		907		774	
Mean	749		600		599		607		574		586	
Standard Deviation	73		115		106		134		128		123	
Percentile												
75th	800		690		680		730		690		680	
50th (Median)	780		600		590		610		560		590	
25th	740		510		520		500		470		500	
<b>Students Who Also Have SAT I Scores</b>												
Number	3,720		12,073		2,757		895		864		755	
<b>Verbal</b>												
Mean	505		627		631		617		630		634	
Standard Deviation	135		97		91		101		97		95	
<b>Math</b>												
Mean	647		627		624		641		625		640	
Standard Deviation	97		88		87		93		88		88	

**Point to Note:** Includes scores placed on hold by students and not released.



**Table  
7-4**

**1998 Profile of College-Bound Seniors**  
**Score Distributions SAT II: Subject Tests (Continued)**  
**NATIONAL**

Score Ranges	Foreign and Classical Languages (Continued)									
	Italian		Japanese with Listening		Latin		Spanish		Spanish with Listening	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
750-800	141	28	418	39	259	9	3,914	16	833	16
700-740	63	13	129	12	341	12	2,362	9	609	12
650-690	62	13	90	8	358	13	2,798	11	597	11
600-640	83	17	89	8	385	14	3,213	13	707	13
550-590	48	10	78	7	499	18	3,540	14	739	14
500-540	41	8	71	7	442	16	3,591	14	663	13
450-490	24	5	75	7	337	12	2,749	11	528	10
400-440	22	4	63	6	162	6	1,947	8	350	7
350-390	6	1	26	2	22	1	753	3	198	4
300-340	1	0	22	2			218	1	54	1
250-290	4	1	8	1			65	0	1	0
200-240			1	0			5	0		
Number	495		1,070		2,805		25,155		5,279	
Mean	648		651		597		596		603	
Standard Deviation	118		142		104		123		121	
Percentile										
75th	750		770		680		690		710	
50th (Median)	660		700		590		590		610	
25th	570		550		510		500		510	
<b>Students Who Also Have SAT I Scores</b>										
Number	478		1,027		2,771		24,470		5,117	
<b>Verbal</b>										
Mean	573		551		654		583		580	
Standard Deviation	101		119		87		107		106	
<b>Math</b>										
Mean	577		639		656		594		583	
Standard Deviation	98		91		83		103		101	

Point to Note: Includes scores placed on hold by students and not released.

**Table  
8**

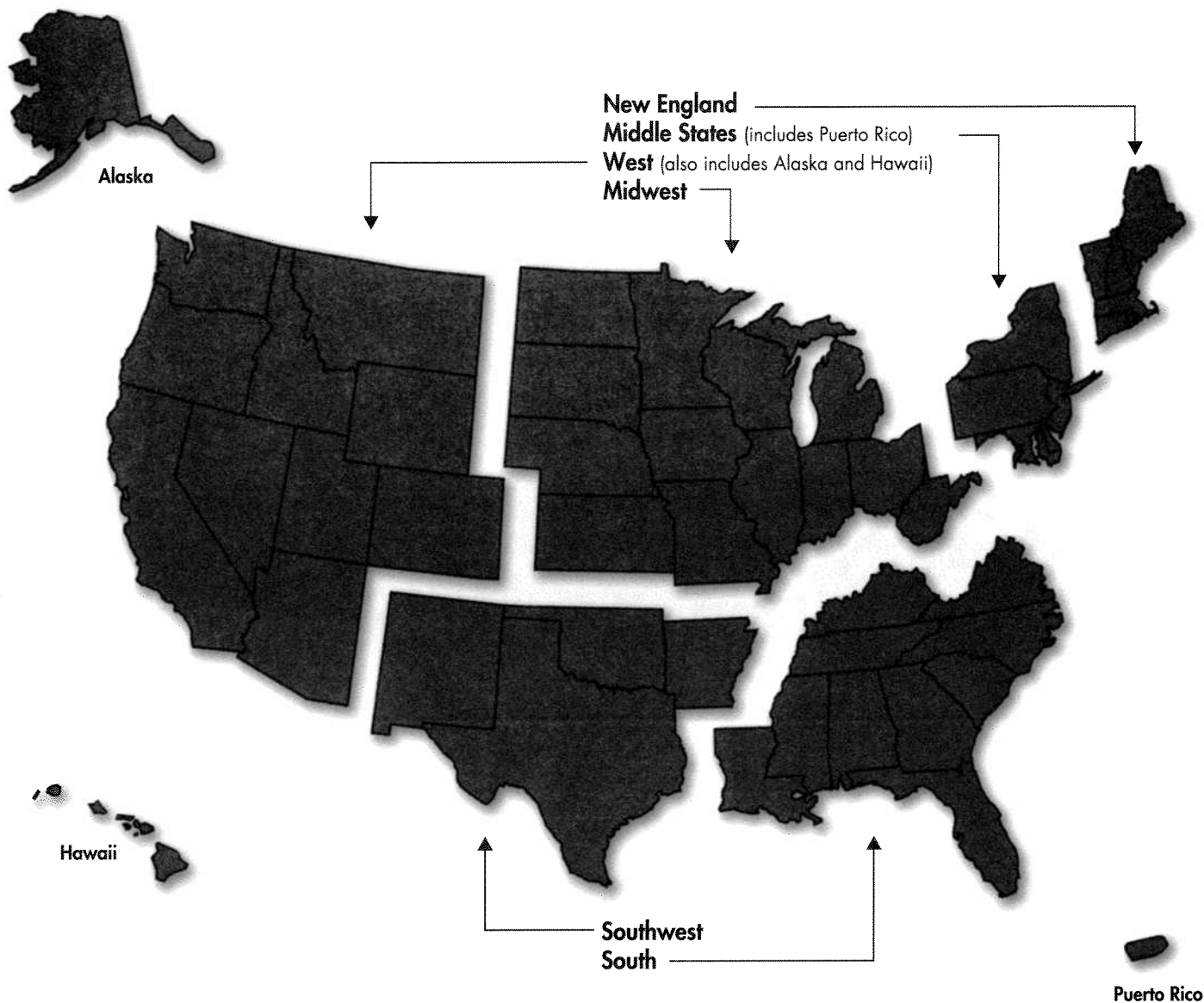
**1998 Profile of College-Bound Seniors  
High School Information  
NATIONAL**

Size of Senior Class	SAT I Test Takers		Percent		SAT I Mean Scores	
	Number	Percent	Male	Female	Verbal	Math
More than 1,000	3,047	0	48	52	536	559
750 - 1,000	17,134	2	45	55	501	523
500 - 749	111,576	10	45	55	503	518
250 - 499	445,809	41	46	54	507	516
100 - 249	362,231	33	47	53	505	507
Fewer than 100	157,694	14	46	54	516	514
Unknown	75,288					
<b>Type of High School</b>						
Public	918,196	83	45	55	502	509
Religiously Affiliated	135,781	12	50	50	525	517
Independent	56,338	5	53	47	548	563
Other or Unknown	62,464					
<b>Location of High School</b>						
Large City	251,220	23	46	54	492	501
Medium-size City	146,553	13	46	54	507	511
Small City or Town	209,141	19	46	54	505	507
Suburban	372,117	34	47	53	522	532
Rural	124,012	11	45	55	496	495
Unknown	69,736					
Within U.S.	1,127,850	96	46	54	506	510
Outside U.S.	30,848	3	52	48	500	548
Unknown	14,081	1	56	44	472	583

Point to Note: Charter, Correspondence, and Home Schools are included in Type of High School as Other or Unknown.



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