



2007 College-Bound Seniors

State Profile Report

MASSACHUSETTS

Included in this Report

SAT Reasoning Test™ Data

SAT Subject Tests™ Data

Demographic and Academic Information

College Plans

The SAT® Program

The SAT Reasoning Test™ (formerly known as the SAT® I: Reasoning Test) assesses student reasoning based on knowledge and skills developed by the students in their course work. The SAT Subject Tests™ (formerly known as SAT II: Subject Tests) are a series of one-hour, mostly multiple-choice tests that measure how much students know about a particular academic subject and how well they can apply that knowledge. Most students also complete the optional SAT Questionnaire (formerly known as the Student Descriptive Questionnaire) when they register to take SAT Program tests, providing valuable contextual information to aid in interpreting and understanding individual and group scores. *College-Bound Seniors 2007* includes students who tested through March 2007.

Using This Report

College-Bound Seniors presents data for high school graduates in the year 2007 who participated in the SAT Program. Students are counted only once, no matter how often they tested, and only their latest scores and most recent SAT Questionnaire responses are summarized. Because the accuracy of self-reported information has been documented and the college-bound population is relatively stable from year to year, SAT Questionnaire 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 Reasoning Test and in schoolwork.
- not all students in a high school, school district, or state take the SAT Reasoning Test. Since the population of test-takers is self-selected, using aggregate SAT Reasoning Test 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 Reasoning Test scores for subgroups requires unique considerations. The most significant factor to consider in interpreting SAT Reasoning Test 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 Reasoning Test mean scores reported for students will be higher than the national average.

Statistical Definitions

The following terms are used throughout this report. For more statistical information, visit the College Board Web site at www.collegeboard.com.

Mean

The *mean* is the arithmetic average.

Percentile

The *percentile*, also called the percentile point, is the point on the measurement scale below which a specified percentage of scores falls. The 25th, 50th, and 75th percentile points are often reported for large data sets. The 50th percentile point is also called the median and, like the mean, is an average and a good indicator of the center of the distribution of scores. Comparing the 25th and 75th percentile points gives an idea of the range of scores in the populations reported in this document. Like the standard deviation, the difference between the scores associated with the 75th and 25th percentiles is an indication of the variability of the scores in a particular sample.

Scaled score

A *scaled score* is a score that has been converted from the raw score (number of questions answered correctly minus a fraction of the incorrect answers) for reporting. The SAT Program uses the 200–800 scale.

Standard deviation (SD)

The *standard deviation* (SD) is a measure of the variability of a set of scores. If test scores cluster tightly around the mean score, as they do when the group tested is relatively homogeneous, the standard deviation is smaller than it would be with a more diverse group and a greater scatter of scores around the mean.

The College Board: Connecting Students to College Success

The College Board is a not-for-profit membership association whose mission is to connect students to college success and opportunity. Founded in 1900, the association is composed of more than 5,200 schools, colleges, universities, and other educational organizations. Each year, the College Board serves seven million students and their parents, 23,000 high schools, and 3,500 colleges through major programs and services in college admissions, guidance, assessment, financial aid, enrollment, and teaching and learning. Among its best-known programs are the SAT®, the PSAT/NMSQT®, and the Advanced Placement Program® (AP®). The College Board is committed to the principles of excellence and equity, and that commitment is embodied in all of its programs, services, activities, and concerns.

A note about changes to the SAT Questionnaire:

In the 2006-2007 academic year, changes to the SAT Questionnaire were made. Sections of this report most notably affected by this change are Course-Taking Patterns and Intended College Major. For complete details on the changes please visit www.collegeboard.com/cbs.

Total Group Mean SAT Reasoning Test Scores

College-Bound Seniors, 1972–2007

Year	Critical Reading			Mathematics			Writing		
	Male	Female	Total	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	-	-	-
1999	509	502	505	531	495	511	-	-	-
2000	507	504	505	533	498	514	-	-	-
2001	509	502	506	533	498	514	-	-	-
2002	507	502	504	534	500	516	-	-	-
2003	512	503	507	537	503	519	-	-	-
2004	512	504	508	537	501	518	-	-	-
2005	513	505	508	538	504	520	-	-	-
2006	505	502	503	536	502	518	491	502	497
2007	504	502	502	533	499	515	489	500	494

NOTE: 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. From 1996–1999, nearly all students received scores on the recentered scale. Any score on the original scale was converted to the recentered scale prior to computing the mean. From 2000–2007, all scores are reported on the recentered scale.

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SAT Reasoning Test™ Data

Data in this report are for high school graduates in the year 2007. Information is summarized for seniors who took the SAT Reasoning Test™ at any time during their high school years through March 2007. If a student took the test more than once, the most recent score is used.

Table 1: Overall Mean Scores

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing*	
	Number	Mean	SD	Mean	SD	Mean	SD
Total	60,962	513	114	522	115	511	113

Table 2: Mean Scores by Gender

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing	
	Number	Mean	SD	Mean	SD	Mean	SD
Male	28,752	516	115	541	115	507	114
Female	32,037	511	113	506	111	515	113
No Response**	173	392	94	393	91	388	92

Table 3: Year in Which Seniors Last Took the SAT Reasoning Test

Scores are from the last administration in which seniors took the SAT Reasoning Test.

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing	
	Number	Mean	SD	Mean	SD	Mean	SD
Senior	46,115	504	109	514	110	504	109
Junior	14,705	539	125	545	126	532	123
Sophomore	134	618	125	620	120	612	123
Freshman	8	613		610			
Total	60,962	513	114	522	115	511	113

Table 4: Mean Scores for Total Group

Mean scores for the total group may serve as points of reference when evaluating mean scores for the state.

SAT Reasoning Test	Test-Takers	Critical Reading		Mathematics		Writing	
	Number	Mean	SD	Mean	SD	Mean	SD
Total Group	1,494,531	502	113	515	114	494	109

*Writing data are based on students who took the current version of the SAT Reasoning Test, first administered in March 2005. Of the 60,962 students in this report, 60,938 students have scores on the SAT writing section.

**'No Response' indicates that students did not answer that question, did not complete the SAT Questionnaire, or stated that they did not wish to answer that question on their SAT Questionnaire.

NOTE: Mean scores are reported when there are 5 or more test-takers. Standard deviations are reported when there are 25 or more test-takers.

SAT Reasoning Test Data

Table 5: Percentiles for State and Total Group

A percentile represents the point below which a percentage of scores fall. Comparing the 25th percentile point to the 75th percentile point gives an idea of the range of performance in a group.

SAT Reasoning Test Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	590	600	590	580	590	570
50th	510	520	510	500	510	490
25th	430	440	430	430	430	420

Table 6: Score Distributions

SAT Reasoning Test Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
750–800	801	804	1,605	1,099	549	1,648	548	688	1,236
700–749	1,116	1,204	2,320	1,489	946	2,435	1,077	1,399	2,477
650–699	2,030	2,022	4,054	3,172	2,307	5,480	1,964	2,340	4,305
600–649	3,368	3,403	6,775	3,665	3,064	6,730	2,952	3,380	6,334
550–599	3,926	4,251	8,182	4,421	4,482	8,910	3,832	4,535	8,369
500–549	4,822	5,386	10,217	4,732	5,318	10,064	4,705	5,306	10,023
450–499	4,682	5,467	10,176	4,090	5,532	9,643	4,818	5,420	10,267
400–449	3,960	4,736	8,729	3,105	4,680	7,823	4,035	4,328	8,395
350–399	2,247	2,700	4,985	1,734	2,953	4,729	2,760	2,751	5,548
300–349	1,088	1,325	2,446	771	1,418	2,217	1,310	1,224	2,565
250–299	492	468	973	305	525	838	471	414	898
200–249	220	271	500	169	263	445	266	242	521

Table 7: Type of High School

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	49,605	83	46	54	505	516	501
Religiously Affiliated	6,227	10	53	47	533	528	537
Independent	4,234	7	51	49	590	596	593
Other or Unknown	896						

Table 8: Test-Taking Conditions

SAT Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Standard Conditions	58,072	95	514	114	523	114	512	113
Nonstandard Conditions	2,890	5	489	116	494	122	486	115

NOTE: Percentiles are reported when there are 20 or more test-takers.

Demographic Information

SAT Reasoning Test: Mean Scores by Gender Within Ethnicity

Table 9: Total Mean Scores by Ethnicity

SAT Reasoning Test Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	368	1	475	101	486	103	471	106
Asian, Asian American, or Pacific Islander	3,488	6	514	136	577	129	513	136
Black or African American	3,529	6	430	102	427	103	426	102
Mexican or Mexican American	160	0	521	120	516	110	504	119
Puerto Rican	915	2	430	97	435	95	424	94
Other Hispanic, Latino, or Latin American	2,400	4	440	108	448	105	436	106
White	42,672	70	527	106	534	106	525	105
Other	1,825	3	496	122	495	118	495	119
No Response	5,605	9	515	130	515	127	508	128
Total	60,962	100	513	114	522	115	511	113

Table 10: Male Mean Scores by Ethnicity

SAT Reasoning Test Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	178	0	474	103	505	103	466	109
Asian, Asian American, or Pacific Islander	1,727	3	513	135	592	130	507	135
Black or African American	1,556	3	426	103	437	106	417	101
Mexican or Mexican American	75	0	525	126	540	107	502	126
Puerto Rican	360	1	433	98	450	100	419	91
Other Hispanic, Latino, or Latin American	1,001	2	445	107	471	108	434	107
White	20,354	33	530	106	552	106	520	106
Other	748	1	503	124	518	117	496	120
No Response	2,753	5	515	129	530	128	502	128
Total	28,752	47	516	115	541	115	507	114

Table 11: Female Mean Scores by Ethnicity

SAT Reasoning Test Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	188	0	477	100	470	100	477	103
Asian, Asian American, or Pacific Islander	1,758	3	516	136	563	127	519	136
Black or African American	1,949	3	433	102	421	100	434	103
Mexican or Mexican American	84	0	518	114	496	107	506	114
Puerto Rican	551	1	429	95	426	91	427	95
Other Hispanic, Latino, or Latin American	1,392	2	437	108	432	100	437	105
White	22,278	37	524	105	517	102	530	104
Other	1,068	2	491	120	479	116	495	119
No Response	2,769	5	518	130	503	124	519	127
Total	32,037	53	511	113	506	111	515	113

Demographic Information

SAT Reasoning Test: Student Background Information and Characteristics

Table 12: Student Background Information and Characteristics

Student demographic information provides a broader context to aid in interpreting and understanding individual and group scores.

SAT Reasoning Test	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
All Test-Takers	60,962	100	513	114	522	115	511	113
First Language Learned								
English	47,116	82	524	108	529	109	521	108
English and Another	6,302	11	482	118	496	124	479	118
Another Language	4,171	7	460	129	507	138	463	131
No Response	3,373							
Citizenship								
U.S. Citizen / U.S. National	51,692	95	518	110	525	111	516	110
U.S. Permanent Resident or Refugee	1,730	3	449	135	491	138	452	132
Citizen of Another Country	730	1	478	136	567	147	487	137
Other, Unknown, or No Response	6,810							
Disabling Condition								
Yes	4,860	8	483	112	485	114	475	109
Unknown or No Response	56,102							
Plans to Apply for Financial Aid								
Yes	38,875	73	504	108	512	109	501	107
No	3,835	7	564	114	576	112	568	112
Don't Know	10,349	20	533	116	546	115	531	116
Family Income								
Less than \$10,000	1,317	4	413	105	434	110	408	103
\$10,000–\$20,000	2,169	6	456	110	468	109	450	106
\$20,000–\$30,000	1,566	4	454	102	459	104	445	100
\$30,000–\$40,000	2,558	7	479	104	484	102	474	101
\$40,000–\$50,000	2,390	7	491	99	498	102	485	98
\$50,000–\$60,000	2,952	8	498	102	505	102	493	100
\$60,000–\$70,000	2,998	9	505	100	509	102	501	101
\$70,000–\$80,000	3,351	10	507	101	514	100	505	98
\$80,000–\$100,000	5,671	16	521	105	531	104	520	102
More than \$100,000	10,109	29	554	109	566	109	555	107
No Response	25,881							
Highest Level of Parental Education								
No High School Diploma	1,900	4	416	102	443	109	410	100
High School Diploma	15,438	28	468	96	478	99	464	95
Associate Degree	5,062	9	484	94	491	97	480	95
Bachelor's Degree	16,566	31	526	102	535	104	525	101
Graduate Degree	15,267	28	576	111	582	111	576	108
Took the PSAT/NMSQT®								
Yes, As a Junior	19,654	40	507	107	515	107	506	105
Yes, As a Sophomore or Younger	7,920	16	525	109	535	112	523	108
Yes, As a Junior and As a Sophomore or Younger	12,089	24	550	103	560	101	553	101
No	9,983	20	480	119	487	120	470	118

Academic Information

Academic Record

Table 13: High School Rank

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Top Tenth	6,863	26	43	57	602	618	604
Second Tenth	6,431	25	45	55	537	554	538
Second Fifth	5,474	21	48	51	502	515	500
Final Three Fifths	7,320	28	52	47	454	461	450
No Response	34,874						

Table 14: High School Grade Point Average

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
A+ (97–100)	1,074	2	40	60	622	632	626
A (93–96)	5,556	10	38	62	600	614	604
A- (90–92)	9,137	17	40	60	573	586	573
B (80–89)	30,001	55	47	53	503	512	502
C (70–79)	8,656	16	57	43	435	440	427
D, E, or F (below 70)	329	1	63	36	416	412	401
No Response	6,209						
Mean Grade Point Average	All Students: 3.11		Male: 3.03		Female: 3.19		

Table 15: Average Years of Study in Six Academic Subjects

SAT Reasoning Test	Average Years of Study			Grade Point Average: Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	1.8	2.1	1.9	3.61	3.78	3.70
English	3.9	3.9	3.9	3.04	3.28	3.17
Foreign and Classical Languages	3.0	3.2	3.1	2.99	3.27	3.14
Mathematics	3.9	3.8	3.9	3.04	3.04	3.04
Natural Sciences	3.7	3.6	3.6	3.08	3.14	3.11
Social Sciences and History	3.7	3.7	3.7	3.21	3.27	3.24
Total for All Subjects	20.0	20.3	20.1			

Table 16: Total Years of Study in Combined Six Academic Subjects

Total years of study is calculated by combining the number of years that students studied each of the following subjects during high school: Arts and Music, English, Foreign and Classical Languages, Mathematics, Natural Sciences, and Social Sciences and History. 'Incomplete Response' denotes the number of test-takers who did not respond to all six subjects.

SAT Reasoning Test	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
20 or More Years	28,993	62	43	57	547	553	546
19 or 19.5 Years	5,129	11	52	47	498	510	496
18 or 18.5 Years	4,089	9	48	52	482	492	480
17 or 17.5 Years	2,620	6	48	52	466	475	462
16 or 16.5 Years	2,182	5	48	52	452	462	443
15 or 15.5 Years	1,601	3	47	53	456	463	450
Less than 15 Years	2,119	5	49	50	432	446	423
Incomplete Response	14,229						

Academic Information

Course-Taking Patterns

Table 17: English, Mathematics

English	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	3,013	6	43	57	534	535	531
4 Years	40,873	81	47	53	520	529	519
3 Years	5,679	11	43	56	478	485	475
2 Years	404	1	52	48	480	506	478
1 Year	123	0	52	47	462	493	457
1/2 Year or Less	129	0	50	50	449	461	439
No Response	10,741						
Course Work or Experience							
American Literature	39,348	92	46	54	529	535	527
Composition	28,967	67	45	55	534	538	532
British Literature	18,062	42	45	55	551	552	549
World Literature*	14,374	33	44	56	539	541	536
English As Second Language	1,911	4	42	58	429	488	436
AP®/Honors Courses	18,269	36	39	61	578	576	578

Mathematics	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	4,315	9	52	48	534	570	533
4 Years	36,286	72	47	53	523	532	522
3 Years	8,984	18	41	59	482	474	476
2 Years	461	1	49	51	484	488	476
1 Year	115	0	49	50	465	485	462
1/2 Year or Less	124	0	47	53	455	449	441
No Response	10,677						
Course Work or Experience							
Algebra	48,615	98	46	54	516	524	514
Geometry	47,529	95	46	54	517	525	515
Trigonometry	20,895	42	48	52	545	562	544
Precalculus	26,977	54	47	53	554	574	555
Calculus	14,878	30	50	50	582	614	584
Other Math Courses	11,847	24	45	54	509	518	507
AP/Honors Courses	15,759	31	48	52	581	609	583

*The SAT Questionnaire was revised in July 2006 to more accurately reflect course titles that students are familiar with. Prior to July 2006, this course was labeled 'Literature, Other Country.' Users should exercise caution when comparing data for this course to last year's and next year's cohorts as it reflects responses to both labels depending on when a student filled out the SAT Questionnaire.

Academic Information

Course-Taking Patterns

Table 18: Natural Sciences, Social Sciences and History

Natural Sciences	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	3,293	7	48	52	548	570	545
4 Years	29,536	59	47	53	528	539	528
3 Years	14,276	29	44	56	494	495	491
2 Years	1,859	4	48	52	474	479	469
1 Year	508	1	50	50	456	467	446
1/2 Year or Less	385	1	40	59	427	434	418
No Response	11,105						
Course Work or Experience							
Biology	48,151	97	46	54	518	526	516
Chemistry	45,111	91	46	54	523	532	521
Physics	30,900	62	50	49	536	553	535
Geology, Earth, or Space Science	23,469	47	46	54	505	511	502
Other Sciences	22,501	46	41	59	511	516	510
AP/Honors Courses	16,091	32	45	55	584	600	584

Social Sciences and History	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	3,285	7	48	52	547	547	541
4 Years	30,182	60	47	52	527	533	525
3 Years	14,628	29	43	57	493	505	491
2 Years	1,586	3	46	53	483	502	484
1 Year	262	1	48	51	450	485	442
1/2 Year or Less	202	0	43	57	441	445	426
No Response	10,817						
Course Work or Experience							
U.S. History	47,652	96	46	54	518	526	516
World History or Cultures	41,869	85	46	54	520	529	518
U.S. Government or Civics	16,445	33	47	53	509	514	506
Economics	7,388	15	57	43	527	545	525
Geography	5,484	11	46	54	485	493	483
Psychology	17,902	36	36	64	521	522	520
European History	15,947	32	48	52	546	549	543
Sociology	8,164	17	37	63	504	504	501
Ancient History	10,163	21	49	51	533	536	528
Other Courses	12,929	26	45	55	523	528	521
AP/Honors Courses	18,639	37	44	56	579	582	578

Academic Information

Course-Taking Patterns

Table 19: Foreign and Classical Languages

Foreign and Classical Languages	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	2,810	6	40	60	574	579	577
4 Years	17,431	35	41	59	560	566	563
3 Years	16,313	33	47	53	511	522	509
2 Years	9,785	20	53	47	466	476	458
1 Year	1,348	3	52	47	425	439	416
1/2 Year or Less	2,170	4	52	47	418	430	402
No Response	11,105						
Course Work or Experience							
Chinese	1,092	2	48	52	536	584	531
French	11,586	23	40	59	543	545	540
German	1,156	2	55	45	554	554	543
Greek	366	1	47	53	569	562	568
Hebrew	406	1	42	58	603	598	602
Italian	1,654	3	41	59	503	508	502
Japanese	319	1	47	53	537	563	532
Korean	128	0	41	59	532	608	540
Latin	7,099	14	47	53	567	570	564
Russian	356	1	42	57	532	545	528
Spanish	32,845	66	46	54	512	520	511
Other Languages	1,675	3	42	57	476	488	472
AP/Honors Courses	14,398	29	39	61	586	593	590

Academic Information

Course-Taking Patterns

Table 20: Arts and Music, Computers

Arts and Music	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	1,817	4	39	61	545	543	542
4 Years	9,484	20	37	63	552	551	551
3 Years	5,822	12	39	61	526	527	525
2 Years	8,832	18	46	54	518	527	517
1 Year	9,379	20	50	50	510	521	508
1/2 Year or Less	12,678	26	52	47	487	504	484
No Response	12,950						
Course Work or Experience							
Acting or Play Production	7,330	18	34	66	551	536	546
Art History or Appreciation	6,642	16	40	59	521	519	518
Dance	4,517	11	10	90	504	501	509
Drama: Study or Appreciation	5,536	14	33	67	539	525	536
Music: Study or Appreciation	5,979	15	52	48	542	539	538
Music Performance	12,162	30	41	59	543	543	541
Photography or Film	8,860	22	40	60	526	527	523
Studio Art and Design	11,930	29	38	61	528	531	526
None	9,917	24	55	45	475	493	472
AP/Honors Courses	4,016	8	39	61	585	585	585

Computers	Test-Takers		Percent by Gender		SAT Reasoning Test Mean Scores		
Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	25,615	59	47	53	517	525	515
Computer Programming	7,474	17	60	40	513	534	509
Word Processing	27,754	64	46	54	518	524	515
Internet Activity	20,112	46	48	52	521	529	518
Using Computer Graphics	13,490	31	52	48	519	531	516
Creating Spreadsheets/Databases	13,018	30	49	51	525	537	523
None	7,127	16	37	62	525	528	525

SAT Subject Tests™ Data

Table 21: Number of Test-Takers and Tests for SAT Subject Tests

Students Who Took SAT Subject Tests		Students Who Took an SAT Subject Test and Also Took the SAT Reasoning Test			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
16,698	42,689	16,439	613	626	615

Students Who Took One or More Different SAT Subject Tests		
Number of Tests Taken	Number of Test-Takers	Percent of Total Test-Takers Who Took One or More Tests
1	1,858	11
2	6,710	40
3	5,859	35
4 or More	2,271	14

Table 22: Mean Scores for SAT Subject Tests and for Students Who Also Took the SAT Reasoning Test

Most, but not all, students who take SAT Subject Tests also take the SAT Reasoning Test. This table provides SAT Subject Test scores for students who took SAT Subject Tests. It also provides the SAT Reasoning Test scores for those students who also took the SAT Reasoning Test.

	SAT Subject Test			SAT Reasoning Test						
	N	Mean	SD	N	Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
English										
Writing*	84	634	107	81	660	86	650	92	669	85
Literature	6,851	608	100	6,762	627	97	606	92	625	94
History and Social Studies										
U.S. History	6,586	613	99	6,516	636	91	626	89	631	88
World History	729	612	106	708	643	98	625	97	632	94
Mathematics										
Mathematics Level 1	8,750	607	89	8,650	593	97	616	87	601	95
Mathematics Level 2	5,727	670	91	5,670	637	99	684	77	639	93
Science										
Biology-E	2,182	607	95	2,132	627	96	635	92	627	92
Biology-M	2,678	634	90	2,647	640	90	656	85	640	86
Chemistry	3,431	632	100	3,399	633	99	675	83	635	92
Physics	1,518	651	92	1,508	636	98	694	77	635	91
Foreign and Classical Languages										
Chinese/Listening	164	754	74	163	583	158	684	87	587	139
French	881	629	107	874	650	97	636	89	655	89
French/Listening	316	634	101	313	646	90	635	83	649	81
German	43	605	117	42	661	74	662	84	650	70
German/Listening	54	589	104	53	637	74	629	76	639	73
Modern Hebrew	39	686	124	39	670	97	687	78	669	81
Italian	48	626	102	47	603	101	591	90	619	94
Japanese/Listening	60	652	136	60	604	116	658	86	606	116
Korean/Listening	57	783	69	56	555	113	697	68	578	108
Latin	483	626	103	479	676	88	669	83	677	81
Spanish	1,627	614	112	1,616	617	102	618	97	627	101
Spanish/Listening	381	607	103	380	614	95	606	89	621	95

*After the January 2005 administration, the SAT Subject Test in Writing was no longer administered because the SAT Reasoning Test now includes the writing section; 2007 is the last year for which scores for the SAT Subject Test in Writing will be reported.

SAT Subject Tests Score Distributions

Table 23: English, History and Social Studies

SAT Subject Tests	English				History and Social Studies			
	Writing		Literature		U.S. History		World History	
	N	Pct	N	Pct	N	Pct	N	Pct
750–800	15	18	493	7	594	9	92	13
700–749	14	17	1,004	15	904	14	92	13
650–699	9	11	1,254	18	1,089	17	97	13
600–649	14	17	1,136	17	1,146	17	122	17
550–599	11	13	1,128	16	1,081	16	126	17
500–549	12	14	836	12	962	15	94	13
450–499	7	8	556	8	505	8	61	8
400–449	1	1	292	4	206	3	28	4
350–399	1	1	118	2	80	1	17	2
300–349			32	0	17	0		
250–299			2	0	2	0		
200–249								
Total	84		6,851		6,586		729	
Mean	634		608		613		612	
SD	107		100		99		106	
75th percentile	740		680		690		700	
50th percentile	630		610		620		610	
25th percentile	540		540		540		530	

Table 24: Mathematics, Science

SAT Subject Tests	Mathematics				Science							
	Mathematics Level 1		Mathematics Level 2		Biology-E		Biology-M		Chemistry		Physics	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750–800	302	3	1,466	26	151	7	279	10	503	15	259	17
700–749	1,212	14	1,039	18	249	11	470	18	535	16	271	18
650–699	1,635	19	919	16	422	19	553	21	611	18	302	20
600–649	2,064	24	1,060	19	424	19	496	19	565	16	271	18
550–599	1,436	16	714	12	385	18	425	16	499	15	197	13
500–549	1,053	12	344	6	264	12	254	9	375	11	130	9
450–499	600	7	131	2	174	8	139	5	214	6	68	4
400–449	301	3	44	1	78	4	47	2	104	3	19	1
350–399	113	1	9	0	23	1	14	1	25	1	1	0
300–349	29	0	1	0	11	1	1	0				
250–299	5	0			1	0						
200–249												
Total	8,750		5,727		2,182		2,678		3,431		1,518	
Mean	607		670		607		634		632		651	
SD	89		91		95		90		100		92	
75th percentile	670		750		680		700		710		720	
50th percentile	620		670		610		640		640		660	
25th percentile	550		600		540		570		560		590	

SAT Subject Tests Score Distributions

Table 25: Foreign and Classical Languages

SAT Subject Tests	Foreign and Classical Languages											
	Chinese/Listening		French		French/Listening		German		German/Listening		Modern Hebrew	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750–800	126	77	150	17	50	16	6	14	3	6	16	41
700–749	12	7	121	14	51	16	7	16	7	13	6	15
650–699	13	8	157	18	58	18	6	14	9	17	4	10
600–649	5	3	105	12	43	14	5	12	6	11	3	8
550–599	2	1	145	16	48	15	5	12	8	15	4	10
500–549	4	2	89	10	35	11	4	9	9	17	2	5
450–499	1	1	69	8	17	5	6	14	9	17	2	5
400–449			33	4	11	3	3	7	1	2		
350–399	1	1	11	1	3	1	1	2	2	4	1	3
300–349			1	0							1	3
250–299												
200–249												
Total	164		881		316		43		54		39	
Mean	754		629		634		605		589		686	
SD	74		107		101		117		104		124	
75th percentile	800		720		710		700		670		800	
50th percentile	790		630		650		610		570		720	
25th percentile	750		550		560		490		500		580	

Table 26: Foreign and Classical Languages (continued)

SAT Subject Tests	Foreign and Classical Languages											
	Italian		Japanese/Listening		Korean/Listening		Latin		Spanish		Spanish/Listening	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750–800	5	10	23	38	54	95	70	14	216	13	40	10
700–749	7	15	7	12			78	16	230	14	38	10
650–699	13	27	4	7	1	2	82	17	251	15	69	18
600–649	9	19	6	10	1	2	56	12	225	14	80	21
550–599	5	10	1	2			72	15	228	14	49	13
500–549	2	4	9	15			61	13	220	14	43	11
450–499	4	8	7	12			49	10	150	9	37	10
400–449	1	2					11	2	62	4	16	4
350–399	1	2	2	3			4	1	32	2	6	2
300–349	1	2	1	2	1	2			8	0	2	1
250–299									5	0	1	0
200–249												
Total	48		60		57		483		1,627		381	
Mean	626		652		783		626		614		607	
SD	102		136		69		103		112		103	
75th percentile	690		790		800		710		710		680	
50th percentile	650		680		800		630		620		620	
25th percentile	550		510		790		540		530		530	

College Plans

Table 27: Intended College Major, Degree-Level Goal

SAT Reasoning Test Intended College Major	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
Agriculture, Agriculture Operations, and Related Sciences	181	1	483	471	470
Architecture and Related Services	891	2	493	538	490
Area, Ethnic, Cultural and Gender Studies	39	0	569	529	557
Biological and Biomedical Sciences	1,901	5	555	564	552
Business Management, Marketing, and Related Support Services	6,331	17	495	520	496
Communication, Journalism and Related Programs	1,412	4	529	509	530
Computer and Information Sciences and Support Services	1,115	3	516	544	497
Construction Trades	94	0	434	469	422
Education	2,561	7	488	483	490
Engineering	2,660	7	524	581	516
Engineering Technologies/Technicians	246	1	453	483	432
English Language and Literature/Letters	835	2	609	541	597
Family and Consumer Sciences/Human Sciences	98	0	468	474	467
Foreign Languages, Literatures, and Linguistics	375	1	599	567	596
Health Professions and Related Clinical Services	5,576	15	484	493	489
History	503	1	571	533	551
Legal Professions and Studies	657	2	525	514	524
Liberal Arts and Sciences, General Studies, and Humanities	271	1	522	513	518
Library Science/Librarianship	18	0	599	533	561
Mathematics and Statistics	373	1	553	634	555
Mechanic and Repair Technologies/Technician	191	1	428	455	410
Military Sciences	155	0	507	517	493
Multi/Interdisciplinary Studies	125	0	586	576	579
Natural Resources and Conservation	108	0	514	509	498
Parks, Recreation, Leisure and Fitness Studies	106	0	464	468	460
Personal and Culinary Services	179	0	460	453	445
Philosophy and Religious Studies	116	0	590	552	573
Physical Sciences	543	2	571	599	562
Precision Production	15	0	487	481	454
Psychology	1,356	4	519	504	515
Public Administration and Social Services Professions	225	1	521	493	515
Security and Protective Services	931	3	457	461	451
Social Sciences	1,093	3	578	552	564
Theology and Religious Vocations	41	0	556	515	553
Transportation and Materials Moving	39	0	480	485	466
Visual and Performing Arts	3,488	10	522	507	518
Other	162	0	448	445	435
Undecided	1,178	3	526	539	521
Degree-Level Goal					
Certificate Program	517	1	442	459	437
Associate Degree	577	1	413	420	409
Bachelor's Degree	13,840	26	478	488	474
Master's Degree	14,752	28	523	533	523
Doctoral or Related Degree	7,058	13	562	567	560
Other	246	0	435	445	436
Undecided	16,137	30	527	534	524

College Plans

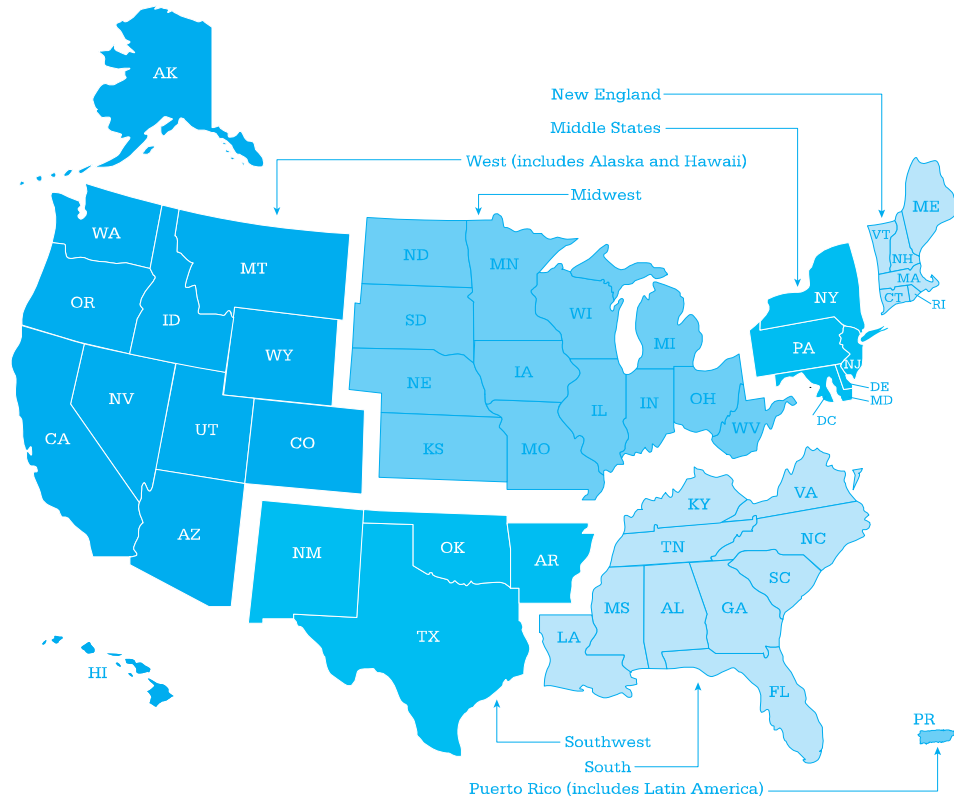
Table 28: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 61,221 students from your state who took the SAT Reasoning Test and/or an SAT Subject Test, 45,423 designated that their score reports be sent to institutions. Students may designate more than one institution to receive scores. This list includes only the 45 institutions that received the most score reports. A total of 2,109 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
UNIVERSITY OF MASSACHUSETTS AMHERST	MA	Public	16,612	36.6
NORTHEASTERN UNIVERSITY	MA	Private	9,734	21.4
BOSTON UNIVERSITY	MA	Private	7,893	17.4
BOSTON COLLEGE	MA	Private	6,418	14.1
UNIVERSITY OF MASSACHUSETTS DARTMOUTH	MA	Public	6,366	14.0
BRIDGEWATER STATE COLLEGE	MA	Public	5,546	12.2
UNIVERSITY OF NEW HAMPSHIRE DURHAM	NH	Public	4,699	10.3
UNIVERSITY OF MASSACHUSETTS LOWELL	MA	Public	4,508	9.9
SALEM STATE COLLEGE	MA	Public	4,462	9.8
WESTFIELD STATE COLLEGE	MA	Public	4,270	9.4
UNIVERSITY OF MASSACHUSETTS BOSTON	MA	Public	3,801	8.4
UNIVERSITY OF VERMONT	VT	Public	3,713	8.2
TUFTS UNIVERSITY	MA	Private	3,661	8.1
SUFFOLK UNIVERSITY	MA	Private	3,647	8.0
UNIVERSITY OF CONNECTICUT	CT	Public	3,432	7.6
UNIVERSITY OF RHODE ISLAND	RI	Public	3,284	7.2
FRAMINGHAM STATE COLLEGE	MA	Public	3,129	6.9
WORCESTER STATE COLLEGE	MA	Public	2,996	6.6
FITCHBURG STATE COLLEGE	MA	Public	2,865	6.3
ROGER WILLIAMS UNIVERSITY	RI	Private	2,738	6.0
BROWN UNIVERSITY	RI	Private	2,710	6.0
QUINNIPIAC UNIVERSITY	CT	Private	2,704	6.0
STONEHILL COLLEGE	MA	Private	2,679	5.9
PROVIDENCE COLLEGE	RI	Private	2,657	5.8
BENTLEY COLLEGE	MA	Private	2,640	5.8
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	2,446	5.4
NEW YORK UNIVERSITY	NY	Private	2,365	5.2
SYRACUSE UNIVERSITY	NY	Private	2,345	5.2
ASSUMPTION COLLEGE	MA	Private	2,319	5.1
WORCESTER POLYTECHNIC INSTITUTE	MA	Private	2,302	5.1
MERRIMACK COLLEGE	MA	Private	2,212	4.9
CORNELL UNIVERSITY	NY	Private	2,089	4.6
ENDICOTT COLLEGE	MA	Private	2,018	4.4
BRYANT UNIVERSITY	RI	Private	2,017	4.4
SALVE REGINA UNIVERSITY	RI	Private	1,919	4.2
FAIRFIELD UNIVERSITY	CT	Private	1,898	4.2
COLLEGE OF THE HOLY CROSS	MA	Private	1,785	3.9
SAINT ANSELM COLLEGE	NH	Private	1,777	3.9
CURRY COLLEGE	MA	Private	1,761	3.9
EMMANUEL COLLEGE	MA	Private	1,647	3.6
GEORGE WASHINGTON UNIVERSITY	DC	Private	1,558	3.4
DARTMOUTH COLLEGE	NH	Private	1,496	3.3
CLARK UNIVERSITY	MA	Private	1,493	3.3
BRANDEIS UNIVERSITY	MA	Private	1,488	3.3
EMERSON COLLEGE	MA	Private	1,473	3.2

*Of your students who designated that their SAT Reasoning Test and/or SAT Subject Test score reports be sent to institutions, the 'Percent of Score Senders' indicates the percent of those students who had their scores sent to each institution listed.

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Mailing address:
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787 764-4306 (Fax - Director's office)

International Education Office

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Washington Office

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