

SAT[®]

2014 College-Bound Seniors

State Profile Report



MASSACHUSETTS

Included in This Report

SAT[®] Data

SAT Subject Tests[™] Data

Demographic and Academic Information

College Plans

DATA EMBARGO IN EFFECT *This report contains information on college-bound students in the class of 2014 who took the SAT[®] or SAT Subject Tests[™] at any time during high school. **Data and other information in this report are embargoed from dissemination to the media and general public until Oct. 7, 2014 when the College Board will make state and total group-level data and information publicly available.** You may use the data and other information in this report for internal purposes prior to the College-Bound Seniors press conference. If you have any questions about the embargo or the College Board national press conference, please contact the College Board communications department at communications@collegeboard.org.*

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The SAT® Program

The SAT® (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 2014 includes students who tested through June 2014.

Using This Report

College-Bound Seniors presents data on high school graduates in the year 2014 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.
- 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 and in schoolwork.
- Not all students in a high school, school district or state take the SAT. Since the population of test-takers is self-selected, using aggregate SAT 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 scores for subgroups requires unique considerations. The most significant factor to consider in interpreting SAT 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 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 website at www.collegeboard.org.

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- to 800-point 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.

About the College Board

The College Board is a mission-driven not-for-profit organization that connects students to college success and opportunity. Founded in 1900, the College Board was created to expand access to higher education. Today, the membership association is made up of over 6,000 of the world's leading educational institutions and is dedicated to promoting excellence and equity in education. Each year, the College Board helps more than seven million students prepare for a successful transition to college through programs and services in college readiness and college success — including the SAT® and the Advanced Placement Program® (AP®). The organization also serves the education community through research and advocacy on behalf of students, educators and schools. For further information, visit www.collegeboard.org.

Total Group Mean SAT Scores

College-Bound Seniors, 1972–2014

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	503	500	501	532	499	514	487	499	493
2008	502	499	500	532	499	514	486	499	493
2009	502	497	499	533	498	514	485	498	492
2010	502	498	500	533	499	515	485	497	491
2011	500	495	497	531	500	514	482	496	489
2012	498	493	496	532	499	514	481	494	488
2013	499	494	496	531	499	514	482	493	488
2014	499	495	497	530	499	513	481	492	487

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 2000–2014, all scores are reported on the recentered scale. Cohort data presented prior to 2007 include students testing through March of the senior year, while cohort data from 2007 to present include students testing through June. For further information see www.collegeboard.org/cbs.

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SAT[®] Data

Data in this report are for high school graduates in the year 2014. Information is summarized for seniors who took the SAT at any time during their high school years through June 2014. If a student took the test more than once, the most recent score is used.

Table 1: Overall Mean Scores

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing *		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total	60,451	516	115	531	117	509	117	50.7	11.8	7.3	1.6

Table 2: Mean Scores by Gender

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Male	28,664	521	117	547	119	504	119	50.4	11.9	7.2	1.7
Female	31,787	512	113	516	113	513	116	50.9	11.7	7.5	1.5

Table 3: Year in Which Seniors Last Took the SAT

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

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Senior (2013-2014)	44,880	504	110	521	113	497	111	49.4	11.2	7.3	1.6
Junior (2012-2013)	15,511	550	122	559	123	543	126	54.2	12.7	7.6	1.6
Sophomore (2011-2012)	53	608	106	621	116	615	116	61.0	11.5	8.5	1.4
Freshman (2010-2011)	7	546		634		557		56.1		7.6	
Total	60,451	516	115	531	117	509	117	50.7	11.8	7.3	1.6

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	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total Group	1,672,395	497	115	513	120	487	115	48.9	11.6	7.0	1.7

*Writing data are based on students who took the current version of the SAT, first administered in March 2005. All students in the 2014 cohort took the SAT writing section. The writing section contains one essay (30 percent of the total score) and 49 multiple-choice questions (70 percent of the total score). Essay scores range from 2-12, with a very small percentage of students (less than 0.3 percent) receiving scores of 0 on the essay, for essays written completely off topic. Multiple-choice scores range from 20 to 80.

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

SAT 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 Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	590	610	590	570	600	560
50th	510	530	500	490	510	480
25th	440	450	430	420	430	410

Table 6: Score Distributions

The score ranges in the following table reflect SAT Skills Insight™, a resource that identifies skills demonstrated by typical students who score in each range. For more information and resources for educators and students, please visit www.collegeboard.org/sat-skills.

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	2,022	1,818	3,840	3,233	1,898	5,131	1,797	2,052	3,849
600-690	5,571	5,685	11,256	6,989	6,005	12,994	4,804	5,736	10,540
500-590	9,048	9,923	18,971	8,964	10,216	19,180	7,998	9,389	17,387
400-490	7,982	9,530	17,512	6,691	9,333	16,024	8,847	9,767	18,614
300-390	3,265	4,044	7,309	2,258	3,640	5,898	4,288	4,088	8,376
200-290	776	787	1,563	529	695	1,224	930	755	1,685

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	49,761	83	46	54	507	523	498
Religiously Affiliated	5,545	9	54	46	539	549	540
Independent	4,365	7	50	50	589	611	592
Other or Unknown	780		46	54	490	487	475

Table 8: Test-Taking Conditions

Nonstandard conditions reflect test-takers who received an accommodation. *Disabling conditions* are self-reported student responses.

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
Disabling Conditions	4,894	8	487	111	490	113	470	109
Nonstandard Conditions	3,798	6	493	121	497	126	482	122

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

Demographic Information

SAT: Mean Scores by Gender Within Ethnicity

Table 9: Total Mean Scores by Ethnicity

SAT 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	189	0	505	98	508	111	488	108
Asian, Asian American, or Pacific Islander	5,021	8	529	136	605	124	538	141
Black or African American	4,716	8	432	103	441	103	424	100
Mexican or Mexican American	262	0	500	121	508	114	493	121
Puerto Rican	1,551	3	419	103	431	104	410	100
Other Hispanic, Latino, or Latin American	3,606	6	444	110	458	109	435	109
White	41,831	69	535	104	545	106	526	107
Other	1,991	3	506	131	515	127	499	130
No Response	1,284	2	484	125	485	122	468	123
Total	60,451	100	516	115	531	117	509	117

Table 10: Male Mean Scores by Ethnicity

SAT 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	90	0	507	91	530	107	483	104
Asian, Asian American, or Pacific Islander	2,373	4	526	138	617	125	528	145
Black or African American	2,263	4	431	104	449	109	414	99
Mexican or Mexican American	121	0	498	117	527	113	485	116
Puerto Rican	656	1	426	109	450	109	405	101
Other Hispanic, Latino, or Latin American	1,620	3	453	114	479	115	434	113
White	20,016	33	540	106	562	108	522	109
Other	836	1	508	133	532	131	496	134
No Response	689	1	486	125	495	122	463	122
Total	28,664	47	521	117	547	119	504	119

Table 11: Female Mean Scores by Ethnicity

SAT 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	99	0	503	105	488	110	492	111
Asian, Asian American, or Pacific Islander	2,648	4	530	134	594	121	546	137
Black or African American	2,453	4	434	102	434	98	433	100
Mexican or Mexican American	141	0	502	124	491	112	500	124
Puerto Rican	895	1	414	98	417	98	414	100
Other Hispanic, Latino, or Latin American	1,986	3	435	106	441	100	435	106
White	21,815	36	531	102	529	102	531	105
Other	1,155	2	504	130	502	123	502	127
No Response	595	1	482	126	473	121	474	124
Total	31,787	53	512	113	516	113	513	116

Demographic Information

SAT: 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	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
All Test-Takers	60,451	100	516	115	531	117	509	117
First Language Learned								
English	46,221	78	528	107	536	109	518	110
English and Another	7,255	12	491	126	513	132	487	131
Another Language	5,687	10	457	131	517	144	465	137
No Response	1,288		490	133	503	132	481	131
Citizenship								
U.S. Citizen / U.S. National	54,573	95	523	111	534	113	514	114
U.S. Permanent Resident or Refugee	1,858	3	455	135	501	140	459	138
Citizen of Another Country	1,152	2	488	125	596	134	511	133
Other, Unknown, or No Response	2,868		436	124	471	136	430	127
Plans to Apply for Financial Aid								
Yes	39,948	77	513	107	525	109	504	109
No	3,315	6	571	114	595	113	572	117
Don't Know	8,361	16	543	117	563	119	538	120
No Response	8,827		485	135	506	135	478	136
Family Income								
\$0 - \$20,000	3,007	9	432	105	453	109	424	104
\$20,000–\$40,000	3,573	11	471	103	486	107	461	104
\$40,000–\$60,000	3,793	11	494	100	506	103	482	100
\$60,000–\$80,000	4,363	13	511	98	520	101	499	100
\$80,000–\$100,000	4,268	13	518	101	530	102	507	101
\$100,000–\$120,000	4,139	12	530	99	542	101	521	102
\$120,000–\$140,000	2,471	7	538	101	551	103	529	102
\$140,000–\$160,000	1,979	6	547	99	560	103	538	101
\$160,000–\$200,000	2,460	7	554	102	571	104	549	105
More than \$200,000	3,592	11	586	103	606	104	588	105
No Response	26,806		516	123	532	124	510	125
Highest Level of Parental Education								
No High School Diploma	2,329	4	414	102	453	116	412	102
High School Diploma	14,299	25	466	98	482	103	455	98
Associate Degree	4,826	9	487	93	497	97	475	94
Bachelor's Degree	19,268	34	533	101	548	104	526	103
Graduate Degree	15,934	28	583	109	594	111	578	112
No Response	3,795		438	114	456	114	430	112
Took the PSAT/NMSQT®								
Yes, As a Junior	18,827	35	521	111	534	113	514	113
Yes, As a Sophomore or Younger	10,009	18	517	107	530	111	507	109
Yes, As a Junior and As a Sophomore or Younger	17,752	33	550	106	566	106	547	107
No	7,663	14	471	112	485	116	456	113
No Response	6,200		457	128	478	131	449	127

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Academic Record

Table 13: High School Rank

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Highest Tenth	6,106	30	43	57	606	630	607
Second Tenth	5,306	26	46	54	538	562	532
Second Fifth	4,053	20	50	50	507	526	498
Final Three Fifths	4,925	24	53	47	455	464	441
No Response	40,061		47	53	508	521	500

Table 14: High School Grade Point Average

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
A+ (97–100)	1,533	3	42	58	618	634	617
A (93–96)	7,465	14	39	61	594	616	597
A- (90–92)	11,300	21	41	59	561	582	560
B (80–89)	28,257	51	49	51	496	510	487
C (70–79)	6,225	11	60	40	429	436	412
D, E, or F (below 70)	263	0	63	37	407	404	384
No Response	5,408		53	47	492	500	477
Mean Grade Point Average	All Students: 3.24		Male: 3.16		Female: 3.32		

Table 15: Average Years of Study in Six Academic Subjects

SAT	Average Years of Study			Grade Point Average: Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	2.0	2.4	2.2	3.62	3.81	3.72
English and Language Arts	3.9	3.9	3.9	3.19	3.43	3.32
Foreign and Classical Languages	3.0	3.2	3.1	3.14	3.39	3.27
Mathematics	4.0	3.9	4.0	3.18	3.21	3.20
Natural Sciences	3.7	3.7	3.7	3.21	3.27	3.24
Social Sciences and History	3.7	3.7	3.7	3.31	3.38	3.34
Total for All Subjects	20.3	20.8	20.6			

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 16: English, Mathematics

English and Language Arts		Test-Takers		Percent by Gender		SAT Mean Scores		
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	5,516	11	45	55	539	553	536	
4 Years	36,722	76	47	53	529	543	521	
3 Years	4,623	10	45	55	478	491	470	
2 Years	735	2	46	54	472	500	467	
1 Year	323	1	48	52	463	484	456	
1/2 Year or Less	474	1	52	48	445	459	432	
No Response	12,058		51	49	487	506	479	
AP@/Honors Courses	21,731	45	39	61	571	578	566	
Course Work or Experience								
English/Language Arts	42,734	96	46	54	524	537	517	
Journalism	3,946	9	41	59	519	523	517	
Creative Writing	11,525	26	41	59	527	530	520	
American Literature	27,549	62	45	55	535	546	528	
Composition/Writing	20,817	47	45	55	523	534	517	
British Literature	10,869	25	43	57	548	554	541	
World Literature	13,353	30	46	54	538	547	530	
Communications	2,604	6	48	52	498	515	495	
Public Speaking	6,473	15	45	55	533	545	529	
English As Second Language	2,071	5	44	56	439	505	448	

Mathematics		Test-Takers		Percent by Gender		SAT Mean Scores		
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	7,519	16	49	51	543	573	539	
4 Years	33,843	70	46	54	528	540	521	
3 Years	5,603	12	44	56	485	487	473	
2 Years	618	1	50	50	471	502	467	
1 Year	306	1	51	49	453	476	444	
1/2 Year or Less	512	1	46	54	447	452	435	
No Response	12,050		51	49	487	506	479	
AP/Honors Courses	19,840	41	47	53	573	606	570	
Highest Level of Mathematics Achieved*								
Calculus	17,242	37	50	50	579	616	577	
Pre-calculus	14,639	32	44	56	516	526	508	
Geometry	12,670	28	44	56	462	453	448	
Algebra II	598	1	48	52	458	455	447	
Algebra I	199	0	55	45	441	426	429	

*To better reflect the relationship between students' SAT scores and their Mathematics course work, course work is now being displayed as the highest level of mathematics achieved. This means that each student is counted only once under their highest level of mathematics course taken.

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 17: Natural Sciences, Social Sciences and History

Natural Sciences	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	5,798	12	46	54	550	576	547	
4 Years	27,435	58	47	53	536	550	529	
3 Years	10,612	22	45	55	497	505	488	
2 Years	1,854	4	52	48	487	497	472	
1 Year	857	2	51	49	486	505	472	
1/2 Year or Less	1,037	2	46	54	445	458	434	
No Response	12,858		51	49	486	505	478	
AP/Honors Courses	19,778	42	45	55	577	600	573	
Course Work or Experience								
Biology	43,975	98	46	54	524	538	517	
Chemistry	41,878	93	46	54	528	543	522	
Physics	32,064	71	49	51	538	559	532	
Geology, Earth, or Space Science	16,661	37	46	54	516	524	507	
Other Sciences	19,512	43	41	59	516	526	508	

Social Sciences and History	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	5,066	11	47	53	545	557	539	
4 Years	27,538	57	47	53	535	546	528	
3 Years	12,854	27	44	56	501	520	493	
2 Years	1,511	3	48	52	488	510	480	
1 Year	475	1	51	49	465	497	458	
1/2 Year or Less	613	1	48	52	437	453	426	
No Response	12,394		51	49	486	505	479	
AP/Honors Courses	21,780	45	45	55	573	584	567	
Course Work or Experience								
U.S. History	43,268	97	46	54	524	538	517	
World History or Cultures	36,048	81	46	54	528	542	521	
U.S. Government or Civics	13,299	30	48	52	522	529	512	
Economics	7,230	16	59	41	542	567	537	
Geography	3,626	8	50	50	500	515	496	
Psychology	17,670	40	35	65	530	538	525	
European History	11,858	27	50	50	555	562	547	
Sociology	7,281	16	36	64	510	515	502	
Ancient History	6,228	14	50	50	545	553	537	
Other Courses	8,499	19	45	55	526	533	517	

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 18: Foreign and Classical Languages

Foreign and Classical Languages Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	4,256	9	42	58	567	583	568
4 Years	16,109	34	42	58	563	577	563
3 Years	14,487	30	48	52	519	535	511
2 Years	9,126	19	52	48	477	487	461
1 Year	1,189	2	48	52	451	467	434
1/2 Year or Less	2,615	5	50	50	436	453	417
No Response	12,669		51	49	486	504	477
AP/Honors Courses	15,146	32	40	60	581	597	581
Course Work or Experience							
Chinese	1,820	4	50	50	551	592	551
French	8,629	19	39	61	550	554	541
German	871	2	55	45	563	566	547
Greek	293	1	47	53	589	594	579
Hebrew	150	0	43	57	593	579	591
Italian	1,506	3	42	58	507	517	500
Japanese	203	0	57	43	545	582	535
Korean	56	0	43	57	499	567	503
Latin	5,615	13	46	54	568	576	557
Russian	185	0	51	49	559	573	553
Spanish	29,161	65	46	54	519	533	513
Other Languages	1,631	4	40	60	493	506	486

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

Academic Information

Course-Taking Patterns

Table 19: Arts and Music, Computers

Arts and Music	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	3,058	7	38	62	549	557	543	
4 Years	10,029	22	38	62	553	558	547	
3 Years	6,556	14	42	58	524	535	519	
2 Years	9,277	20	48	52	522	539	516	
1 Year	7,196	16	51	49	518	538	511	
1/2 Year or Less	10,070	22	54	46	493	512	481	
No Response	14,265		51	49	491	510	483	
AP/Honors Courses	4,891	11	37	63	581	590	578	
Course Work or Experience								
Acting or Play Production	7,606	18	34	66	562	555	554	
Art History or Appreciation	5,814	13	41	59	526	529	519	
Dance	4,873	11	10	90	523	529	525	
Drama: Study or Appreciation	6,180	14	33	67	543	541	537	
Music: Study or Appreciation	6,567	15	53	47	552	555	543	
Music Performance	15,128	35	43	57	553	563	547	
Photography or Film	10,454	24	38	62	532	541	527	
Studio Art and Design	13,534	31	37	63	540	549	535	
None	9,427	22	58	42	488	510	477	
Computers								
Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
Computer Literacy	21,807	53	47	53	531	543	522	
Computer Programming	7,732	19	64	36	530	557	519	
Word Processing	19,807	48	46	54	534	544	525	
Internet Activity	16,723	40	47	53	535	546	526	
Using Computer Graphics	13,907	34	51	49	529	545	520	
Creating Spreadsheets/Databases	12,215	30	48	52	534	548	526	
None	9,388	23	39	61	515	529	511	

Note: Occasional updates are made to the optional Student Questionnaire to improve student response rates. Fluctuations from year to year should be interpreted with appropriate consideration.

SAT Subject Tests™ Data

Table 20: 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			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
14,422	38,042	14,166	624	649	626

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	1,699	12
2	5,503	38
3	4,646	32
4 or More	2,574	18

Table 21: Mean Scores for SAT Subject Test Takers and for Students Who Also Took the SAT

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

	SAT Subject Test			SAT						
	N	Mean	SD	N	Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
English										
Literature	4,749	629	97	4,681	647	92	630	86	642	92
History and Social Studies										
U.S. History	5,127	643	95	5,052	646	87	647	85	641	90
World History	767	620	105	746	663	87	655	87	653	89
Mathematics										
Mathematics Level 1	5,953	622	86	5,859	602	95	635	83	608	96
Mathematics Level 2	6,827	691	87	6,730	644	94	695	68	652	91
Science										
Biology-E	2,503	641	91	2,458	637	91	655	87	637	92
Biology-M	2,905	655	91	2,854	640	89	666	82	645	90
Chemistry	4,237	656	96	4,166	643	94	690	75	649	93
Physics	1,854	658	93	1,828	639	99	702	71	643	96
Foreign and Classical Languages										
Chinese/Listening	152	728	92	151	623	126	685	75	638	120
French	664	629	109	652	648	94	647	89	657	90
French/Listening	170	654	100	167	648	90	643	84	652	89
German	53	629	120	53	654	79	674	81	655	83
German/Listening	41	622	98	41	649	73	642	82	647	82
Modern Hebrew	36	652	129	33	656	84	657	90	674	83
Italian	37	656	141	36	609	106	616	91	606	115
Japanese/Listening	54	707	108	53	623	93	672	75	620	92
Korean/Listening	30	761	79	26	621	109	703	74	657	106
Latin	507	634	108	502	681	83	687	74	683	80
Spanish	1,197	620	110	1,177	627	104	634	99	637	106
Spanish/Listening	179	629	109	176	623	98	630	93	640	100

SAT Subject Tests Score Distributions

Table 22: English, History and Social Studies

SAT Subject Tests	English		History and Social Studies			
	Literature		U.S. History		World History	
	N	Pct	N	Pct	N	Pct
750-800	465	10	786	15	113	15
700-740	868	18	939	18	94	12
650-690	997	21	1,001	20	101	13
600-640	785	17	886	17	118	15
550-590	714	15	677	13	142	19
500-540	443	9	467	9	110	14
450-490	269	6	223	4	59	8
400-440	151	3	99	2	23	3
350-390	43	1	45	1	4	1
300-340	14	0	4	0	2	0
250-290					1	0
200-240						
Total	4,749		5,127		767	
Mean	629		643		620	
SD	97		95		105	
75th percentile	700		720		700	
50th percentile	640		650		610	
25th percentile	560		580		540	

Table 23: 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	393	7	2,358	35	322	13	522	18	921	22	416	22
700-740	949	16	1,203	18	443	18	541	19	747	18	294	16
650-690	1,231	21	1,139	17	527	21	569	20	718	17	331	18
600-640	1,188	20	1,066	16	483	19	541	19	679	16	335	18
550-590	1,037	17	676	10	362	14	370	13	546	13	241	13
500-540	682	11	306	4	216	9	226	8	378	9	149	8
450-490	313	5	63	1	81	3	89	3	166	4	67	4
400-440	111	2	11	0	50	2	26	1	70	2	17	1
350-390	40	1	2	0	10	0	13	0	12	0	4	0
300-340	9	0	3	0	8	0	8	0				
250-290					1	0						
200-240												
Total	5,953		6,827		2,503		2,905		4,237		1,854	
Mean	622		691		641		655		656		658	
SD	86		87		91		91		96		93	
75th percentile	690		770		710		730		740		730	
50th percentile	630		700		650		660		660		660	
25th percentile	560		620		580		590		580		590	

SAT Subject Tests Score Distributions

Table 24: 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	92	61	117	18	35	21	12	23	3	7	15	42
700-740	24	16	101	15	31	18	7	13	8	20	2	6
650-690	9	6	91	14	36	21	7	13	6	15	1	3
600-640	8	5	79	12	19	11	3	6	9	22	3	8
550-590	9	6	107	16	21	12	10	19	8	20	7	19
500-540	5	3	81	12	16	9	5	9	4	10	3	8
450-490	3	2	59	9	7	4	4	8	1	2	1	3
400-440	2	1	23	3	5	3	5	9	1	2	4	11
350-390			3	0								
300-340			3	0					1	2		
250-290												
200-240												
Total	152		664		170		53		41		36	
Mean	728		629		654		629		622		652	
SD	92		109		100		120		98		129	
75th percentile	800		720		720		730		690		780	
50th percentile	760		630		660		640		610		630	
25th percentile	700		540		580		540		560		550	

Table 25: 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	13	35	29	54	25	83	104	21	170	14	33	18
700-740	4	11	10	19	1	3	82	16	183	15	26	15
650-690	6	16	4	7	2	7	60	12	188	16	22	12
600-640	5	14	3	6			67	13	181	15	25	14
550-590	3	8	1	2	1	3	73	14	155	13	31	17
500-540			2	4			56	11	126	11	16	9
450-490	1	3	3	6			51	10	115	10	15	8
400-440	1	3	1	2	1	3	12	2	57	5	10	6
350-390	3	8	1	2			2	0	16	1	1	1
300-340	1	3							3	0		
250-290									2	0		
200-240									1	0		
Total	37		54		30		507		1,197		179	
Mean	656		707		761		634		620		629	
SD	141		108		79		108		110		109	
75th percentile	760		780		800		730		700		720	
50th percentile	680		750		790		640		630		630	
25th percentile	590		650		770		550		540		550	

College Plans

Table 26: Intended College Major, Degree-Level Goal

SAT Intended College Major	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
Agriculture, Agriculture Operations, and Related Sciences	369	1	498	490	481
Architecture and Related Services	646	1	503	533	491
Area, Ethnic, Cultural and Gender Studies	56	0	568	527	550
Biological and Biomedical Sciences	3,527	7	557	573	552
Business Management, Marketing, and Related Support Services	6,877	13	506	539	504
Communication, Journalism and Related Programs	1,356	3	534	518	533
Computer and Information Sciences and Support Services	1,371	3	539	571	516
Construction Trades	85	0	432	457	416
Education	2,808	5	495	497	494
Engineering	4,390	8	543	594	529
Engineering Technologies/Technicians	630	1	490	542	473
English Language and Literature/Letters	813	2	589	538	576
Family and Consumer Sciences/Human Sciences	132	0	474	487	475
Foreign Languages, Literatures, and Linguistics	336	1	599	582	592
Health Professions and Related Clinical Services	8,096	15	496	511	495
History	718	1	557	527	528
Legal Professions and Studies	1,122	2	531	530	523
Liberal Arts and Sciences, General Studies, and Humanities	627	1	568	557	561
Library Science And Administration	9	0	582	527	557
Mathematics and Statistics	522	1	568	647	574
Mechanic and Repair Technologies/Technician	114	0	426	451	401
Military Technologies And Applied Sciences	231	0	489	496	466
Multi/Interdisciplinary Studies	271	1	605	609	595
Natural Resources and Conservation	286	1	551	546	532
Parks, Recreation, Leisure and Fitness Studies	369	1	458	488	453
Personal and Culinary Services	256	0	448	457	431
Philosophy and Religious Studies	98	0	587	570	570
Physical Sciences	749	1	572	607	558
Precision Production	1	0			
Psychology	2,461	5	513	506	507
Public Administration and Social Services Professions	191	0	490	472	478
Security and Protective Services	2,064	4	459	467	446
Social Sciences	994	2	588	575	576
Theology and Religious Vocations	28	0	561	541	538
Transportation and Materials Moving	27	0	470	497	465
Visual and Performing Arts	3,316	6	524	515	510
Other	981	2	462	479	453
Undecided	5,663	11	554	569	548
Degree-Level Goal					
Certificate Program	422	1	442	460	430
Associate Degree	564	1	405	411	393
Bachelor's Degree	17,068	32	496	509	486
Master's Degree	16,088	31	529	545	523
Doctoral or Related Degree	8,229	16	562	576	558
Other	268	1	405	431	395
Undecided	9,941	19	530	542	521

College Plans

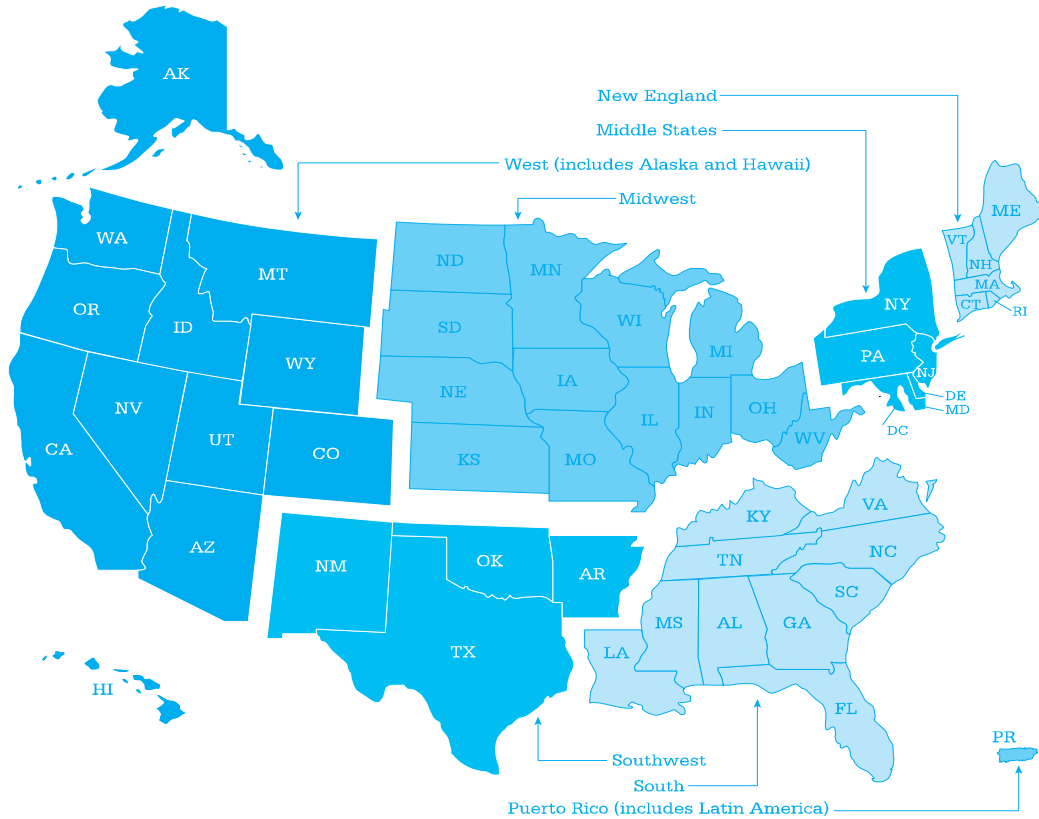
Table 27: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 60,707 students from your state who took the SAT and/or an SAT Subject Test, 48,733 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 1,904 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
University of Massachusetts Amherst	MA	Public	18,831	38.6
Northeastern University	MA	Private	9,032	18.5
University of Massachusetts Lowell	MA	Public	8,104	16.6
Boston University	MA	Private	6,742	13.8
University of Massachusetts Dartmouth	MA	Public	6,647	13.6
University of New Hampshire	NH	Public	6,507	13.4
Bridgewater State University	MA	Public	5,972	12.3
University of Massachusetts Boston	MA	Public	5,530	11.3
Salem State University	MA	Public	5,420	11.1
Westfield State University	MA	Public	4,736	9.7
University of Rhode Island	RI	Public	4,686	9.6
Framingham State University	MA	Public	4,659	9.6
University of Vermont	VT	Public	4,628	9.5
University of Connecticut	CT	Public	3,908	8.0
Quinnipiac University	CT	Private	3,784	7.8
Suffolk University	MA	Private	3,690	7.6
Boston College	MA	Private	3,607	7.4
Fitchburg State University	MA	Public	3,602	7.4
Worcester State University	MA	Public	3,579	7.3
Worcester Polytechnic Institute	MA	Private	3,050	6.3
Tufts University	MA	Private	2,812	5.8
Curry College	MA	Private	2,797	5.7
Merrimack College	MA	Private	2,614	5.4
Roger Williams University	RI	Private	2,566	5.3
Wentworth Institute of Technology	MA	Private	2,547	5.2
Harvard College	MA	Private	2,430	5.0
Brown University	RI	Private	2,391	4.9
Bentley University	MA	Private	2,351	4.8
Emmanuel College	MA	Private	2,212	4.5
University of Maine	ME	Public	2,145	4.4
Syracuse University	NY	Private	2,064	4.2
Cornell University	NY	Private	2,033	4.2
MCPHS University	MA	Private	1,968	4.0
Stonehill College	MA	Private	1,934	4.0
Endicott College	MA	Private	1,932	4.0
Western New England University	MA	Private	1,899	3.9
Providence College	RI	Private	1,868	3.8
New York University	NY	Private	1,861	3.8
Keene State College	NH	Public	1,818	3.7
Fordham University	NY	Private	1,800	3.7
NCAA Eligibility Center	IN	Public	1,787	3.7
Drexel University	PA	Private	1,663	3.4
Brandeis University	MA	Private	1,634	3.4
Bryant University	RI	Private	1,592	3.3
Plymouth State University	NH	Public	1,500	3.1

*Of your students who designated that their SAT 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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