



2013 College-Bound Seniors

# State Profile Report



OHIO

## Included in This Report

---

[SAT<sup>®</sup> Data](#)

[SAT Subject Tests<sup>™</sup> Data](#)

[Demographic and Academic Information](#)

[College Plans](#)

---

**DATA EMBARGO IN EFFECT** *This report contains information on college-bound students in the class of 2013 who took the SAT<sup>®</sup> or SAT Subject Tests<sup>™</sup> at any time during high school. **Data and other information in this report are embargoed from dissemination to the media and general public until the College Board's press conference in mid-September.** 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](mailto:communications@collegeboard.org).*

---

© 2013 The College Board. College Board, achieve more, Advanced Placement Program, AP, SAT and the acorn logo are registered trademarks of the College Board. SAT Subject Tests and Skills Insight are trademarks owned by the College Board. PSAT/NMSQT is a registered trademark of the College Board and National Merit Scholarship Corporation. Visit the College Board on the Web: [www.collegeboard.org](http://www.collegeboard.org).

# 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 2013 includes students who tested through June 2013.

## Using This Report

College-Bound Seniors presents data on high school graduates in the year 2013 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](http://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](http://www.collegeboard.org).

# Total Group Mean SAT Scores

## College-Bound Seniors, 1972–2013

<b>Year</b>	<b>Critical Reading</b>			<b>Mathematics</b>			<b>Writing</b>		
	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
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

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 2000–2013, 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](http://www.collegeboard.org/cbs).

# Table of Contents

## SAT®

SAT Data	Page 1
----------	--------

---

Table 1: Overall Mean Scores
Table 2: Mean Scores by Gender
Table 3: Year in Which Seniors Last Took the SAT
Table 4: Mean Scores for Total Group
Table 5: Percentiles for State and Total Group
Table 6: Score Distributions
Table 7: Type of High School

## Demographic Information

SAT: Mean Scores by Gender Within Ethnicity	Page 3
---	--------

---

Table 9: Total Mean Scores by Ethnicity
Table 10: Male Mean Scores by Ethnicity
Table 11: Female Mean Scores by Ethnicity

SAT: Student Background Information and Characteristics	Page 4
---	--------

---

Table 12: Student Background Information and Characteristics
--

## Academic Information

Academic Record	Page 5
-----------------	--------

---

Table 13: High School Rank
Table 14: High School Grade Point Average
Table 15: Average Years of Study in Six Academic Subjects

Course-Taking Patterns	Page 6
------------------------	--------

---

Table 16: English and Language Arts, Mathematics
Table 17: Natural Sciences, Social Sciences and History
Table 18: Foreign and Classical Languages
Table 19: Arts and Music, Computers

## SAT Subject Tests™

SAT Subject Tests Data	Page 10
------------------------	---------

---

Table 20: Number of Test-Takers and Tests for SAT Subject Tests
Table 21: Mean Scores for SAT Subject Test Takers and for Students Who Also Took the SAT

SAT Subject Tests Score Distributions	Page 11
---------------------------------------	---------

---

Table 22: English, History and Social Studies
Table 23: Mathematics, Science
Table 24: Foreign and Classical Languages
Table 25: Foreign and Classical Languages (continued)

## College Plans

Intended College Major, Degree-Level Goal	Page 13
---	---------

---

Table 26: Intended College Major, Degree-Level Goal
---

Institutions That Received the Most SAT® Program Score Reports from Your Students	Page 14
---	---------

---

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

## SAT® Data

Data in this report are for high school graduates in the year 2013. Information is summarized for seniors who took the SAT at any time during their high school years through June 2013. 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	22,205	548	104	556	107	531	104	53.6	10.7	7.4	1.5

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	10,388	554	105	575	107	528	106	53.5	10.7	7.2	1.5
Female	11,817	544	103	538	103	535	103	53.6	10.6	7.5	1.4

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 (2012-2013)	9,216	540	108	543	110	520	108	52.4	11.0	7.2	1.5
Junior (2011-2012)	12,816	555	101	565	103	540	101	54.4	10.3	7.5	1.4
Sophomore (2010-2011)	158	530	101	559	91	505	102	51.1	10.4	7.2	1.4
Freshman (2009-2010)	15	512		542		504		50.7		7.3	
Total	22,205	548	104	556	107	531	104	53.6	10.7	7.4	1.5

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	1,660,047	496	115	514	118	488	114	49.0	11.5	7.1	1.6

\*Writing data are based on students who took the current version of the SAT, first administered in March 2005. All students in the 2013 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	620	630	600	570	600	560
50th	550	550	530	490	510	480
25th	480	480	460	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](http://www.collegeboard.org/sat-skills).

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	971	886	1,857	1,365	781	2,146	621	756	1,377
600-690	2,676	2,710	5,386	3,296	2,785	6,081	2,134	2,526	4,660
500-590	3,707	4,390	8,097	3,377	4,204	7,581	3,547	4,287	7,834
400-490	2,359	3,026	5,385	1,815	3,089	4,904	3,027	3,222	6,249
300-390	591	697	1,288	472	829	1,301	949	928	1,877
200-290	84	108	192	63	129	192	110	98	208

### Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	14,998	71	46	54	545	556	525
Religiously Affiliated	5,194	25	51	49	554	553	543
Independent	961	5	46	54	599	617	602
Other or Unknown	1,052		41	59	525	506	501

### 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	1,235	6	511	109	510	108	487	104
Nonstandard Conditions	477	2	516	116	520	121	505	112

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	64	0	526	99	539	116	511	95
Asian, Asian American, or Pacific Islander	1,407	6	570	126	627	110	569	124
Black or African American	2,107	9	465	99	457	100	444	96
Mexican or Mexican American	154	1	536	102	536	112	511	107
Puerto Rican	140	1	518	100	517	98	507	98
Other Hispanic, Latino, or Latin American	291	1	552	102	548	101	531	104
White	16,947	76	558	97	564	98	540	98
Other	652	3	547	119	547	117	529	113
No Response	443	2	537	115	531	107	511	109
Total	22,205	100	548	104	556	107	531	104

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	34	0	535	96	546	123	499	105
Asian, Asian American, or Pacific Islander	664	3	581	126	645	106	572	124
Black or African American	851	4	466	103	470	106	438	100
Mexican or Mexican American	74	0	546	104	571	108	512	108
Puerto Rican	63	0	520	97	537	99	496	99
Other Hispanic, Latino, or Latin American	135	1	559	108	571	101	525	105
White	8,059	36	561	98	582	98	534	99
Other	269	1	557	122	581	117	535	113
No Response	239	1	537	113	542	105	500	106
Total	10,388	47	554	105	575	107	528	106

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	30	0	517	101	531	106	524	82
Asian, Asian American, or Pacific Islander	743	3	559	126	611	111	566	124
Black or African American	1,256	6	464	97	447	94	448	93
Mexican or Mexican American	80	0	527	100	504	105	510	105
Puerto Rican	77	0	516	103	501	94	516	96
Other Hispanic, Latino, or Latin American	156	1	545	97	527	97	536	103
White	8,888	40	554	95	547	95	545	96
Other	383	2	539	116	524	110	524	114
No Response	204	1	538	117	519	107	524	111
Total	11,817	53	544	103	538	103	535	103

## 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	22,205	100	548	104	556	107	531	104
<b>First Language Learned</b>								
English	19,339	90	549	101	553	104	530	102
English and Another	1,447	7	549	117	564	122	538	119
Another Language	820	4	512	137	587	129	518	130
No Response	599		580	106	579	107	562	109
<b>Citizenship</b>								
U.S. Citizen / U.S. National	20,797	97	550	102	555	105	532	103
U.S. Permanent Resident or Refugee	333	2	528	133	568	128	522	123
Citizen of Another Country	252	1	472	124	599	125	485	119
Other, Unknown, or No Response	823		537	122	555	122	524	120
<b>Plans to Apply for Financial Aid</b>								
Yes	14,704	77	544	104	549	107	526	104
No	1,326	7	556	96	572	101	545	97
Don't Know	3,072	16	555	105	570	104	541	104
No Response	3,103		556	108	568	108	542	107
<b>Family Income</b>								
\$0 - \$20,000	662	6	472	110	475	110	451	100
\$20,000–\$40,000	1,108	10	504	105	501	100	478	100
\$40,000–\$60,000	1,485	13	525	102	526	104	502	100
\$60,000–\$80,000	1,594	14	530	98	535	99	509	98
\$80,000–\$100,000	1,675	15	541	100	548	101	524	99
\$100,000–\$120,000	1,572	14	548	98	557	99	530	97
\$120,000–\$140,000	789	7	553	95	565	98	533	97
\$140,000–\$160,000	624	5	554	88	569	92	540	94
\$160,000–\$200,000	745	6	558	96	566	98	540	94
More than \$200,000	1,211	11	579	94	595	99	570	96
No Response	10,740		560	105	568	107	545	105
<b>Highest Level of Parental Education</b>								
No High School Diploma	179	1	448	116	473	126	436	116
High School Diploma	3,484	17	500	98	504	102	479	96
Associate Degree	1,507	7	508	97	514	98	486	95
Bachelor's Degree	8,199	39	551	95	560	98	534	95
Graduate Degree	7,456	36	586	101	593	103	571	102
No Response	1,380		505	103	516	101	492	100
<b>Took the PSAT/NMSQT®</b>								
Yes, As a Junior	6,443	32	547	101	556	103	530	101
Yes, As a Sophomore or Younger	3,937	20	538	97	547	102	521	96
Yes, As a Junior and As a Sophomore or Younger	6,382	32	586	98	591	101	572	99
No	3,319	17	495	98	497	100	470	94
No Response	2,124		543	109	556	108	531	108

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	4,324	43	44	56	612	629	601
Second Tenth	2,653	26	47	53	548	562	530
Second Fifth	1,663	17	51	49	514	525	496
Final Three Fifths	1,433	14	52	48	472	474	450
No Response	12,132		47	53	539	542	521

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)	2,513	12	41	59	621	634	610
A (93–96)	6,240	30	41	59	585	598	574
A- (90–92)	4,388	21	46	54	554	564	536
B (80–89)	6,730	32	52	48	499	503	478
C (70–79)	1,080	5	59	41	448	440	421
D, E, or F (below 70)	37	0	49	51	444	454	434
No Response	1,217		54	46	547	544	524
<b>Mean Grade Point Average</b>	<b>All Students: 3.58</b>		<b>Male: 3.52</b>		<b>Female: 3.64</b>		

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	2.3	2.8	2.5	3.82	3.92	3.88
English and Language Arts	3.9	4.0	4.0	3.47	3.68	3.58
Foreign and Classical Languages	3.1	3.3	3.2	3.38	3.56	3.48
Mathematics	4.1	4.1	4.1	3.44	3.45	3.45
Natural Sciences	3.8	3.8	3.8	3.48	3.49	3.49
Social Sciences and History	3.7	3.7	3.7	3.58	3.61	3.60
<b>Total for All Subjects</b>	<b>20.9</b>	<b>21.7</b>	<b>21.3</b>			

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 Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	2,063	11	44	56	568	576	551
4 Years	14,083	77	46	54	552	558	534
3 Years	1,816	10	44	56	503	514	486
2 Years	243	1	49	51	509	522	488
1 Year	77	0	47	53	519	528	504
1/2 Year or Less	102	1	49	51	454	473	433
No Response	3,821		51	49	550	560	537
AP®/Honors Courses	8,744	48	39	61	595	595	580
<b>Course Work or Experience</b>							
English/Language Arts	16,783	97	45	55	548	555	530
Journalism	1,524	9	34	66	545	537	533
Creative Writing	3,639	21	38	62	538	528	521
American Literature	11,679	68	44	56	553	557	536
Composition/Writing	8,646	50	45	55	546	549	529
British Literature	6,265	36	44	56	563	563	546
World Literature	6,039	35	42	58	553	555	535
Communications	1,852	11	45	55	529	535	514
Public Speaking	5,169	30	44	56	549	554	534
English As Second Language	529	3	40	60	464	527	464

Mathematics Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	5,132	28	48	52	584	611	568
4 Years	10,606	58	46	54	543	544	526
3 Years	2,268	12	41	59	495	486	474
2 Years	204	1	47	53	500	498	481
1 Year	79	0	47	53	510	540	500
1/2 Year or Less	110	1	52	48	465	472	442
No Response	3,806		51	49	550	559	537
AP/Honors Courses	8,879	48	47	53	592	617	577
<b>Highest Level of Mathematics Achieved*</b>							
Calculus	7,716	43	51	49	595	623	580
Pre-calculus	5,568	31	41	59	531	529	514
Geometry	4,093	23	41	59	489	468	466
Algebra II	168	1	40	60	481	469	464
Algebra I	40	0	35	65	461	411	440

\*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	3,058	17	47	53	585	607	569	
4 Years	10,340	57	46	54	554	560	537	
3 Years	3,873	21	44	56	514	512	495	
2 Years	555	3	53	47	520	527	495	
1 Year	235	1	47	53	510	521	491	
1/2 Year or Less	196	1	50	50	481	490	459	
No Response	3,948		51	49	550	558	536	
AP/Honors Courses	8,075	44	46	54	596	613	581	
<b>Course Work or Experience</b>								
Biology	17,089	98	45	55	549	555	531	
Chemistry	16,454	94	45	55	553	560	535	
Physics	12,551	72	48	52	564	578	548	
Geology, Earth, or Space Science	7,972	46	45	55	530	530	509	
Other Sciences	7,819	45	41	59	541	545	523	

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	2,153	12	47	53	578	584	559	
4 Years	10,399	57	46	54	556	561	539	
3 Years	4,825	26	45	55	526	537	509	
2 Years	639	3	48	52	506	521	486	
1 Year	144	1	53	47	511	529	492	
1/2 Year or Less	131	1	47	53	461	480	441	
No Response	3,914		51	49	549	558	535	
AP/Honors Courses	8,326	46	45	55	597	601	580	
<b>Course Work or Experience</b>								
U.S. History	16,617	96	45	55	550	557	532	
World History or Cultures	14,484	83	45	55	549	556	531	
U.S. Government or Civics	15,150	87	45	55	549	555	531	
Economics	7,323	42	47	53	550	560	533	
Geography	2,434	14	45	55	523	525	506	
Psychology	7,954	46	37	63	548	550	530	
European History	4,485	26	47	53	575	573	555	
Sociology	3,939	23	36	64	532	535	512	
Ancient History	2,361	14	51	49	554	556	536	
Other Courses	3,492	20	44	56	548	549	529	

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	2,100	11	39	61	603	614	594
4 Years	5,358	29	42	58	580	583	567
3 Years	6,619	36	47	53	544	555	525
2 Years	3,368	18	52	48	493	496	468
1 Year	445	2	52	48	475	469	441
1/2 Year or Less	431	2	57	43	452	467	424
No Response	3,884		51	49	550	559	536
AP/Honors Courses	4,532	25	41	59	606	614	597
<b>Course Work or Experience</b>							
Chinese	575	3	50	50	572	586	549
French	3,489	20	35	65	556	554	538
German	1,197	7	56	44	566	568	538
Greek	140	1	56	44	598	582	581
Hebrew	45	0	42	58	572	575	577
Italian	165	1	42	58	537	526	519
Japanese	130	1	48	52	564	577	530
Korean	19	0	42	58	523	592	523
Latin	1,971	11	52	48	589	588	568
Russian	71	0	48	52	547	550	527
Spanish	11,384	65	45	55	542	550	526
Other Languages	517	3	35	65	502	507	481

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

<b>Arts and Music</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>			
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,748	10	37	63	571	573	553	
4 Years	4,285	24	37	63	562	562	547	
3 Years	2,522	14	38	62	538	539	521	
2 Years	3,955	22	48	52	537	547	521	
1 Year	4,251	23	55	45	547	564	528	
1/2 Year or Less	1,363	8	62	38	523	533	500	
No Response	4,081		52	48	551	560	537	
AP/Honors Courses	1,474	8	34	66	593	593	578	
<b>Course Work or Experience</b>								
Acting or Play Production	3,477	20	32	68	576	560	555	
Art History or Appreciation	2,955	17	42	58	537	534	519	
Dance	1,542	9	10	90	541	535	533	
Drama: Study or Appreciation	2,441	14	31	69	552	540	535	
Music: Study or Appreciation	2,467	15	49	51	562	557	541	
Music Performance	8,258	49	42	58	566	569	548	
Photography or Film	3,845	23	33	67	540	540	525	
Studio Art and Design	5,144	30	37	63	553	556	539	
None	1,925	11	64	36	515	534	492	

<b>Computers</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
<b>Course Work or Experience</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	10,102	61	47	53	551	554	532
Computer Programming	2,835	17	65	35	552	572	531
Word Processing	9,473	57	45	55	552	556	533
Internet Activity	7,125	43	46	54	552	554	532
Using Computer Graphics	5,865	36	51	49	546	555	527
Creating Spreadsheets/Databases	5,840	35	48	52	553	560	534
None	2,768	17	37	63	546	555	531

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
3,293	8,332	2,848	655	676	646

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	353	11
2	1,400	43
3	1,134	34
4 or More	406	12

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			N	SAT						
	N	Mean	SD		Mean	SD	Mean	SD	Mean	SD	
<b>English</b>											
Literature	862	648	90	745	672	78	650	74	662	78	
<b>History and Social Studies</b>											
U.S. History	1,155	684	89	1,019	671	79	669	80	660	85	
World History	123	656	100	108	681	85	668	84	671	86	
<b>Mathematics</b>											
Mathematics Level 1	1,032	654	87	872	636	91	660	82	630	91	
Mathematics Level 2	1,937	707	78	1,714	666	82	706	62	659	81	
<b>Science</b>											
Biology-E	325	656	93	275	665	88	672	80	650	90	
Biology-M	524	703	82	479	674	81	697	71	668	80	
Chemistry	1,254	688	91	1,088	665	83	704	67	660	83	
Physics	571	680	86	507	660	87	706	67	644	88	
<b>Foreign and Classical Languages</b>											
Chinese/Listening	24	740		24	604		688		616		
French	111	613	103	97	678	76	665	80	681	77	
French/Listening	13	554		12	682		666		674		
German	11	523		11	673		662		638		
German/Listening	13	541		12	658		666		633		
Modern Hebrew	2			2							
Italian	5	762		5	594		536		582		
Japanese/Listening	10	658		8	538		663		566		
Korean/Listening	9	784		8	648		730		679		
Latin	79	608	108	77	681	82	693	70	673	85	
Spanish	256	611	103	221	668	78	675	75	673	81	
Spanish/Listening	16	613		14	644		630		644		

## 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	93	11	325	28	26	21
700-740	191	22	294	25	27	22
650-690	218	25	232	20	19	15
600-640	130	15	128	11	9	7
550-590	114	13	78	7	23	19
500-540	73	8	47	4	11	9
450-490	19	2	26	2	7	6
400-440	13	2	16	1	1	1
350-390	9	1	9	1		
300-340	1	0				
250-290	1	0				
200-240						
Total	862		1,155		123	
Mean	648		684		656	
SD	90		89		100	
75th percentile	720		750		740	
50th percentile	660		700		670	
25th percentile	590		640		560	

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	123	12	781	40	58	18	192	37	413	33	146	26
700-740	286	28	344	18	61	19	124	24	259	21	124	22
650-690	211	20	361	19	68	21	93	18	191	15	111	19
600-640	167	16	273	14	65	20	61	12	175	14	92	16
550-590	117	11	132	7	34	10	31	6	118	9	55	10
500-540	73	7	37	2	18	6	10	2	59	5	29	5
450-490	31	3	6	0	12	4	8	2	28	2	9	2
400-440	15	1	3	0	4	1	3	1	9	1	5	1
350-390	5	0			4	1	2	0	2	0		
300-340	4	0			1	0						
250-290												
200-240												
Total	1,032		1,937		325		524		1,254		571	
Mean	654		707		656		703		688		680	
SD	87		78		93		82		91		86	
75th percentile	720		780		720		770		760		750	
50th percentile	670		720		660		720		700		690	
25th percentile	600		650		600		650		620		620	

## 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	16	67	15	14			1	9	1	8		
700-740	2	8	14	13	1	8			1	8		
650-690	3	13	16	14	4	31			1	8		
600-640	2	8	14	13								
550-590			18	16	1	8	2	18	2	15		
500-540			21	19	1	8	5	45	3	23	1	50
450-490			8	7	3	23	1	9	3	23	1	50
400-440	1	4	5	5	2	15	1	9	1	8		
350-390					1	8	1	9	1	8		
300-340												
250-290												
200-240												
Total	24		111		13		11		13		2	
Mean	740		613		554		523		541			
SD			103									
75th percentile	800		700									
50th percentile	780		610									
25th percentile	690		530									

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	4	80	3	30	9	100	11	14	25	10	4	25
700-740	1	20	4	40			9	11	33	13	1	6
650-690							13	16	50	20	2	13
600-640							9	11	35	14	2	13
550-590							9	11	49	19	1	6
500-540			2	20			14	18	29	11	3	19
450-490							12	15	16	6	3	19
400-440							1	1	15	6		
350-390							1	1	2	1		
300-340			1	10					2	1		
250-290												
200-240												
Total	5		10		9		79		256		16	
Mean	762		658		784		608		611		613	
SD							108		103			
75th percentile							690		690			
50th percentile							600		620			
25th percentile							510		540			



## 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	95	0	531	534	511
Architecture and Related Services	323	2	543	564	524
Area, Ethnic, Cultural and Gender Studies	20	0	558	529	551
Biological and Biomedical Sciences	1,426	7	575	582	559
Business Management, Marketing, and Related Support Services	2,122	11	529	551	516
Communication, Journalism and Related Programs	568	3	545	517	532
Computer and Information Sciences and Support Services	526	3	565	593	531
Construction Trades	3	0			
Education	921	5	522	517	507
Engineering	2,522	13	576	617	553
Engineering Technologies/Technicians	192	1	537	569	501
English Language and Literature/Letters	269	1	614	557	599
Family and Consumer Sciences/Human Sciences	29	0	513	495	503
Foreign Languages, Literatures, and Linguistics	181	1	616	577	595
Health Professions and Related Clinical Services	3,820	19	534	545	525
History	238	1	578	532	537
Legal Professions and Studies	472	2	554	541	536
Liberal Arts and Sciences, General Studies, and Humanities	154	1	584	556	566
Library Science And Administration	8	0	595	525	534
Mathematics and Statistics	153	1	573	633	556
Mechanic and Repair Technologies/Technician	17	0	430	458	419
Military Technologies And Applied Sciences	110	1	540	543	497
Multi/Interdisciplinary Studies	144	1	618	617	611
Natural Resources and Conservation	88	0	564	545	533
Parks, Recreation, Leisure and Fitness Studies	105	1	473	501	462
Personal and Culinary Services	42	0	481	472	460
Philosophy and Religious Studies	35	0	597	591	596
Physical Sciences	373	2	588	610	562
Precision Production	1	0			
Psychology	837	4	543	525	526
Public Administration and Social Services Professions	50	0	518	484	496
Security and Protective Services	369	2	493	493	471
Social Sciences	388	2	597	568	572
Theology and Religious Vocations	47	0	554	526	532
Transportation and Materials Moving	11	0	480	475	468
Visual and Performing Arts	1,414	7	552	532	534
Other	248	1	491	500	475
Undecided	1,491	8	572	581	557
<b>Degree-Level Goal</b>					
Certificate Program	92	0	489	500	480
Associate Degree	110	1	460	442	432
Bachelor's Degree	5,877	30	517	524	499
Master's Degree	5,882	30	551	560	534
Doctoral or Related Degree	4,802	25	578	584	561
Other	61	0	487	505	472
Undecided	2,508	13	556	559	537

## College Plans

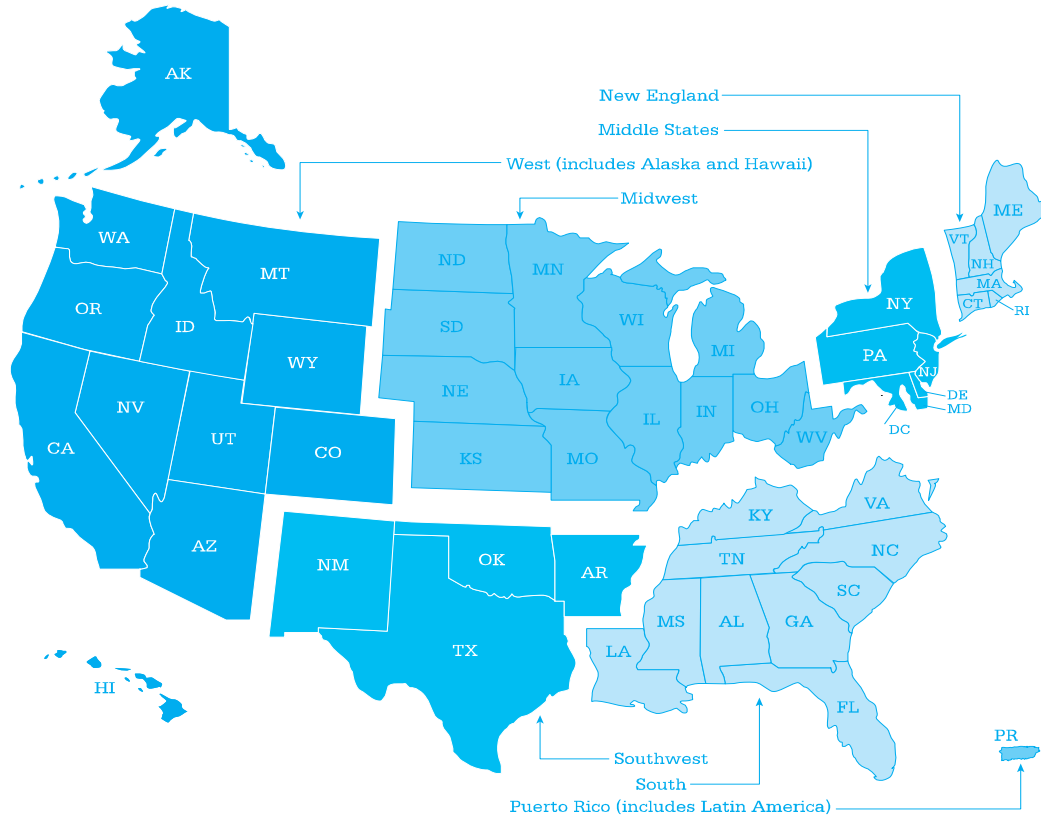
**Table 27: Institutions That Received the Most SAT Program Score Reports from Your Students**

Of the 22,650 students from your state who took the SAT and/or an SAT Subject Test, 14,851 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 1,492 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
OHIO STATE UNIVERSITY COLUMBUS	OH	Public	5,831	39.3
UNIVERSITY OF CINCINNATI	OH	Public	3,716	25.0
MIAMI UNIVERSITY	OH	Public	3,436	23.1
OHIO UNIVERSITY ATHENS	OH	Public	2,481	16.7
CASE WESTERN RESERVE UNIVERSITY	OH	Private	1,675	11.3
KENT STATE UNIVERSITY	OH	Public	1,583	10.7
UNIVERSITY OF DAYTON	OH	Private	1,536	10.3
BOWLING GREEN STATE UNIVERSITY	OH	Public	1,201	8.1
NORTHWESTERN UNIVERSITY'S MIDWEST ACDMC T	IL	Scholarship	1,075	7.2
UNIVERSITY OF MICHIGAN ANN ARBOR	MI	Public	1,013	6.8
XAVIER UNIVERSITY	OH	Private	970	6.5
NORTHWESTERN UNIVERSITY	IL	Private	912	6.1
WRIGHT STATE UNIVERSITY DAYTON	OH	Public	871	5.9
UNIVERSITY OF AKRON	OH	Public	854	5.8
UNIVERSITY OF TOLEDO	OH	Public	756	5.1
NATIONAL MERIT SCHOLARSHIP CORPORATION	IL	Scholarship	724	4.9
PURDUE UNIVERSITY WEST LAFAYETTE	IN	Public	717	4.8
CORNELL UNIVERSITY	NY	Private	716	4.8
UNIVERSITY OF KENTUCKY LEXINGTON	KY	Public	669	4.5
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	669	4.5
CLEVELAND STATE UNIVERSITY	OH	Public	654	4.4
NCAA ELIGIBILITY CENTER	IN	Public	653	4.4
VANDERBILT UNIVERSITY	TN	Private	631	4.2
INDIANA UNIVERSITY BLOOMINGTON	IN	Public	608	4.1
PRINCETON UNIVERSITY	NJ	Private	584	3.9
UNIVERSITY OF CHICAGO	IL	Private	579	3.9
UNIVERSITY OF NOTRE DAME	IN	Private	553	3.7
CARNEGIE MELLON UNIVERSITY	PA	Private	552	3.7
WASHINGTON UNIVERSITY	MO	Private	545	3.7
DUKE UNIVERSITY	NC	Private	537	3.6
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE	PA	Private	522	3.5
UNIVERSITY OF PITTSBURGH PITTSBURGH	PA	Private	503	3.4
YALE UNIVERSITY	CT	Private	500	3.4
STANFORD UNIVERSITY	CA	Private	499	3.4
JOHN CARROLL UNIVERSITY	OH	Private	486	3.3
NORTHERN KENTUCKY UNIVERSITY	KY	Public	467	3.1
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	460	3.1
COLUMBIA UNIVERSITY UNDERGRADUATE ADMISS	NY	Private	436	2.9
UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	NC	Public	390	2.6
LOYOLA UNIVERSITY CHICAGO	IL	Private	383	2.6
BROWN UNIVERSITY	RI	Private	366	2.5
NEW YORK UNIVERSITY	NY	Private	365	2.5
COLLEGE OF WOOSTER	OH	Private	362	2.4
BALDWIN WALLACE UNIVERSITY	OH	Private	360	2.4
UNIVERSITY OF VIRGINIA	VA	Public	340	2.3

\*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.

## Areas Served by College Board Regional Offices



### National Office

45 Columbus Avenue  
New York, NY 10023-6992  
212-713-8000  
212-713-8255 (Fax)

### Middle States Regional Office

Three Bala Plaza East, Suite 501  
Bala Cynwyd, PA 19004-1501  
866-392-3019  
610-227-2580 (Fax)

### Midwestern Regional Office

8700 West Bryn Mawr Avenue, Suite 900N  
Chicago, IL 60631-3512  
866-392-4086  
847-653-4528 (Fax)

### New England Regional Office

1601 Trapelo Road, Suite 12  
Waltham, MA 02451-7333  
866-392-4089  
781-663-2743 (Fax)

### Southern Regional Office

3700 Crestwood Parkway NW, Suite 700  
Duluth, GA 30096-7155  
866-392-4088  
770-225-4062 (Fax)

### Southwestern Regional Office

4330 Gaines Ranch Loop, Suite 200  
Austin, TX 78735-6735  
866-392-3017  
512-721-1841 (Fax)

### Western Regional Office

2099 Gateway Place, Suite 550  
San Jose, CA 95110-1051  
866-392-4078  
408-367-1459 (Fax)

### Puerto Rico and Latin America Office

208 Ponce de León Avenue, Suite 1501  
San Juan, PR 00918-1017  
Mailing address:  
P.O. Box 71101  
San Juan, PR 00936-8001  
787-772-1200  
787-759-8629 (Fax - Reception area)  
787-764-4306 (Fax - Director's office)

### International Education Office

1233 20th Street NW, Suite 600  
Washington, DC 20036-2375  
202-741-4700  
202-741-4745 (Fax)

### Washington Office

1233 20th Street NW, Suite 600  
Washington, DC 20036-2375  
202-741-4700  
202-741-4743 (Fax)

### Florida Office

1545 Raymond Diehl Road, Suite 250  
Tallahassee, FL 32308-1500  
850-521-4900  
850-521-4921 (Fax)