

SAT

2015 College-Bound Seniors

State Profile Report



PENNSYLVANIA

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 2015 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 after the College Board makes state and total group-level data and information publically available. The embargo will be lifted no later than September 30, 2015.*** Prior to that time, you may use the data and other information in this report for internal purposes. The College Board will post updated information in the coming weeks about the embargo at <https://collegeboard.org/press>; if you have questions about the College Board Program Results press briefing, please contact the College Board communications department at communications@collegeboard.org.

© 2015 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 is a trademark 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.

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 2015* includes students who tested through June 2015.

Using This Report

College-Bound Seniors presents data on high school graduates in the year 2015 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 a 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, 1972–2015

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
2015	497	493	495	527	496	511	478	490	484

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 2000–2015, 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.

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

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

Table 11: Student Background Information and Characteristics

Academic Information

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

Table 12: High School Rank
Table 13: High School Grade Point Average
Table 14: Average Years of Study in Six Academic Subjects

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

Table 15: English and Language Arts, Mathematics
Table 16: Natural Sciences, Social Sciences and History
Table 17: Foreign and Classical Languages
Table 18: Arts and Music, Computers

SAT Subject Tests™

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

Table 19: Number of Test-Takers and Tests for SAT Subject Tests
Table 20: Mean Scores for SAT Subject Test Takers and for Students Who Also Took the SAT

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

Table 21: English, History and Social Studies
Table 22: Mathematics, Science
Table 23: Foreign and Classical Languages
Table 24: Foreign and Classical Languages (continued)

College Plans

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

Table 25: Intended College Major, Degree-Level Goal

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

Table 26: 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 2015. Information is summarized for seniors who took the SAT at any time during their high school years through June 2015. 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	96,826	499	107	504	111	482	110	48.5	11.1	6.9	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	44,607	504	109	521	114	477	111	48.3	11.1	6.7	1.7
Female	52,219	494	105	489	106	486	110	48.7	11.0	7.1	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 (2014-2015)	57,915	483	104	487	109	465	106	46.9	10.7	6.8	1.6
Junior (2013-2014)	38,751	521	107	528	110	506	112	51.0	11.2	7.1	1.6
Sophomore (2012-2013)	150	581	124	597	123	556	129	56.3	12.5	7.3	1.9
Freshman (2011-2012)	10	507		522		459		46.5		6.4	
Total	96,826	499	107	504	111	482	110	48.5	11.1	6.9	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	1,698,521	495	116	511	120	484	115	48.7	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 2015 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	570	580	550	570	590	560
50th	500	500	470	490	510	480
25th	430	430	400	410	430	400

Table 6: Score Distributions

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	1,787	1,545	3,332	2,974	1,526	4,500	1,365	1,745	3,110
600-690	7,000	7,158	14,158	8,860	7,040	15,900	5,508	7,207	12,715
500-590	14,614	16,722	31,336	14,262	15,857	30,119	11,483	14,384	25,867
400-490	14,333	18,112	32,445	12,676	18,172	30,848	15,619	18,137	33,756
300-390	5,643	7,279	12,922	4,854	8,040	12,894	8,820	9,103	17,923
200-290	1,230	1,403	2,633	981	1,584	2,565	1,812	1,643	3,455

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	81,618	86	45	55	493	500	475
Religiously Affiliated	10,681	11	48	52	527	522	520
Independent	2,354	2	59	41	557	569	551
Other or Unknown	2,173		43	57	500	478	477

Note: Percentiles are reported when there are 20 or more test-takers.
The College Board is no longer collecting data regarding Disabling Conditions.

Demographic Information

SAT: Mean Scores by Gender Within Ethnicity

Table 8: 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	301	0	482	96	477	100	461	94
Asian, Asian American, or Pacific Islander	5,248	5	514	136	575	132	516	141
Black or African American	11,156	12	416	98	412	98	396	95
Mexican or Mexican American	775	1	463	108	465	108	441	109
Puerto Rican	2,117	2	433	103	428	101	416	99
Other Hispanic, Latino, or Latin American	2,542	3	452	113	453	115	433	115
White	70,334	73	516	97	520	100	499	101
Other	2,183	2	492	119	490	120	473	121
No Response	2,170	2	454	115	449	112	429	112
Total	96,826	100	499	107	504	111	482	110

Table 9: 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	136	0	474	103	479	109	444	97
Asian, Asian American, or Pacific Islander	2,459	3	511	140	589	135	507	144
Black or African American	5,085	5	417	101	422	103	389	96
Mexican or Mexican American	311	0	473	113	489	117	448	112
Puerto Rican	899	1	443	106	449	106	417	101
Other Hispanic, Latino, or Latin American	1,084	1	462	116	477	119	434	116
White	32,539	34	522	98	538	102	493	102
Other	956	1	498	122	511	122	473	122
No Response	1,138	1	458	115	462	116	425	111
Total	44,607	46	504	109	521	114	477	111

Table 10: 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	165	0	488	88	475	92	474	89
Asian, Asian American, or Pacific Islander	2,789	3	517	131	563	129	524	137
Black or African American	6,071	6	415	96	404	94	402	94
Mexican or Mexican American	464	0	456	105	450	99	437	106
Puerto Rican	1,218	1	427	101	413	95	415	97
Other Hispanic, Latino, or Latin American	1,458	2	445	110	435	108	432	114
White	37,795	39	511	95	504	96	504	100
Other	1,227	1	487	116	474	116	473	120
No Response	1,032	1	450	114	434	106	435	113
Total	52,219	54	494	105	489	106	486	110

Demographic Information

SAT: Student Background Information and Characteristics

Table 11: 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	96,826	100	499	107	504	111	482	110
First Language Learned								
English	83,915	88	503	103	505	107	485	106
English and Another	6,875	7	479	124	491	131	467	128
Another Language	4,646	5	456	128	510	145	455	137
No Response	1,390		451	124	453	125	429	125
Citizenship								
U.S. Citizen / U.S. National	90,287	97	503	104	506	109	486	108
U.S. Permanent Resident or Refugee	1,767	2	449	132	487	139	442	134
Citizen of Another Country	1,028	1	466	125	580	139	481	137
Other, Unknown, or No Response	3,744		417	111	434	120	398	110
Plans to Apply for Financial Aid								
Yes	68,314	80	500	102	503	107	482	105
No	3,958	5	533	108	547	113	526	114
Don't Know	13,619	16	510	109	521	114	496	114
No Response	10,935		465	122	475	125	448	124
Family Income								
\$0 - \$20,000	5,615	9	427	102	430	105	408	99
\$20,000–\$40,000	8,051	13	468	99	469	101	447	98
\$40,000–\$60,000	8,900	14	487	95	489	98	466	96
\$60,000–\$80,000	9,628	16	499	94	502	97	479	96
\$80,000–\$100,000	8,383	14	510	96	515	98	491	99
\$100,000–\$120,000	7,306	12	519	93	527	98	503	98
\$120,000–\$140,000	3,836	6	527	94	535	97	511	98
\$140,000–\$160,000	2,798	5	535	95	543	99	520	99
\$160,000–\$200,000	3,117	5	540	95	550	99	529	100
More than \$200,000	4,308	7	568	97	582	102	563	104
No Response	34,884		495	115	500	120	479	119
Highest Level of Parental Education								
No High School Diploma	2,446	3	414	104	433	114	397	102
High School Diploma	29,112	32	462	94	465	98	442	94
Associate Degree	8,938	10	479	89	482	93	459	92
Bachelor's Degree	29,772	33	519	97	527	102	504	101
Graduate Degree	20,742	23	558	105	561	111	545	111
No Response	5,816		433	111	443	114	415	110
Took the PSAT/NMSQT®								
Yes, As a Junior	27,639	31	496	100	501	103	478	102
Yes, As a Sophomore or Younger	15,263	17	516	99	525	104	502	104
Yes, As a Junior and As a Sophomore or Younger	24,702	28	544	102	552	108	535	107
No	21,344	24	457	97	457	99	431	94
No Response	7,878		442	114	452	119	423	114

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 12: High School Rank

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Highest Tenth	12,608	30	42	58	584	602	576
Second Tenth	11,172	27	45	55	517	529	502
Second Fifth	8,340	20	50	50	491	499	472
Final Three Fifths	9,588	23	52	48	444	443	422
No Response	55,118		46	54	486	488	468

Table 13: High School Grade Point Average

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
A+ (97–100)	7,913	9	38	62	585	601	578
A (93–96)	22,235	24	39	61	548	559	537
A- (90–92)	19,271	21	43	57	515	524	500
B (80–89)	36,331	40	51	49	461	462	440
C (70–79)	5,927	6	60	40	409	406	384
D, E, or F (below 70)	130	0	63	37	393	390	372
No Response	5,019		52	48	460	456	435
Mean Grade Point Average	All Students: 3.48		Male: 3.40		Female: 3.55		

Table 14: 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	1.8	2.4	2.1	3.70	3.86	3.79
English and Language Arts	3.9	3.9	3.9	3.39	3.60	3.51
Foreign and Classical Languages	2.7	2.9	2.8	3.28	3.52	3.41
Mathematics	3.9	3.9	3.9	3.31	3.35	3.33
Natural Sciences	3.7	3.7	3.7	3.34	3.41	3.38
Social Sciences and History	3.7	3.8	3.7	3.51	3.55	3.53
Total for All Subjects	19.7	20.6	20.1			

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 15: 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	10,018	12	42	58	514	520	501
4 Years	56,928	71	46	54	514	518	497
3 Years	9,961	12	45	55	469	471	450
2 Years	1,473	2	49	51	463	477	444
1 Year	764	1	45	55	447	451	427
1/2 Year or Less	1,143	1	52	48	426	436	404
No Response	16,539		50	50	466	474	448
AP [®] /Honors Courses	31,809	40	39	61	563	564	550
Course Work or Experience							
English/Language Arts	72,610	95	45	55	506	510	489
Journalism	6,771	9	35	65	500	489	486
Creative Writing	16,720	22	37	63	500	491	485
American Literature	47,448	62	44	56	511	513	494
Composition/Writing	35,718	47	44	56	507	508	492
British Literature	21,209	28	43	57	525	523	508
World Literature	26,188	34	45	55	514	515	498
Communications	8,908	12	43	57	492	495	477
Public Speaking	17,708	23	43	57	508	509	493
English As Second Language	3,153	4	42	58	429	469	421

Mathematics Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	15,242	19	46	54	525	545	512
4 Years	48,920	61	46	54	512	516	496
3 Years	13,065	16	43	57	470	463	450
2 Years	1,383	2	49	51	456	467	439
1 Year	669	1	47	53	446	461	432
1/2 Year or Less	1,327	2	49	51	421	418	396
No Response	16,220		50	50	467	474	449
AP/Honors Courses	29,320	36	47	53	563	588	551
Highest Level of Mathematics Achieved*							
Calculus	29,726	37	49	51	558	585	547
Pre-calculus	19,812	25	42	58	500	500	482
Geometry	26,677	34	43	57	455	440	433
Algebra II	1,023	1	43	57	430	414	406
Algebra I	370	0	48	52	402	373	375

*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 16: 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	11,951	15	43	57	535	549	522
4 Years	41,676	53	46	54	518	523	501
3 Years	18,534	23	44	56	481	479	463
2 Years	2,883	4	49	51	468	474	449
1 Year	1,714	2	45	55	460	465	439
1/2 Year or Less	2,349	3	45	55	427	433	408
No Response	17,719		49	51	466	473	448
AP/Honors Courses	27,966	35	45	55	567	583	555
Course Work or Experience							
Biology	75,438	97	45	55	506	511	489
Chemistry	71,880	93	45	55	510	515	493
Physics	49,031	63	48	52	525	537	509
Geology, Earth, or Space Science	38,783	50	45	55	493	494	474
Other Sciences	30,145	39	40	60	502	504	486
Social Sciences and History							
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	10,103	13	44	56	526	530	511
4 Years	47,963	60	46	54	516	520	500
3 Years	16,548	21	44	56	481	486	464
2 Years	2,511	3	47	53	464	475	446
1 Year	1,115	1	47	53	448	455	430
1/2 Year or Less	1,437	2	48	52	419	428	400
No Response	17,149		50	50	466	473	448
AP/Honors Courses	31,261	39	44	56	564	569	551
Course Work or Experience							
U.S. History	69,610	90	45	55	509	513	492
World History or Cultures	62,995	82	44	56	506	511	490
U.S. Government or Civics	50,244	65	45	55	507	510	488
Economics	25,802	33	47	53	511	517	493
Geography	12,074	16	45	55	490	492	473
Psychology	30,472	39	35	65	515	514	500
European History	21,549	28	47	53	536	537	520
Sociology	14,946	19	36	64	501	497	484
Ancient History	10,270	13	48	52	507	505	491
Other Courses	13,308	17	43	57	502	503	484

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: 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	6,430	8	40	60	557	565	550
4 Years	19,285	24	41	59	552	556	542
3 Years	21,640	27	45	55	513	519	497
2 Years	23,038	29	48	52	476	479	453
1 Year	3,991	5	49	51	445	445	419
1/2 Year or Less	4,894	6	52	48	422	429	398
No Response	17,548		50	50	465	472	447
AP/Honors Courses	15,504	20	40	60	579	589	573
Course Work or Experience							
Chinese	1,478	2	47	53	523	549	507
French	13,904	18	35	65	522	519	506
German	7,312	9	55	45	526	529	501
Greek	239	0	50	50	552	537	533
Hebrew	153	0	45	55	529	508	509
Italian	1,425	2	48	52	504	499	487
Japanese	478	1	49	51	516	517	487
Korean	90	0	43	57	436	463	425
Latin	5,443	7	48	52	553	550	535
Russian	285	0	45	55	477	477	459
Spanish	51,378	66	45	55	501	507	486
Other Languages	830	1	37	63	477	485	465

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: 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	6,057	8	32	68	525	525	513	
4 Years	14,376	20	35	65	532	529	518	
3 Years	9,330	13	37	63	502	502	486	
2 Years	12,902	18	44	56	499	504	483	
1 Year	11,167	15	48	52	504	512	488	
1/2 Year or Less	18,756	26	58	42	499	512	479	
No Response	24,238		51	49	468	474	449	
AP/Honors Courses	4,351	6	34	66	572	572	563	
Course Work or Experience								
Acting or Play Production	12,219	17	31	69	538	524	523	
Art History or Appreciation	11,205	16	36	64	507	499	492	
Dance	7,103	10	10	90	497	491	490	
Drama: Study or Appreciation	8,622	12	27	73	512	499	499	
Music: Study or Appreciation	11,933	17	43	57	527	518	511	
Music Performance	27,209	38	38	62	528	527	513	
Photography or Film	15,132	21	34	66	504	503	491	
Studio Art and Design	16,811	23	32	68	516	514	501	
None	19,463	27	60	40	488	502	467	

Computers†	Test-Takers		Percent by Gender		SAT Mean Scores		
	Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics
Computer Literacy	8,517	62	45	55	559	574	551
Computer Programming	2,666	19	64	36	569	597	560
Word Processing	8,099	59	44	56	559	573	551
Internet Activity	6,233	45	45	55	561	575	553
Using Computer Graphics	4,667	34	51	49	558	578	550
Creating Spreadsheets/Databases	5,217	38	47	53	560	578	552
None	2,309	17	40	60	548	569	543

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.

*Information about Arts & Music is incomplete for the 2015 cohort as data was not collected through the online registration process between January and June 2015. The full collection of this data has resumed.

†Information about Computer Experience represents a small sample of the 2015 cohort as this information is no longer collected through the online registration process as of November 2013.

SAT Subject Tests™ Data

Table 19: 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
8,154	19,855	7,795	641	665	641

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	1,024	13
2	3,748	46
3	2,503	31
4 or More	879	11

Table 20: 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	2,192	634	94	2,116	658	88	636	89	651	92
History and Social Studies										
U.S. History	2,577	661	90	2,465	661	79	662	84	658	83
World History	422	635	99	403	675	82	667	92	665	86
Mathematics										
Mathematics Level 1	2,672	633	92	2,522	620	89	645	85	621	93
Mathematics Level 2	4,605	691	83	4,446	655	85	701	68	658	84
Science										
Biology-E	856	639	88	824	644	84	660	83	643	84
Biology-M	1,512	672	83	1,456	656	81	675	77	660	83
Chemistry	2,433	661	95	2,332	653	86	695	74	656	86
Physics	1,384	662	88	1,352	652	88	707	70	646	88
Foreign and Classical Languages										
Chinese/Listening	74	714	102	73	615	113	691	87	631	113
French	244	589	102	228	653	89	650	83	659	91
French/Listening	58	601	104	50	655	74	638	88	658	78
German	39	584	110	39	637	78	660	84	643	62
German/Listening	19	613		19	681		654		672	
Modern Hebrew	8	569		8	636		646		654	
Italian	6	630		6	642		588		593	
Japanese/Listening	22	684		21	570		656		595	
Korean/Listening	29	764	56	27	610	110	709	87	649	93
Latin	121	613	106	118	679	79	674	71	679	78
Spanish	504	608	113	478	646	90	648	91	654	94
Spanish/Listening	78	601	107	71	621	96	625	98	625	99

SAT Subject Tests Score Distributions

Table 21: 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	213	10	492	19	64	15
700-740	430	20	547	21	64	15
650-690	503	23	578	22	69	16
600-640	371	17	410	16	80	19
550-590	298	14	247	10	59	14
500-540	169	8	178	7	45	11
450-490	114	5	74	3	26	6
400-440	58	3	31	1	12	3
350-390	29	1	15	1	3	1
300-340	7	0	5	0		
250-290						
200-240						
Total	2,192		2,577		422	
Mean	634		661		635	
SD	94		90		99	
75th percentile	700		730		710	
50th percentile	650		670		640	
25th percentile	570		600		560	

Table 22: 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	200	7	1,484	32	97	11	315	21	559	23	281	20
700-740	615	23	800	17	154	18	337	22	453	19	254	18
650-690	521	19	920	20	164	19	345	23	457	19	257	19
600-640	487	18	768	17	198	23	246	16	382	16	270	20
550-590	340	13	425	9	127	15	156	10	262	11	186	13
500-540	272	10	146	3	64	7	76	5	176	7	86	6
450-490	149	6	44	1	34	4	22	1	91	4	38	3
400-440	59	2	14	0	12	1	10	1	46	2	12	1
350-390	18	1	3	0	4	0	5	0	7	0		
300-340	9	0	1	0	2	0						
250-290	2	0										
200-240												
Total	2,672		4,605		856		1,512		2,433		1,384	
Mean	633		691		639		672		661		662	
SD	92		83		88		83		95		88	
75th percentile	710		760		700		740		740		730	
50th percentile	640		690		640		680		670		670	
25th percentile	570		630		580		620		600		600	

SAT Subject Tests Score Distributions

Table 23: 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	41	55	19	8	7	12	4	10	3	16	1	13
700-740	8	11	14	6	5	9	1	3	2	11		
650-690	9	12	40	16	6	10	8	21	2	11		
600-640	5	7	40	16	10	17	8	21	3	16	2	25
550-590	4	5	42	17	12	21	4	10	3	16	1	13
500-540	4	5	41	17	10	17	6	15	2	11	2	25
450-490	2	3	28	11	4	7	3	8	4	21	1	13
400-440	1	1	16	7	3	5	3	8			1	13
350-390			4	2	1	2	2	5				
300-340												
250-290												
200-240												
Total	74		244		58		39		19		8	
Mean	714		589		601		584		613		569	
SD	102		102		104		110					
75th percentile	790		660		670		660					
50th percentile	770		590		590		600					
25th percentile	660		510		500		500					

Table 24: 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	3	50	9	41	24	83	17	14	69	14	9	12
700-740			6	27	2	7	18	15	51	10	8	10
650-690					2	7	13	11	83	16	11	14
600-640	1	17	3	14			13	11	86	17	10	13
550-590					1	3	22	18	67	13	14	18
500-540			2	9			24	20	57	11	13	17
450-490	1	17	1	5			8	7	42	8	6	8
400-440							6	5	33	7	5	6
350-390									13	3	2	3
300-340	1	17	1	5					2	0		
250-290									1	0		
200-240												
Total	6		22		29		121		504		78	
Mean	630		684		764		613		608		601	
SD					56		106		113		107	
75th percentile			790		800		710		690		670	
50th percentile			710		780		590		610		590	
25th percentile			600		750		530		530		530	

College Plans

Table 25: 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	740	1	483	481	458
Architecture and Related Services	904	1	488	515	469
Area, Ethnic, Cultural and Gender Studies	69	0	534	499	518
Biological and Biomedical Sciences	5,047	6	541	546	528
Business Management, Marketing, and Related Support Services	10,478	13	497	515	483
Communication, Journalism and Related Programs	2,316	3	515	492	507
Computer and Information Sciences and Support Services	2,826	3	528	542	495
Construction Trades	104	0	432	455	396
Education	5,020	6	483	479	472
Engineering	8,176	10	541	582	519
Engineering Technologies/Technicians	927	1	477	509	448
English Language and Literature/Letters	935	1	576	514	552
Family and Consumer Sciences/Human Sciences	300	0	452	452	444
Foreign Languages, Literatures, and Linguistics	499	1	563	531	549
Health Professions and Related Clinical Services	16,828	20	486	491	476
History	924	1	540	501	503
Legal Professions and Studies	1,590	2	519	506	498
Liberal Arts and Sciences, General Studies, and Humanities	526	1	539	508	518
Library Science And Administration	20	0	540	485	474
Mathematics and Statistics	844	1	534	597	523
Mechanic and Repair Technologies/Technician	186	0	440	453	405
Military Technologies And Applied Sciences	367	0	497	499	463
Multi/Interdisciplinary Studies	434	1	580	577	571
Natural Resources and Conservation	446	1	507	505	483
Parks, Recreation, Leisure and Fitness Studies	626	1	451	465	434
Personal and Culinary Services	314	0	445	442	421
Philosophy and Religious Studies	154	0	542	519	507
Physical Sciences	1,352	2	551	567	526
Precision Production	7	0	451	391	414
Psychology	3,852	5	496	476	480
Public Administration and Social Services Professions	300	0	474	457	461
Security and Protective Services	2,745	3	455	456	436
Social Sciences	1,311	2	557	537	536
Theology and Religious Vocations	132	0	523	498	497
Transportation and Materials Moving	34	0	473	479	431
Visual and Performing Arts	4,795	6	506	489	489
Other	1,473	2	458	458	440
Undecided	6,054	7	527	536	513
Degree-Level Goal					
Certificate Program	831	1	433	440	411
Associate Degree	1,607	2	421	421	398
Bachelor's Degree	32,614	37	485	490	466
Master's Degree	23,622	27	515	521	500
Doctoral or Related Degree	14,232	16	541	545	528
Other	528	1	415	419	401
Undecided	13,682	16	503	506	484

College Plans

Table 26: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 97,185 students from your state who took the SAT and/or an SAT Subject Test, 70,276 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 2,397 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
Penn State University Park	PA	Public	25,660	36.5
University of Pittsburgh	PA	Private	14,825	21.1
Temple University	PA	Private	11,055	15.7
West Chester University of Pennsylvania	PA	Public	9,114	13.0
Bloomsburg University of Pennsylvania	PA	Public	6,852	9.8
Drexel University	PA	Private	6,622	9.4
Indiana University of Pennsylvania	PA	Public	5,782	8.2
Kutztown University of Pennsylvania	PA	Public	5,099	7.3
NCAA Eligibility Center	IN	Public	4,769	6.8
Shippensburg University of Pennsylvania	PA	Public	4,436	6.3
Millersville University of Pennsylvania	PA	Public	4,156	5.9
University of Pennsylvania	PA	Private	3,864	5.5
Duquesne University	PA	Private	3,566	5.1
University of Delaware	DE	Public	3,558	5.1
Slippery Rock University of Pennsylvania	PA	Public	3,474	4.9
Robert Morris University	PA	Private	3,268	4.7
East Stroudsburg University of Pennsylvania	PA	Public	2,761	3.9
Villanova University	PA	Private	2,630	3.7
Arcadia University	PA	Private	2,549	3.6
York College of Pennsylvania	PA	Private	2,546	3.6
Lehigh University	PA	Private	2,506	3.6
West Virginia University	WV	Public	2,382	3.4
California University of Pennsylvania	PA	Public	2,300	3.3
Lock Haven University of Pennsylvania	PA	Public	2,236	3.2
Saint Joseph's University	PA	Private	2,215	3.2
Carnegie Mellon University	PA	Private	2,167	3.1
Bucknell University	PA	Private	2,038	2.9
Boston University	MA	Private	1,930	2.7
Cornell University	NY	Private	1,915	2.7
New York University	NY	Private	1,889	2.7
University of Maryland: College Park	MD	Public	1,841	2.6
Ohio State University: Columbus Campus	OH	Public	1,837	2.6
University of Scranton	PA	Private	1,832	2.6
La Salle University	PA	Private	1,797	2.6
Clarion University of Pennsylvania	PA	Public	1,693	2.4
Syracuse University	NY	Private	1,684	2.4
Edinboro University of Pennsylvania	PA	Public	1,620	2.3
Widener University	PA	Private	1,601	2.3
Albright College	PA	Private	1,495	2.1
Fordham University	NY	Private	1,463	2.1
Center for Talented Youth, Johns Hopkins Univ	MD	Private	1,430	2.0
James Madison University	VA	Public	1,422	2.0
University of Virginia	VA	Public	1,401	2.0
Princeton University	NJ	Private	1,399	2.0
Johns Hopkins University	MD	Private	1,369	1.9

*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



The College Board National Office

250 Vesey Street
New York, NY 10281
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

2001 Gateway Place, Suite 220W
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)

The College Board International

250 Vesey Street
New York, NY 10281
212-373-8738
646-417-7350 (Fax)

Washington Office

1919 M Street NW, Suite 300
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)