

SAT[®]

2014 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 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	99,460	497	107	504	111	480	110	48.4	11.0	6.8	1.7

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	46,567	501	108	521	114	474	111	48.1	11.1	6.6	1.7
Female	52,893	493	105	489	106	484	109	48.6	11.0	7.0	1.6

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)	61,101	484	104	490	109	465	106	46.9	10.6	6.7	1.7
Junior (2012-2013)	38,230	517	108	527	111	503	113	50.7	11.3	7.0	1.6
Sophomore (2011-2012)	123	541	128	552	134	527	131	53.5	12.9	7.2	1.8
Freshman (2010-2011)	6	508		548		468		47.5		6.7	
Total	99,460	497	107	504	111	480	110	48.4	11.0	6.8	1.7

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	570	580	550	570	600	560
50th	490	500	470	490	510	480
25th	430	430	400	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	1,790	1,608	3,398	3,029	1,550	4,579	1,471	1,793	3,264
600-690	7,098	7,182	14,280	9,406	7,089	16,495	5,396	6,720	12,116
500-590	15,176	16,779	31,955	14,915	16,398	31,313	11,984	14,639	26,623
400-490	15,128	18,150	33,278	13,133	18,273	31,406	16,317	18,610	34,927
300-390	6,001	7,646	13,647	4,988	7,942	12,930	9,391	9,354	18,745
200-290	1,374	1,528	2,902	1,096	1,641	2,737	2,008	1,777	3,785

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	83,398	86	46	54	492	501	473
Religiously Affiliated	10,999	11	48	52	525	522	519
Independent	2,589	3	59	41	542	558	538
Other or Unknown	2,474		45	55	489	466	467

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	6,028	6	471	110	469	111	446	108
Nonstandard Conditions	2,581	3	458	119	459	125	443	121

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	299	0	490	102	486	108	459	102
Asian, Asian American, or Pacific Islander	5,159	5	505	134	573	129	508	140
Black or African American	11,139	11	415	98	412	98	395	95
Mexican or Mexican American	700	1	466	106	469	99	447	107
Puerto Rican	2,124	2	435	101	432	100	414	99
Other Hispanic, Latino, or Latin American	2,411	2	451	110	450	110	432	109
White	73,200	74	514	97	520	101	496	102
Other	2,212	2	487	119	486	119	470	123
No Response	2,216	2	444	118	439	114	419	117
Total	99,460	100	497	107	504	111	480	110

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	140	0	495	108	507	111	458	107
Asian, Asian American, or Pacific Islander	2,476	2	500	137	584	129	496	143
Black or African American	5,109	5	415	99	418	101	387	94
Mexican or Mexican American	300	0	474	108	488	104	447	108
Puerto Rican	915	1	444	101	450	105	414	99
Other Hispanic, Latino, or Latin American	1,079	1	459	112	469	114	429	111
White	34,424	35	520	98	539	103	492	103
Other	965	1	488	119	504	121	463	123
No Response	1,159	1	443	118	448	118	409	115
Total	46,567	47	501	108	521	114	474	111

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	159	0	486	97	467	102	460	97
Asian, Asian American, or Pacific Islander	2,683	3	509	131	564	128	519	137
Black or African American	6,030	6	415	97	406	95	402	95
Mexican or Mexican American	400	0	460	104	454	93	447	106
Puerto Rican	1,209	1	429	101	418	94	414	99
Other Hispanic, Latino, or Latin American	1,332	1	445	108	435	105	434	107
White	38,776	39	510	96	504	97	501	101
Other	1,247	1	486	120	472	116	475	123
No Response	1,057	1	444	118	428	108	429	118
Total	52,893	53	493	105	489	106	484	109

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	99,460	100	497	107	504	111	480	110
First Language Learned								
English	86,156	88	502	103	506	107	483	107
English and Another	6,759	7	479	119	493	126	467	125
Another Language	4,773	5	448	126	508	143	451	134
No Response	1,772		442	124	443	123	419	124
Citizenship								
U.S. Citizen / U.S. National	92,069	97	502	104	507	108	485	108
U.S. Permanent Resident or Refugee	1,774	2	441	133	485	140	440	136
Citizen of Another Country	1,127	1	460	119	572	138	476	132
Other, Unknown, or No Response	4,490		414	110	431	120	392	109
Plans to Apply for Financial Aid								
Yes	70,651	79	499	103	504	107	481	105
No	4,366	5	530	105	545	114	522	115
Don't Know	14,026	16	508	108	522	112	493	113
No Response	10,417		453	121	465	126	435	124
Family Income								
\$0 - \$20,000	5,156	9	428	103	434	104	408	99
\$20,000–\$40,000	7,897	13	466	97	471	101	443	97
\$40,000–\$60,000	9,046	15	486	95	490	98	463	96
\$60,000–\$80,000	9,569	16	498	94	503	97	476	95
\$80,000–\$100,000	8,283	14	506	94	514	99	486	97
\$100,000–\$120,000	6,762	11	518	94	530	98	502	98
\$120,000–\$140,000	3,543	6	525	96	535	100	511	100
\$140,000–\$160,000	2,603	4	531	94	543	98	517	99
\$160,000–\$200,000	2,831	5	539	95	553	101	532	100
More than \$200,000	4,037	7	565	99	581	102	561	106
No Response	39,733		494	114	500	119	478	118
Highest Level of Parental Education								
No High School Diploma	2,309	2	408	100	437	115	391	99
High School Diploma	30,612	33	462	94	468	99	441	94
Associate Degree	9,212	10	477	90	483	94	455	91
Bachelor's Degree	30,245	32	520	97	528	102	504	101
Graduate Degree	20,710	22	556	105	562	110	544	111
No Response	6,372		425	108	429	107	406	105
Took the PSAT/NMSQT®								
Yes, As a Junior	28,790	31	496	100	503	104	478	102
Yes, As a Sophomore or Younger	14,353	16	514	98	525	105	498	103
Yes, As a Junior and As a Sophomore or Younger	24,840	27	544	103	553	107	536	107
No	23,578	26	460	96	462	99	433	93
No Response	7,899		431	113	442	117	411	113

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	13,217	30	42	58	582	601	573
Second Tenth	11,782	27	46	54	517	533	501
Second Fifth	8,781	20	51	49	488	498	468
Final Three Fifths	9,854	23	52	48	441	443	419
No Response	55,826		47	53	484	487	465

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)	7,698	8	39	61	588	604	580
A (93–96)	22,480	24	40	60	547	561	535
A- (90–92)	19,490	21	44	56	514	525	499
B (80–89)	37,779	40	51	49	460	463	439
C (70–79)	6,305	7	60	40	411	407	384
D, E, or F (below 70)	152	0	66	34	400	400	369
No Response	5,556		52	48	457	456	432
Mean Grade Point Average	All Students: 3.47		Male: 3.39		Female: 3.53		

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	1.8	2.4	2.1	3.67	3.85	3.77
English and Language Arts	3.9	3.9	3.9	3.38	3.59	3.49
Foreign and Classical Languages	2.8	2.9	2.8	3.26	3.49	3.39
Mathematics	3.9	3.9	3.9	3.30	3.33	3.32
Natural Sciences	3.7	3.7	3.7	3.33	3.39	3.36
Social Sciences and History	3.7	3.8	3.8	3.50	3.53	3.52
Total for All Subjects	19.8	20.6	20.2			

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	10,395	12	43	57	515	523	502	
4 Years	60,225	71	47	53	512	518	494	
3 Years	10,684	13	46	54	467	473	449	
2 Years	1,521	2	48	52	456	468	439	
1 Year	729	1	43	57	444	450	425	
1/2 Year or Less	1,227	1	52	48	423	433	399	
No Response	14,679		51	49	457	468	439	
AP@/Honors Courses	32,810	39	39	61	562	564	549	
Course Work or Experience								
English/Language Arts	76,751	96	45	55	505	511	488	
Journalism	7,549	9	37	63	500	491	486	
Creative Writing	18,057	23	39	61	502	495	486	
American Literature	51,230	64	45	55	510	514	493	
Composition/Writing	38,848	49	44	56	505	507	489	
British Literature	23,078	29	44	56	525	524	506	
World Literature	28,070	35	46	54	515	517	498	
Communications	10,079	13	46	54	494	499	478	
Public Speaking	19,483	24	44	56	508	510	491	
English As Second Language	3,426	4	44	56	429	470	423	

Mathematics		Test-Takers		Percent by Gender		SAT Mean Scores		
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	15,644	18	47	53	524	548	511	
4 Years	51,993	61	46	54	511	516	494	
3 Years	13,827	16	44	56	469	464	448	
2 Years	1,437	2	48	52	448	459	433	
1 Year	605	1	42	58	445	462	428	
1/2 Year or Less	1,286	2	47	53	423	418	400	
No Response	14,668		51	49	457	467	439	
AP/Honors Courses	29,946	35	47	53	561	590	551	
Highest Level of Mathematics Achieved*								
Calculus	30,413	37	50	50	558	588	547	
Pre-calculus	20,837	25	43	57	501	504	483	
Geometry	29,112	35	43	57	456	442	433	
Algebra II	975	1	48	52	433	423	410	
Algebra I	398	0	47	53	411	385	389	

*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	12,437	15	45	55	534	552	521
4 Years	44,383	53	47	53	515	522	499
3 Years	19,547	23	45	55	480	480	461
2 Years	3,111	4	49	51	465	472	443
1 Year	1,745	2	47	53	458	466	437
1/2 Year or Less	2,452	3	45	55	427	432	406
No Response	15,785		50	50	458	468	440
AP/Honors Courses	28,304	34	45	55	567	585	555
Course Work or Experience							
Biology	79,280	98	45	55	505	512	488
Chemistry	75,777	94	45	55	509	516	492
Physics	51,711	64	49	51	523	538	508
Geology, Earth, or Space Science	41,941	52	46	54	493	496	473
Other Sciences	31,550	39	41	59	501	504	484

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	10,520	12	45	55	525	532	510
4 Years	51,365	61	47	53	514	520	497
3 Years	17,204	20	45	55	479	486	462
2 Years	2,487	3	48	52	458	470	440
1 Year	1,118	1	48	52	444	456	427
1/2 Year or Less	1,536	2	47	53	418	426	396
No Response	15,230		50	50	457	467	439
AP/Honors Courses	32,115	38	45	55	564	570	550
Course Work or Experience							
U.S. History	73,538	91	46	54	508	514	490
World History or Cultures	66,865	83	45	55	505	512	488
U.S. Government or Civics	52,100	65	46	54	506	511	487
Economics	27,422	34	47	53	509	517	491
Geography	13,768	17	46	54	491	495	473
Psychology	31,471	39	36	64	516	515	499
European History	24,035	30	49	51	534	537	517
Sociology	15,888	20	37	63	503	500	485
Ancient History	11,833	15	48	52	508	507	490
Other Courses	13,776	17	44	56	500	503	482

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	6,699	8	41	59	556	566	548
4 Years	20,714	25	41	59	548	554	538
3 Years	23,214	28	46	54	511	520	495
2 Years	23,922	29	50	50	475	479	451
1 Year	4,224	5	50	50	446	448	418
1/2 Year or Less	5,102	6	51	49	419	427	393
No Response	15,585		51	49	456	466	438
AP/Honors Courses	15,809	19	40	60	580	590	574
Course Work or Experience							
Chinese	1,587	2	47	53	526	551	512
French	15,252	19	37	63	521	519	503
German	7,978	10	55	45	526	530	499
Greek	267	0	50	50	557	542	543
Hebrew	206	0	40	60	550	544	550
Italian	1,608	2	45	55	505	499	491
Japanese	549	1	51	49	536	535	509
Korean	102	0	39	61	465	486	451
Latin	6,092	8	48	52	554	553	536
Russian	309	0	52	48	493	499	479
Spanish	53,573	66	46	54	500	507	484
Other Languages	884	1	39	61	472	478	460

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	6,670	8	35	65	522	522	507	
4 Years	16,366	20	37	63	526	523	510	
3 Years	10,456	13	38	62	498	499	483	
2 Years	14,766	18	45	55	495	502	478	
1 Year	12,847	16	50	50	499	510	481	
1/2 Year or Less	20,536	25	58	42	492	507	473	
No Response	17,819		52	48	466	477	448	
AP/Honors Courses	4,680	6	36	64	571	569	559	
Course Work or Experience								
Acting or Play Production	12,578	16	31	69	539	524	522	
Art History or Appreciation	12,171	16	37	63	507	501	490	
Dance	7,467	10	9	91	496	492	490	
Drama: Study or Appreciation	8,700	11	29	71	516	504	502	
Music: Study or Appreciation	13,440	17	46	54	527	521	509	
Music Performance	28,943	37	39	61	527	527	511	
Photography or Film	15,763	20	34	66	505	504	490	
Studio Art and Design	17,103	22	33	67	516	516	501	
None	21,327	28	61	39	484	502	464	
Computers								
Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
Computer Literacy	47,610	63	45	55	513	518	496	
Computer Programming	13,736	18	61	39	507	523	488	
Word Processing	45,635	61	45	55	513	518	496	
Internet Activity	34,044	45	46	54	513	518	497	
Using Computer Graphics	25,981	35	51	49	510	519	493	
Creating Spreadsheets/Databases	28,574	38	47	53	515	523	499	
None	11,749	16	39	61	491	500	478	

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
8,542	21,152	8,273	639	662	640

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	936	11
2	3,862	45
3	2,803	33
4 or More	941	11

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	2,507	635	94	2,428	659	87	638	86	652	91
History and Social Studies										
U.S. History	2,817	655	94	2,721	658	85	657	84	655	87
World History	395	635	106	380	666	87	661	86	655	87
Mathematics										
Mathematics Level 1	3,142	635	86	3,038	618	89	645	81	619	92
Mathematics Level 2	4,575	694	83	4,469	652	87	698	67	657	88
Science										
Biology-E	902	640	89	872	649	86	658	84	646	89
Biology-M	1,472	661	86	1,412	648	85	669	76	654	85
Chemistry	2,607	665	94	2,542	650	88	693	73	656	89
Physics	1,356	658	86	1,331	648	89	704	70	643	90
Foreign and Classical Languages										
Chinese/Listening	70	718	109	69	606	122	680	88	625	119
French	279	593	107	273	652	89	647	85	663	87
French/Listening	54	624	106	53	658	84	653	83	659	88
German	57	554	118	53	637	89	637	81	640	92
German/Listening	38	538	106	37	664	78	641	88	642	84
Modern Hebrew	14	581		13	682		638		670	
Italian	6	698		6	592		600		628	
Japanese/Listening	20	660		19	624		655		631	
Korean/Listening	27	750	95	26	573	90	694	68	649	76
Latin	152	636	96	148	692	71	681	75	696	69
Spanish	569	600	112	553	643	90	647	87	658	93
Spanish/Listening	93	598	100	93	636	93	624	93	640	94

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	263	10	530	19	72	18
700-740	439	18	558	20	56	14
650-690	596	24	578	21	67	17
600-640	431	17	464	16	58	15
550-590	372	15	331	12	56	14
500-540	181	7	186	7	42	11
450-490	138	6	93	3	28	7
400-440	56	2	46	2	12	3
350-390	22	1	22	1	3	1
300-340	9	0	9	0	1	0
250-290						
200-240						
Total	2,507		2,817		395	
Mean	635		655		635	
SD	94		94		106	
75th percentile	710		730		720	
50th percentile	650		660		640	
25th percentile	580		600		550	

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	258	8	1,589	35	109	12	250	17	595	23	254	19
700-740	601	19	808	18	146	16	330	22	518	20	242	18
650-690	721	23	832	18	205	23	315	21	492	19	252	19
600-640	624	20	750	16	171	19	249	17	396	15	279	21
550-590	466	15	405	9	149	17	173	12	303	12	186	14
500-540	268	9	141	3	78	9	109	7	165	6	93	7
450-490	125	4	37	1	19	2	28	2	89	3	43	3
400-440	39	1	11	0	11	1	14	1	41	2	7	1
350-390	32	1	1	0	9	1	1	0	8	0		
300-340	8	0	1	0	5	1						
250-290									2	0		
200-240									1	0		
Total	3,142		4,575		902		1,472		2,607		1,356	
Mean	635		694		640		661		665		658	
SD	86		83		89		86		94		86	
75th percentile	700		770		700		730		740		720	
50th percentile	650		700		650		670		670		660	
25th percentile	580		630		580		610		600		600	

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	43	61	20	7	8	15	4	7	1	3	2	14
700-740	6	9	37	13	7	13	5	9	3	8	1	7
650-690	5	7	36	13	7	13	5	9	4	11	3	21
600-640	5	7	44	16	14	26	5	9	1	3	1	7
550-590	3	4	44	16	5	9	10	18	8	21	3	21
500-540	3	4	45	16	4	7	7	12	7	18		
450-490	4	6	21	8	7	13	11	19	8	21		
400-440	1	1	25	9	1	2	7	12	2	5	1	7
350-390			6	2	1	2	2	4	3	8	2	14
300-340			1	0			1	2	1	3	1	7
250-290												
200-240												
Total	70		279		54		57		38		14	
Mean	718		593		624		554		538		581	
SD	109		107		106		118		106			
75th percentile	800		680		710		610		590			
50th percentile	780		590		620		540		520			
25th percentile	650		510		540		460		470			

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	2	33	5	25	21	78	25	16	57	10	10	11
700-740	2	33	5	25	1	4	19	13	79	14	8	9
650-690	1	17	1	5	2	7	31	20	81	14	12	13
600-640			2	10	1	4	31	20	85	15	13	14
550-590			3	15	1	4	20	13	82	14	19	20
500-540	1	17	3	15			13	9	73	13	17	18
450-490			1	5			7	5	55	10	8	9
400-440							5	3	41	7	4	4
350-390					1	4	1	1	9	2	2	2
300-340									6	1		
250-290									1	0		
200-240												
Total	6		20		27		152		569		93	
Mean	698		660		750		636		600		598	
SD					95		96		112		100	
75th percentile			710		800		720		690		670	
50th percentile			680		790		640		610		590	
25th percentile			550		730		570		520		520	

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	752	1	481	483	456
Architecture and Related Services	1,076	1	491	522	473
Area, Ethnic, Cultural and Gender Studies	62	0	554	508	538
Biological and Biomedical Sciences	5,205	6	539	546	525
Business Management, Marketing, and Related Support Services	10,320	12	493	514	481
Communication, Journalism and Related Programs	2,573	3	515	493	505
Computer and Information Sciences and Support Services	2,584	3	521	537	485
Construction Trades	142	0	416	435	384
Education	5,259	6	483	483	470
Engineering	7,837	9	538	584	518
Engineering Technologies/Technicians	834	1	476	517	448
English Language and Literature/Letters	1,049	1	567	509	546
Family and Consumer Sciences/Human Sciences	311	0	451	450	430
Foreign Languages, Literatures, and Linguistics	518	1	568	535	551
Health Professions and Related Clinical Services	17,397	20	486	495	476
History	1,028	1	535	495	496
Legal Professions and Studies	1,798	2	512	500	493
Liberal Arts and Sciences, General Studies, and Humanities	662	1	536	508	517
Library Science And Administration	19	0	575	492	535
Mathematics and Statistics	847	1	526	593	517
Mechanic and Repair Technologies/Technician	184	0	419	437	383
Military Technologies And Applied Sciences	432	1	494	505	460
Multi/Interdisciplinary Studies	387	0	578	575	569
Natural Resources and Conservation	467	1	508	506	477
Parks, Recreation, Leisure and Fitness Studies	645	1	444	464	428
Personal and Culinary Services	360	0	439	437	415
Philosophy and Religious Studies	169	0	530	508	499
Physical Sciences	1,472	2	544	568	524
Precision Production	13	0	495	468	425
Psychology	4,112	5	502	482	484
Public Administration and Social Services Professions	304	0	478	459	457
Security and Protective Services	2,650	3	456	458	433
Social Sciences	1,376	2	562	542	539
Theology and Religious Vocations	134	0	527	516	508
Transportation and Materials Moving	25	0	487	504	462
Visual and Performing Arts	5,134	6	510	489	488
Other	1,592	2	461	462	443
Undecided	5,961	7	526	536	512
Degree-Level Goal					
Certificate Program	937	1	433	440	409
Associate Degree	1,689	2	422	420	396
Bachelor's Degree	33,131	37	484	489	463
Master's Degree	24,091	27	513	522	499
Doctoral or Related Degree	14,859	16	540	548	527
Other	541	1	410	422	394
Undecided	14,897	17	503	507	483

College Plans

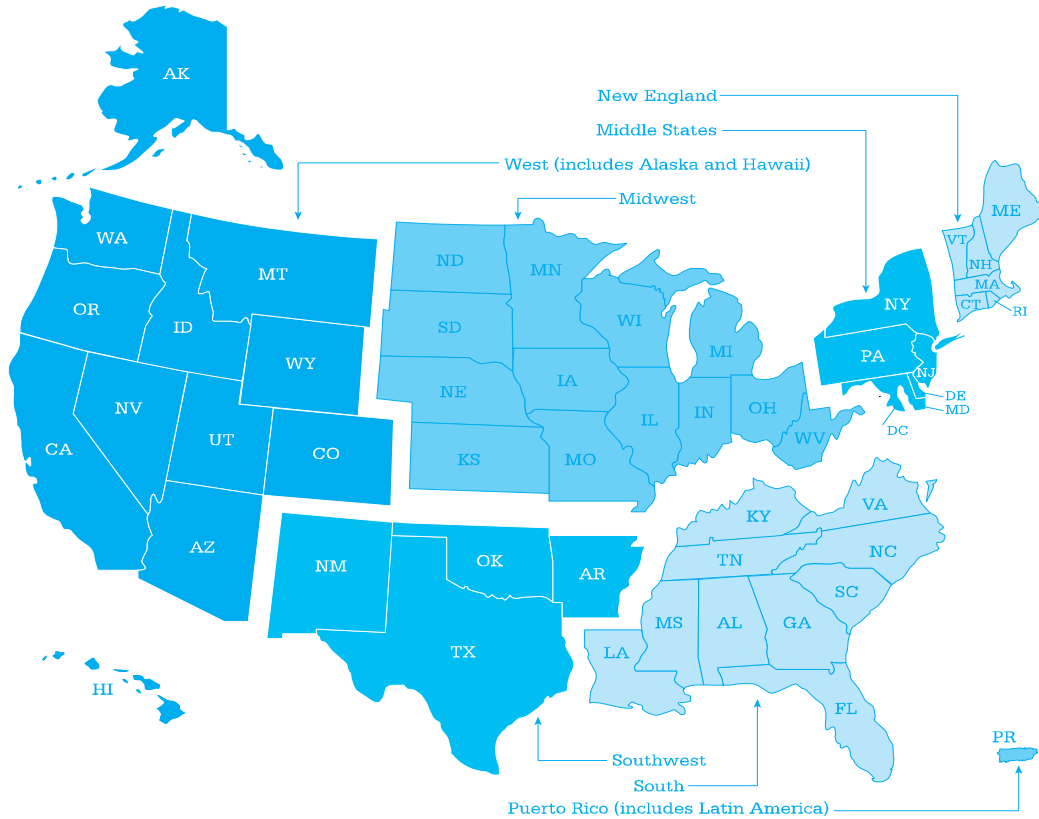
Table 27: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 99,729 students from your state who took the SAT and/or an SAT Subject Test, 71,615 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 2,340 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
Penn State University Park	PA	Public	26,316	36.7
University of Pittsburgh	PA	Private	15,285	21.3
Temple University	PA	Private	12,041	16.8
West Chester University of Pennsylvania	PA	Public	9,605	13.4
Drexel University	PA	Private	9,449	13.2
Bloomsburg University of Pennsylvania	PA	Public	7,064	9.9
Indiana University of Pennsylvania	PA	Public	6,197	8.7
Kutztown University of Pennsylvania	PA	Public	5,306	7.4
NCAA Eligibility Center	IN	Public	4,659	6.5
Millersville University of Pennsylvania	PA	Public	4,507	6.3
Shippensburg University of Pennsylvania	PA	Public	4,480	6.3
University of Pennsylvania	PA	Private	3,897	5.4
University of Delaware	DE	Public	3,611	5.0
Slippery Rock University of Pennsylvania	PA	Public	3,594	5.0
Duquesne University	PA	Private	3,516	4.9
Robert Morris University	PA	Private	3,282	4.6
East Stroudsburg University of Pennsylvania	PA	Public	2,910	4.1
York College of Pennsylvania	PA	Private	2,906	4.1
Villanova University	PA	Private	2,691	3.8
Arcadia University	PA	Private	2,644	3.7
Lehigh University	PA	Private	2,568	3.6
Saint Joseph's University	PA	Private	2,398	3.3
West Virginia University	WV	Public	2,341	3.3
Lock Haven University of Pennsylvania	PA	Public	2,271	3.2
California University of Pennsylvania	PA	Public	2,210	3.1
Carnegie Mellon University	PA	Private	2,191	3.1
Boston University	MA	Private	2,162	3.0
Center for Talented Youth, Johns Hopkins Univ	MD	Private	2,102	2.9
Cornell University	NY	Private	2,000	2.8
University of Maryland: College Park	MD	Public	1,977	2.8
New York University	NY	Private	1,854	2.6
Bucknell University	PA	Private	1,853	2.6
University of Scranton	PA	Private	1,831	2.6
Ohio State University: Columbus Campus	OH	Public	1,806	2.5
La Salle University	PA	Private	1,797	2.5
Edinboro University of Pennsylvania	PA	Public	1,696	2.4
Widener University	PA	Private	1,692	2.4
Clarion University of Pennsylvania	PA	Public	1,690	2.4
James Madison University	VA	Public	1,545	2.2
Albright College	PA	Private	1,538	2.1
Princeton University	NJ	Private	1,476	2.1
Northeastern University	MA	Private	1,469	2.1
Fordham University	NY	Private	1,467	2.0
Syracuse University	NY	Private	1,457	2.0
University of Pittsburgh at Johnstown	PA	Private	1,432	2.0

*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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