

SAT[®]

2014 College-Bound Seniors

State Profile Report



VIRGINIA

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	59,906	518	109	515	110	497	108	50.4	10.8	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	28,046	520	110	531	113	489	109	49.9	10.9	6.6	1.7
Female	31,860	516	107	502	104	504	106	50.7	10.7	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 (2013-2014)	43,112	507	106	505	107	485	104	49.2	10.4	6.8	1.6
Junior (2012-2013)	16,669	547	110	543	112	527	112	53.4	11.3	7.2	1.6
Sophomore (2011-2012)	119	555	134	560	120	534	124	54.8	12.6	7.1	1.6
Freshman (2010-2011)	6	545		658		582		59.0		7.7	
Total	59,906	518	109	515	110	497	108	50.4	10.8	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	1,672,395	497	115	513	120	487	115	48.9	11.6	7.0	1.7

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

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

SAT Data

Table 5: Percentiles for State and Total Group

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

SAT Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	590	590	570	570	600	560
50th	520	510	490	490	510	480
25th	440	440	420	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	1,613	1,641	3,254	2,339	1,274	3,613	1,027	1,368	2,395
600–690	5,590	5,785	11,375	5,858	4,750	10,608	3,829	5,061	8,890
500–590	9,022	10,460	19,482	8,829	10,176	19,005	7,962	9,762	17,724
400–490	8,170	9,895	18,065	7,946	11,033	18,979	9,604	10,800	20,404
300–390	3,181	3,626	6,807	2,704	4,188	6,892	4,884	4,452	9,336
200–290	470	453	923	370	439	809	740	417	1,157

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	52,591	90	46	54	515	512	493
Religiously Affiliated	3,406	6	53	47	543	539	527
Independent	2,123	4	54	46	555	564	547
Other or Unknown	1,786		45	55	531	503	505

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	3,930	7	494	109	484	109	468	104
Nonstandard Conditions	1,293	2	503	121	498	125	482	115

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	334	1	513	103	498	103	482	103
Asian, Asian American, or Pacific Islander	5,756	10	539	117	585	117	534	121
Black or African American	11,799	20	442	93	435	89	423	89
Mexican or Mexican American	732	1	503	100	497	93	478	95
Puerto Rican	528	1	497	96	485	98	478	94
Other Hispanic, Latino, or Latin American	2,926	5	493	100	494	99	475	97
White	34,535	58	543	100	535	100	519	100
Other	2,321	4	524	109	515	109	506	108
No Response	975	2	500	117	489	110	473	115
Total	59,906	100	518	109	515	110	497	108

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	139	0	511	112	517	114	466	106
Asian, Asian American, or Pacific Islander	2,826	5	537	120	598	117	526	124
Black or African American	5,414	9	441	94	442	93	411	89
Mexican or Mexican American	339	1	504	103	512	98	469	96
Puerto Rican	236	0	503	92	506	103	477	96
Other Hispanic, Latino, or Latin American	1,317	2	497	102	512	100	470	99
White	16,260	27	547	100	552	102	512	100
Other	999	2	526	111	533	114	499	112
No Response	516	1	490	115	494	111	459	111
Total	28,046	47	520	110	531	113	489	109

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	195	0	515	97	484	91	493	99
Asian, Asian American, or Pacific Islander	2,930	5	540	115	573	115	542	117
Black or African American	6,385	11	443	92	429	86	433	87
Mexican or Mexican American	393	1	501	98	485	87	485	94
Puerto Rican	292	0	492	99	468	91	478	92
Other Hispanic, Latino, or Latin American	1,609	3	490	98	479	95	480	96
White	18,275	31	541	99	520	95	526	99
Other	1,322	2	523	107	501	103	511	105
No Response	459	1	510	119	483	108	489	117
Total	31,860	53	516	107	502	104	504	106

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	59,906	100	518	109	515	110	497	108
First Language Learned								
English	48,812	82	520	107	512	107	497	106
English and Another	6,515	11	518	111	529	118	506	114
Another Language	3,867	7	493	119	540	124	491	119
No Response	712		514	123	507	118	493	119
Citizenship								
U.S. Citizen / U.S. National	55,851	96	521	107	515	108	499	107
U.S. Permanent Resident or Refugee	1,636	3	486	120	528	124	484	121
Citizen of Another Country	859	1	485	121	577	127	499	123
Other, Unknown, or No Response	1,560		454	112	473	119	438	109
Plans to Apply for Financial Aid								
Yes	39,326	72	512	107	506	106	490	105
No	4,317	8	543	103	548	108	525	105
Don't Know	10,729	20	538	106	540	110	518	108
No Response	5,534		506	120	511	121	486	120
Family Income								
\$0 - \$20,000	2,990	8	442	98	441	98	425	93
\$20,000–\$40,000	4,590	13	468	98	466	99	447	95
\$40,000–\$60,000	4,630	13	491	98	484	99	467	96
\$60,000–\$80,000	4,597	13	505	98	497	96	480	96
\$80,000–\$100,000	4,331	12	520	99	514	100	496	98
\$100,000–\$120,000	4,172	12	532	100	527	98	507	98
\$120,000–\$140,000	2,479	7	539	98	534	100	516	99
\$140,000–\$160,000	1,987	6	544	98	543	102	523	99
\$160,000–\$200,000	2,491	7	552	101	549	103	530	102
More than \$200,000	3,266	9	573	101	577	103	556	104
No Response	24,373		527	112	526	113	508	112
Highest Level of Parental Education								
No High School Diploma	1,484	3	443	97	454	100	429	91
High School Diploma	14,588	26	471	94	468	94	450	91
Associate Degree	4,529	8	482	93	475	92	457	90
Bachelor's Degree	19,649	34	531	100	529	102	510	100
Graduate Degree	16,813	29	569	107	565	110	549	108
No Response	2,843		465	111	469	107	446	107
Took the PSAT/NMSQT®								
Yes, As a Junior	10,391	18	506	107	503	107	486	105
Yes, As a Sophomore or Younger	14,091	25	512	101	507	102	489	100
Yes, As a Junior and As a Sophomore or Younger	24,195	43	550	105	550	106	532	105
No	7,500	13	460	97	452	95	435	92
No Response	3,729		482	115	488	114	463	111

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	7,516	33	42	58	595	599	579
Second Tenth	5,905	26	45	55	525	526	505
Second Fifth	4,410	19	49	51	493	492	469
Final Three Fifths	5,139	22	50	50	447	439	424
No Response	36,936		47	53	514	510	493

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)	4,130	7	39	61	608	609	593
A (93–96)	12,305	22	40	60	580	582	564
A- (90–92)	10,706	19	44	56	539	541	520
B (80–89)	24,098	43	50	50	485	480	462
C (70–79)	5,309	9	59	41	429	419	402
D, E, or F (below 70)	127	0	59	41	414	404	379
No Response	3,231		51	49	496	483	468
Mean Grade Point Average	All Students: 3.40		Male: 3.32		Female: 3.46		

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	1.9	2.4	2.2	3.74	3.88	3.82
English and Language Arts	3.9	3.9	3.9	3.35	3.55	3.46
Foreign and Classical Languages	3.2	3.4	3.3	3.15	3.40	3.28
Mathematics	4.1	4.1	4.1	3.15	3.16	3.16
Natural Sciences	3.8	3.9	3.9	3.34	3.38	3.36
Social Sciences and History	3.9	3.9	3.9	3.44	3.45	3.44
Total for All Subjects	20.8	21.6	21.3			

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	7,586	15	46	54	544	541	525	
4 Years	37,338	72	46	54	524	520	503	
3 Years	5,054	10	44	56	482	478	463	
2 Years	880	2	48	52	483	487	466	
1 Year	492	1	47	53	465	464	448	
1/2 Year or Less	561	1	51	49	437	444	414	
No Response	7,995		53	47	501	503	480	
AP@/Honors Courses	28,817	56	41	59	561	554	541	
Course Work or Experience								
English/Language Arts	46,838	96	45	55	521	517	501	
Journalism	4,903	10	31	69	525	510	511	
Creative Writing	7,605	16	37	63	526	506	506	
American Literature	25,719	53	43	57	533	525	512	
Composition/Writing	20,834	43	43	57	522	513	502	
British Literature	11,225	23	43	57	542	528	519	
World Literature	12,756	26	45	55	539	529	517	
Communications	2,736	6	43	57	506	501	488	
Public Speaking	5,397	11	43	57	525	513	504	
English As Second Language	1,821	4	44	56	451	502	450	
Mathematics								
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	17,394	34	47	53	561	572	540	
4 Years	26,427	51	45	55	512	502	491	
3 Years	6,156	12	44	56	466	449	444	
2 Years	778	2	54	46	466	464	451	
1 Year	384	1	49	51	474	481	456	
1/2 Year or Less	680	1	46	54	441	432	415	
No Response	8,087		53	47	501	502	479	
AP/Honors Courses	22,303	43	46	54	572	585	553	
Highest Level of Mathematics Achieved*								
Calculus	17,681	35	50	50	584	603	566	
Pre-calculus	11,425	22	43	57	522	516	502	
Geometry	20,408	40	44	56	467	446	444	
Algebra II	787	2	48	52	485	468	457	
Algebra I	101	0	55	45	416	381	386	

*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	9,865	19	46	54	558	564	537
4 Years	30,029	59	46	54	526	521	505
3 Years	7,864	15	46	54	478	468	457
2 Years	1,624	3	51	49	491	484	470
1 Year	795	2	47	53	490	486	467
1/2 Year or Less	964	2	46	54	440	442	421
No Response	8,765		52	48	499	500	478
AP/Honors Courses	23,065	45	44	56	568	572	548
Course Work or Experience							
Biology	48,543	98	45	55	521	518	500
Chemistry	45,626	92	45	55	529	526	508
Physics	28,012	56	50	50	551	557	530
Geology, Earth, or Space Science	33,120	67	45	55	507	499	485
Other Sciences	17,406	35	41	59	509	502	489

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	8,558	17	47	53	555	553	533
4 Years	33,808	65	45	55	524	520	503
3 Years	6,692	13	45	55	484	481	464
2 Years	1,360	3	49	51	480	481	461
1 Year	604	1	49	51	473	471	453
1/2 Year or Less	609	1	47	53	433	439	414
No Response	8,275		53	47	500	501	478
AP/Honors Courses	28,449	55	44	56	563	558	542
Course Work or Experience							
U.S. History	47,157	95	45	55	522	518	501
World History or Cultures	43,184	87	45	55	523	520	503
U.S. Government or Civics	41,292	83	45	55	522	518	501
Economics	7,135	14	52	48	536	532	514
Geography	13,312	27	45	55	511	505	490
Psychology	15,927	32	36	64	542	533	523
European History	9,592	19	47	53	555	545	531
Sociology	5,446	11	35	65	515	500	493
Ancient History	9,042	18	47	53	531	525	509
Other Courses	5,514	11	43	57	534	525	513

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	7,996	16	39	61	584	582	569
4 Years	14,654	29	43	57	547	544	528
3 Years	21,298	41	47	53	505	502	481
2 Years	3,937	8	52	48	469	461	445
1 Year	1,332	3	57	43	435	430	411
1/2 Year or Less	2,129	4	55	45	425	424	401
No Response	8,560		53	47	499	500	477
AP/Honors Courses	10,361	20	39	61	589	588	574
Course Work or Experience							
Chinese	684	1	49	51	564	601	550
French	9,543	19	37	63	535	523	514
German	2,972	6	57	43	543	530	511
Greek	93	0	53	47	570	544	549
Hebrew	31	0	45	55	542	519	513
Italian	265	1	39	61	539	521	519
Japanese	697	1	45	55	545	552	518
Korean	104	0	29	71	513	567	513
Latin	6,529	13	48	52	555	542	527
Russian	262	1	56	44	584	571	560
Spanish	34,055	69	46	54	514	512	495
Other Languages	1,377	3	37	63	499	499	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 19: Arts and Music, Computers

Arts and Music Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	5,024	10	39	61	548	539	528
4 Years	9,151	19	37	63	544	532	524
3 Years	6,108	12	39	61	515	508	495
2 Years	8,968	18	45	55	518	515	498
1 Year	8,776	18	48	52	521	522	501
1/2 Year or Less	11,253	23	57	43	497	500	474
No Response	10,626		54	46	505	506	483
AP/Honors Courses	4,471	9	35	65	574	565	555
Course Work or Experience							
Acting or Play Production	7,125	15	33	67	556	528	532
Art History or Appreciation	6,389	13	38	62	520	506	499
Dance	3,728	8	11	89	513	499	502
Drama: Study or Appreciation	7,091	15	31	69	531	510	510
Music: Study or Appreciation	4,747	10	47	53	546	530	524
Music Performance	18,614	39	43	57	541	534	521
Photography or Film	9,778	21	32	68	518	507	501
Studio Art and Design	9,247	19	33	67	536	525	516
None	11,739	25	60	40	497	504	475

Computers Course Work or Experience	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	22,894	51	47	53	528	523	506
Computer Programming	8,518	19	64	36	533	545	510
Word Processing	22,323	50	45	55	527	522	506
Internet Activity	17,292	39	46	54	534	528	512
Using Computer Graphics	13,526	30	53	47	528	530	507
Creating Spreadsheets/Databases	11,702	26	49	51	536	536	515
None	10,998	25	37	63	521	515	502

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
9,191	22,854	8,985	636	650	626

Students Who Took One or More Different SAT Subject Tests		
Number of Tests Taken	Number of Test-Takers	Percent of Total Test-Takers Who Took One or More Tests
1	898	10
2	4,199	46
3	3,121	34
4 or More	973	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			N	SAT						
	N	Mean	SD		Mean	SD	Mean	SD	Mean	SD	
English											
Literature	2,782	638	89	2,716	654	83	626	82	637	84	
History and Social Studies											
U.S. History	4,341	653	86	4,244	648	81	645	83	634	83	
World History	866	645	100	841	654	86	654	87	642	88	
Mathematics											
Mathematics Level 1	2,993	625	84	2,917	610	86	634	80	605	86	
Mathematics Level 2	4,833	687	84	4,739	650	86	690	69	645	85	
Science											
Biology-E	933	628	88	914	633	87	638	86	624	87	
Biology-M	1,024	654	90	1,003	642	89	659	85	638	92	
Chemistry	2,149	665	90	2,104	650	91	689	76	646	88	
Physics	1,294	660	86	1,267	653	87	704	69	643	87	
Foreign and Classical Languages											
Chinese/Listening	83	738	85	80	596	123	668	96	601	121	
French	339	599	113	331	650	88	634	85	645	86	
French/Listening	63	655	109	63	656	84	627	81	638	79	
German	33	559	131	33	634	93	626	88	617	91	
German/Listening	19	562		19	684		658		662		
Modern Hebrew	1			1							
Italian	6	697		6	658		635		642		
Japanese/Listening	38	652	117	36	619	95	653	85	628	98	
Korean/Listening	69	777	56	67	590	120	679	90	622	120	
Latin	192	600	110	188	678	78	662	79	657	79	
Spanish	698	609	112	686	644	85	642	84	644	87	
Spanish/Listening	98	622	107	94	620	76	614	73	618	79	

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	262	9	685	16	169	20
700-740	521	19	860	20	133	15
650-690	659	24	930	21	147	17
600-640	517	19	809	19	130	15
550-590	406	15	553	13	138	16
500-540	216	8	307	7	84	10
450-490	127	5	141	3	44	5
400-440	51	2	37	1	17	2
350-390	21	1	17	0	3	0
300-340	2	0	2	0	1	0
250-290						
200-240						
Total	2,782		4,341		866	
Mean	638		653		645	
SD	89		86		100	
75th percentile	710		720		730	
50th percentile	650		660		660	
25th percentile	580		600		570	

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	178	6	1,538	32	75	8	172	17	461	21	249	19
700-740	476	16	836	17	139	15	185	18	437	20	228	18
650-690	705	24	874	18	211	23	212	21	428	20	270	21
600-640	626	21	836	17	195	21	213	21	345	16	245	19
550-590	484	16	521	11	146	16	125	12	242	11	183	14
500-540	322	11	164	3	111	12	69	7	142	7	73	6
450-490	120	4	52	1	29	3	27	3	61	3	36	3
400-440	48	2	11	0	18	2	12	1	29	1	8	1
350-390	30	1			8	1	6	1	4	0	2	0
300-340	4	0	1	0			3	0				
250-290					1	0						
200-240												
Total	2,993		4,833		933		1,024		2,149		1,294	
Mean	625		687		628		654		665		660	
SD	84		84		88		90		90		86	
75th percentile	690		760		690		720		740		730	
50th percentile	630		690		630		660		670		660	
25th percentile	570		620		570		600		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	52	63	42	12	16	25	5	15	2	11		
700-740	15	18	35	10	8	13	1	3	1	5		
650-690	6	7	40	12	13	21	3	9	1	5		
600-640	2	2	51	15	7	11	1	3	1	5		
550-590	3	4	45	13	7	11	6	18	4	21		
500-540	3	4	55	16	7	11	6	18	5	26	1	100
450-490	1	1	43	13	4	6	6	18	3	16		
400-440	1	1	22	6	1	2	1	3	2	11		
350-390			6	2			3	9				
300-340							1	3				
250-290												
200-240												
Total	83		339		63		33		19		1	
Mean	738		599		655		559		562			
SD	85		113		109		131					
75th percentile	800		690		740		640					
50th percentile	770		590		670		520					
25th percentile	710		510		550		460					

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	67	8	21	63	91	22	11	100	14	17	17
700-740	1	17	8	21	3	4	26	14	82	12	10	10
650-690			8	21			21	11	98	14	14	14
600-640			6	16			25	13	92	13	13	13
550-590			2	5	2	3	28	15	108	15	19	19
500-540			1	3			32	17	96	14	12	12
450-490			2	5	1	1	25	13	70	10	6	6
400-440			2	5			11	6	35	5	6	6
350-390	1	17					2	1	13	2	1	1
300-340									4	1		
250-290			1	3								
200-240												
Total	6		38		69		192		698		98	
Mean	697		652		777		600		609		622	
SD			117		56		110		112		107	
75th percentile			740		800		680		700		710	
50th percentile			660		790		590		610		610	
25th percentile			600		780		510		530		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	492	1	495	485	474
Architecture and Related Services	764	1	521	541	501
Area, Ethnic, Cultural and Gender Studies	61	0	530	504	493
Biological and Biomedical Sciences	3,576	7	548	546	530
Business Management, Marketing, and Related Support Services	5,812	11	503	512	487
Communication, Journalism and Related Programs	1,341	2	525	494	508
Computer and Information Sciences and Support Services	2,186	4	533	548	501
Construction Trades	28	0	443	468	423
Education	2,570	5	502	489	487
Engineering	5,391	10	554	587	527
Engineering Technologies/Technicians	735	1	501	527	473
English Language and Literature/Letters	698	1	592	528	570
Family and Consumer Sciences/Human Sciences	195	0	456	451	444
Foreign Languages, Literatures, and Linguistics	440	1	588	550	569
Health Professions and Related Clinical Services	9,670	18	497	495	483
History	771	1	556	510	508
Legal Professions and Studies	1,396	3	536	515	513
Liberal Arts and Sciences, General Studies, and Humanities	484	1	564	524	537
Library Science And Administration	14	0	571	501	509
Mathematics and Statistics	439	1	540	598	529
Mechanic and Repair Technologies/Technician	101	0	452	455	407
Military Technologies And Applied Sciences	442	1	509	502	473
Multi/Interdisciplinary Studies	330	1	599	584	576
Natural Resources and Conservation	293	1	535	520	504
Parks, Recreation, Leisure and Fitness Studies	548	1	446	456	429
Personal and Culinary Services	209	0	462	452	438
Philosophy and Religious Studies	116	0	536	506	505
Physical Sciences	867	2	560	573	534
Precision Production	3	0			
Psychology	2,517	5	517	491	496
Public Administration and Social Services Professions	185	0	482	461	464
Security and Protective Services	1,797	3	472	464	449
Social Sciences	1,097	2	576	544	551
Theology and Religious Vocations	74	0	555	520	529
Transportation and Materials Moving	14	0	461	481	445
Visual and Performing Arts	3,867	7	526	501	503
Other	856	2	473	470	455
Undecided	3,836	7	551	550	528
Degree-Level Goal					
Certificate Program	396	1	464	458	441
Associate Degree	547	1	425	416	409
Bachelor's Degree	17,887	32	495	490	471
Master's Degree	17,475	32	528	526	508
Doctoral or Related Degree	11,045	20	548	547	531
Other	253	0	431	434	412
Undecided	7,481	14	529	524	505

College Plans

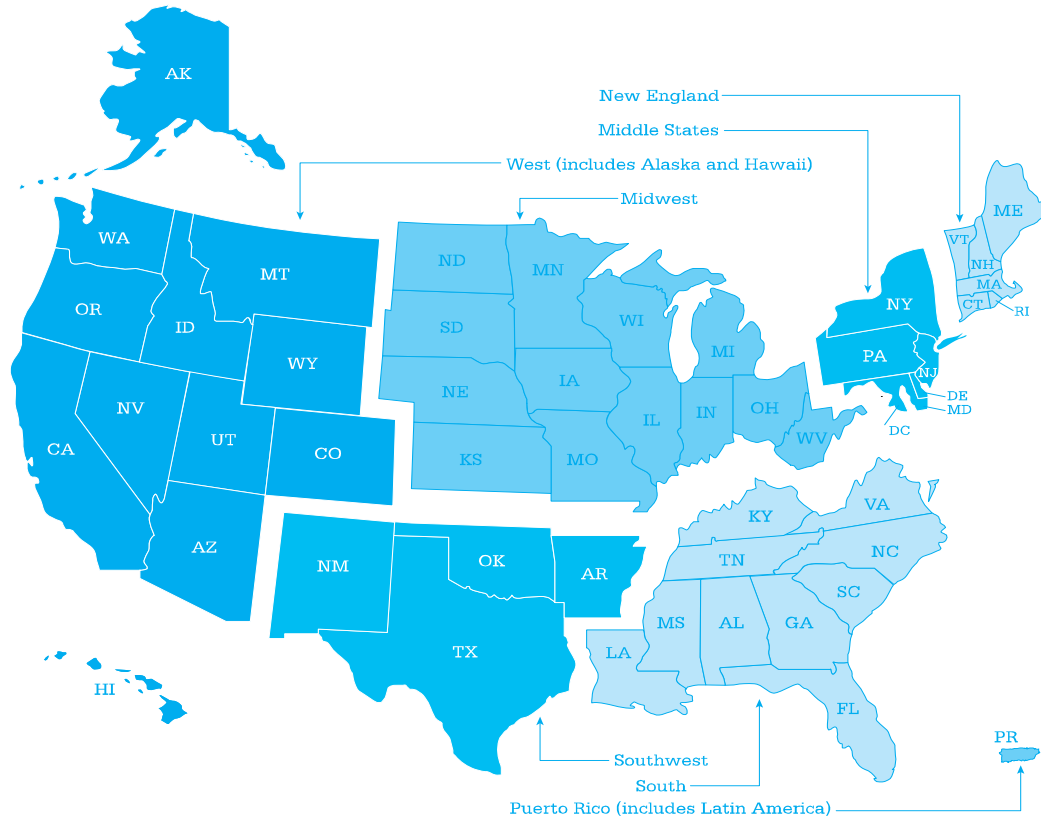
Table 27: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 60,112 students from your state who took the SAT and/or an SAT Subject Test, 46,162 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 2,159 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
James Madison University	VA	Public	15,443	33.5
Virginia Commonwealth University	VA	Public	12,004	26.0
Virginia Tech	VA	Public	11,502	24.9
George Mason University	VA	Public	11,260	24.4
University of Virginia	VA	Public	11,191	24.2
Old Dominion University	VA	Public	8,190	17.7
Christopher Newport University	VA	Public	7,009	15.2
College of William and Mary	VA	Public	6,360	13.8
Radford University	VA	Public	5,957	12.9
Longwood University	VA	Public	4,203	9.1
University of Mary Washington	VA	Public	4,073	8.8
NCAA Eligibility Center	IN	Public	2,635	5.7
Liberty University	VA	Private	2,161	4.7
University of Richmond	VA	Private	1,890	4.1
Bridgewater College	VA	Private	1,850	4.0
University of North Carolina at Chapel Hill	NC	Public	1,800	3.9
Virginia State University	VA	Public	1,796	3.9
Norfolk State University	VA	Public	1,783	3.9
Virginia Tech Center for Teacher Education	VA	Public	1,755	3.8
Lynchburg College	VA	Private	1,720	3.7
West Virginia University	WV	Public	1,613	3.5
University of South Carolina: Columbia	SC	Public	1,587	3.4
Penn State University Park	PA	Public	1,574	3.4
Duke University	NC	Private	1,492	3.2
Hampton University	VA	Private	1,354	2.9
Randolph-Macon College	VA	Private	1,347	2.9
East Carolina University	NC	Public	1,341	2.9
Cornell University	NY	Private	1,258	2.7
Shenandoah University	VA	Private	1,223	2.6
Roanoke College	VA	Private	1,185	2.6
North Carolina State University	NC	Public	1,173	2.5
Ferrum College	VA	Private	1,132	2.5
Clemson University	SC	Public	1,131	2.5
Georgetown University	DC	Private	1,096	2.4
University of Maryland: College Park	MD	Public	1,085	2.4
Princeton University	NJ	Private	1,056	2.3
Drexel University	PA	Private	1,055	2.3
University of Pennsylvania	PA	Private	1,046	2.3
New York University	NY	Private	986	2.1
Virginia Military Institute	VA	Public	977	2.1
Harvard College	MA	Private	967	2.1
Virginia Union University	VA	Private	961	2.1
Georgia Institute of Technology	GA	Public	929	2.0
Stanford University	CA	Private	911	2.0
Johns Hopkins University	MD	Private	902	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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