

SAT[®]

2016 College-Bound Seniors

State Profile Report



CALIFORNIA

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 2016 who took the pre-March 2016 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, 2016.*** 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, please contact the College Board communications department at communications@collegeboard.org.

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The SAT® Program

The SAT® 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 2016* includes students who tested through January 2016. The College Board administered the first redesigned SAT in March 2016. While a majority of the Class of 2016 took only the pre-March 2016 SAT, a small percentage took the new SAT. The report includes senior test-takers in this class who took the SAT prior to March 2016. To help schools with the transition to the new SAT, we have included an addendum on results from the March - June 2016 administrations.

Using This Report

College-Bound Seniors presents data on high school graduates in the year 2016 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, 1972–2016

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
2016	495	493	494	524	494	508	475	487	482

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 2000–2016, 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 2015 include students testing through June. Cohort data presented for 2016 includes test-takers through January 2016. 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 2016. Information is summarized for seniors who took the SAT at any time during their high school years through January 2016. If a student took the pre-March 2016 SAT more than once, the most recent score is used. A small percentage of seniors take their first SAT between March and June of their senior years.

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	241,589	491	115	500	121	485	113	48.4	11.4	7.1	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	108,032	496	117	520	124	482	115	48.5	11.6	6.9	1.7
Female	133,557	486	113	485	116	487	112	48.4	11.3	7.2	1.5

Table 3: Year in Which Seniors Last Took the SAT

Scores are from the last administration in which seniors took the pre-March 2016 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 (2015-2016)	166,835	480	106	488	113	473	104	47.2	10.5	7.0	1.5
Junior (2014-2015)	74,149	514	128	527	133	510	128	51.1	12.8	7.2	1.6
Sophomore (2013-2014)	574	623	134	651	131	622	143	62.3	13.9	8.2	1.8
Freshman (2012-2013)	31	566	140	569	156	544	149	55.8	14.7	6.7	2.4
Total	241,589	491	115	500	121	485	113	48.4	11.4	7.1	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	1,637,589	494	117	508	121	482	115	48.4	11.7	6.9	1.7

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	560	570	590	560
50th	480	490	470	490	500	480
25th	410	410	400	410	420	400

Table 6: Score Distributions

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	5,726	5,762	11,488	9,836	6,233	16,069	5,271	6,432	11,703
600-690	16,023	17,435	33,458	20,382	17,208	37,590	12,863	16,174	29,037
500-590	30,062	35,680	65,742	30,405	34,298	64,703	27,059	35,041	62,100
400-490	35,118	46,403	81,521	29,999	45,125	75,124	37,277	47,667	84,944
300-390	17,081	23,660	40,741	14,094	25,617	39,711	21,796	24,926	46,722
200-290	4,022	4,617	8,639	3,316	5,076	8,392	3,766	3,317	7,083

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	214,265	89	44	56	484	494	477
Religiously Affiliated	19,556	8	50	50	535	539	533
Independent	5,949	2	49	51	585	596	586
Other or Unknown	1,819		43	57	527	517	511

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	1,109	0	482	106	484	106	467	102
Asian or Asian American	44,380	18	530	121	576	125	532	127
Black or African American	13,409	6	447	104	436	104	437	98
Native Hawaiian or Pacific Islander	590	0	444	100	452	106	434	97
Hispanic, Latino, or Latin American	104,441	43	445	97	448	99	439	91
White	61,413	25	544	102	546	104	534	102
Two or More Races, non-Hispanic	5,262	2	520	106	517	113	506	107
Other	2,794	1	536	127	544	126	533	125
No Response	8,191	3	502	125	506	131	494	125
Total	241,589	100	491	115	500	121	485	113

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	511	0	484	111	503	112	465	106
Asian or Asian American	21,554	9	532	122	590	125	526	128
Black or African American	6,008	2	441	105	442	108	426	98
Native Hawaiian or Pacific Islander	264	0	438	103	462	115	426	100
Hispanic, Latino, or Latin American	43,734	18	449	100	466	104	435	93
White	28,605	12	548	104	566	107	528	104
Two or More Races, non-Hispanic	2,190	1	523	109	537	115	499	108
Other	1,252	1	537	129	560	128	527	129
No Response	3,914	2	501	128	519	134	487	127
Total	108,032	45	496	117	520	124	482	115

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	598	0	481	102	467	97	468	99
Asian or Asian American	22,826	9	529	120	563	124	537	125
Black or African American	7,401	3	451	102	431	100	446	97
Native Hawaiian or Pacific Islander	326	0	449	98	444	97	441	93
Hispanic, Latino, or Latin American	60,707	25	441	95	435	93	442	90
White	32,808	14	541	100	529	99	538	100
Two or More Races, non-Hispanic	3,072	1	518	103	503	109	510	105
Other	1,542	1	536	124	532	123	539	122
No Response	4,277	2	503	122	494	126	501	122
Total	133,557	55	486	113	485	116	487	112

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	241,589	100	491	115	500	121	485	113
First Language Learned								
English	124,325	52	514	109	515	114	503	108
English and Another	72,979	31	469	115	482	125	467	115
Another Language	41,884	18	458	113	490	126	460	114
No Response	2,401		470	142	481	146	466	137
Citizenship								
U.S. Citizen / U.S. National	220,736	94	495	113	501	119	488	112
U.S. Permanent Resident or Refugee	9,191	4	463	124	507	138	466	127
Citizen of Another Country	5,587	2	455	112	527	140	464	117
Other, Unknown, or No Response	6,075		421	111	446	127	421	111
Plans to Apply for Financial Aid								
Yes	169,102	81	488	108	495	114	480	106
No	10,374	5	547	115	564	122	545	119
Don't Know	29,266	14	518	122	536	129	514	124
No Response	32,847		464	127	479	134	461	126
Family Income								
Less than \$20,000	25,988	16	433	97	443	103	428	92
About \$20,000 to \$40,000	32,244	20	458	97	468	103	452	93
About \$40,001 to \$60,000	22,053	14	479	99	487	106	470	96
About \$60,001 to \$80,000	16,281	10	496	101	503	105	487	98
About \$80,001 to \$100,000	15,786	10	517	101	524	108	507	101
About \$100,001 to \$140,000	19,020	12	531	102	539	108	522	102
About \$140,001 to \$200,000	13,361	8	548	102	557	109	540	105
More than \$200,000	12,995	8	578	105	591	110	577	109
No Response	83,861		486	124	498	131	482	123
Highest Level of Parental Education								
No High School Diploma	35,335	16	423	90	435	96	421	84
High School Diploma	74,905	33	461	97	469	105	454	93
Associate Degree	15,042	7	482	95	486	102	471	92
Bachelor's Degree	56,279	25	530	103	541	111	522	105
Graduate Degree	43,064	19	571	112	581	119	567	116
No Response	16,964		435	126	452	133	433	122
Took the PSAT/NMSQT®								
Yes, As a Junior	52,811	29	502	113	514	118	498	111
Yes, As a Sophomore or Younger	47,106	26	502	111	516	119	497	111
Yes, As a Junior and As a Sophomore or Younger	52,796	29	535	113	547	117	533	113
No	30,870	17	465	108	477	116	458	104
No Response	58,006		444	103	446	108	432	97

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	31,528	31	43	57	573	595	570
Second Tenth	27,515	27	46	54	499	516	493
Second Fifth	20,135	20	49	51	473	483	464
Final Three Fifths	21,628	21	47	53	433	436	425
No Response	140,783		44	56	482	489	476

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)	11,076	5	39	61	585	598	583
A (93–96)	41,026	18	39	61	560	579	560
A- (90–92)	43,982	19	42	58	525	543	522
B (80–89)	107,220	47	46	54	461	467	453
C (70–79)	22,391	10	55	45	410	410	400
D, E, or F (below 70)	448	0	62	38	382	377	368
No Response	15,446		46	54	465	470	454
Mean Grade Point Average	All Students: 3.32		Male: 3.26		Female: 3.38		

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	2.0	1.9	3.76	3.86	3.82
English and Language Arts	3.8	3.8	3.8	3.31	3.50	3.42
Foreign and Classical Languages	2.7	2.8	2.8	3.34	3.54	3.46
Mathematics	3.7	3.7	3.7	3.13	3.10	3.11
Natural Sciences	3.4	3.4	3.4	3.28	3.29	3.29
Social Sciences and History	3.3	3.3	3.3	3.42	3.45	3.44
Total for All Subjects	18.7	19.0	18.9			

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	18,060	9	41	59	521	535	518
4 Years	152,104	77	43	57	506	514	499
3 Years	15,312	8	43	57	448	456	444
2 Years	3,413	2	45	55	469	489	467
1 Year	2,577	1	43	57	445	458	442
1/2 Year or Less	5,597	3	49	51	407	424	402
No Response	44,526		51	49	455	469	451
AP [®] /Honors Courses	98,857	50	38	62	540	545	534
Course Work or Experience							
English/Language Arts	197,233	98	44	56	494	501	487
Journalism	13,709	7	34	66	512	508	509
Creative Writing	20,615	10	40	60	503	501	497
American Literature	98,197	49	43	57	506	514	501
Composition/Writing	79,622	40	42	58	500	505	495
British Literature	20,391	10	44	56	535	539	529
World Literature	35,277	18	46	54	516	524	511
Communications	6,325	3	45	55	495	509	493
Public Speaking	15,726	8	44	56	518	523	513
English As Second Language	7,770	4	43	57	434	494	441

Mathematics Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	28,638	14	47	53	534	561	529
4 Years	128,120	62	44	56	508	517	501
3 Years	35,977	17	41	59	456	448	446
2 Years	4,275	2	47	53	452	465	448
1 Year	2,749	1	49	51	445	472	440
1/2 Year or Less	8,003	4	45	55	408	413	404
No Response	33,827		50	50	455	468	453
AP/Honors Courses	91,792	44	45	55	546	573	541
Highest Level of Mathematics Achieved*							
Calculus	73,340	34	49	51	557	592	553
Pre-calculus	64,930	31	41	59	483	488	475
Geometry	69,857	33	41	59	441	428	432
Algebra II	2,380	1	46	54	440	433	431
Algebra I	981	0	43	57	386	357	378

*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	15,645	8	44	56	543	565	540
4 Years	87,440	45	44	56	524	535	517
3 Years	64,032	33	42	58	477	481	469
2 Years	17,181	9	43	57	455	459	448
1 Year	3,619	2	49	51	461	480	455
1/2 Year or Less	6,069	3	44	56	411	422	408
No Response	47,603		50	50	457	469	453
AP/Honors Courses	78,607	41	43	57	551	570	546
Course Work or Experience							
Biology	202,978	98	44	56	494	503	487
Chemistry	190,509	92	43	57	498	508	491
Physics	104,105	50	50	50	519	539	512
Geology, Earth, or Space Science	68,313	33	44	56	487	487	479
Other Sciences	74,314	36	38	62	490	492	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	11,681	6	43	57	536	546	532
4 Years	76,841	40	43	57	520	524	512
3 Years	77,326	40	42	58	491	503	484
2 Years	16,808	9	46	54	460	474	455
1 Year	3,310	2	46	54	454	473	450
1/2 Year or Less	5,264	3	45	55	406	421	403
No Response	50,359		50	50	457	470	452
AP/Honors Courses	82,486	43	42	58	547	556	541
Course Work or Experience							
U.S. History	200,878	98	44	56	494	503	487
World History or Cultures	172,720	84	44	56	491	500	485
U.S. Government or Civics	158,996	78	43	57	499	508	492
Economics	131,688	64	42	58	498	509	492
Geography	47,547	23	44	56	502	511	494
Psychology	54,554	27	34	66	519	521	513
European History	34,965	17	44	56	554	559	546
Sociology	11,459	6	34	66	491	489	483
Ancient History	8,436	4	50	50	530	533	524
Other Courses	15,534	8	43	57	524	527	517

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

Academic Information

Course-Taking Patterns

Table 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	8,549	4	39	61	557	576	560
4 Years	35,996	19	40	60	550	559	549
3 Years	73,745	38	43	57	511	521	505
2 Years	61,231	32	45	55	464	468	452
1 Year	6,214	3	45	55	432	445	426
1/2 Year or Less	7,294	4	48	52	417	437	413
No Response	48,560		51	49	457	470	452
AP/Honors Courses	45,028	23	38	62	539	553	540
Course Work or Experience							
Chinese	8,234	4	50	50	545	597	543
French	27,159	13	36	64	515	515	505
German	2,813	1	52	48	523	524	506
Greek	267	0	43	57	480	477	478
Hebrew	637	0	42	58	533	530	542
Italian	1,571	1	40	60	500	495	491
Japanese	3,926	2	48	52	536	564	522
Korean	1,121	1	42	58	497	544	504
Latin	3,402	2	50	50	569	561	556
Russian	535	0	46	54	470	470	464
Spanish	160,341	79	44	56	487	494	481
Other Languages	8,311	4	38	62	471	481	462

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

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	6,456	5	39	61	539	542	529
4 Years	15,363	12	36	64	530	529	521
3 Years	12,811	10	37	63	499	500	490
2 Years	29,037	22	41	59	488	494	480
1 Year	55,148	42	45	55	487	499	481
1/2 Year or Less	11,986	9	47	53	457	469	450
No Response	110,788		48	52	487	500	483
AP/Honors Courses	10,713	8	36	64	543	549	538
Course Work or Experience							
Acting or Play Production	27,384	14	34	66	525	514	516
Art History or Appreciation	34,317	18	41	59	497	500	490
Dance	30,315	16	13	87	488	488	488
Drama: Study or Appreciation	30,250	16	33	67	501	495	494
Music: Study or Appreciation	20,319	11	46	54	529	531	522
Music Performance	63,987	33	42	58	518	526	511
Photography or Film	49,781	26	41	59	499	503	493
Studio Art and Design	47,965	25	40	60	508	515	501
None	25,752	13	54	46	464	479	456

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
49,189	119,562	42,606	590	623	596

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	8,103	16
2	19,329	39
3	16,173	33
4 or More	5,584	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 pre-March 2016 SAT.

	SAT Subject Test			SAT						
	N	Mean	SD	N	Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
English										
Literature	13,702	568	126	11,486	586	130	580	127	587	131
History and Social Studies										
U.S. History	16,466	609	120	14,121	610	116	620	119	613	119
World History	2,701	592	115	2,286	633	109	642	111	636	112
Mathematics										
Mathematics Level 1	6,633	530	116	5,400	521	118	551	122	525	121
Mathematics Level 2	32,859	658	111	28,971	610	111	659	104	619	113
Science										
Biology-E	7,175	608	119	6,298	608	115	629	117	613	118
Biology-M	7,997	639	116	7,061	620	110	648	109	627	114
Chemistry	11,705	650	112	10,300	630	111	680	102	639	114
Physics	6,996	646	104	6,147	626	108	686	95	627	111
Foreign and Classical Languages										
Chinese/Listening	2,333	771	49	1,845	579	140	687	94	601	138
French	927	612	127	788	638	102	643	102	654	102
French/Listening	220	667	115	195	634	95	642	89	643	100
German	52	653	117	43	629	96	637	97	630	94
German/Listening	53	630	124	47	643	96	640	108	631	95
Modern Hebrew	99	663	143	77	597	103	622	92	630	97
Italian	58	677	94	51	608	91	609	97	619	94
Japanese/Listening	436	713	109	365	576	111	655	94	590	104
Korean/Listening	1,183	761	60	985	577	111	678	89	618	108
Latin	199	633	115	179	700	83	694	85	702	81
Spanish	6,604	662	101	6,023	514	125	526	125	523	128
Spanish/Listening	1,164	665	102	1,078	518	118	531	120	525	121

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	989	7	2,051	12	275	10
700-740	1,603	12	2,723	17	322	12
650-690	1,922	14	2,533	15	349	13
600-640	1,853	14	2,499	15	348	13
550-590	1,552	11	1,881	11	445	16
500-540	1,286	9	1,538	9	354	13
450-490	1,521	11	1,174	7	313	12
400-440	1,556	11	1,010	6	175	6
350-390	1,067	8	838	5	97	4
300-340	324	2	209	1	21	1
250-290	29	0	10	0	2	0
200-240						
Total	13,702		16,466		2,701	
Mean	568		609		592	
SD	126		120		115	
75th percentile	670		710		680	
50th percentile	580		630		590	
25th percentile	460		530		510	

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	202	3	9,749	30	925	13	1,539	19	2,872	25	1,482	21
700-740	509	8	4,155	13	968	13	1,481	19	2,019	17	1,081	15
650-690	597	9	4,339	13	1,088	15	1,294	16	1,851	16	1,152	16
600-640	723	11	4,872	15	1,202	17	1,248	16	1,528	13	1,100	16
550-590	836	13	4,087	12	1,025	14	826	10	1,163	10	858	12
500-540	897	14	2,633	8	739	10	587	7	877	7	637	9
450-490	1,033	16	1,737	5	444	6	403	5	677	6	459	7
400-440	988	15	949	3	321	4	293	4	581	5	201	3
350-390	675	10	233	1	276	4	188	2	131	1	26	0
300-340	162	2	105	0	159	2	128	2	6	0		
250-290	11	0			27	0	10	0				
200-240					1	0						
Total	6,633		32,859		7,175		7,997		11,705		6,996	
Mean	530		658		608		639		650		646	
SD	116		111		119		116		112		104	
75th percentile	620		760		700		730		740		730	
50th percentile	520		660		620		660		670		650	
25th percentile	430		580		530		570		570		570	

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	1,956	84	187	20	72	33	13	25	11	21	44	44
700-740	227	10	97	10	32	15	12	23	11	21	10	10
650-690	78	3	104	11	30	14	7	13	7	13	6	6
600-640	36	2	102	11	27	12	8	15	4	8	10	10
550-590	17	1	124	13	23	10	1	2	10	19	8	8
500-540	6	0	110	12	15	7	2	4	1	2	3	3
450-490	6	0	103	11	11	5	5	10	3	6	7	7
400-440	6	0	64	7	6	3	4	8	5	9	3	3
350-390	1	0	32	3	4	2					6	6
300-340			4	0							2	2
250-290									1	2		
200-240												
Total	2,333		927		220		52		53		99	
Mean	771		612		667		653		630		663	
SD	49		127		115		117		124		143	
75th percentile	800		720		770		740		730		790	
50th percentile	790		600		690		660		650		710	
25th percentile	770		510		580		600		570		570	

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	20	34	238	55	919	78	38	19	1,567	24	309	27
700-740	7	12	79	18	135	11	35	18	1,303	20	223	19
650-690	8	14	34	8	60	5	29	15	1,230	19	209	18
600-640	9	16	20	5	29	2	27	14	974	15	159	14
550-590	8	14	25	6	18	2	16	8	581	9	107	9
500-540	6	10	12	3	15	1	22	11	419	6	65	6
450-490			14	3	6	1	20	10	287	4	52	4
400-440			1	0	1	0	10	5	157	2	22	2
350-390			5	1			2	1	74	1	12	1
300-340			6	1					11	0	6	1
250-290			1	0					1	0		
200-240			1	0								
Total	58		436		1,183		199		6,604		1,164	
Mean	677		713		761		633		662		665	
SD	94		109		60		115		101		102	
75th percentile	770		790		800		730		740		750	
50th percentile	670		760		790		650		680		680	
25th percentile	590		680		750		540		600		600	

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	1,945	1	471	473	465
Architecture and Related Services	2,448	1	476	509	475
Area, Ethnic, Cultural and Gender Studies	355	0	518	484	504
Biological and Biomedical Sciences	18,108	9	529	539	524
Business Management, Marketing, and Related Support Services	21,911	11	492	512	490
Communication, Journalism and Related Programs	4,358	2	510	490	508
Computer and Information Sciences and Support Services	7,634	4	539	569	521
Construction Trades	60	0	410	459	406
Education	5,872	3	472	473	469
Engineering	20,306	10	520	564	509
Engineering Technologies/Technicians	3,430	2	482	524	471
English Language and Literature/Letters	2,578	1	565	513	550
Family and Consumer Sciences/Human Sciences	572	0	444	448	447
Foreign Languages, Literatures, and Linguistics	1,137	1	515	498	503
Health Professions and Related Clinical Services	34,162	17	474	482	473
History	1,612	1	519	488	493
Legal Professions and Studies	4,218	2	512	501	504
Liberal Arts and Sciences, General Studies, and Humanities	1,287	1	541	517	534
Library Science And Administration	19	0	570	521	509
Mathematics and Statistics	1,870	1	524	594	522
Mechanic and Repair Technologies/Technician	402	0	413	430	402
Military Technologies And Applied Sciences	716	0	474	484	451
Multi/Interdisciplinary Studies	1,746	1	570	576	566
Natural Resources and Conservation	1,071	1	537	527	522
Parks, Recreation, Leisure and Fitness Studies	1,097	1	435	456	435
Personal and Culinary Services	407	0	453	450	442
Philosophy and Religious Studies	408	0	544	525	526
Physical Sciences	3,231	2	547	570	532
Precision Production	7	0	507	469	479
Psychology	11,721	6	487	474	481
Public Administration and Social Services Professions	1,161	1	448	439	447
Security and Protective Services	7,634	4	432	435	428
Social Sciences	4,295	2	536	519	526
Theology and Religious Vocations	225	0	520	499	504
Transportation and Materials Moving	72	0	446	473	434
Visual and Performing Arts	14,163	7	497	488	488
Other	2,581	1	447	451	441
Undecided	15,198	8	517	528	512
Degree-Level Goal					
Certificate Program	1,124	1	433	448	427
Associate Degree	1,508	1	398	401	392
Bachelor's Degree	53,312	25	472	479	463
Master's Degree	73,552	35	498	509	493
Doctoral or Related Degree	50,058	24	523	532	519
Other	918	0	409	423	410
Undecided	28,945	14	495	504	486

College Plans

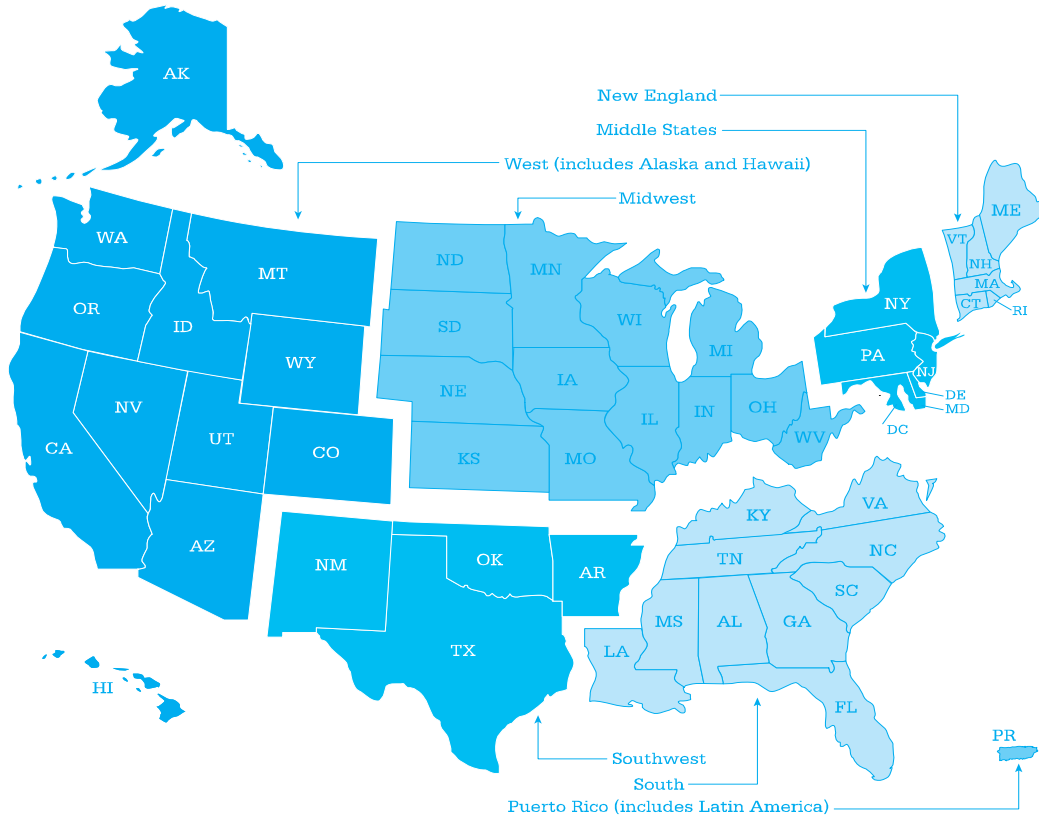
Table 26: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 248,172 students from your state who took the SAT and/or an SAT Subject Test, 184,938 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 2,871 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
California State University Mentor	CA	Public	60,195	32.5
University of California: Los Angeles	CA	Public	31,009	16.8
University of California: Irvine	CA	Public	28,548	15.4
University of California: Berkeley	CA	Public	25,242	13.6
San Diego State University	CA	Public	23,785	12.9
California State University: Long Beach	CA	Public	23,548	12.7
University of California: Davis	CA	Public	23,543	12.7
University of Southern California	CA	Private	22,443	12.1
University of California: Santa Barbara	CA	Public	22,340	12.1
University of California: San Diego	CA	Public	21,471	11.6
California State University: Fullerton	CA	Public	18,941	10.2
California Polytechnic State Univ San Luis Obispo	CA	Public	17,756	9.6
University of California: Santa Cruz	CA	Public	16,499	8.9
University of California: Riverside	CA	Public	16,455	8.9
San Francisco State University	CA	Public	16,105	8.7
Stanford University	CA	Private	15,663	8.5
California State Polytechnic University: Pomona	CA	Public	13,813	7.5
San Jose State University	CA	Public	13,702	7.4
California State University: Northridge	CA	Public	13,600	7.4
California State University: Los Angeles	CA	Public	13,369	7.2
California State University: Sacramento	CA	Public	11,752	6.4
California State University: Chico	CA	Public	10,334	5.6
University of Washington	WA	Public	9,404	5.1
California State University: Fresno	CA	Public	9,288	5.0
University of San Diego	CA	Private	8,936	4.8
University of California: Merced	CA	Public	7,934	4.3
California State University: Monterey Bay	CA	Public	7,894	4.3
New York University	NY	Private	7,615	4.1
Santa Clara University	CA	Private	7,475	4.0
California State University: San Marcos	CA	Public	7,349	4.0
University of Oregon	OR	Public	7,314	4.0
California State University: San Bernardino	CA	Public	7,212	3.9
California State University: East Bay	CA	Public	7,134	3.9
Sonoma State University	CA	Public	6,675	3.6
University of San Francisco	CA	Private	6,667	3.6
Loyola Marymount University	CA	Private	6,648	3.6
NCAA Eligibility Center	IN	Public	6,538	3.5
Chapman University	CA	Private	6,374	3.4
Boston University	MA	Private	6,340	3.4
Harvard College	MA	Private	6,060	3.3
California State University: Dominguez Hills	CA	Public	5,966	3.2
Cornell University	NY	Private	5,839	3.2
Pepperdine University	CA	Private	5,405	2.9
Arizona State University	AZ	Public	5,260	2.8
University of Michigan	MI	Public	5,211	2.8

*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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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

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781-663-2743 (Fax)

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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)