



2012 College-Bound Seniors

State Profile Report



COLORADO

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 2012 who took the SAT[®] or SAT Subject Tests[™] at any time during high school. Data and other information in this report should not be released to the public before 11 a.m. EDT on Monday, September 24, 2012.*

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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 2012 includes students who tested through June 2012.

Using This Report

College-Bound Seniors presents data on high school graduates in the year 2012 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, 1972–2012

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

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 2000–2012, 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/sat-reports-2012.

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SAT® Data

Data in this report are for high school graduates in the year 2012. Information is summarized for seniors who took the SAT at any time during their high school years through June 2012. 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	8,521	575	98	581	99	562	96	56.4	9.9	7.8	1.4

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	3,876	578	99	601	101	554	99	55.8	10.1	7.6	1.5
Female	4,645	572	97	564	95	570	94	56.9	9.7	8.0	1.3

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 (2011-2012)	4,188	569	101	573	102	555	98	55.7	10.0	7.8	1.4
Junior (2010-2011)	4,289	580	95	589	96	570	94	57.1	9.7	7.9	1.4
Sophomore (2009-2010)	38	568	90	599	87	549	78	55.1	7.7	7.8	1.1
Freshman (2008-2009)	6	560		527		505		51.7		6.7	
Total	8,521	575	98	581	99	562	96	56.4	9.9	7.8	1.4

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	1,664,479	496	114	514	117	488	114	48.9	11.5	7.2	1.6

*Writing data are based on students who took the current version of the SAT, first administered in March 2005. All students in the 2012 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	640	650	630	570	600	560
50th	570	580	560	490	510	480
25th	510	510	500	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	467	509	976	701	371	1,072	288	428	716
600-690	1,237	1,364	2,601	1,450	1,432	2,882	1,043	1,407	2,450
500-590	1,379	1,820	3,199	1,143	1,770	2,913	1,456	1,838	3,294
400-490	662	793	1,455	481	882	1,363	884	839	1,723
300-390	118	143	261	87	170	257	187	126	313
200-290	13	16	29	14	20	34	18	7	25

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	6,623	81	45	55	578	587	565
Religiously Affiliated	1,035	13	47	53	558	559	553
Independent	482	6	51	49	582	583	574
Other or Unknown	381		49	51	547	530	524

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	418	5	553	105	560	108	537	100
Nonstandard Conditions	185	2	582	97	599	111	563	98

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	55	1	544	74	537	86	536	76
Asian, Asian American, or Pacific Islander	720	8	560	112	613	107	566	114
Black or African American	265	3	515	104	498	100	501	94
Mexican or Mexican American	221	3	534	89	540	90	524	90
Puerto Rican	31	0	557	112	565	108	534	118
Other Hispanic, Latino, or Latin American	350	4	544	97	546	103	531	93
White	6,476	76	583	94	586	95	569	93
Other	216	3	568	96	566	105	558	96
No Response	187	2	568	102	554	102	542	94
Total	8,521	100	575	98	581	99	562	96

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	20	0	559		577		544	
Asian, Asian American, or Pacific Islander	295	3	571	113	633	110	565	118
Black or African American	113	1	504	104	502	109	487	97
Mexican or Mexican American	111	1	545	93	561	91	534	93
Puerto Rican	17	0	573		585		531	
Other Hispanic, Latino, or Latin American	153	2	553	104	572	103	524	93
White	2,984	35	584	96	607	96	558	96
Other	92	1	570	101	586	118	556	103
No Response	91	1	572	99	569	99	532	92
Total	3,876	45	578	99	601	101	554	99

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	35	0	535	76	514	76	532	76
Asian, Asian American, or Pacific Islander	425	5	553	111	599	103	566	111
Black or African American	152	2	524	103	495	93	512	91
Mexican or Mexican American	110	1	524	83	520	84	515	86
Puerto Rican	14	0	537		542		539	
Other Hispanic, Latino, or Latin American	197	2	537	91	527	99	536	93
White	3,492	41	581	93	568	91	578	90
Other	124	1	567	92	551	92	560	90
No Response	96	1	565	105	541	103	551	95
Total	4,645	55	572	97	564	95	570	94

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	8,521	100	575	98	581	99	562	96
First Language Learned								
English	7,356	88	579	95	581	98	565	94
English and Another	580	7	566	102	584	111	560	107
Another Language	450	5	518	113	583	110	529	115
No Response	135		569	104	559	100	547	98
Citizenship								
U.S. Citizen / U.S. National	8,042	97	578	96	581	99	564	95
U.S. Permanent Resident or Refugee	135	2	556	115	603	105	568	122
Citizen of Another Country	130	2	488	119	596	116	510	109
Other, Unknown, or No Response	214		532	113	550	100	524	108
Plans to Apply for Financial Aid								
Yes	5,173	72	578	97	581	99	564	95
No	606	8	565	101	579	98	555	96
Don't Know	1,386	19	573	100	583	100	563	99
No Response	1,356		570	98	578	99	559	98
Family Income								
\$0 - \$20,000	167	4	518	111	515	108	507	96
\$20,000–\$40,000	320	8	549	106	550	102	531	99
\$40,000–\$60,000	450	12	558	96	568	99	544	98
\$60,000–\$80,000	467	12	562	101	565	104	543	93
\$80,000–\$100,000	482	13	573	98	576	94	555	92
\$100,000–\$120,000	573	15	577	95	584	96	560	97
\$120,000–\$140,000	316	8	583	99	592	98	573	93
\$140,000–\$160,000	228	6	580	99	589	96	562	96
\$160,000–\$200,000	311	8	579	95	582	93	567	92
More than \$200,000	515	13	583	94	603	95	575	98
No Response	4,692		579	96	585	99	569	95
Highest Level of Parental Education								
No High School Diploma	79	1	488	98	523	104	482	99
High School Diploma	862	11	534	97	538	102	521	93
Associate Degree	273	3	549	89	548	102	525	87
Bachelor's Degree	3,344	41	568	94	578	96	556	90
Graduate Degree	3,507	43	600	94	604	94	589	94
No Response	456		536	106	540	104	524	103
Took the PSAT/NMSQT®								
Yes, As a Junior	3,368	44	578	95	584	96	566	92
Yes, As a Sophomore or Younger	1,384	18	567	91	574	96	552	88
Yes, As a Junior and As a Sophomore or Younger	1,812	24	604	97	612	98	597	98
No	1,130	15	536	101	540	102	517	95
No Response	827		563	97	569	97	552	95

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	2,142	50	44	56	622	641	615
Second Tenth	1,128	26	45	55	571	583	559
Second Fifth	608	14	49	51	545	551	524
Final Three Fifths	396	9	54	46	503	503	485
No Response	4,247		45	55	563	562	549

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)	1,037	13	42	58	628	640	620
A (93–96)	2,389	29	38	62	607	618	601
A- (90–92)	1,915	24	45	55	578	585	565
B (80–89)	2,471	30	51	49	532	534	514
C (70–79)	301	4	61	39	492	491	472
D, E, or F (below 70)	10	0	70	30	532	545	520
No Response	398		52	48	557	550	536
Mean Grade Point Average	All Students: 3.62		Male: 3.55		Female: 3.68		

Table 15: Average Years of Study in Six Academic Subjects

SAT	Average Years of Study			Grade Point Average: Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	2.2	2.7	2.5	3.83	3.95	3.90
English and Language Arts	4.0	4.0	4.0	3.54	3.72	3.64
Foreign and Classical Languages	3.2	3.5	3.3	3.47	3.65	3.57
Mathematics	4.1	4.1	4.1	3.46	3.46	3.46
Natural Sciences	3.9	3.9	3.9	3.54	3.59	3.57
Social Sciences and History	3.8	3.8	3.8	3.60	3.69	3.65
Total for All Subjects	21.2	22.0	21.6			

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	934	14	44	56	591	592	580	
4 Years	5,296	78	45	55	579	586	566	
3 Years	487	7	48	52	536	541	527	
2 Years	65	1	37	63	522	552	521	
1 Year	24	0	58	42	510	505	494	
1/2 Year or Less	27	0	78	22	519	547	507	
No Response	1,688		47	53	567	573	556	
AP®/Honors Courses	4,357	64	40	60	605	605	593	
Course Work or Experience								
English/Language Arts	6,263	97	44	56	577	583	565	
Journalism	758	12	32	68	582	567	573	
Creative Writing	1,590	25	41	59	570	563	557	
American Literature	4,533	71	44	56	576	580	564	
Composition/Writing	3,863	60	43	57	574	576	562	
British Literature	1,670	26	44	56	585	582	571	
World Literature	3,152	49	43	57	585	585	571	
Communications	711	11	44	56	565	569	556	
Public Speaking	2,094	33	44	56	577	577	566	
English As Second Language	193	3	37	63	492	557	503	

Mathematics	Test-Takers		Percent by Gender		SAT Mean Scores			
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,422	21	50	50	594	621	582	
4 Years	4,705	69	44	56	577	579	564	
3 Years	604	9	45	55	540	534	526	
2 Years	57	1	40	60	518	524	505	
1 Year	34	0	53	47	536	536	529	
1/2 Year or Less	24	0	63	38	541	533	540	
No Response	1,675		47	53	567	573	557	
AP/Honors Courses	4,075	60	46	54	607	626	595	
Highest Level of Mathematics Achieved*								
Calculus	3,084	46	49	51	611	641	600	
Pre-calculus	1,917	29	42	58	563	558	551	
Geometry	1,464	22	39	61	530	500	512	
Algebra II	73	1	44	56	535	520	517	
Algebra I	12	0	67	33	435	378	425	

*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	1,217	18	47	53	599	622	587	
4 Years	3,951	58	45	55	580	587	567	
3 Years	1,369	20	41	59	556	544	543	
2 Years	164	2	52	48	530	542	517	
1 Year	62	1	55	45	535	559	518	
1/2 Year or Less	42	1	55	45	514	544	508	
No Response	1,716		47	53	567	573	556	
AP/Honors Courses	3,625	53	46	54	610	623	597	
Course Work or Experience								
Biology	6,253	97	44	56	577	582	564	
Chemistry	6,008	93	45	55	579	587	567	
Physics	3,950	61	50	50	588	606	576	
Geology, Earth, or Space Science	3,145	49	44	56	559	559	543	
Other Sciences	2,536	39	39	61	568	571	557	

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	861	13	46	54	596	599	581	
4 Years	4,193	62	44	56	583	586	570	
3 Years	1,530	22	48	52	557	571	545	
2 Years	151	2	47	53	527	545	517	
1 Year	43	1	63	37	526	550	523	
1/2 Year or Less	29	0	62	38	500	536	497	
No Response	1,714		47	53	567	573	557	
AP/Honors Courses	3,917	58	42	58	608	610	594	
Course Work or Experience								
U.S. History	6,181	96	44	56	577	583	564	
World History or Cultures	5,115	79	44	56	578	583	566	
U.S. Government or Civics	5,195	80	44	56	577	582	563	
Economics	2,313	36	46	54	579	589	567	
Geography	4,332	67	42	58	574	580	563	
Psychology	2,262	35	35	65	571	570	559	
European History	2,068	32	45	55	598	598	585	
Sociology	743	11	35	65	554	552	541	
Ancient History	1,485	23	43	57	576	578	564	
Other Courses	1,183	18	40	60	583	580	568	

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	709	10	38	62	605	612	597
4 Years	2,420	36	40	60	601	603	593
3 Years	2,499	37	47	53	566	576	552
2 Years	987	14	55	45	538	541	516
1 Year	117	2	59	41	522	530	497
1/2 Year or Less	82	1	56	44	494	532	479
No Response	1,707		47	53	566	573	556
AP/Honors Courses	2,240	33	40	60	619	624	612
Course Work or Experience							
Chinese	169	3	50	50	577	620	572
French	1,228	19	32	68	589	580	574
German	419	6	55	45	588	589	560
Greek	26	0	54	46	623	579	594
Hebrew	37	1	46	54	591	587	584
Italian	37	1	43	57	584	558	555
Japanese	89	1	49	51	575	569	546
Korean	23	0	57	43	534	605	527
Latin	340	5	47	53	609	598	586
Russian	27	0	56	44	560	583	545
Spanish	4,712	72	46	54	574	582	563
Other Languages	111	2	41	59	554	556	541

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	624	9	38	62	592	591	579	
4 Years	1,485	22	35	65	588	582	577	
3 Years	970	14	40	60	568	570	559	
2 Years	1,514	23	45	55	573	581	558	
1 Year	1,255	19	54	46	572	589	559	
1/2 Year or Less	842	13	58	42	570	588	554	
No Response	1,831		48	52	567	574	556	
AP/Honors Courses	730	11	33	67	610	609	603	
Course Work or Experience								
Acting or Play Production	1,516	24	33	67	596	580	581	
Art History or Appreciation	910	14	36	64	577	566	565	
Dance	771	12	11	89	578	568	573	
Drama: Study or Appreciation	1,223	19	33	67	581	567	568	
Music: Study or Appreciation	933	15	45	55	594	587	581	
Music Performance	2,917	46	41	59	591	591	578	
Photography or Film	1,928	30	38	63	572	570	561	
Studio Art and Design	2,131	34	35	65	580	582	568	
None	722	11	66	34	555	584	542	

Computers	Test-Takers		Percent by Gender		SAT Mean Scores		
	Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics
Computer Literacy	3,832	62	46	54	579	583	565
Computer Programming	1,104	18	62	38	581	595	563
Word Processing	3,717	60	45	55	578	582	564
Internet Activity	2,856	46	46	54	581	581	567
Using Computer Graphics	2,446	40	50	50	578	583	562
Creating Spreadsheets/Databases	2,259	37	48	52	580	588	565
None	965	16	37	63	574	583	565

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
2,061	5,234	1,725	647	663	644

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	155	8
2	911	44
3	797	39
4 or More	198	10

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	787	643	84	681	658	82	638	81	655	80	
History and Social Studies											
U.S. History	580	644	93	487	655	81	646	80	649	85	
World History	145	642	98	128	673	78	665	84	666	77	
Mathematics											
Mathematics Level 1	525	631	83	428	619	85	634	78	619	84	
Mathematics Level 2	1,251	690	82	1,085	655	83	694	66	653	84	
Science											
Biology-E	213	662	84	178	660	79	657	76	652	77	
Biology-M	245	675	77	203	652	76	666	76	651	80	
Chemistry	633	668	95	533	658	86	697	72	655	86	
Physics	368	670	79	313	651	77	703	60	645	79	
Foreign and Classical Languages											
Chinese/Listening	18	719		15	614		674		649		
French	82	605	109	71	667	77	660	78	675	73	
French/Listening	20	624		19	678		645		691		
German	7	636		6	657		682		648		
German/Listening	10	573		8	586		578		578		
Modern Hebrew	2			2							
Italian	2			1							
Japanese/Listening	6	560		4							
Korean/Listening	13	775		11	567		655		612		
Latin	15	591		14	671		675		668		
Spanish	271	636	100	234	656	85	665	80	660	86	
Spanish/Listening	41	623	90	40	650	79	641	69	649	67	

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	91	12	76	13	29	20
700-740	171	22	123	21	19	13
650-690	155	20	121	21	24	17
600-640	139	18	90	16	18	12
550-590	120	15	72	12	34	23
500-540	73	9	54	9	10	7
450-490	29	4	33	6	8	6
400-440	5	1	7	1	3	2
350-390	4	1	4	1		
300-340						
250-290						
200-240						
Total	787		580		145	
Mean	643		644		642	
SD	84		93		98	
75th percentile	710		720		720	
50th percentile	650		660		640	
25th percentile	580		570		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	35	7	392	31	35	16	44	18	168	27	69	19
700-740	92	18	249	20	45	21	71	29	97	15	78	21
650-690	111	21	217	17	49	23	56	23	126	20	88	24
600-640	133	25	215	17	45	21	36	15	96	15	65	18
550-590	68	13	129	10	16	8	22	9	62	10	41	11
500-540	50	10	39	3	12	6	8	3	52	8	24	7
450-490	25	5	7	1	9	4	7	3	27	4	2	1
400-440	10	2	3	0	1	0	1	0	4	1	1	0
350-390	1	0			1	0			1	0		
300-340												
250-290												
200-240												
Total	525		1,251		213		245		633		368	
Mean	631		690		662		675		668		670	
SD	83		82		84		77		95		79	
75th percentile	690		760		730		730		750		730	
50th percentile	630		700		670		690		680		680	
25th percentile	580		620		620		630		600		620	

SAT Subject Tests Score Distributions

Table 24: Foreign and Classical Languages

SAT Subject Tests	Foreign and Classical Languages											
	Chinese/Listening		French		French/Listening		German		German/Listening		Modern Hebrew	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	10	56	10	12	2	10	2	29				
700-740	3	17	9	11	2	10	1	14	2	20		
650-690	1	6	13	16	4	20	1	14	1	10		
600-640	2	11	10	12	5	25						
550-590			14	17	3	15	1	14	2	20	1	50
500-540	1	6	9	11	2	10			2	20		
450-490			10	12	2	10	1	14	3	30		
400-440	1	6	6	7			1	14			1	50
350-390			1	1								
300-340												
250-290												
200-240												
Total	18		82		20		7		10		2	
Mean	719		605		624		636		573			
SD			109									
75th percentile			690		670							
50th percentile			600		620							
25th percentile			510		550							

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	1	50	2	33	12	92	2	13	36	13	3	7
700-740									51	19	7	17
650-690							3	20	48	18	8	20
600-640					1	8	2	13	48	18	8	20
550-590							3	20	42	15	4	10
500-540			1	17			1	7	21	8	7	17
450-490			1	17			2	13	12	4	4	10
400-440			1	17			2	13	9	3		
350-390	1	50	1	17					3	1		
300-340												
250-290									1	0		
200-240												
Total	2		6		13		15		271		41	
Mean			560		775		591		636		623	
SD									100		90	
75th percentile									710		680	
50th percentile									640		620	
25th percentile									570		530	

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	32	0	541	511	513
Architecture and Related Services	151	2	555	588	550
Area, Ethnic, Cultural and Gender Studies	12	0	568	527	588
Biological and Biomedical Sciences	643	8	598	605	584
Business Management, Marketing, and Related Support Services	759	10	552	578	548
Communication, Journalism and Related Programs	250	3	587	555	583
Computer and Information Sciences and Support Services	140	2	604	619	567
Construction Trades	1	0			
Education	260	3	549	543	548
Engineering	1,145	15	591	636	569
Engineering Technologies/Technicians	53	1	536	583	514
English Language and Literature/Letters	181	2	612	564	594
Family and Consumer Sciences/Human Sciences	16	0	521	543	533
Foreign Languages, Literatures, and Linguistics	92	1	605	576	600
Health Professions and Related Clinical Services	1,064	14	560	569	556
History	109	1	599	556	560
Legal Professions and Studies	192	3	588	576	579
Liberal Arts and Sciences, General Studies, and Humanities	128	2	608	584	601
Library Science And Administration	2	0			
Mathematics and Statistics	60	1	613	674	612
Mechanic and Repair Technologies/Technician	2	0			
Military Technologies And Applied Sciences	51	1	543	564	517
Multi/Interdisciplinary Studies	58	1	608	606	597
Natural Resources and Conservation	51	1	562	550	538
Parks, Recreation, Leisure and Fitness Studies	23	0	521	535	506
Personal and Culinary Services	10	0	522	482	535
Philosophy and Religious Studies	28	0	615	569	579
Physical Sciences	170	2	610	623	589
Precision Production					
Psychology	329	4	555	545	549
Public Administration and Social Services Professions	14	0	566	507	520
Security and Protective Services	102	1	518	527	498
Social Sciences	214	3	630	595	608
Theology and Religious Vocations	15	0	591	584	593
Transportation and Materials Moving	1	0			
Visual and Performing Arts	583	8	572	555	560
Other	93	1	552	552	545
Undecided	618	8	595	600	582
Degree-Level Goal					
Certificate Program	17	0	477	508	465
Associate Degree	20	0	484	498	484
Bachelor's Degree	1,996	27	545	547	530
Master's Degree	2,320	32	582	591	569
Doctoral or Related Degree	1,838	25	599	606	588
Other	23	0	551	533	552
Undecided	1,046	14	584	588	571

College Plans

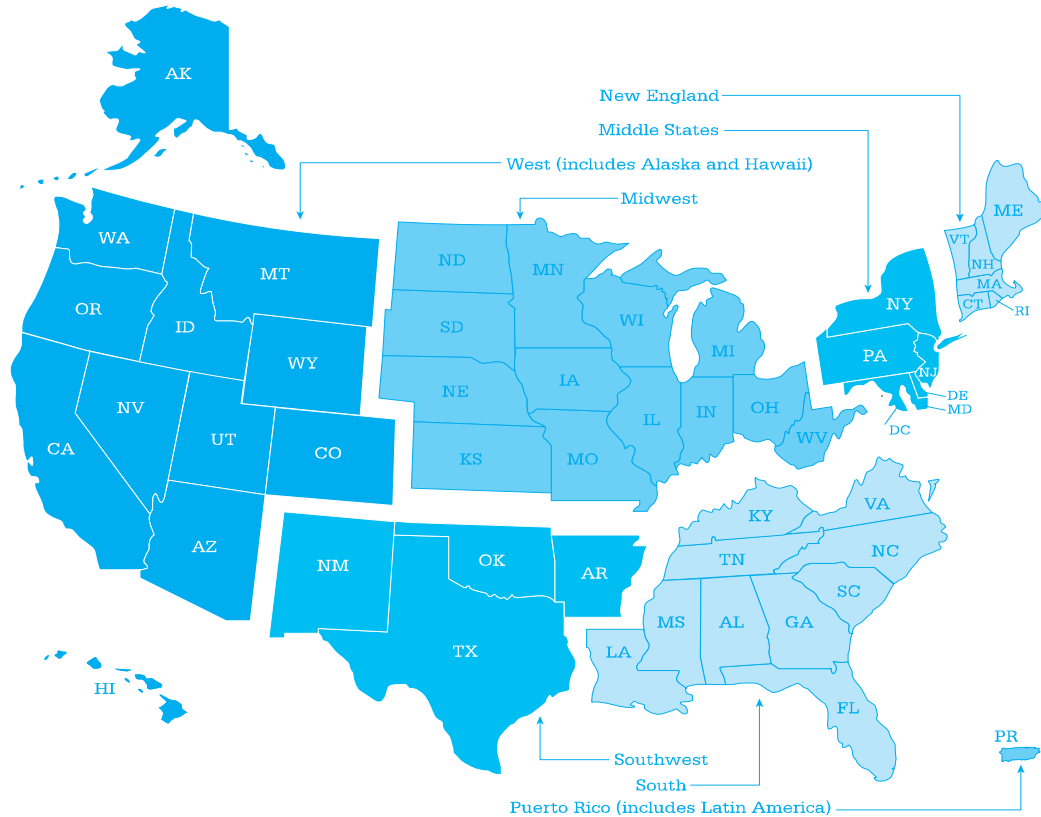
Table 27: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 8,857 students from your state who took the SAT and/or an SAT Subject Test, 5,773 designated that their score reports be sent to institutions. Students may designate more than one institution to receive scores. This list includes only the 45 institutions that received the most score reports. A total of 1,192 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
UNIVERSITY OF COLORADO BOULDER	CO	Public	2,267	39.3
COLORADO STATE UNIVERSITY FT COLLINS	CO	Public	1,509	26.1
UNIVERSITY OF DENVER	CO	Private	839	14.5
COLORADO SCHOOL OF MINES	CO	Public	769	13.3
STANFORD UNIVERSITY	CA	Private	589	10.2
UNIVERSITY OF COLORADO COLORADO SPRINGS	CO	Public	501	8.7
BOETTCHER FOUNDATION SCHOLARSHIP	CO	Scholarship	418	7.2
UNIVERSITY OF NORTHERN COLORADO	CO	Public	389	6.7
NCAA ELIGIBILITY CENTER	IN	Public	363	6.3
UNIVERSITY OF SOUTHERN CALIFORNIA	CA	Private	323	5.6
CORNELL UNIVERSITY	NY	Private	316	5.5
HARVARD UNDERGRADUATE ADMISSIONS	MA	Private	314	5.4
COLORADO COLLEGE	CO	Private	311	5.4
UNIVERSITY OF CALIFORNIA BERKELEY	CA	Public	307	5.3
NORTHWESTERN UNIVERSITY	IL	Private	285	4.9
YALE UNIVERSITY	CT	Private	269	4.7
PRINCETON UNIVERSITY	NJ	Private	263	4.6
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	MA	Private	260	4.5
UNIVERSITY COLORADO DENVER	CO	Public	257	4.5
COLUMBIA UNIVERSITY UNDERGRADUATE ADMISSIONS	NY	Private	254	4.4
NATIONAL MERIT SCHOLARSHIP PROGRAM	IL	Scholarship	238	4.1
DUKE UNIVERSITY	NC	Private	235	4.1
UNIVERSITY OF CALIFORNIA LOS ANGELES	CA	Public	233	4.0
UNIVERSITY OF WASHINGTON	WA	Public	230	4.0
UNIVERSITY OF CHICAGO	IL	Private	223	3.9
NEW YORK UNIVERSITY	NY	Private	221	3.8
DARTMOUTH COLLEGE	NH	Private	217	3.8
CENTER FOR BRIGHT KIDS	CO	Scholarship	201	3.5
SANTA CLARA UNIVERSITY	CA	Private	198	3.4
MONTANA STATE UNIVERSITY	MT	Public	195	3.4
UNIVERSITY OF MICHIGAN ANN ARBOR	MI	Public	194	3.4
BOSTON UNIVERSITY	MA	Private	191	3.3
VANDERBILT UNIVERSITY	TN	Private	190	3.3
UNIVERSITY OF OREGON	OR	Public	190	3.3
BROWN UNIVERSITY	RI	Private	188	3.3
UNIVERSITY OF PENNSYLVANIA UNDERGRADUATE	PA	Private	183	3.2
UNIVERSITY WYOMING	WY	Public	181	3.1
WASHINGTON UNIVERSITY	MO	Private	179	3.1
CARNEGIE MELLON UNIVERSITY	PA	Private	172	3.0
UNIVERSITY OF SAN DIEGO	CA	Private	168	2.9
BAYLOR UNIVERSITY	TX	Private	160	2.8
ARIZONA STATE UNIVERSITY	AZ	Public	157	2.7
METROPOLITAN STATE COLLEGE DENVER	CO	Public	156	2.7
UNITED STATES AIR FORCE ACADEMY	CO	Public	155	2.7
UNIVERSITY OF TEXAS AUSTIN	TX	Public	151	2.6

*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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National Office

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

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Bala Cynwyd, PA 19004-1501
866-392-3019
610-227-2580 (Fax)

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Chicago, IL 60631-3512
866-392-4086
847-653-4528 (Fax)

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Southwestern Regional Office

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2099 Gateway Place, Suite 550
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866-392-4078
408-367-1459 (Fax)

Puerto Rico and Latin America Office

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

International Education Office

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

Washington Office

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

Florida Office

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