

SAT[®]

2015 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 2015 who took the SAT or SAT Subject Tests at any time during high school. ***Data and other information in this report are embargoed from dissemination to the media and general public until after the College Board makes state and total group-level data and information publically available. The embargo will be lifted no later than September 30, 2015.*** Prior to that time, you may use the data and other information in this report for internal purposes. The College Board will post updated information in the coming weeks about the embargo at <https://collegeboard.org/press>; if you have questions about the College Board Program Results press briefing, please contact the College Board communications department at communications@collegeboard.org.

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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 2015* includes students who tested through June 2015.

Using This Report

College-Bound Seniors presents data on high school graduates in the year 2015 who participated in the SAT Program. Students are counted only once, no matter how often they tested, and only their latest scores and most recent SAT Questionnaire responses are summarized. Because the accuracy of self-reported information has been documented and the college-bound population is relatively stable from year to year, SAT Questionnaire responses from these students can be considered highly accurate. Therefore, you can use this report to:

- Interpret scores of individual students within the broader context of data aggregated across groups of college-bound seniors.
- Study changes over time in the characteristics of students taking SAT tests.
- Look at year-to-year educational and demographic changes in this population, along with changes in test performance.

Keep in mind, however, that:

- Relationships between test scores and other factors such as educational background, gender, racial/ethnic background, parental education, and household income are complex and interdependent. These factors do not directly affect test performance; rather, they are associated with educational experiences both on tests such as the SAT and in schoolwork.
- Not all students in a high school, school district or state take the SAT. Since the population of test-takers is self-selected, using aggregate SAT scores to compare or evaluate teachers, schools, districts, states or other educational units is not valid, and the College Board strongly discourages such uses.
- Interpreting SAT scores for subgroups requires unique considerations. The most significant factor to consider in interpreting SAT scores for any group, or subgroup, of test-takers is the proportion of students taking the test. For example, if state data are being considered, it is appropriate to recognize that in some states there are lower participation rates. Typically, test-takers in these states have strong academic backgrounds and apply

to the nation's most selective colleges and scholarship programs. For these states, it is expected that the SAT mean scores reported for students will be higher than the national average.

Statistical Definitions

The following terms are used throughout this report. For more statistical information, visit the College Board website at www.collegeboard.org.

Mean

The *mean* is the arithmetic average.

Percentile

The *percentile*, also called the *percentile point*, is the point on the measurement scale below which a specified percentage of scores falls. The 25th, 50th and 75th percentile points are often reported for large data sets. The 50th percentile point is also called the *median* and, like the mean, is an average and a good indicator of the center of the distribution of scores. Comparing the 25th and 75th percentile points gives an idea of the range of scores in the populations reported in this document. Like the standard deviation, the difference between the scores associated with the 75th and 25th percentiles is an indication of the variability of the scores in a particular sample.

Scaled score

A *scaled score* is a score that has been converted from the raw score (number of questions answered correctly minus a fraction of the incorrect answers) for reporting. The SAT Program uses a 200- to 800-point scale.

Standard deviation (SD)

The *standard deviation* (SD) is a measure of the variability of a set of scores. If test scores cluster tightly around the mean score, as they do when the group tested is relatively homogeneous, the standard deviation is smaller than it would be with a more diverse group and a greater scatter of scores around the mean.

About the College Board

The College Board is a mission-driven not-for-profit organization that connects students to college success and opportunity. Founded in 1900, the College Board was created to expand access to higher education. Today, the membership association is made up of over 6,000 of the world's leading educational institutions and is dedicated to promoting excellence and equity in education. Each year, the College Board helps more than seven million students prepare for a successful transition to college through programs and services in college readiness and college success — including the SAT® and the Advanced Placement Program® (AP®). The organization also serves the education community through research and advocacy on behalf of students, educators and schools. For further information, visit www.collegeboard.org.

Total Group Mean SAT Scores

College-Bound Seniors, 1972–2015

Year	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1972	531	529	530	527	489	509	-	-	-
1973	523	521	523	525	489	506	-	-	-
1974	524	520	521	524	488	505	-	-	-
1975	515	509	512	518	479	498	-	-	-
1976	511	508	509	520	475	497	-	-	-
1977	509	505	507	520	474	496	-	-	-
1978	511	503	507	517	474	494	-	-	-
1979	509	501	505	516	473	493	-	-	-
1980	506	498	502	515	473	492	-	-	-
1981	508	496	502	516	473	492	-	-	-
1982	509	499	504	516	473	493	-	-	-
1983	508	498	503	516	474	494	-	-	-
1984	511	498	504	518	478	497	-	-	-
1985	514	503	509	522	480	500	-	-	-
1986	515	504	509	523	479	500	-	-	-
1987	512	502	507	523	481	501	-	-	-
1988	512	499	505	521	483	501	-	-	-
1989	510	498	504	523	482	502	-	-	-
1990	505	496	500	521	483	501	-	-	-
1991	503	495	499	520	482	500	-	-	-
1992	504	496	500	521	484	501	-	-	-
1993	504	497	500	524	484	503	-	-	-
1994	501	497	499	523	487	504	-	-	-
1995	505	502	504	525	490	506	-	-	-
1996	507	503	505	527	492	508	-	-	-
1997	507	503	505	530	494	511	-	-	-
1998	509	502	505	531	496	512	-	-	-
1999	509	502	505	531	495	511	-	-	-
2000	507	504	505	533	498	514	-	-	-
2001	509	502	506	533	498	514	-	-	-
2002	507	502	504	534	500	516	-	-	-
2003	512	503	507	537	503	519	-	-	-
2004	512	504	508	537	501	518	-	-	-
2005	513	505	508	538	504	520	-	-	-
2006	505	502	503	536	502	518	491	502	497
2007	503	500	501	532	499	514	487	499	493
2008	502	499	500	532	499	514	486	499	493
2009	502	497	499	533	498	514	485	498	492
2010	502	498	500	533	499	515	485	497	491
2011	500	495	497	531	500	514	482	496	489
2012	498	493	496	532	499	514	481	494	488
2013	499	494	496	531	499	514	482	493	488
2014	499	495	497	530	499	513	481	492	487
2015	497	493	495	527	496	511	478	490	484

Note: For 1972–1986 a formula was applied to the original mean and standard deviation to convert the mean to the recentered scale. For 1987–1995 individual student scores were converted to the recentered scale and then the mean was recomputed. From 1996–1999, nearly all students received scores on the recentered scale. Any score on the original scale was converted to the recentered scale prior to computing the mean. From 2000–2015, all scores are reported on the recentered scale. Cohort data presented prior to 2007 include students testing through March of the senior year, while cohort data from 2007 to present include students testing through June. For further information see www.collegeboard.org/cbs.

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SAT[®] Data

Data in this report are for high school graduates in the year 2015. Information is summarized for seniors who took the SAT at any time during their high school years through June 2015. If a student took the test more than once, the most recent score is used.

Table 1: Overall Mean Scores

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing *		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total	6,485	582	99	587	102	567	97	57.0	9.9	7.7	1.3

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	2,914	585	101	607	102	559	98	56.7	10.0	7.4	1.4
Female	3,571	580	98	570	98	573	96	57.3	9.8	7.9	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 (2014-2015)	2,786	570	100	574	104	555	99	55.9	10.1	7.6	1.4
Junior (2013-2014)	3,627	592	97	597	99	577	94	57.9	9.7	7.7	1.3
Sophomore (2012-2013)	43	575	80	591	82	557	85	56.3	7.9	7.4	1.4
Freshman (2011-2012)	29	527	107	547	90	497	97	50.9	9.6	6.8	1.5
Total	6,485	582	99	587	102	567	97	57.0	9.9	7.7	1.3

Table 4: Mean Scores for Total Group

Mean scores for the total group may serve as points of reference when evaluating mean scores for the state.

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total Group	1,698,521	495	116	511	120	484	115	48.7	11.6	7.0	1.7

*Writing data are based on students who took the current version of the SAT, first administered in March 2005. All students in the 2015 cohort took the SAT Writing section. The Writing section contains one essay (30 percent of the total score) and 49 multiple-choice questions (70 percent of the total score). Essay scores range from 2-12, with a very small percentage of students (less than 0.3 percent) receiving scores of 0 on the essay, for essays written completely off topic. Multiple-choice scores range from 20 to 80.

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

SAT Data

Table 5: Percentiles for State and Total Group

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

SAT Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	650	660	630	570	590	560
50th	580	590	570	490	510	480
25th	520	520	500	410	430	400

Table 6: Score Distributions

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	407	417	824	575	326	901	232	361	593
600-690	937	1,124	2,061	1,109	1,138	2,247	842	1,117	1,959
500-590	1,034	1,338	2,372	825	1,336	2,161	1,085	1,334	2,419
400-490	453	586	1,039	331	629	960	618	641	1,259
300-390	71	98	169	66	127	193	125	110	235
200-290	12	8	20	8	15	23	12	8	20

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	5,090	82	44	56	585	592	568
Religiously Affiliated	700	11	46	54	565	565	557
Independent	440	7	50	50	582	586	576
Other or Unknown	255		47	53	574	537	546

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	47	1	552	80	545	90	538	90
Asian, Asian American, or Pacific Islander	643	10	580	108	628	102	574	106
Black or African American	214	3	512	115	505	108	499	104
Mexican or Mexican American	186	3	549	97	544	108	534	92
Puerto Rican	32	0	592	115	548	118	552	112
Other Hispanic, Latino, or Latin American	272	4	551	98	550	109	537	96
White	4,799	74	589	95	590	96	572	93
Other	159	2	591	110	590	108	571	110
No Response	133	2	575	111	562	114	553	104
Total	6,485	100	582	99	587	102	567	97

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	23	0	545		551		516	
Asian, Asian American, or Pacific Islander	279	4	582	108	649	99	563	108
Black or African American	92	1	505	122	509	114	487	109
Mexican or Mexican American	70	1	575	95	579	116	552	99
Puerto Rican	14	0	564		558		519	
Other Hispanic, Latino, or Latin American	99	2	555	102	572	106	528	94
White	2,196	34	592	97	611	97	565	94
Other	71	1	577	109	599	111	548	112
No Response	70	1	581	109	582	116	543	100
Total	2,914	45	585	101	607	102	559	98

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	24	0	558		540		559	
Asian, Asian American, or Pacific Islander	364	6	578	108	612	101	583	103
Black or African American	122	2	518	109	502	102	508	100
Mexican or Mexican American	116	2	533	95	523	97	523	85
Puerto Rican	18	0	614		541		578	
Other Hispanic, Latino, or Latin American	173	3	549	96	537	108	542	97
White	2,603	40	587	92	572	92	578	92
Other	88	1	602	109	582	105	589	105
No Response	63	1	569	112	540	107	564	107
Total	3,571	55	580	98	570	98	573	96

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	6,485	100	582	99	587	102	567	97
First Language Learned								
English	5,518	86	587	97	586	100	569	95
English and Another	520	8	573	106	592	107	562	107
Another Language	373	6	535	110	596	116	538	110
No Response	74		562	110	554	111	547	103
Citizenship								
U.S. Citizen / U.S. National	6,091	96	586	97	587	100	569	96
U.S. Permanent Resident or Refugee	114	2	531	119	588	127	541	107
Citizen of Another Country	116	2	503	104	624	106	513	107
Other, Unknown, or No Response	164		536	112	545	115	526	110
Plans to Apply for Financial Aid								
Yes	4,047	70	583	98	585	101	565	96
No	539	9	578	96	594	100	575	96
Don't Know	1,167	20	585	99	591	103	570	96
No Response	732		579	104	586	105	562	103
Family Income								
\$0 - \$20,000	160	4	519	106	525	112	508	96
\$20,000–\$40,000	308	7	547	103	554	106	536	94
\$40,000–\$60,000	418	9	552	90	560	98	541	91
\$60,000–\$80,000	514	11	575	100	570	107	557	100
\$80,000–\$100,000	600	13	586	96	584	93	562	91
\$100,000–\$120,000	665	15	587	101	590	101	568	93
\$120,000–\$140,000	360	8	586	97	589	102	568	98
\$140,000–\$160,000	308	7	596	94	606	95	577	97
\$160,000–\$200,000	433	10	589	91	596	93	570	92
More than \$200,000	706	16	597	90	613	91	591	92
No Response	2,013		589	101	592	103	574	99
Highest Level of Parental Education								
No High School Diploma	72	1	510	102	525	91	503	86
High School Diploma	595	9	532	97	536	104	517	93
Associate Degree	239	4	529	94	534	106	511	91
Bachelor's Degree	2,523	40	577	93	582	96	560	91
Graduate Degree	2,856	45	607	96	610	97	592	95
No Response	200		539	103	546	111	525	102
Took the PSAT/NMSQT[®]								
Yes, As a Junior	2,502	42	585	95	590	98	570	94
Yes, As a Sophomore or Younger	1,004	17	572	92	576	95	555	90
Yes, As a Junior and As a Sophomore or Younger	1,645	27	615	95	620	96	601	93
No	870	14	535	101	537	104	516	93
No Response	464		562	103	567	103	546	98

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	1,750	51	42	58	632	643	619
Second Tenth	853	25	44	56	573	582	557
Second Fifth	492	14	51	49	547	547	529
Final Three Fifths	306	9	54	46	514	516	495
No Response	3,084		45	55	569	569	553

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)	813	13	35	65	636	644	624
A (93–96)	2,071	33	39	61	616	622	603
A- (90–92)	1,419	23	45	55	579	587	563
B (80–89)	1,754	28	52	48	533	533	514
C (70–79)	177	3	66	34	489	483	463
D, E, or F (below 70)	5	0	40	60	562	486	474
No Response	246		54	46	563	557	541
Mean Grade Point Average	All Students: 3.67		Male: 3.59		Female: 3.73		

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	2.2	2.7	2.5	3.87	3.95	3.92
English and Language Arts	4.0	4.0	4.0	3.59	3.78	3.69
Foreign and Classical Languages	3.2	3.4	3.3	3.55	3.73	3.65
Mathematics	4.1	4.1	4.1	3.48	3.49	3.49
Natural Sciences	3.9	3.9	3.9	3.59	3.62	3.61
Social Sciences and History	3.8	3.8	3.8	3.63	3.74	3.69
Total for All Subjects	21.2	21.9	21.6			

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	739	13	45	55	597	601	582
4 Years	4,359	79	44	56	587	591	571
3 Years	321	6	44	56	537	542	520
2 Years	60	1	53	47	544	576	521
1 Year	25	0	44	56	500	528	472
1/2 Year or Less	24	0	54	46	496	531	502
No Response	957		49	51	571	575	555
AP®/Honors Courses	3,672	66	39	61	607	608	593
Course Work or Experience							
English/Language Arts	5,063	96	44	56	585	589	569
Journalism	526	10	31	69	581	562	571
Creative Writing	1,247	24	38	62	582	569	568
American Literature	3,494	67	43	57	587	589	570
Composition/Writing	2,974	57	43	57	581	582	565
British Literature	1,301	25	41	59	597	591	581
World Literature	2,336	44	44	56	592	592	573
Communications	529	10	47	53	570	574	559
Public Speaking	1,397	27	45	55	580	580	565
English As Second Language	153	3	42	58	485	557	495

Mathematics Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,148	21	48	52	602	627	585
4 Years	3,928	71	43	57	585	584	570
3 Years	364	7	41	59	539	531	522
2 Years	63	1	52	48	527	545	508
1 Year	24	0	67	33	511	517	493
1/2 Year or Less	21	0	38	62	480	474	461
No Response	937		48	52	571	576	556
AP/Honors Courses	3,461	62	45	55	610	628	596
Highest Level of Mathematics Achieved*							
Calculus	3,112	58	48	52	614	638	600
Pre-calculus	1,290	24	40	60	557	543	540
Geometry	849	16	37	63	526	491	509
Algebra II	59	1	41	59	524	497	496
Algebra I	9	0	44	56	494	478	484

*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	1,023	19	49	51	608	632	590	
4 Years	3,331	61	44	56	588	591	574	
3 Years	873	16	37	63	557	545	542	
2 Years	146	3	51	49	548	547	528	
1 Year	79	1	48	52	546	559	530	
1/2 Year or Less	41	1	32	68	503	508	497	
No Response	992		49	51	570	574	553	
AP/Honors Courses	3,187	58	45	55	613	625	597	
Course Work or Experience								
Biology	5,109	96	44	56	585	588	569	
Chemistry	5,003	94	44	56	587	592	572	
Physics	3,798	72	49	51	595	608	579	
Geology, Earth, or Space Science	2,456	46	42	58	568	567	552	
Other Sciences	2,309	44	38	62	577	574	561	

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	685	12	41	59	604	608	589	
4 Years	3,484	63	45	55	589	590	573	
3 Years	1,126	20	44	56	568	580	553	
2 Years	138	3	46	54	544	557	529	
1 Year	49	1	55	45	518	546	502	
1/2 Year or Less	25	0	48	52	483	527	480	
No Response	978		49	51	571	575	555	
AP/Honors Courses	3,344	61	42	58	610	612	594	
Course Work or Experience								
U.S. History	5,043	96	44	56	586	590	570	
World History or Cultures	4,147	79	44	56	585	590	570	
U.S. Government or Civics	4,459	84	43	57	586	589	570	
Economics	2,511	48	46	54	589	597	573	
Geography	3,381	64	43	57	582	587	568	
Psychology	2,091	40	35	65	577	577	563	
European History	1,489	28	43	57	602	600	586	
Sociology	679	13	31	69	569	559	555	
Ancient History	964	18	44	56	586	585	568	
Other Courses	999	19	39	61	585	581	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 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	555	10	39	61	614	620	601
4 Years	2,001	36	40	60	607	609	595
3 Years	1,946	35	47	53	575	582	557
2 Years	803	15	48	52	551	549	529
1 Year	95	2	56	44	528	545	517
1/2 Year or Less	93	2	59	41	482	521	468
No Response	992		49	51	570	574	553
AP/Honors Courses	1,931	35	39	61	622	629	611
Course Work or Experience							
Chinese	214	4	46	54	594	623	577
French	1,058	20	34	66	593	586	577
German	253	5	48	52	595	593	569
Greek	33	1	48	52	607	595	590
Hebrew	25	0	40	60	563	561	566
Italian	25	0	44	56	584	578	556
Japanese	57	1	49	51	612	608	582
Korean	6	0	33	67	495	618	498
Latin	315	6	48	52	622	612	600
Russian	16	0	31	69	543	541	524
Spanish	3,728	70	45	55	581	586	567
Other Languages	154	3	35	65	534	536	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: 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		453	9	36	64	603	602	593
4 Years		1,218	24	35	65	599	592	582
3 Years		718	14	38	62	574	579	562
2 Years		1,132	22	42	58	581	589	569
1 Year		947	19	52	48	585	597	566
1/2 Year or Less		598	12	62	38	575	589	555
No Response		1,419		50	50	568	572	551
AP/Honors Courses		617	12	31	69	612	612	601
Course Work or Experience								
Acting or Play Production		1,244	24	32	68	602	586	584
Art History or Appreciation		746	14	39	61	582	570	565
Dance		622	12	14	86	579	567	565
Drama: Study or Appreciation		937	18	33	67	585	576	571
Music: Study or Appreciation		739	14	46	54	599	593	582
Music Performance		2,388	46	40	60	599	598	583
Photography or Film		1,577	31	39	61	577	577	562
Studio Art and Design		1,886	37	34	66	588	587	572
None		542	10	64	36	561	584	543

Computers†	Test-Takers		Percent by Gender		SAT Mean Scores			
	Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy		423	54	52	48	608	629	599
Computer Programming		175	22	67	33	628	662	614
Word Processing		398	51	47	53	611	627	605
Internet Activity		341	44	48	52	608	623	600
Using Computer Graphics		290	37	52	48	605	626	601
Creating Spreadsheets/Databases		256	33	52	48	616	638	610
None		150	19	43	57	598	623	598

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

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

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

SAT Subject Tests™ Data

Table 19: Number of Test-Takers and Tests for SAT Subject Tests

Students Who Took SAT Subject Tests		Students Who Took an SAT Subject Test and Also Took the SAT			
Number of Test-Takers	Number of Tests	Number of Test-Takers	Critical Reading Mean	Mathematics Mean	Writing Mean
1,774	4,445	1,288	660	678	649

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	132	7
2	828	47
3	651	37
4 or More	163	9

Table 20: Mean Scores for SAT Subject Test Takers and for Students Who Also Took the SAT

Most, but not all, students who take SAT Subject Tests also take the SAT. This table provides SAT Subject Test scores for students who took SAT Subject Tests. It also provides the SAT scores for those students who also took the SAT.

	SAT Subject Test			N	SAT						
	N	Mean	SD		Mean	SD	Mean	SD	Mean	SD	
English											
Literature	573	654	81	420	671	76	654	74	661	74	
History and Social Studies											
U.S. History	465	661	89	363	661	76	656	81	652	76	
World History	110	647	89	91	684	75	680	80	659	79	
Mathematics											
Mathematics Level 1	353	650	84	234	635	82	652	73	623	83	
Mathematics Level 2	1,265	696	82	938	665	79	699	63	657	78	
Science											
Biology-E	165	665	68	119	652	82	666	75	636	81	
Biology-M	224	666	73	152	655	81	681	72	653	80	
Chemistry	552	674	86	410	664	79	702	66	656	82	
Physics	422	682	82	318	668	79	710	63	655	81	
Foreign and Classical Languages											
Chinese/Listening	13	717		12	624		699		643		
French	55	607	123	46	659	74	680	88	668	78	
French/Listening	10	651		7	653		636		637		
German	6	668		6	745		658		732		
German/Listening	3			3							
Modern Hebrew	2			2							
Italian	1			1							
Japanese/Listening	3			3							
Korean/Listening	4			3							
Latin	18	617		17	717		696		700		
Spanish	191	625	96	147	675	77	666	76	667	68	
Spanish/Listening	10	677		8	661		670		655		

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	74	13	93	20	20	18
700-740	129	23	98	21	15	14
650-690	136	24	82	18	23	21
600-640	105	18	85	18	18	16
550-590	74	13	49	11	21	19
500-540	32	6	38	8	7	6
450-490	18	3	16	3	5	5
400-440	5	1	4	1	1	1
350-390						
300-340						
250-290						
200-240						
Total	573		465		110	
Mean	654		661		647	
SD	81		89		89	
75th percentile	710		730		710	
50th percentile	660		670		650	
25th percentile	600		600		570	

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	37	10	436	34	24	15	36	16	130	24	116	27
700-740	86	24	235	19	36	22	39	17	121	22	96	23
650-690	83	24	218	17	42	25	61	27	113	20	81	19
600-640	57	16	208	16	34	21	63	28	87	16	68	16
550-590	44	12	124	10	22	13	14	6	51	9	32	8
500-540	27	8	35	3	7	4	6	3	28	5	15	4
450-490	12	3	8	1			3	1	19	3	13	3
400-440	7	2	1	0			2	1	3	1	1	0
350-390												
300-340												
250-290												
200-240												
Total	353		1,265		165		224		552		422	
Mean	650		696		665		666		674		682	
SD	84		82		68		73		86		82	
75th percentile	720		770		720		720		740		750	
50th percentile	660		700		670		660		680		700	
25th percentile	590		630		610		620		620		630	

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	6	46	11	20	2	20	3	50	1	33		
700-740	4	31	7	13	2	20			1	33		
650-690	1	8	3	5			2	33				
600-640	1	8	4	7	3	30						
550-590			6	11	2	20					1	50
500-540			11	20							1	50
450-490	1	8	9	16	1	10						
400-440			3	5					1	33		
350-390			1	2			1	17				
300-340												
250-290												
200-240												
Total	13		55		10		6		3		2	
Mean	717		607		651		668					
SD			123									
75th percentile			710									
50th percentile			580									
25th percentile			490									

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	1	100	2	67	3	75	1	6	20	10	4	40
700-740							4	22	28	15	1	10
650-690							4	22	41	21	1	10
600-640			1	33	1	25	1	6	40	21	2	20
550-590							3	17	24	13	1	10
500-540							4	22	15	8	1	10
450-490							1	6	14	7		
400-440									7	4		
350-390									2	1		
300-340												
250-290												
200-240												
Total	1		3		4		18		191		10	
Mean							617		625		677	
SD									96			
75th percentile									690			
50th percentile									630			
25th percentile									570			

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	36	1	557	527	520
Architecture and Related Services	81	1	556	586	540
Area, Ethnic, Cultural and Gender Studies	11	0	614	581	595
Biological and Biomedical Sciences	529	9	604	610	592
Business Management, Marketing, and Related Support Services	674	12	555	573	542
Communication, Journalism and Related Programs	186	3	587	551	582
Computer and Information Sciences and Support Services	167	3	596	615	561
Construction Trades	0	0			
Education	168	3	550	548	539
Engineering	1,014	17	606	642	582
Engineering Technologies/Technicians	40	1	581	620	540
English Language and Literature/Letters	100	2	638	578	616
Family and Consumer Sciences/Human Sciences	8	0	458	434	479
Foreign Languages, Literatures, and Linguistics	75	1	618	574	602
Health Professions and Related Clinical Services	737	13	561	568	554
History	49	1	615	568	585
Legal Professions and Studies	133	2	597	585	580
Liberal Arts and Sciences, General Studies, and Humanities	63	1	600	566	579
Library Science And Administration	0	0			
Mathematics and Statistics	60	1	640	694	640
Mechanic and Repair Technologies/Technician	3	0			
Military Technologies And Applied Sciences	27	0	568	574	524
Multi/Interdisciplinary Studies	64	1	638	621	631
Natural Resources and Conservation	25	0	600	575	592
Parks, Recreation, Leisure and Fitness Studies	22	0	511	514	500
Personal and Culinary Services	6	0	557	550	532
Philosophy and Religious Studies	16	0	634	564	594
Physical Sciences	136	2	614	633	589
Precision Production	0	0			
Psychology	229	4	567	543	550
Public Administration and Social Services Professions	14	0	559	528	531
Security and Protective Services	69	1	532	522	506
Social Sciences	205	4	621	591	604
Theology and Religious Vocations	12	0	596	547	571
Transportation and Materials Moving	2	0			
Visual and Performing Arts	399	7	581	563	567
Other	57	1	532	534	525
Undecided	384	7	605	606	588
Degree-Level Goal					
Certificate Program	18	0	552	524	546
Associate Degree	16	0	516	497	508
Bachelor's Degree	1,676	29	553	553	537
Master's Degree	1,927	33	590	597	573
Doctoral or Related Degree	1,520	26	607	614	595
Other	9	0	574	584	530
Undecided	677	12	587	587	568

College Plans

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

Of the 6,971 students from your state who took the SAT and/or an SAT Subject Test, 4,523 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 1,054 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
University of Colorado Boulder	CO	Public	1,632	36.1
Colorado State University	CO	Public	1,008	22.3
Colorado School of Mines	CO	Public	586	13.0
University of Denver	CO	Private	581	12.8
Stanford University	CA	Private	575	12.7
University of Colorado Colorado Springs	CO	Public	326	7.2
Boettcher Foundation Scholarship	CO	Scholarship	308	6.8
Harvard College	MA	Private	304	6.7
Cornell University	NY	Private	282	6.2
Massachusetts Institute of Technology	MA	Private	280	6.2
Princeton University	NJ	Private	275	6.1
University of California: Berkeley	CA	Public	274	6.1
NMSC Scholarship Admin	IL	Scholarship	271	6.0
University of Northern Colorado	CO	Public	264	5.8
Dartmouth College	NH	Private	238	5.3
Northwestern University	IL	Private	236	5.2
Colorado College	CO	Private	229	5.1
University of Southern California	CA	Private	227	5.0
University of Colorado Denver	CO	Public	224	5.0
NCAA Eligibility Center	IN	Public	218	4.8
Yale University	CT	Private	210	4.6
University of California: Los Angeles	CA	Public	204	4.5
Brown University	RI	Private	200	4.4
Duke University	NC	Private	199	4.4
University of Pennsylvania	PA	Private	195	4.3
New York University	NY	Private	188	4.2
University of Michigan	MI	Public	186	4.1
Columbia University	NY	Private	179	4.0
University of Washington	WA	Public	178	3.9
University of Chicago	IL	Private	174	3.8
Vanderbilt University	TN	Private	161	3.6
Boston University	MA	Private	158	3.5
Carnegie Mellon University	PA	Private	158	3.5
Montana State University	MT	Public	152	3.4
Baylor University	TX	Private	150	3.3
Georgetown University	DC	Private	149	3.3
Washington University in St. Louis	MO	Private	148	3.3
Santa Clara University	CA	Private	142	3.1
Johns Hopkins University	MD	Private	142	3.1
Center for Bright Kids	CO	Scholarship	130	2.9
California Institute of Technology	CA	Private	130	2.9
University of California: San Diego	CA	Public	127	2.8
Arizona State University	AZ	Public	126	2.8
University of Virginia	VA	Public	126	2.8
University of Texas at Austin	TX	Public	124	2.7

*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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