

SAT[®]

2014 College-Bound Seniors

State Profile Report



MICHIGAN

Included in This Report

SAT[®] Data

SAT Subject Tests[™] Data

Demographic and Academic Information

College Plans

DATA EMBARGO IN EFFECT *This report contains information on college-bound students in the class of 2014 who took the SAT[®] or SAT Subject Tests[™] at any time during high school. **Data and other information in this report are embargoed from dissemination to the media and general public until Oct. 7, 2014 when the College Board will make state and total group-level data and information publicly available.** You may use the data and other information in this report for internal purposes prior to the College-Bound Seniors press conference. If you have any questions about the embargo or the College Board national press conference, please contact the College Board communications department at communications@collegeboard.org.*

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The SAT® Program

The SAT® (formerly known as the SAT® I: Reasoning Test) assesses student reasoning based on knowledge and skills developed by the students in their course work. The SAT Subject Tests™ (formerly known as SAT II: Subject Tests) are a series of one-hour, mostly multiple-choice tests that measure how much students know about a particular academic subject and how well they can apply that knowledge. Most students also complete the optional SAT Questionnaire (formerly known as the Student Descriptive Questionnaire) when they register to take SAT Program tests, providing valuable contextual information to aid in interpreting and understanding individual and group scores. College-Bound Seniors 2014 includes students who tested through June 2014.

Using This Report

College-Bound Seniors presents data on high school graduates in the year 2014 who participated in the SAT Program. Students are counted only once, no matter how often they tested, and only their latest scores and most recent SAT Questionnaire responses are summarized. Because the accuracy of self-reported information has been documented and the college-bound population is relatively stable from year to year, SAT Questionnaire responses from these students can be considered highly accurate. Therefore, you can use this report to:

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

Keep in mind, however, that:

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

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

Statistical Definitions

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

Mean

The *mean* is the arithmetic average.

Percentile

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

Scaled score

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

Standard deviation (SD)

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

About the College Board

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

Total Group Mean SAT Scores

College-Bound Seniors, 1972–2014

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

Note: For 1972–1986 a formula was applied to the original mean and standard deviation to convert the mean to the recentered scale. For 1987–1995 individual student scores were converted to the recentered scale and then the mean was recomputed. From 1996–1999, nearly all students received scores on the recentered scale. Any score on the original scale was converted to the recentered scale prior to computing the mean. From 2000–2014, all scores are reported on the recentered scale. Cohort data presented prior to 2007 include students testing through March of the senior year, while cohort data from 2007 to present include students testing through June. For further information see www.collegeboard.org/cbs.

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SAT[®] Data

Data in this report are for high school graduates in the year 2014. Information is summarized for seniors who took the SAT at any time during their high school years through June 2014. If a student took the test more than once, the most recent score is used.

Table 1: Overall Mean Scores

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing *		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total	4,027	593	114	610	111	581	112	58.4	11.5	7.7	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	1,936	600	113	632	110	580	114	58.6	11.6	7.6	1.5
Female	2,091	587	113	590	107	581	110	58.3	11.4	7.8	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 (2013-2014)	1,704	580	123	596	117	566	118	56.9	12.2	7.6	1.5
Junior (2012-2013)	2,156	609	103	626	103	599	103	60.3	10.6	7.9	1.4
Sophomore (2011-2012)	61	529	107	581	101	521	108	52.9	11.5	7.3	1.3
Freshman (2010-2011)	106	522	81	532	91	478	84	49.3	8.9	6.6	1.5
Total	4,027	593	114	610	111	581	112	58.4	11.5	7.7	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	1,672,395	497	115	513	120	487	115	48.9	11.6	7.0	1.7

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

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

SAT Data

Table 5: Percentiles for State and Total Group

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

SAT Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	680	690	670	570	600	560
50th	600	620	590	490	510	480
25th	520	530	510	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	408	377	785	615	351	966	320	321	641
600-690	635	634	1,269	684	699	1,383	576	668	1,244
500-590	536	641	1,177	412	648	1,060	607	634	1,241
400-490	262	332	594	165	308	473	313	364	677
300-390	81	94	175	49	80	129	105	90	195
200-290	14	13	27	11	5	16	15	14	29

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	2,774	74	48	52	595	618	583
Religiously Affiliated	432	12	53	47	586	613	580
Independent	524	14	46	54	606	602	594
Other or Unknown	297		48	52	563	552	539

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	165	4	584	118	578	123	556	106
Nonstandard Conditions	60	1	598	96	606	115	569	102

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	18	0	622		609		579	
Asian, Asian American, or Pacific Islander	856	21	595	132	677	94	607	129
Black or African American	295	7	513	110	497	113	491	105
Mexican or Mexican American	49	1	570	110	565	98	562	104
Puerto Rican	9	0	571		569		541	
Other Hispanic, Latino, or Latin American	62	2	570	108	577	114	553	105
White	2,475	61	604	102	604	100	585	100
Other	152	4	590	116	614	102	580	112
No Response	111	3	563	118	562	105	549	118
Total	4,027	100	593	114	610	111	581	112

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	11	0	653		631		615	
Asian, Asian American, or Pacific Islander	429	11	614	128	697	89	616	126
Black or African American	115	3	510	118	509	124	479	110
Mexican or Mexican American	29	1	576	91	581	94	562	96
Puerto Rican	3	0						
Other Hispanic, Latino, or Latin American	26	1	563	109	567	119	528	99
White	1,193	30	608	102	626	99	582	102
Other	76	2	585	122	634	110	574	126
No Response	54	1	545	118	578	105	522	108
Total	1,936	48	600	113	632	110	580	114

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	7	0	573		576		524	
Asian, Asian American, or Pacific Islander	427	11	576	133	658	95	598	131
Black or African American	180	4	516	104	489	104	499	100
Mexican or Mexican American	20	0	561		542		563	
Puerto Rican	6	0	568		530		555	
Other Hispanic, Latino, or Latin American	36	1	574	107	584	109	571	106
White	1,282	32	601	103	584	98	588	98
Other	76	2	595	109	594	89	587	96
No Response	57	1	580	116	547	102	575	121
Total	2,091	52	587	113	590	107	581	110

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	4,027	100	593	114	610	111	581	112
First Language Learned								
English	2,933	74	599	106	597	108	579	106
English and Another	557	14	610	115	649	110	611	116
Another Language	451	11	541	138	654	102	562	134
No Response	86		559	117	564	118	533	119
Citizenship								
U.S. Citizen / U.S. National	3,518	91	605	106	609	110	589	106
U.S. Permanent Resident or Refugee	113	3	591	122	642	105	598	120
Citizen of Another Country	233	6	488	119	638	109	513	128
Other, Unknown, or No Response	163		488	119	577	121	487	120
Plans to Apply for Financial Aid								
Yes	2,543	72	596	112	604	112	581	111
No	344	10	595	103	635	98	593	101
Don't Know	655	18	599	117	628	109	589	112
No Response	485		570	122	599	109	559	119
Family Income								
\$0 - \$20,000	115	5	501	130	530	132	478	122
\$20,000–\$40,000	184	7	540	126	565	121	535	114
\$40,000–\$60,000	268	11	554	118	579	125	550	115
\$60,000–\$80,000	312	13	591	111	596	104	572	105
\$80,000–\$100,000	366	15	590	109	609	104	582	107
\$100,000–\$120,000	336	13	602	104	615	106	593	112
\$120,000–\$140,000	201	8	608	104	623	99	598	98
\$140,000–\$160,000	155	6	608	99	629	97	599	101
\$160,000–\$200,000	198	8	596	100	620	104	592	102
More than \$200,000	354	14	618	97	635	99	602	99
No Response	1,538		602	115	619	109	588	113
Highest Level of Parental Education								
No High School Diploma	23	1	440		539		461	
High School Diploma	341	9	515	124	541	125	505	117
Associate Degree	165	4	545	100	555	107	530	103
Bachelor's Degree	1,375	35	580	106	603	105	569	105
Graduate Degree	1,987	51	625	104	637	102	612	103
No Response	136		537	125	550	115	515	119
Took the PSAT/NMSQT®								
Yes, As a Junior	1,498	41	618	104	629	102	605	103
Yes, As a Sophomore or Younger	628	17	580	104	598	106	567	105
Yes, As a Junior and As a Sophomore or Younger	834	23	638	96	646	98	627	96
No	725	20	525	117	555	119	514	108
No Response	342		540	116	578	108	529	114

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	1,293	63	49	51	642	660	631
Second Tenth	454	22	48	52	555	581	542
Second Fifth	207	10	50	50	533	552	514
Final Three Fifths	106	5	58	42	475	487	459
No Response	1,967		47	53	582	597	570

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)	738	19	45	55	662	672	654
A (93–96)	1,533	40	47	53	618	639	608
A- (90–92)	818	21	46	54	567	589	554
B (80–89)	654	17	55	45	523	534	503
C (70–79)	72	2	63	38	441	434	423
D, E, or F (below 70)	2	0	100	0			
No Response	210		53	47	545	568	526
Mean Grade Point Average	All Students: 3.81		Male: 3.77		Female: 3.84		

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	2.4	2.9	2.6	3.89	3.95	3.92
English and Language Arts	4.1	4.1	4.1	3.71	3.83	3.78
Foreign and Classical Languages	3.1	3.3	3.2	3.70	3.82	3.76
Mathematics	4.2	4.2	4.2	3.68	3.65	3.67
Natural Sciences	3.9	3.8	3.9	3.72	3.73	3.73
Social Sciences and History	3.7	3.7	3.7	3.78	3.80	3.79
Total for All Subjects	21.4	22.0	21.7			

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

Academic Information

Course-Taking Patterns

Table 16: English, Mathematics

English and Language Arts		Test-Takers		Percent by Gender		SAT Mean Scores		
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	628	18	43	57	616	632	608	
4 Years	2,529	74	48	52	600	613	586	
3 Years	184	5	42	58	532	556	523	
2 Years	43	1	51	49	526	577	516	
1 Year	19	1	26	74	512	528	515	
1/2 Year or Less	15	0	80	20	531	599	530	
No Response	609		54	46	567	598	555	
AP@/Honors Courses	2,027	59	44	56	632	637	618	
Course Work or Experience								
English/Language Arts	3,123	96	47	53	599	612	587	
Journalism	338	10	36	64	591	591	583	
Creative Writing	819	25	43	57	588	586	574	
American Literature	2,218	68	48	52	604	613	589	
Composition/Writing	1,728	53	48	52	594	602	579	
British Literature	912	28	44	56	614	613	596	
World Literature	1,376	42	48	52	609	617	594	
Communications	400	12	47	53	579	596	569	
Public Speaking	974	30	48	52	595	606	585	
English As Second Language	163	5	43	57	470	620	492	

Mathematics		Test-Takers		Percent by Gender		SAT Mean Scores		
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	1,106	32	51	49	623	656	614	
4 Years	2,022	59	45	55	593	598	578	
3 Years	230	7	46	54	541	544	534	
2 Years	34	1	44	56	529	591	526	
1 Year	19	1	32	68	497	548	494	
1/2 Year or Less	17	0	53	47	514	531	512	
No Response	599		54	46	566	597	555	
AP/Honors Courses	2,107	61	50	50	630	659	621	
Highest Level of Mathematics Achieved*								
Calculus	2,075	62	52	48	630	659	620	
Pre-calculus	732	22	39	61	557	555	542	
Geometry	449	13	41	59	523	497	504	
Algebra II	27	1	33	67	559	561	542	
Algebra I	4	0	25	75				

*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	728	21	51	49	633	658	622	
4 Years	1,788	53	47	53	605	619	592	
3 Years	664	20	42	58	562	565	552	
2 Years	119	4	55	45	545	568	536	
1 Year	50	1	50	50	516	544	507	
1/2 Year or Less	42	1	52	48	534	554	496	
No Response	636		54	46	565	596	554	
AP/Honors Courses	1,907	56	50	50	634	654	622	
Course Work or Experience								
Biology	3,176	97	47	53	600	613	587	
Chemistry	3,112	95	47	53	601	615	588	
Physics	2,553	78	52	48	608	626	595	
Geology, Earth, or Space Science	1,358	42	45	55	586	596	572	
Other Sciences	1,192	37	41	59	594	601	580	

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	440	13	52	48	617	636	607	
4 Years	1,753	51	47	53	607	617	593	
3 Years	1,022	30	45	55	585	603	575	
2 Years	141	4	52	48	550	578	537	
1 Year	28	1	43	57	512	547	485	
1/2 Year or Less	23	1	52	48	499	553	496	
No Response	620		53	47	566	597	554	
AP/Honors Courses	1,897	56	48	52	637	647	621	
Course Work or Experience								
U.S. History	3,101	95	47	53	600	614	588	
World History or Cultures	2,855	87	47	53	601	615	589	
U.S. Government or Civics	2,891	89	47	53	599	614	586	
Economics	2,565	79	48	52	598	615	586	
Geography	643	20	49	51	572	585	558	
Psychology	1,309	40	40	60	596	608	585	
European History	750	23	48	52	619	615	601	
Sociology	442	14	42	58	576	578	560	
Ancient History	492	15	45	55	605	602	587	
Other Courses	649	20	48	52	608	601	589	

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	515	15	45	55	626	646	623
4 Years	1,143	34	42	58	626	634	615
3 Years	712	21	51	49	597	613	585
2 Years	758	22	50	50	569	581	550
1 Year	135	4	53	47	524	536	496
1/2 Year or Less	135	4	49	51	507	561	491
No Response	629		54	46	563	596	553
AP/Honors Courses	940	28	42	58	647	659	641
Course Work or Experience							
Chinese	239	7	43	57	605	648	606
French	723	22	37	63	607	607	592
German	227	7	56	44	623	630	599
Greek	10	0	40	60	603	601	601
Hebrew	19	1	53	47	645	615	604
Italian	26	1	35	65	562	547	529
Japanese	79	2	58	42	582	622	556
Korean	12	0	42	58	555	678	588
Latin	285	9	56	44	638	620	616
Russian	8	0	50	50	511	556	514
Spanish	1,904	59	48	52	597	610	586
Other Languages	90	3	38	62	551	574	545

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

Academic Information

Course-Taking Patterns

Table 19: Arts and Music, Computers

Arts and Music Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	423	13	39	61	616	620	605
4 Years	908	27	42	58	620	627	608
3 Years	394	12	40	60	583	593	569
2 Years	613	18	45	55	580	601	569
1 Year	637	19	54	46	596	618	582
1/2 Year or Less	377	11	66	34	576	598	566
No Response	675		55	45	566	598	555
AP/Honors Courses	333	10	39	61	630	635	616
Course Work or Experience							
Acting or Play Production	790	25	34	66	617	603	598
Art History or Appreciation	484	15	35	65	584	582	572
Dance	359	11	12	88	582	583	575
Drama: Study or Appreciation	481	15	30	70	593	583	577
Music: Study or Appreciation	563	18	45	55	610	605	596
Music Performance	1,844	58	44	56	616	627	603
Photography or Film	613	19	35	65	586	589	573
Studio Art and Design	859	27	35	65	596	600	580
None	381	12	70	30	564	602	559

Computers Course Work or Experience	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Computer Literacy	1,889	64	47	53	609	618	594
Computer Programming	721	24	67	33	616	651	603
Word Processing	1,771	60	47	53	612	619	598
Internet Activity	1,475	50	46	54	610	618	598
Using Computer Graphics	975	33	55	45	602	618	590
Creating Spreadsheets/Databases	1,107	37	52	48	613	624	601
None	498	17	42	58	585	608	580

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
2,015	4,993	1,130	666	698	664

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	168	8
2	1,010	50
3	609	30
4 or More	228	11

Table 21: Mean Scores for SAT Subject Test Takers and for Students Who Also Took the SAT

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

	SAT Subject Test			N	SAT						
	N	Mean	SD		Critical Reading		Mathematics		Writing		
English					Mean	SD	Mean	SD	Mean	SD	
Literature	461	663	86	276	694	79	661	77	674	79	
History and Social Studies											
U.S. History	502	687	89	310	687	79	690	77	681	77	
World History	81	628	100	53	675	90	660	73	649	86	
Mathematics											
Mathematics Level 1	432	660	80	215	633	97	666	69	627	91	
Mathematics Level 2	1,407	725	76	836	669	88	718	61	671	83	
Science											
Biology-E	205	668	86	116	659	97	690	71	666	84	
Biology-M	361	689	81	212	674	86	712	66	679	79	
Chemistry	845	702	85	512	675	86	722	63	678	81	
Physics	383	681	85	217	664	88	720	65	662	85	
Foreign and Classical Languages											
Chinese/Listening	28	741	76	21	668		740		679		
French	65	592	91	44	666	83	669	80	668	78	
French/Listening	9	652		8	648		599		610		
German	12	688		8	690		664		649		
German/Listening	6	602		4							
Modern Hebrew	4			2							
Italian	3			2							
Japanese/Listening	21	708		19	569		693		615		
Korean/Listening	5	788		4							
Latin	25	581	111	12	712		697		694		
Spanish	123	593	108	63	665	82	676	66	675	72	
Spanish/Listening	15	620		13	673		672		628		

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	71	15	153	30	11	14
700-740	123	27	121	24	15	19
650-690	106	23	91	18	8	10
600-640	67	15	55	11	19	23
550-590	47	10	39	8	10	12
500-540	23	5	25	5	10	12
450-490	15	3	11	2	4	5
400-440	6	1	5	1	4	5
350-390	3	1	2	0		
300-340						
250-290						
200-240						
Total	461		502		81	
Mean	663		687		628	
SD	86		89		100	
75th percentile	730		760		700	
50th percentile	680		710		620	
25th percentile	610		630		550	

Table 23: Mathematics, Science

SAT Subject Tests	Mathematics				Science							
	Mathematics Level 1		Mathematics Level 2		Biology-E		Biology-M		Chemistry		Physics	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	62	14	707	50	49	24	114	32	315	37	103	27
700-740	102	24	252	18	38	19	81	22	197	23	82	21
650-690	108	25	221	16	41	20	67	19	147	17	69	18
600-640	73	17	122	9	33	16	51	14	81	10	61	16
550-590	55	13	80	6	28	14	28	8	56	7	42	11
500-540	17	4	20	1	6	3	16	4	29	3	17	4
450-490	8	2	4	0	7	3	2	1	13	2	7	2
400-440	3	1	1	0	2	1			7	1	2	1
350-390	4	1			1	0						
300-340							2	1				
250-290												
200-240												
Total	432		1,407		205		361		845		383	
Mean	660		725		668		689		702		681	
SD	80		76		86		81		85		85	
75th percentile	720		800		740		760		770		750	
50th percentile	670		750		680		700		720		690	
25th percentile	610		670		610		640		660		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	15	54	4	6	4	44	5	42	1	17		
700-740	8	29	9	14			1	8				
650-690	2	7	7	11			4	33	1	17		
600-640	2	7	8	12	3	33			1	17	1	25
550-590			13	20					2	33	1	25
500-540			16	25			1	8				
450-490	1	4	7	11	1	11	1	8				
400-440			1	2	1	11						
350-390									1	17	2	50
300-340												
250-290												
200-240												
Total	28		65		9		12		6		4	
Mean	741		592		652		688		602			
SD	76		91									
75th percentile	800		650									
50th percentile	760		570									
25th percentile	710		520									

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	33	11	52	5	100	3	12	9	7	5	33
700-740			2	10			2	8	12	10		
650-690	1	33	4	19			2	8	18	15		
600-640	1	33	1	5			3	12	28	23	5	33
550-590			1	5			5	20	20	16	1	7
500-540			1	5			4	16	13	11		
450-490							3	12	9	7	3	20
400-440							3	12	7	6	1	7
350-390			1	5					5	4		
300-340									1	1		
250-290									1	1		
200-240												
Total	3		21		5		25		123		15	
Mean			708		788		581		593		620	
SD							111		108			
75th percentile			790				640		660			
50th percentile			740				560		610			
25th percentile			650				470		520			

College Plans

Table 26: Intended College Major, Degree-Level Goal

SAT Intended College Major	Test-Takers		Mean Scores		
	Number	Pct	Critical Reading	Mathematics	Writing
Agriculture, Agriculture Operations, and Related Sciences	14	0	521	511	526
Architecture and Related Services	33	1	548	576	534
Area, Ethnic, Cultural and Gender Studies	5	0	552	534	512
Biological and Biomedical Sciences	334	10	617	627	606
Business Management, Marketing, and Related Support Services	379	11	564	601	554
Communication, Journalism and Related Programs	73	2	567	553	561
Computer and Information Sciences and Support Services	114	3	634	674	613
Construction Trades	0	0			
Education	84	2	566	561	553
Engineering	523	15	619	661	601
Engineering Technologies/Technicians	36	1	586	650	574
English Language and Literature/Letters	76	2	656	591	629
Family and Consumer Sciences/Human Sciences	6	0	557	512	548
Foreign Languages, Literatures, and Linguistics	30	1	649	626	635
Health Professions and Related Clinical Services	558	16	578	606	582
History	37	1	638	591	614
Legal Professions and Studies	85	2	605	604	586
Liberal Arts and Sciences, General Studies, and Humanities	45	1	639	615	633
Library Science And Administration	0	0			
Mathematics and Statistics	57	2	630	695	621
Mechanic and Repair Technologies/Technician	2	0			
Military Technologies And Applied Sciences	17	0	585	617	551
Multi/Interdisciplinary Studies	58	2	656	648	642
Natural Resources and Conservation	20	1	649	614	603
Parks, Recreation, Leisure and Fitness Studies	5	0	476	430	464
Personal and Culinary Services	2	0			
Philosophy and Religious Studies	11	0	613	588	601
Physical Sciences	88	3	656	683	633
Precision Production	0	0			
Psychology	95	3	584	586	568
Public Administration and Social Services Professions	10	0	575	606	539
Security and Protective Services	25	1	525	515	485
Social Sciences	93	3	649	638	637
Theology and Religious Vocations	7	0	629	596	603
Transportation and Materials Moving	5	0	468	510	454
Visual and Performing Arts	327	9	594	571	577
Other	21	1	558	548	510
Undecided	211	6	632	634	619
Degree-Level Goal					
Certificate Program	13	0	523	583	514
Associate Degree	8	0	445	441	455
Bachelor's Degree	708	20	551	559	533
Master's Degree	1,130	31	589	610	576
Doctoral or Related Degree	1,327	37	623	640	615
Other	11	0	517	545	532
Undecided	418	12	609	621	600

College Plans

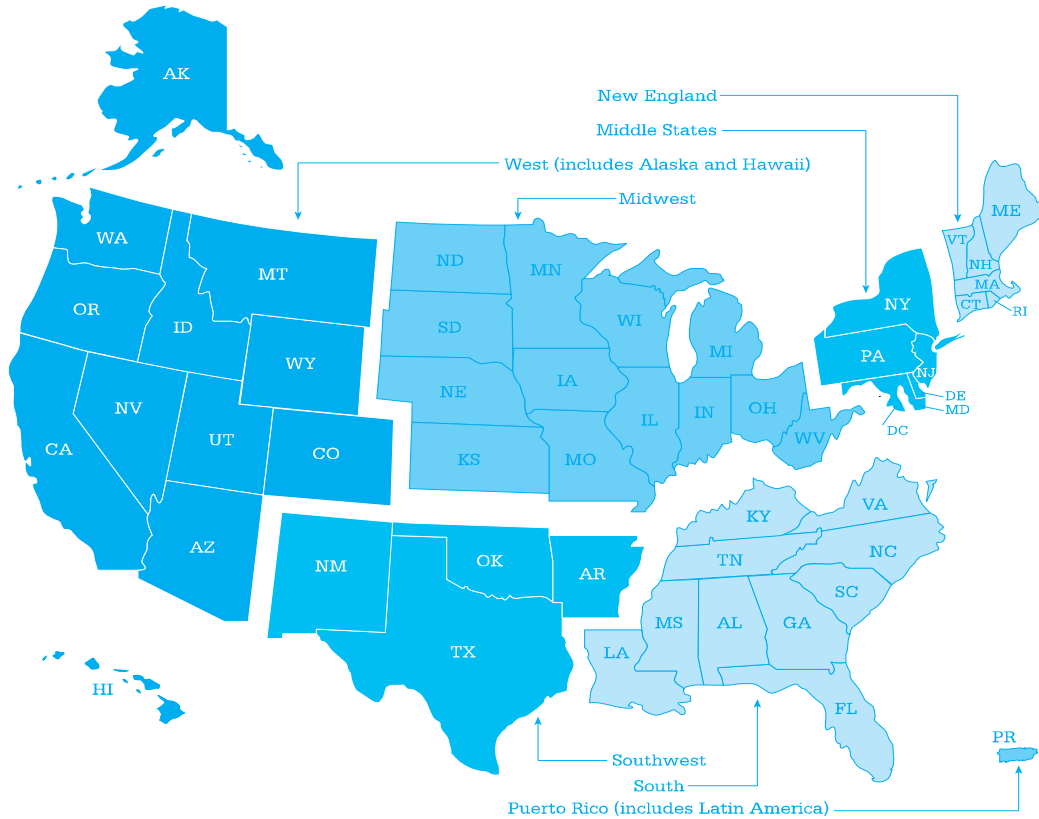
Table 27: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 4,912 students from your state who took the SAT and/or an SAT Subject Test, 3,618 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 939 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
University of Michigan	MI	Public	1,635	45.2
Michigan State University	MI	Public	899	24.8
NATIONAL MERIT SCHOLARSHIP CORPORATION	IL	Scholarship	627	17.3
Harvard College	MA	Private	624	17.2
Northwestern Univ - Ctr for Talent Dev Prog	IL	Scholarship	570	15.8
Northwestern University	IL	Private	487	13.5
Stanford University	CA	Private	485	13.4
Princeton University	NJ	Private	459	12.7
Massachusetts Institute of Technology	MA	Private	425	11.7
Cornell University	NY	Private	396	10.9
Yale University	CT	Private	396	10.9
University of Chicago	IL	Private	322	8.9
University of Pennsylvania	PA	Private	322	8.9
Columbia University	NY	Private	279	7.7
Brown University	RI	Private	251	6.9
Carnegie Mellon University	PA	Private	238	6.6
University of California: Berkeley	CA	Public	219	6.1
Washington University in St. Louis	MO	Private	219	6.1
Duke University	NC	Private	218	6.0
Johns Hopkins University	MD	Private	210	5.8
Dartmouth College	NH	Private	196	5.4
Case Western Reserve University	OH	Private	191	5.3
Wayne State University	MI	Public	189	5.2
Purdue University	IN	Public	187	5.2
Grand Valley State University	MI	Public	173	4.8
University of Notre Dame	IN	Private	166	4.6
New York University	NY	Private	155	4.3
Vanderbilt University	TN	Private	147	4.1
Western Michigan University	MI	Public	146	4.0
Boston University	MA	Private	144	4.0
Georgetown University	DC	Private	140	3.9
Michigan Technological University	MI	Public	130	3.6
University of California: Los Angeles	CA	Public	127	3.5
University of Illinois at Urbana-Champaign	IL	Public	126	3.5
University of Southern California	CA	Private	118	3.3
Eastern Michigan University	MI	Public	117	3.2
California Institute of Technology	CA	Private	116	3.2
Ohio State University: Columbus Campus	OH	Public	112	3.1
Central Michigan University	MI	Public	108	3.0
Kalamazoo College	MI	Private	107	3.0
Oakland University	MI	Public	102	2.8
Rice University	TX	Private	91	2.5
Indiana University Bloomington	IN	Public	91	2.5
Hope College	MI	Private	90	2.5
University of Michigan: Dearborn	MI	Public	88	2.4

*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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