

SAT

2015 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 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	3,765	594	117	609	117	585	113	58.8	11.6	7.8	1.5

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	1,769	604	119	636	116	587	118	59.3	12.0	7.7	1.6
Female	1,996	584	114	585	112	583	109	58.4	11.3	7.9	1.4

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)	1,625	568	127	586	126	560	119	56.3	12.3	7.5	1.5
Junior (2013-2014)	1,985	618	102	631	105	610	102	61.2	10.5	8.0	1.4
Sophomore (2012-2013)	53	568	128	613	113	559	129	56.6	12.6	7.4	1.7
Freshman (2011-2012)	102	533	85	538	92	505	77	52.0	7.8	6.9	1.4
Total	3,765	594	117	609	117	585	113	58.8	11.6	7.8	1.5

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	680	700	670	570	590	560
50th	600	620	590	490	510	480
25th	520	530	510	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	438	346	784	600	345	945	338	315	653
600-690	547	594	1,141	597	605	1,202	546	607	1,153
500-590	449	622	1,071	352	619	971	487	668	1,155
400-490	240	318	558	159	330	489	287	308	595
300-390	75	104	179	53	78	131	87	81	168
200-290	20	12	32	8	19	27	24	17	41

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	2,570	74	46	54	598	619	590
Religiously Affiliated	426	12	52	48	572	600	570
Independent	474	14	46	54	604	600	593
Other or Unknown	295		45	55	573	546	545

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	20	1	559		538		533	
Asian, Asian American, or Pacific Islander	847	22	603	135	681	96	614	130
Black or African American	300	8	516	121	501	121	500	111
Mexican or Mexican American	47	1	531	115	519	105	524	98
Puerto Rican	17	0	565		545		542	
Other Hispanic, Latino, or Latin American	76	2	568	99	577	104	555	105
White	2,198	58	605	102	602	106	589	98
Other	132	4	583	125	606	120	588	121
No Response	128	3	572	119	571	124	561	121
Total	3,765	100	594	117	609	117	585	113

Table 9: Male Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	11	0	588		537		543	
Asian, Asian American, or Pacific Islander	434	12	615	135	703	92	620	134
Black or African American	117	3	521	131	527	128	493	122
Mexican or Mexican American	19	1	557		553		542	
Puerto Rican	9	0	538		502		503	
Other Hispanic, Latino, or Latin American	34	1	556	98	586	110	528	86
White	1,017	27	616	104	629	104	589	101
Other	63	2	590	124	628	121	593	123
No Response	65	2	565	123	586	132	554	124
Total	1,769	47	604	119	636	116	587	118

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	9	0	523		539		521	
Asian, Asian American, or Pacific Islander	413	11	591	133	658	96	607	126
Black or African American	183	5	512	114	484	113	504	103
Mexican or Mexican American	28	1	513	102	496	87	513	92
Puerto Rican	8	0	596		593		586	
Other Hispanic, Latino, or Latin American	42	1	578	99	569	99	577	114
White	1,181	31	596	101	579	101	589	96
Other	69	2	577	125	586	115	584	118
No Response	63	2	580	115	556	114	568	117
Total	1,996	53	584	114	585	112	583	109

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	3,765	100	594	117	609	117	585	113
First Language Learned								
English	2,664	73	601	109	597	114	585	105
English and Another	558	15	611	120	648	114	615	118
Another Language	444	12	533	139	644	115	552	140
No Response	99		575	113	563	125	558	114
Citizenship								
U.S. Citizen / U.S. National	3,280	91	606	110	608	117	593	108
U.S. Permanent Resident or Refugee	112	3	608	104	662	103	616	110
Citizen of Another Country	223	6	464	119	611	116	489	128
Other, Unknown, or No Response	150		507	114	579	117	512	118
Plans to Apply for Financial Aid								
Yes	2,330	72	594	116	600	118	582	112
No	319	10	585	115	618	107	586	109
Don't Know	604	19	598	123	631	114	593	118
No Response	512		593	115	617	117	585	115
Family Income								
\$0 - \$20,000	120	5	507	123	530	131	499	108
\$20,000–\$40,000	216	9	535	121	549	122	525	111
\$40,000–\$60,000	236	10	546	115	558	115	535	107
\$60,000–\$80,000	282	12	586	109	589	116	574	105
\$80,000–\$100,000	317	13	597	115	604	115	582	109
\$100,000–\$120,000	314	13	603	110	626	110	596	105
\$120,000–\$140,000	191	8	609	109	628	105	603	105
\$140,000–\$160,000	168	7	598	101	620	101	593	99
\$160,000–\$200,000	205	8	620	103	630	104	608	99
More than \$200,000	395	16	624	100	638	97	617	95
No Response	1,321		603	119	621	118	594	120
Highest Level of Parental Education								
No High School Diploma	48	1	488	100	536	129	500	102
High School Diploma	334	9	508	115	532	114	505	109
Associate Degree	150	4	551	113	549	120	537	108
Bachelor's Degree	1,225	34	579	109	593	109	567	106
Graduate Degree	1,861	51	630	106	644	107	622	104
No Response	147		524	123	556	127	517	117
Took the PSAT/NMSQT®								
Yes, As a Junior	1,404	41	617	106	624	109	606	102
Yes, As a Sophomore or Younger	561	16	589	105	603	110	576	100
Yes, As a Junior and As a Sophomore or Younger	735	21	647	98	655	102	639	97
No	751	22	515	118	549	123	511	117
No Response	314		560	111	586	114	553	108

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	1,168	62	47	53	645	661	634
Second Tenth	400	21	47	53	551	577	550
Second Fifth	188	10	54	46	528	550	518
Final Three Fifths	140	7	44	56	479	479	469
No Response	1,869		47	53	586	599	577

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)	741	21	45	55	661	669	647
A (93–96)	1,432	40	45	55	621	644	617
A- (90–92)	688	19	48	52	571	592	563
B (80–89)	689	19	49	51	509	513	496
C (70–79)	53	1	66	34	447	439	426
D, E, or F (below 70)	1	0	0	100			
No Response	161		55	45	545	565	531
Mean Grade Point Average	All Students: 3.81		Male: 3.79		Female: 3.83		

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	2.5	2.8	2.7	3.93	3.95	3.94
English and Language Arts	4.0	4.0	4.0	3.70	3.82	3.76
Foreign and Classical Languages	3.2	3.3	3.2	3.73	3.81	3.78
Mathematics	4.2	4.1	4.2	3.69	3.63	3.66
Natural Sciences	3.9	3.8	3.8	3.74	3.70	3.72
Social Sciences and History	3.7	3.7	3.7	3.77	3.80	3.79
Total for All Subjects	21.5	21.7	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	Test-Takers		Percent by Gender		SAT Mean Scores		
	Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	579	18	45	55	605	623	596
4 Years	2,259	72	47	53	603	613	593
3 Years	211	7	42	58	528	550	525
2 Years	46	1	57	43	534	604	539
1 Year	27	1	48	52	517	547	518
1/2 Year or Less	18	1	44	56	442	482	446
No Response	625		51	49	583	607	574
AP [®] /Honors Courses	1,850	59	43	57	634	639	624
Course Work or Experience							
English/Language Arts	2,866	95	45	55	596	607	587
Journalism	332	11	33	67	580	580	576
Creative Writing	739	24	40	60	581	576	570
American Literature	2,005	66	45	55	603	611	593
Composition/Writing	1,508	50	44	56	588	596	578
British Literature	851	28	41	59	609	607	595
World Literature	1,293	43	44	56	607	613	597
Communications	369	12	47	53	563	588	558
Public Speaking	872	29	44	56	590	597	582
English As Second Language	188	6	43	57	466	594	488
Mathematics							
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,043	33	51	49	619	649	609
4 Years	1,783	56	44	56	594	598	584
3 Years	238	8	38	62	537	535	534
2 Years	50	2	50	50	546	616	552
1 Year	21	1	57	43	504	568	515
1/2 Year or Less	21	1	38	62	438	467	449
No Response	609		51	49	586	607	575
AP/Honors Courses	1,922	61	49	51	632	658	625
Highest Level of Mathematics Achieved*							
Calculus	1,918	62	50	50	628	658	620
Pre-calculus	660	21	42	58	556	548	546
Geometry	417	13	36	64	512	485	499
Algebra II	23	1	30	70	519	513	505
Algebra I	3	0	0	100			

*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	704	23	51	49	622	653	614
4 Years	1,584	51	47	53	610	619	598
3 Years	599	19	39	61	551	555	548
2 Years	126	4	56	44	552	566	543
1 Year	58	2	40	60	529	560	522
1/2 Year or Less	47	2	47	53	527	547	529
No Response	647		50	50	582	604	572
AP/Honors Courses	1,775	57	48	52	633	653	624
Course Work or Experience							
Biology	2,915	96	46	54	596	608	586
Chemistry	2,892	95	46	54	598	611	589
Physics	2,359	78	50	50	604	625	595
Geology, Earth, or Space Science	1,226	40	45	55	579	592	570
Other Sciences	1,113	37	39	61	588	592	578

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	475	15	48	52	609	626	602
4 Years	1,526	49	45	55	611	617	601
3 Years	897	29	46	54	581	599	570
2 Years	158	5	46	54	549	583	548
1 Year	38	1	58	42	513	568	512
1/2 Year or Less	26	1	58	42	468	535	485
No Response	645		51	49	580	603	570
AP/Honors Courses	1,737	56	47	53	638	646	628
Course Work or Experience							
U.S. History	2,837	93	46	54	596	609	587
World History or Cultures	2,645	87	45	55	596	608	587
U.S. Government or Civics	2,626	87	46	54	597	609	587
Economics	2,376	78	46	54	595	609	586
Geography	637	21	43	57	563	577	550
Psychology	1,218	40	35	65	594	599	586
European History	699	23	49	51	611	611	597
Sociology	425	14	34	66	557	560	550
Ancient History	488	16	45	55	595	597	580
Other Courses	541	18	45	55	589	595	578

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	525	17	44	56	623	642	620
4 Years	999	32	45	55	629	639	620
3 Years	612	20	47	53	593	607	583
2 Years	737	24	47	53	565	570	551
1 Year	131	4	51	49	521	562	514
1/2 Year or Less	104	3	55	45	496	533	496
No Response	657		50	50	579	603	569
AP/Honors Courses	901	29	44	56	652	665	647
Course Work or Experience							
Chinese	206	7	57	43	603	665	599
French	627	21	38	62	609	613	600
German	210	7	49	51	608	617	595
Greek	20	1	50	50	627	563	570
Hebrew	12	0	58	42	614	596	617
Italian	25	1	48	52	540	552	522
Japanese	72	2	50	50	564	634	566
Korean	11	0	18	82	393	515	426
Latin	235	8	51	49	637	623	606
Russian	20	1	45	55	531	509	493
Spanish	1,764	58	44	56	593	602	584
Other Languages	123	4	41	59	527	572	524

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	352	12	41	59	612	619	603	
4 Years	811	28	43	57	628	630	614	
3 Years	314	11	38	62	591	595	580	
2 Years	543	19	44	56	583	600	580	
1 Year	556	19	52	48	596	613	585	
1/2 Year or Less	301	10	62	38	581	612	574	
No Response	888		50	50	565	592	557	
AP/Honors Courses	286	10	40	60	639	652	635	
Course Work or Experience								
Acting or Play Production	696	24	32	68	613	599	598	
Art History or Appreciation	424	15	36	64	587	586	578	
Dance	317	11	11	89	578	573	572	
Drama: Study or Appreciation	465	16	32	68	594	580	581	
Music: Study or Appreciation	477	16	42	58	605	598	592	
Music Performance	1,679	57	45	55	616	624	604	
Photography or Film	569	19	34	66	581	583	575	
Studio Art and Design	814	28	35	65	591	598	584	
None	366	13	63	37	555	586	549	

Computers†	Test-Takers		Percent by Gender		SAT Mean Scores		
	Course Work or Experience	Number	Pct	Male	Female	Critical Reading	Mathematics
Computer Literacy	387	61	49	51	639	659	629
Computer Programming	193	31	64	36	645	682	636
Word Processing	383	61	48	52	643	662	632
Internet Activity	336	53	49	51	643	664	632
Using Computer Graphics	196	31	54	46	624	647	611
Creating Spreadsheets/Databases	246	39	51	49	645	669	637
None	105	17	46	54	628	652	632

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
2,075	5,025	1,112	669	699	667

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	205	10
2	1,033	50
3	648	31
4 or More	189	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	464	650	82	250	677	85	662	87	668	77	
History and Social Studies											
U.S. History	465	680	89	271	689	79	687	88	677	82	
World History	81	634	102	43	665	66	670	91	658	80	
Mathematics											
Mathematics Level 1	388	643	86	169	622	97	654	83	625	88	
Mathematics Level 2	1,487	718	80	847	676	91	718	69	675	87	
Science											
Biology-E	175	657	80	109	658	90	691	82	663	79	
Biology-M	394	698	73	230	689	77	720	68	691	74	
Chemistry	872	693	88	495	680	94	721	72	680	90	
Physics	411	679	87	224	672	92	724	71	671	91	
Foreign and Classical Languages											
Chinese/Listening	38	766	63	26	713	94	741	59	702	91	
French	52	596	101	32	675	81	673	72	674	64	
French/Listening	14	643		10	621		655		664		
German	7	639		2							
German/Listening	2			1							
Modern Hebrew	2			2							
Italian	4			3							
Japanese/Listening	10	705		9	563		687		623		
Korean/Listening	6	795		4							
Latin	16	615		13	724		691		705		
Spanish	129	609	108	84	656	83	679	82	673	80	
Spanish/Listening	8	625		6	698		715		700		

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	50	11	134	29	13	16
700-740	109	23	103	22	7	9
650-690	108	23	89	19	22	27
600-640	90	19	63	14	11	14
550-590	58	13	32	7	13	16
500-540	24	5	24	5	6	7
450-490	18	4	14	3	7	9
400-440	3	1	4	1	1	1
350-390	4	1	1	0	1	1
300-340			1	0		
250-290						
200-240						
Total	464		465		81	
Mean	650		680		634	
SD	82		89		102	
75th percentile	710		750		690	
50th percentile	660		700		650	
25th percentile	600		630		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	32	8	719	48	24	14	118	30	307	35	114	28
700-740	95	24	230	15	39	22	107	27	179	21	78	19
650-690	77	20	243	16	43	25	88	22	148	17	82	20
600-640	85	22	162	11	31	18	45	11	107	12	63	15
550-590	43	11	86	6	24	14	18	5	65	7	46	11
500-540	35	9	41	3	6	3	13	3	39	4	17	4
450-490	13	3	3	0	7	4	5	1	20	2	8	2
400-440	4	1	2	0	1	1			7	1	3	1
350-390	3	1	1	0								
300-340	1	0										
250-290												
200-240												
Total	388		1,487		175		394		872		411	
Mean	643		718		657		698		693		679	
SD	86		80		80		73		88		87	
75th percentile	710		800		710		750		770		750	
50th percentile	650		740		660		710		710		680	
25th percentile	590		660		610		650		640		620	

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	32	84	5	10	1	7	2	29				
700-740	3	8	6	12	5	36	1	14				
650-690			2	4	2	14						
600-640	2	5	12	23	4	29	1	14	1	50		
550-590			10	19			1	14	1	50		
500-540	1	3	8	15			1	14				
450-490			7	13	1	7	1	14			1	50
400-440			1	2							1	50
350-390			1	2	1	7						
300-340												
250-290												
200-240												
Total	38		52		14		7		2		2	
Mean	766		596		643		639					
SD	63		101									
75th percentile	800		640									
50th percentile	790		590									
25th percentile	770		520									

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	3	75	7	70	6	100	3	19	16	12	1	13
700-740	1	25					2	13	13	10	2	25
650-690							1	6	22	17		
600-640			1	10			2	13	26	20		
550-590			1	10			3	19	18	14	4	50
500-540							2	13	12	9	1	13
450-490							3	19	10	8		
400-440									8	6		
350-390			1	10					3	2		
300-340												
250-290									1	1		
200-240												
Total	4		10		6		16		129		8	
Mean			705		795		615		609		625	
SD									108			
75th percentile									680			
50th percentile									620			
25th percentile									530			

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	21	1	538	540	530
Architecture and Related Services	35	1	557	606	547
Area, Ethnic, Cultural and Gender Studies	6	0	672	615	623
Biological and Biomedical Sciences	308	10	625	640	622
Business Management, Marketing, and Related Support Services	337	10	554	597	556
Communication, Journalism and Related Programs	66	2	566	533	551
Computer and Information Sciences and Support Services	107	3	637	663	607
Construction Trades	0	0			
Education	64	2	574	581	565
Engineering	503	16	626	664	605
Engineering Technologies/Technicians	38	1	571	639	562
English Language and Literature/Letters	51	2	645	600	625
Family and Consumer Sciences/Human Sciences	3	0			
Foreign Languages, Literatures, and Linguistics	32	1	630	583	607
Health Professions and Related Clinical Services	537	17	588	604	589
History	32	1	635	605	606
Legal Professions and Studies	71	2	594	590	586
Liberal Arts and Sciences, General Studies, and Humanities	39	1	611	552	594
Library Science And Administration	0	0			
Mathematics and Statistics	52	2	629	699	627
Mechanic and Repair Technologies/Technician	1	0			
Military Technologies And Applied Sciences	17	1	576	591	565
Multi/Interdisciplinary Studies	60	2	647	654	632
Natural Resources and Conservation	9	0	560	619	579
Parks, Recreation, Leisure and Fitness Studies	7	0	576	540	560
Personal and Culinary Services	4	0			
Philosophy and Religious Studies	12	0	665	590	623
Physical Sciences	78	2	659	686	642
Precision Production	1	0			
Psychology	105	3	558	547	556
Public Administration and Social Services Professions	11	0	654	651	654
Security and Protective Services	34	1	512	516	509
Social Sciences	91	3	651	629	640
Theology and Religious Vocations	5	0	588	542	562
Transportation and Materials Moving	1	0			
Visual and Performing Arts	277	9	579	553	567
Other	17	1	575	589	562
Undecided	207	6	634	646	626
Degree-Level Goal					
Certificate Program	20	1	549	604	562
Associate Degree	9	0	480	536	496
Bachelor's Degree	669	20	547	559	534
Master's Degree	1,047	31	591	608	581
Doctoral or Related Degree	1,215	36	622	634	615
Other	18	1	488	571	502
Undecided	353	11	608	621	597

College Plans

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

Of the 4,728 students from your state who took the SAT and/or an SAT Subject Test, 3,443 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 969 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
University of Michigan	MI	Public	1,526	44.3
Michigan State University	MI	Public	873	25.4
NMSC Scholarship Admin	IL	Scholarship	610	17.7
Harvard College	MA	Private	585	17.0
Northwestern Univ - Ctr for Talent Dev Prog	IL	Scholarship	533	15.5
Stanford University	CA	Private	483	14.0
Princeton University	NJ	Private	475	13.8
Massachusetts Institute of Technology	MA	Private	436	12.7
Northwestern University	IL	Private	434	12.6
University of Pennsylvania	PA	Private	377	10.9
Cornell University	NY	Private	356	10.3
Yale University	CT	Private	355	10.3
University of Chicago	IL	Private	311	9.0
Columbia University	NY	Private	300	8.7
University of California: Berkeley	CA	Public	257	7.5
Carnegie Mellon University	PA	Private	231	6.7
Brown University	RI	Private	231	6.7
Johns Hopkins University	MD	Private	219	6.4
Dartmouth College	NH	Private	208	6.0
Purdue University	IN	Public	200	5.8
Case Western Reserve University	OH	Private	199	5.8
Washington University in St. Louis	MO	Private	184	5.3
New York University	NY	Private	182	5.3
Grand Valley State University	MI	Public	179	5.2
Wayne State University	MI	Public	170	4.9
Duke University	NC	Private	169	4.9
University of Notre Dame	IN	Private	143	4.2
Boston University	MA	Private	141	4.1
Western Michigan University	MI	Public	136	4.0
University of California: Los Angeles	CA	Public	133	3.9
Vanderbilt University	TN	Private	126	3.7
Georgetown University	DC	Private	117	3.4
California Institute of Technology	CA	Private	115	3.3
University of Southern California	CA	Private	112	3.3
Central Michigan University	MI	Public	109	3.2
Kalamazoo College	MI	Private	106	3.1
Ohio State University: Columbus Campus	OH	Public	105	3.0
Michigan Technological University	MI	Public	102	3.0
University of Illinois at Urbana-Champaign	IL	Public	97	2.8
Oakland University	MI	Public	95	2.8
Hope College	MI	Private	94	2.7
Eastern Michigan University	MI	Public	84	2.4
Penn State University Park	PA	Public	83	2.4
Georgia Institute of Technology	GA	Public	82	2.4
Rice University	TX	Private	76	2.2

*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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