

SAT[®]

2016 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 2016 who took the pre-March 2016 SAT or SAT Subject Tests at any time during high school. ***Data and other information in this report are embargoed from dissemination to the media and general public until after the College Board makes state and total group-level data and information publically available. The embargo will be lifted no later than September 30, 2016.*** Prior to that time, you may use the data and other information in this report for internal purposes. The College Board will post updated information in the coming weeks about the embargo at <https://collegeboard.org/press>; if you have questions, please contact the College Board communications department at communications@collegeboard.org.

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The SAT® Program

The SAT® assesses student reasoning based on knowledge and skills developed by the students in their course work. The SAT Subject Tests™ (formerly known as SAT II: Subject Tests) are a series of one-hour, mostly multiple-choice tests that measure how much students know about a particular academic subject and how well they can apply that knowledge. Most students also complete the optional SAT Questionnaire (formerly known as the Student Descriptive Questionnaire) when they register to take SAT Program tests, providing valuable contextual information to aid in interpreting and understanding individual and group scores. *College-Bound Seniors 2016* includes students who tested through January 2016. The College Board administered the first redesigned SAT in March 2016. While a majority of the Class of 2016 took only the pre-March 2016 SAT, a small percentage took the new SAT. The report includes senior test-takers in this class who took the SAT prior to March 2016. To help schools with the transition to the new SAT, we have included an addendum on results from the March - June 2016 administrations.

Using This Report

College-Bound Seniors presents data on high school graduates in the year 2016 who participated in the SAT Program. Students are counted only once, no matter how often they tested, and only their latest scores and most recent SAT Questionnaire responses are summarized. Because the accuracy of self-reported information has been documented and the college-bound population is relatively stable from year to year, SAT Questionnaire responses from these students can be considered highly accurate. Therefore, you can use this report to:

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

Keep in mind, however, that:

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

considered, it is appropriate to recognize that in some states there are lower participation rates. Typically, test-takers in these states have strong academic backgrounds and apply to the nation's most selective colleges and scholarship programs. For these states, it is expected that the SAT mean scores reported for students will be higher than the national average.

Statistical Definitions

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

Mean

The *mean* is the arithmetic average.

Percentile

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

Scaled score

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

Standard deviation (SD)

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

About the College Board

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

Total Group Mean SAT Scores

College-Bound Seniors, 1972–2016

Year	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
1972	531	529	530	527	489	509	-	-	-
1973	523	521	523	525	489	506	-	-	-
1974	524	520	521	524	488	505	-	-	-
1975	515	509	512	518	479	498	-	-	-
1976	511	508	509	520	475	497	-	-	-
1977	509	505	507	520	474	496	-	-	-
1978	511	503	507	517	474	494	-	-	-
1979	509	501	505	516	473	493	-	-	-
1980	506	498	502	515	473	492	-	-	-
1981	508	496	502	516	473	492	-	-	-
1982	509	499	504	516	473	493	-	-	-
1983	508	498	503	516	474	494	-	-	-
1984	511	498	504	518	478	497	-	-	-
1985	514	503	509	522	480	500	-	-	-
1986	515	504	509	523	479	500	-	-	-
1987	512	502	507	523	481	501	-	-	-
1988	512	499	505	521	483	501	-	-	-
1989	510	498	504	523	482	502	-	-	-
1990	505	496	500	521	483	501	-	-	-
1991	503	495	499	520	482	500	-	-	-
1992	504	496	500	521	484	501	-	-	-
1993	504	497	500	524	484	503	-	-	-
1994	501	497	499	523	487	504	-	-	-
1995	505	502	504	525	490	506	-	-	-
1996	507	503	505	527	492	508	-	-	-
1997	507	503	505	530	494	511	-	-	-
1998	509	502	505	531	496	512	-	-	-
1999	509	502	505	531	495	511	-	-	-
2000	507	504	505	533	498	514	-	-	-
2001	509	502	506	533	498	514	-	-	-
2002	507	502	504	534	500	516	-	-	-
2003	512	503	507	537	503	519	-	-	-
2004	512	504	508	537	501	518	-	-	-
2005	513	505	508	538	504	520	-	-	-
2006	505	502	503	536	502	518	491	502	497
2007	503	500	501	532	499	514	487	499	493
2008	502	499	500	532	499	514	486	499	493
2009	502	497	499	533	498	514	485	498	492
2010	502	498	500	533	499	515	485	497	491
2011	500	495	497	531	500	514	482	496	489
2012	498	493	496	532	499	514	481	494	488
2013	499	494	496	531	499	514	482	493	488
2014	499	495	497	530	499	513	481	492	487
2015	497	493	495	527	496	511	478	490	484
2016	495	493	494	524	494	508	475	487	482

Note: For 1972–1986 a formula was applied to the original mean and standard deviation to convert the mean to the recentered scale. For 1987–1995 individual student scores were converted to the recentered scale and then the mean was recomputed. From 1996–1999, nearly all students received scores on the recentered scale. Any score on the original scale was converted to the recentered scale prior to computing the mean. From 2000–2016, all scores are reported on the recentered scale. Cohort data presented prior to 2007 include students testing through March of the senior year, while cohort data from 2007 to 2015 include students testing through June. Cohort data presented for 2016 includes test-takers through January 2016. For further information see www.collegeboard.org/cbs.

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SAT[®] Data

Data in this report are for high school graduates in the year 2016. Information is summarized for seniors who took the SAT at any time during their high school years through January 2016. If a student took the pre-March 2016 SAT more than once, the most recent score is used. A small percentage of seniors take their first SAT between March and June of their senior years.

Table 1: Overall Mean Scores

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total	3,565	594	114	608	114	581	112	58.5	11.5	7.7	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	1,745	600	114	630	112	580	112	58.8	11.5	7.5	1.5
Female	1,820	587	114	587	113	582	112	58.3	11.5	7.8	1.4

Table 3: Year in Which Seniors Last Took the SAT

Scores are from the last administration in which seniors took the pre-March 2016 SAT.

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Senior (2015-2016)	1,447	573	124	588	122	557	116	56.2	12.0	7.5	1.5
Junior (2014-2015)	1,996	612	104	625	107	602	105	60.5	10.8	7.8	1.4
Sophomore (2013-2014)	69	579	95	612	91	561	99	57.2	10.7	7.3	1.3
Freshman (2012-2013)	53	508	78	523	82	485	75	49.9	8.0	6.5	1.3
Total	3,565	594	114	608	114	581	112	58.5	11.5	7.7	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	1,637,589	494	117	508	121	482	115	48.4	11.7	6.9	1.7

SAT Data

Table 5: Percentiles for State and Total Group

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

SAT Percentile	State			Total Group		
	Critical Reading	Mathematics	Writing	Critical Reading	Mathematics	Writing
75th	680	690	660	570	590	560
50th	600	610	580	490	500	480
25th	520	530	510	410	420	400

Table 6: Score Distributions

SAT Score Range	Critical Reading			Mathematics			Writing		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
700–800	386	350	736	536	328	864	263	278	541
600-690	565	555	1,120	596	574	1,170	555	570	1,125
500-590	495	526	1,021	398	524	922	529	569	1,098
400-490	216	296	512	164	305	469	298	304	602
300-390	67	76	143	46	79	125	85	88	173
200-290	16	17	33	5	10	15	15	11	26

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	2,487	74	48	52	597	614	584
Religiously Affiliated	435	13	57	43	564	597	559
Independent	447	13	49	51	609	607	597
Other or Unknown	196		42	58	584	558	556

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	11	0	554		528		528	
Asian or Asian American	788	22	602	132	677	98	612	128
Black or African American	243	7	504	110	492	114	490	105
Native Hawaiian or Pacific Islander	2	0						
Hispanic, Latino, or Latin American	147	4	553	104	552	115	542	109
White	2,095	59	603	102	601	104	583	99
Two or More Races, non-Hispanic	61	2	605	107	596	124	569	102
Other	57	2	596	124	602	99	585	122
No Response	161	5	601	118	602	114	589	114
Total	3,565	100	594	114	608	114	581	112

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	5	0	522		468		460	
Asian or Asian American	393	11	606	133	689	95	608	129
Black or African American	89	2	491	110	483	119	472	103
Native Hawaiian or Pacific Islander	0	0						
Hispanic, Latino, or Latin American	67	2	555	87	578	117	531	102
White	1,054	30	610	100	625	100	582	98
Two or More Races, non-Hispanic	31	1	627	105	630	116	575	103
Other	28	1	570	123	602	92	561	122
No Response	78	2	610	122	632	112	590	122
Total	1,745	49	600	114	630	112	580	112

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	6	0	580		578		585	
Asian or Asian American	395	11	598	131	666	100	615	128
Black or African American	154	4	512	110	497	111	500	104
Native Hawaiian or Pacific Islander	2	0						
Hispanic, Latino, or Latin American	80	2	552	115	530	109	550	113
White	1,041	29	596	103	577	101	584	100
Two or More Races, non-Hispanic	30	1	582	104	561	122	563	100
Other	29	1	620	120	602	106	608	118
No Response	83	2	593	114	573	108	588	106
Total	1,820	51	587	114	587	113	582	112

Demographic Information

SAT: Student Background Information and Characteristics

Table 11: Student Background Information and Characteristics

Student demographic information provides a broader context to aid in interpreting and understanding individual and group scores.

SAT	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
All Test-Takers	3,565	100	594	114	608	114	581	112
First Language Learned								
English	2,591	74	600	107	597	112	580	103
English and Another	555	16	610	114	644	116	612	122
Another Language	373	11	531	140	633	117	548	136
No Response	46		576	127	593	122	553	135
Citizenship								
U.S. Citizen / U.S. National	3,195	91	604	107	607	114	588	107
U.S. Permanent Resident or Refugee	99	3	603	120	645	109	609	116
Citizen of Another Country	221	6	471	128	613	121	494	130
Other, Unknown, or No Response	50		486	111	604	104	499	113
Plans to Apply for Financial Aid								
Yes	2,267	72	595	112	601	116	580	109
No	306	10	589	110	624	108	582	107
Don't Know	559	18	601	122	624	112	592	120
No Response	433		579	115	612	110	574	116
Family Income								
Less than \$20,000	97	4	493	119	494	119	495	114
About \$20,000 to \$40,000	181	8	532	105	551	115	525	104
About \$40,001 to \$60,000	226	10	559	108	554	109	538	105
About \$60,001 to \$80,000	274	12	592	112	591	116	576	113
About \$80,001 to \$100,000	339	14	591	110	603	111	570	102
About \$100,001 to \$140,000	502	21	599	107	614	107	585	106
About \$140,001 to \$200,000	358	15	613	105	623	104	596	102
More than \$200,000	381	16	614	112	639	102	608	108
No Response	1,207		604	115	625	113	594	114
Highest Level of Parental Education								
No High School Diploma	27	1	455	118	565	136	460	130
High School Diploma	329	10	527	116	532	114	514	106
Associate Degree	138	4	552	107	552	110	532	105
Bachelor's Degree	1,136	34	580	110	596	107	566	106
Graduate Degree	1,761	52	623	105	635	109	610	105
No Response	174		575	131	610	122	566	125
Took the PSAT/NMSQT®								
Yes, As a Junior	1,108	42	621	105	633	104	608	102
Yes, As a Sophomore or Younger	421	16	596	105	608	112	585	106
Yes, As a Junior and As a Sophomore or Younger	633	24	640	96	649	102	628	98
No	490	18	557	109	580	108	546	110
No Response	913		547	120	564	120	534	112

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	1,098	61	54	46	644	664	630
Second Tenth	420	23	50	50	558	575	549
Second Fifth	188	10	60	40	530	553	520
Final Three Fifths	93	5	49	51	477	484	456
No Response	1,766		44	56	584	594	572

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)	674	20	46	54	652	664	637
A (93–96)	1,339	39	46	54	622	641	614
A- (90–92)	705	21	50	50	577	590	562
B (80–89)	652	19	57	43	514	522	497
C (70–79)	56	2	57	43	447	434	432
D, E, or F (below 70)		0					
No Response	139		45	55	559	580	540
Mean Grade Point Average	All Students: 3.80		Male: 3.76		Female: 3.84		

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	2.6	2.9	2.7	3.93	3.96	3.95
English and Language Arts	3.9	4.0	4.0	3.73	3.83	3.78
Foreign and Classical Languages	3.2	3.4	3.3	3.72	3.82	3.77
Mathematics	4.2	4.1	4.1	3.69	3.67	3.68
Natural Sciences	3.9	3.8	3.8	3.74	3.74	3.74
Social Sciences and History	3.6	3.6	3.6	3.80	3.82	3.81
Total for All Subjects	21.4	21.8	21.5			

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	Writing
More Than 4 Years	475	16	46	54	607	621	596	
4 Years	2,252	74	49	51	606	615	591	
3 Years	164	5	54	46	546	569	531	
2 Years	62	2	52	48	526	589	531	
1 Year	25	1	56	44	478	555	470	
1/2 Year or Less	50	2	52	48	457	497	463	
No Response	537		48	52	572	595	564	
AP [®] /Honors Courses	1,717	57	46	54	632	639	618	
Course Work or Experience								
English/Language Arts	2,901	96	49	51	597	607	582	
Journalism	246	8	37	63	594	579	577	
Creative Writing	669	22	42	58	588	579	569	
American Literature	1,906	63	49	51	603	611	589	
Composition/Writing	1,490	49	48	52	590	596	575	
British Literature	669	22	48	52	602	601	584	
World Literature	1,099	36	50	50	609	617	594	
Communications	300	10	47	53	571	592	558	
Public Speaking	772	26	48	52	595	603	582	
English As Second Language	158	5	39	61	462	593	483	
Mathematics								
Years of Study	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	1,019	33	53	47	622	654	609	
4 Years	1,773	57	47	53	596	598	581	
3 Years	196	6	49	51	539	535	527	
2 Years	58	2	52	48	513	574	520	
1 Year	34	1	47	53	481	563	499	
1/2 Year or Less	49	2	55	45	445	468	441	
No Response	436		47	53	578	600	571	
AP/Honors Courses	1,922	61	51	49	630	657	618	
Highest Level of Mathematics Achieved*								
Calculus	1,882	60	53	47	632	660	618	
Pre-calculus	684	22	43	57	550	550	541	
Geometry	476	15	40	60	516	486	498	
Algebra II	29	1	41	59	492	503	482	
Algebra I	5	0	60	40	522	458	502	

*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	589	20	50	50	626	656	613	
4 Years	1,669	56	50	50	611	621	595	
3 Years	526	18	44	56	557	553	546	
2 Years	106	4	45	55	538	569	539	
1 Year	50	2	56	44	533	592	515	
1/2 Year or Less	48	2	44	56	470	478	462	
No Response	577		49	51	572	592	564	
AP/Honors Courses	1,667	56	50	50	635	655	621	
Course Work or Experience								
Biology	2,946	97	49	51	596	607	582	
Chemistry	2,911	96	49	51	597	610	583	
Physics	2,340	77	54	46	605	626	591	
Geology, Earth, or Space Science	1,181	39	48	52	582	591	568	
Other Sciences	1,099	36	44	56	588	592	574	

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	330	11	45	55	614	626	601	
4 Years	1,514	51	49	51	613	618	599	
3 Years	868	29	50	50	589	607	571	
2 Years	136	5	50	50	533	578	536	
1 Year	45	2	42	58	514	570	515	
1/2 Year or Less	51	2	49	51	468	504	464	
No Response	621		50	50	573	595	565	
AP/Honors Courses	1,507	51	49	51	638	647	623	
Course Work or Experience								
U.S. History	2,859	95	49	51	597	609	583	
World History or Cultures	2,688	89	48	52	597	608	583	
U.S. Government or Civics	2,638	87	49	51	598	610	584	
Economics	2,347	78	49	51	597	611	584	
Geography	488	16	44	56	565	574	554	
Psychology	1,149	38	41	59	602	607	586	
European History	566	19	52	48	610	607	593	
Sociology	364	12	34	66	569	566	551	
Ancient History	375	12	54	46	608	608	586	
Other Courses	507	17	48	52	601	602	586	

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	527	18	41	59	622	640	618
4 Years	1,001	34	48	52	628	636	613
3 Years	553	19	52	48	592	600	577
2 Years	730	25	52	48	571	577	548
1 Year	65	2	66	34	489	532	480
1/2 Year or Less	88	3	47	53	486	554	494
No Response	601		48	52	569	595	563
AP/Honors Courses	789	27	46	54	648	662	641
Course Work or Experience							
Chinese	185	6	55	45	584	643	583
French	641	21	37	63	605	604	590
German	238	8	55	45	619	621	592
Greek	17	1	59	41	653	626	614
Hebrew	13	0	62	38	610	575	580
Italian	21	1	33	67	583	555	554
Japanese	80	3	40	60	560	611	563
Korean	9	0	56	44	501	613	529
Latin	242	8	57	43	642	626	614
Russian	11	0	55	45	516	555	508
Spanish	1,794	60	49	51	593	602	581
Other Languages	114	4	36	64	555	556	543

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

Academic Information

Course-Taking Patterns

Table 18: Arts and Music

Arts and Music Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	319	18	41	59	595	596	573
4 Years	425	25	48	52	623	632	605
3 Years	167	10	47	53	574	574	558
2 Years	311	18	45	55	578	600	568
1 Year	295	17	53	47	594	615	573
1/2 Year or Less	214	12	61	39	555	583	549
No Response	1,834		49	51	596	611	586
AP/Honors Courses	165	10	39	61	630	635	604
Course Work or Experience							
Acting or Play Production	697	24	36	64	608	589	592
Art History or Appreciation	381	13	38	62	583	576	566
Dance	369	13	15	85	588	584	578
Drama: Study or Appreciation	464	16	37	63	588	566	572
Music: Study or Appreciation	514	18	47	53	609	598	589
Music Performance	1,714	59	47	53	614	621	598
Photography or Film	537	18	38	62	586	586	572
Studio Art and Design	707	24	35	65	594	598	580
None	417	14	64	36	559	592	551

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
1,995	4,871	1,029	668	699	663

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	174	9
2	1,004	50
3	637	32
4 or More	180	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 pre-March 2016 SAT.

	SAT Subject Test			N	SAT						
	N	Mean	SD		Mean	SD	Mean	SD	Mean	SD	
English											
Literature	431	657	83	215	689	79	660	86	673	84	
History and Social Studies											
U.S. History	417	665	89	225	673	79	675	89	666	83	
World History	70	629	102	35	672	98	640	101	644	107	
Mathematics											
Mathematics Level 1	382	655	88	170	633	95	661	82	623	92	
Mathematics Level 2	1,450	718	81	804	674	85	720	66	672	85	
Science											
Biology-E	181	648	90	95	671	89	690	77	656	90	
Biology-M	377	688	81	217	673	82	708	74	678	81	
Chemistry	812	695	87	448	672	84	722	69	676	85	
Physics	425	680	80	246	673	88	729	60	663	88	
Foreign and Classical Languages											
Chinese/Listening	37	753	78	23	677		731		694		
French	53	588	104	31	678	94	676	81	673	77	
French/Listening	7	613		5	710		740		642		
German	17	607		9	691		717		712		
German/Listening	10	564		6	698		703		695		
Modern Hebrew	1										
Italian											
Japanese/Listening	19	746		13	521		708		572		
Korean/Listening	13	765		7	587		683		580		
Latin	11	554		8	699		685		691		
Spanish	144	598	107	72	666	77	669	78	673	81	
Spanish/Listening	14	619		9	681		657		691		

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	59	14	84	20	12	17
700-740	97	23	94	23	10	14
650-690	102	24	90	22	10	14
600-640	80	19	56	13	11	16
550-590	52	12	50	12	11	16
500-540	22	5	27	6	10	14
450-490	13	3	9	2	4	6
400-440	3	1	5	1	1	1
350-390	1	0			1	1
300-340	2	0	1	0		
250-290			1	0		
200-240						
Total	431		417		70	
Mean	657		665		629	
SD	83		89		102	
75th percentile	720		730		700	
50th percentile	660		680		620	
25th percentile	600		600		550	

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	55	14	711	49	27	15	99	26	271	33	98	23
700-740	84	22	238	16	30	17	96	25	188	23	94	22
650-690	93	24	200	14	37	20	84	22	145	18	81	19
600-640	50	13	159	11	45	25	54	14	97	12	87	20
550-590	53	14	109	8	22	12	28	7	54	7	43	10
500-540	28	7	20	1	9	5	7	2	33	4	15	4
450-490	11	3	11	1	5	3	3	1	17	2	5	1
400-440	6	2	1	0	5	3	3	1	3	0	2	0
350-390	2	1	1	0	1	1	2	1	4	0		
300-340							1	0				
250-290												
200-240												
Total	382		1,450		181		377		812		425	
Mean	655		718		648		688		695		680	
SD	88		81		90		81		87		80	
75th percentile	720		800		700		750		760		740	
50th percentile	670		740		650		700		720		680	
25th percentile	590		660		600		640		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	29	78	6	11	1	14	2	12	2	20	1	100
700-740	4	11	3	6								
650-690	1	3	5	9	2	29	4	24				
600-640			12	23			3	18	1	10		
550-590	1	3	9	17	2	29	4	24	1	10		
500-540	1	3	6	11	2	29	3	18	4	40		
450-490	1	3	7	13			1	6				
400-440			4	8					2	20		
350-390			1	2								
300-340												
250-290												
200-240												
Total	37		53		7		17		10		1	
Mean	753		588		613		607		564			
SD	78		104									
75th percentile	790		640									
50th percentile	780		580									
25th percentile	750		500									

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			13	68	11	85			9	6	2	14
700-740			3	16			1	9	24	17	3	21
650-690			1	5			1	9	18	13	1	7
600-640			1	5	2	15	1	9	32	22	3	21
550-590							3	27	17	12		
500-540			1	5			1	9	17	12	4	29
450-490							3	27	13	9		
400-440									8	6		
350-390							1	9	5	3	1	7
300-340												
250-290									1	1		
200-240												
Total			19		13		11		144		14	
Mean			746		765		554		598		619	
SD									107			
75th percentile									680			
50th percentile									610			
25th percentile									510			

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	9	0	509	490	480
Architecture and Related Services	38	1	556	591	557
Area, Ethnic, Cultural and Gender Studies	3	0			
Biological and Biomedical Sciences	293	10	625	631	608
Business Management, Marketing, and Related Support Services	318	10	571	603	566
Communication, Journalism and Related Programs	76	2	581	536	569
Computer and Information Sciences and Support Services	149	5	625	660	603
Construction Trades	1	0			
Education	63	2	565	561	551
Engineering	508	17	618	659	597
Engineering Technologies/Technicians	34	1	556	609	556
English Language and Literature/Letters	62	2	631	575	613
Family and Consumer Sciences/Human Sciences	4	0			
Foreign Languages, Literatures, and Linguistics	27	1	674	604	653
Health Professions and Related Clinical Services	468	15	579	602	580
History	24	1	636	573	598
Legal Professions and Studies	68	2	590	579	578
Liberal Arts and Sciences, General Studies, and Humanities	30	1	632	592	602
Library Science And Administration	1	0			
Mathematics and Statistics	56	2	679	722	658
Mechanic and Repair Technologies/Technician	2	0			
Military Technologies And Applied Sciences	4	0			
Multi/Interdisciplinary Studies	42	1	625	629	607
Natural Resources and Conservation	8	0	620	585	616
Parks, Recreation, Leisure and Fitness Studies	5	0	468	538	476
Personal and Culinary Services	5	0	546	432	490
Philosophy and Religious Studies	8	0	659	611	666
Physical Sciences	67	2	658	669	637
Precision Production	0	0			
Psychology	86	3	563	554	546
Public Administration and Social Services Professions	6	0	607	537	562
Security and Protective Services	32	1	514	531	514
Social Sciences	84	3	633	607	608
Theology and Religious Vocations	1	0			
Transportation and Materials Moving	1	0			
Visual and Performing Arts	263	9	574	553	557
Other	21	1	558	573	534
Undecided	182	6	639	644	618
Degree-Level Goal					
Certificate Program	10	0	476	489	466
Associate Degree	6	0	458	457	415
Bachelor's Degree	508	16	548	557	531
Master's Degree	1,056	33	593	605	579
Doctoral or Related Degree	1,251	40	620	632	607
Other	8	0	381	545	449
Undecided	326	10	598	613	587

College Plans

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

Of the 4,531 students from your state who took the SAT and/or an SAT Subject Test, 3,258 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 903 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
University of Michigan	MI	Public	1,415	43.4
Michigan State University	MI	Public	851	26.1
NMSC Scholarship Admin	IL	Scholarship	535	16.4
Harvard College	MA	Private	519	15.9
Stanford University	CA	Private	462	14.2
Northwestern University	IL	Private	449	13.8
Massachusetts Institute of Technology	MA	Private	439	13.5
Northwestern Univ - Ctr for Talent Dev Prog	IL	Scholarship	426	13.1
Cornell University	NY	Private	414	12.7
Princeton University	NJ	Private	387	11.9
Yale University	CT	Private	338	10.4
University of Pennsylvania	PA	Private	331	10.2
University of Chicago	IL	Private	322	9.9
Columbia University	NY	Private	261	8.0
Brown University	RI	Private	248	7.6
University of California: Berkeley	CA	Public	248	7.6
Carnegie Mellon University	PA	Private	239	7.3
Johns Hopkins University	MD	Private	220	6.8
Wayne State University	MI	Public	210	6.4
Duke University	NC	Private	207	6.4
Purdue University	IN	Public	206	6.3
Dartmouth College	NH	Private	199	6.1
Washington University in St. Louis	MO	Private	187	5.7
Grand Valley State University	MI	Public	187	5.7
Case Western Reserve University	OH	Private	174	5.3
New York University	NY	Private	159	4.9
Central Michigan University	MI	Public	149	4.6
Oakland University	MI	Public	147	4.5
Western Michigan University	MI	Public	143	4.4
Georgetown University	DC	Private	139	4.3
Boston University	MA	Private	132	4.1
Vanderbilt University	TN	Private	129	4.0
University of Notre Dame	IN	Private	118	3.6
California Institute of Technology	CA	Private	117	3.6
University of California: Los Angeles	CA	Public	114	3.5
Michigan Technological University	MI	Public	112	3.4
University of Southern California	CA	Private	110	3.4
Eastern Michigan University	MI	Public	106	3.3
University of Illinois at Urbana-Champaign	IL	Public	101	3.1
University of Michigan: Dearborn	MI	Public	92	2.8
Georgia Institute of Technology	GA	Public	90	2.8
Ohio State University: Columbus Campus	OH	Public	90	2.8
Kalamazoo College	MI	Private	88	2.7
Hope College	MI	Private	82	2.5
Indiana University Bloomington	IN	Public	74	2.3

*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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