

SAT[®]

2016 College-Bound Seniors

State Profile Report



OHIO

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	14,829	556	109	563	111	534	109	54.0	11.2	7.2	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	6,935	561	111	582	113	530	111	54.0	11.4	7.0	1.6
Female	7,894	552	108	546	106	537	107	54.0	11.1	7.4	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)	5,206	540	109	547	110	515	106	52.0	10.9	7.1	1.5
Junior (2014-2015)	9,394	566	109	572	111	545	109	55.2	11.2	7.2	1.5
Sophomore (2013-2014)	190	550	97	571	95	526	93	53.9	9.7	6.9	1.5
Freshman (2012-2013)	39	505	79	535	84	481	71	49.1	6.6	6.6	1.7
Total	14,829	556	109	563	111	534	109	54.0	11.2	7.2	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	630	640	610	570	590	560
50th	560	560	540	490	500	480
25th	480	490	460	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	780	764	1,544	1,120	623	1,743	467	557	1,024
600-690	1,959	2,005	3,964	2,177	1,975	4,152	1,508	1,840	3,348
500-590	2,320	2,733	5,053	2,122	2,784	4,906	2,324	2,728	5,052
400-490	1,371	1,825	3,196	1,135	1,892	3,027	1,820	2,031	3,851
300-390	409	496	905	321	550	871	709	652	1,361
200-290	96	71	167	60	70	130	107	86	193

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	10,344	71	44	56	549	559	524
Religiously Affiliated	3,306	23	55	45	564	564	549
Independent	867	6	51	49	604	616	597
Other or Unknown	312		43	57	583	542	557

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	25	0	564	107	548	109	530	115
Asian or Asian American	1,250	8	574	130	645	109	573	129
Black or African American	1,570	11	468	107	463	103	448	102
Native Hawaiian or Pacific Islander	1	0						
Hispanic, Latino, or Latin American	603	4	530	118	525	118	507	115
White	10,453	70	569	99	571	100	544	100
Two or More Races, non-Hispanic	222	1	536	100	528	115	507	99
Other	261	2	560	116	567	123	540	120
No Response	444	3	557	116	558	113	536	113
Total	14,829	100	556	109	563	111	534	109

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	10	0	618		596		560	
Asian or Asian American	587	4	583	133	664	105	574	132
Black or African American	634	4	461	109	471	110	437	104
Native Hawaiian or Pacific Islander	1	0						
Hispanic, Latino, or Latin American	292	2	537	116	544	120	508	117
White	4,947	33	573	100	590	102	539	101
Two or More Races, non-Hispanic	107	1	555	101	556	116	512	105
Other	124	1	559	126	581	134	523	130
No Response	233	2	559	124	575	117	530	123
Total	6,935	47	561	111	582	113	530	111

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	15	0	528		517		510	
Asian or Asian American	663	4	567	126	628	110	572	126
Black or African American	936	6	473	105	458	98	455	100
Native Hawaiian or Pacific Islander	0	0						
Hispanic, Latino, or Latin American	311	2	523	119	507	114	507	113
White	5,506	37	566	99	554	95	549	98
Two or More Races, non-Hispanic	115	1	519	97	501	108	501	92
Other	137	1	562	106	555	111	555	109
No Response	211	1	554	108	538	105	542	102
Total	7,894	53	552	108	546	106	537	107

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	14,829	100	556	109	563	111	534	109
First Language Learned								
English	12,832	87	558	106	559	107	534	105
English and Another	1,142	8	562	123	590	130	551	127
Another Language	719	5	519	135	604	126	522	131
No Response	136		521	125	528	113	503	124
Citizenship								
U.S. Citizen / U.S. National	14,154	96	560	107	562	110	536	108
U.S. Permanent Resident or Refugee	240	2	531	132	579	134	523	126
Citizen of Another Country	300	2	470	119	622	113	490	127
Other, Unknown, or No Response	135		472	127	542	127	474	126
Plans to Apply for Financial Aid								
Yes	9,920	76	556	107	557	109	532	106
No	927	7	570	105	585	107	553	103
Don't Know	2,262	17	560	113	578	113	541	113
No Response	1,720		547	119	564	119	530	120
Family Income								
Less than \$20,000	590	6	467	113	475	112	447	108
About \$20,000 to \$40,000	948	9	509	106	509	113	482	104
About \$40,001 to \$60,000	1,063	11	526	104	526	100	498	101
About \$60,001 to \$80,000	1,255	13	552	104	551	101	524	101
About \$80,001 to \$100,000	1,437	14	561	98	564	101	535	99
About \$100,001 to \$140,000	2,004	20	569	100	575	100	545	99
About \$140,001 to \$200,000	1,423	14	578	97	586	102	554	95
More than \$200,000	1,317	13	594	98	606	98	580	99
No Response	4,792		562	115	572	117	543	115
Highest Level of Parental Education								
No High School Diploma	181	1	436	109	463	120	425	102
High School Diploma	2,300	16	492	104	499	106	468	101
Associate Degree	1,007	7	508	100	511	99	480	93
Bachelor's Degree	5,209	37	557	98	565	101	535	98
Graduate Degree	5,424	38	598	100	602	103	577	101
No Response	708		540	128	556	123	520	128
Took the PSAT/NMSQT®								
Yes, As a Junior	3,477	30	565	105	573	108	541	104
Yes, As a Sophomore or Younger	2,445	21	557	100	564	103	535	101
Yes, As a Junior and As a Sophomore or Younger	4,429	38	598	101	603	103	580	101
No	1,424	12	500	110	511	110	475	104
No Response	3,054		512	104	517	106	487	101

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	3,328	45	45	55	624	639	605
Second Tenth	1,939	26	45	55	554	568	533
Second Fifth	1,180	16	50	50	519	527	493
Final Three Fifths	1,007	14	51	49	468	472	442
No Response	7,375		47	53	545	546	522

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)	1,897	13	41	59	628	640	611
A (93–96)	4,414	31	41	59	599	608	580
A- (90–92)	2,967	21	46	54	559	569	538
B (80–89)	4,276	30	52	48	505	506	478
C (70–79)	680	5	62	38	439	437	410
D, E, or F (below 70)	31	0	52	48	406	384	368
No Response	564		53	47	510	517	481
Mean Grade Point Average	All Students: 3.61		Male: 3.54		Female: 3.67		

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	2.4	2.7	2.6	3.88	3.95	3.92
English and Language Arts	3.9	3.9	3.9	3.52	3.70	3.62
Foreign and Classical Languages	3.2	3.3	3.2	3.47	3.66	3.58
Mathematics	4.1	4.1	4.1	3.47	3.51	3.49
Natural Sciences	3.8	3.8	3.8	3.54	3.56	3.55
Social Sciences and History	3.7	3.7	3.7	3.64	3.68	3.66
Total for All Subjects	21.1	21.5	21.3			

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

Academic Information

Course-Taking Patterns

Table 15: English, Mathematics

English and Language Arts Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	1,408	11	44	56	585	591	567
4 Years	9,339	75	46	54	570	573	545
3 Years	1,031	8	46	54	511	519	488
2 Years	205	2	46	54	504	541	494
1 Year	106	1	46	54	490	511	479
1/2 Year or Less	288	2	48	52	452	470	437
No Response	2,452		52	48	527	541	509
AP®/Honors Courses	6,693	54	41	59	601	602	581
Course Work or Experience							
English/Language Arts	12,290	98	46	54	559	563	535
Journalism	910	7	34	66	556	544	541
Creative Writing	2,186	17	39	61	557	542	536
American Literature	7,470	60	46	54	566	568	544
Composition/Writing	5,740	46	46	54	564	564	542
British Literature	3,344	27	44	56	575	569	553
World Literature	3,280	26	46	54	568	565	546
Communications	1,111	9	50	50	551	555	531
Public Speaking	3,008	24	49	51	569	568	548
English As Second Language	346	3	47	53	469	546	469

Mathematics Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	4,058	31	47	53	596	621	573
4 Years	7,329	56	46	54	556	551	532
3 Years	969	7	43	57	503	500	480
2 Years	163	1	52	48	492	521	483
1 Year	117	1	51	49	476	506	459
1/2 Year or Less	365	3	44	56	449	448	429
No Response	1,828		52	48	531	547	515
AP/Honors Courses	7,157	55	47	53	598	619	577
Highest Level of Mathematics Achieved*							
Calculus	6,336	49	51	49	604	629	583
Pre-calculus	3,808	29	41	59	535	529	510
Geometry	2,586	20	41	59	487	463	460
Algebra II	111	1	48	52	474	457	450
Algebra I	30	0	60	40	459	431	415

*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	2,184	18	46	54	599	621	579	
4 Years	7,143	58	46	54	571	573	546	
3 Years	2,246	18	45	55	524	518	501	
2 Years	279	2	52	48	512	535	494	
1 Year	143	1	51	49	500	526	486	
1/2 Year or Less	291	2	45	55	459	467	444	
No Response	2,543		51	49	528	541	510	
AP/Honors Courses	6,108	50	46	54	603	617	582	
Course Work or Experience								
Biology	12,490	98	46	54	558	563	535	
Chemistry	12,020	94	46	54	563	570	540	
Physics	9,283	73	50	50	576	588	553	
Geology, Earth, or Space Science	4,817	38	44	56	537	535	513	
Other Sciences	5,642	44	39	61	551	551	526	

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	1,338	11	45	55	598	604	578	
4 Years	7,194	59	46	54	575	576	551	
3 Years	2,848	23	45	55	535	544	511	
2 Years	389	3	49	51	518	539	502	
1 Year	150	1	51	49	496	514	484	
1/2 Year or Less	258	2	41	59	445	455	432	
No Response	2,652		52	48	529	543	510	
AP/Honors Courses	6,075	50	44	56	603	608	582	
Course Work or Experience								
U.S. History	12,192	97	46	54	560	565	536	
World History or Cultures	10,398	82	45	55	559	563	536	
U.S. Government or Civics	11,064	88	45	55	558	563	534	
Economics	5,539	44	48	52	571	579	548	
Geography	1,413	11	47	53	538	540	518	
Psychology	5,663	45	37	63	563	565	540	
European History	2,840	23	48	52	591	590	568	
Sociology	2,353	19	36	64	542	543	517	
Ancient History	1,145	9	53	47	570	570	548	
Other Courses	2,437	19	42	58	554	553	530	

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	1,566	13	40	60	610	620	594
4 Years	3,697	30	44	56	594	594	574
3 Years	4,234	35	47	53	560	568	536
2 Years	1,963	16	48	52	509	509	478
1 Year	313	3	45	55	460	460	433
1/2 Year or Less	448	4	49	51	463	474	438
No Response	2,608		52	48	529	544	510
AP/Honors Courses	3,571	29	44	56	612	621	596
Course Work or Experience							
Chinese	550	4	49	51	576	596	555
French	2,579	21	37	63	568	565	544
German	722	6	54	46	575	581	544
Greek	164	1	55	45	551	551	539
Hebrew	42	0	38	62	589	576	572
Italian	120	1	44	56	556	551	547
Japanese	92	1	39	61	568	576	533
Korean	18	0	28	72	497	559	507
Latin	1,607	13	56	44	596	593	569
Russian	54	0	44	56	542	554	528
Spanish	7,785	62	45	55	550	556	528
Other Languages	358	3	39	61	502	511	482

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	827	13	36	64	583	583	559
4 Years	1,529	23	41	59	576	574	554
3 Years	808	12	40	60	546	552	525
2 Years	1,289	20	45	55	543	547	519
1 Year	1,548	24	52	48	556	568	531
1/2 Year or Less	546	8	56	44	524	536	497
No Response	8,282		48	52	556	564	534
AP/Honors Courses	737	11	37	63	587	590	568
Course Work or Experience							
Acting or Play Production	2,601	22	34	66	586	570	561
Art History or Appreciation	1,959	16	42	58	552	547	530
Dance	1,251	10	15	85	553	545	536
Drama: Study or Appreciation	1,875	16	32	68	567	555	545
Music: Study or Appreciation	1,846	15	50	50	576	569	552
Music Performance	6,450	54	43	57	578	580	554
Photography or Film	2,695	22	35	65	552	550	532
Studio Art and Design	3,537	29	39	61	569	569	548
None	1,196	10	60	40	516	535	491

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
2,876	7,283	2,110	661	684	650

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	309	11
2	1,198	42
3	1,011	35
4 or More	358	12

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			SAT						
	N	Mean	SD	N	Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
English										
Literature	713	646	99	537	678	84	657	83	663	83
History and Social Studies										
U.S. History	953	673	93	745	673	80	678	83	661	86
World History	128	646	95	107	670	88	661	94	646	90
Mathematics										
Mathematics Level 1	744	648	101	513	637	92	664	89	630	91
Mathematics Level 2	1,908	713	81	1,435	670	84	711	66	664	81
Science										
Biology-E	284	644	92	214	654	85	666	79	646	87
Biology-M	483	685	80	379	674	79	700	75	667	81
Chemistry	1,110	686	92	824	671	85	714	66	665	82
Physics	532	679	86	401	664	89	720	65	649	85
Foreign and Classical Languages										
Chinese/Listening	16	633		13	638		655		639	
French	93	604	120	75	673	82	678	79	673	84
French/Listening	6	575		4						
German	9	601		5	698		664		684	
German/Listening	4			4						
Modern Hebrew	2									
Italian	1			1						
Japanese/Listening	8	665		6	633		685		598	
Korean/Listening	5	742		2						
Latin	89	605	113	78	641	122	649	110	636	111
Spanish	178	610	101	126	669	80	676	80	666	77
Spanish/Listening	17	664		14	637		645		660	

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	95	13	230	24	25	20
700-740	169	24	223	23	18	14
650-690	147	21	203	21	20	16
600-640	122	17	132	14	27	21
550-590	66	9	69	7	17	13
500-540	45	6	35	4	13	10
450-490	36	5	35	4	6	5
400-440	22	3	17	2	1	1
350-390	9	1	6	1	1	1
300-340	2	0	3	0		
250-290						
200-240						
Total	713		953		128	
Mean	646		673		646	
SD	99		93		95	
75th percentile	720		740		730	
50th percentile	660		690		640	
25th percentile	590		620		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	105	14	878	46	37	13	124	26	360	32	146	27
700-740	194	26	316	17	58	20	119	25	236	21	98	18
650-690	142	19	300	16	54	19	94	19	177	16	102	19
600-640	100	13	222	12	54	19	82	17	150	14	92	17
550-590	87	12	136	7	49	17	44	9	93	8	57	11
500-540	47	6	34	2	16	6	11	2	50	5	29	5
450-490	32	4	15	1	5	2	5	1	28	3	3	1
400-440	19	3	4	0	6	2	1	0	15	1	3	1
350-390	17	2	3	0	4	1	2	0	1	0	2	0
300-340	1	0			1	0	1	0				
250-290												
200-240												
Total	744		1,908		284		483		1,110		532	
Mean	648		713		644		685		686		679	
SD	101		81		92		80		92		86	
75th percentile	730		790		720		750		760		750	
50th percentile	670		730		650		700		700		680	
25th percentile	590		650		590		630		630		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	6	38	18	19	1	17	2	22	1	25		
700-740	1	6	6	6			1	11	1	25		
650-690			13	14					1	25		
600-640	3	19	10	11			3	33			2	100
550-590			14	15	1	17			1	25		
500-540	3	19	14	15	4	67						
450-490	1	6	10	11			2	22				
400-440	1	6	5	5			1	11				
350-390	1	6	3	3								
300-340												
250-290												
200-240												
Total	16		93		6		9		4		2	
Mean	633		604		575		601					
SD			120									
75th percentile			680									
50th percentile			590									
25th percentile			510									

Table 24: Foreign and Classical Languages (continued)

SAT Subject Tests	Foreign and Classical Languages											
	Italian		Japanese/Listening		Korean/Listening		Latin		Spanish		Spanish/Listening	
	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct	N	Pct
750-800	1	100	3	38	3	60	15	17	23	13	5	29
700-740			1	13			9	10	18	10	4	24
650-690			1	13	1	20	8	9	28	16	1	6
600-640			1	13	1	20	13	15	25	14	3	18
550-590							13	15	32	18	2	12
500-540			1	13			13	15	29	16		
450-490			1	13			11	12	12	7		
400-440							7	8	11	6	1	6
350-390											1	6
300-340												
250-290												
200-240												
Total	1		8		5		89		178		17	
Mean			665		742		605		610		664	
SD							113		101			
75th percentile							700		690			
50th percentile							590		600			
25th percentile							510		540			

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	86	1	536	532	510
Architecture and Related Services	146	1	554	569	525
Area, Ethnic, Cultural and Gender Studies	22	0	568	517	547
Biological and Biomedical Sciences	1,026	8	582	583	557
Business Management, Marketing, and Related Support Services	1,491	12	544	561	529
Communication, Journalism and Related Programs	289	2	548	519	534
Computer and Information Sciences and Support Services	513	4	589	609	550
Construction Trades	5	0	444	456	420
Education	517	4	527	523	508
Engineering	1,867	14	584	620	556
Engineering Technologies/Technicians	153	1	539	572	502
English Language and Literature/Letters	186	1	619	561	591
Family and Consumer Sciences/Human Sciences	17	0	498	489	492
Foreign Languages, Literatures, and Linguistics	78	1	595	562	575
Health Professions and Related Clinical Services	2,197	17	536	547	523
History	117	1	585	530	544
Legal Professions and Studies	257	2	574	558	545
Liberal Arts and Sciences, General Studies, and Humanities	80	1	595	554	561
Library Science And Administration	3	0			
Mathematics and Statistics	158	1	606	667	587
Mechanic and Repair Technologies/Technician	5	0	420	376	356
Military Technologies And Applied Sciences	55	0	524	528	478
Multi/Interdisciplinary Studies	160	1	617	626	601
Natural Resources and Conservation	69	1	602	585	575
Parks, Recreation, Leisure and Fitness Studies	66	1	484	484	470
Personal and Culinary Services	26	0	469	477	438
Philosophy and Religious Studies	25	0	630	591	593
Physical Sciences	279	2	608	622	576
Precision Production	0	0			
Psychology	504	4	552	529	526
Public Administration and Social Services Professions	39	0	564	533	528
Security and Protective Services	224	2	489	489	462
Social Sciences	315	2	613	585	590
Theology and Religious Vocations	32	0	565	530	524
Transportation and Materials Moving	1	0			
Visual and Performing Arts	886	7	557	537	533
Other	136	1	489	485	469
Undecided	858	7	590	596	569
Degree-Level Goal					
Certificate Program	33	0	441	446	409
Associate Degree	74	1	411	425	394
Bachelor's Degree	3,467	26	524	526	500
Master's Degree	4,302	33	561	568	537
Doctoral or Related Degree	3,722	28	587	593	566
Other	30	0	435	452	424
Undecided	1,554	12	572	576	547

College Plans

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

Of the 15,595 students from your state who took the SAT and/or an SAT Subject Test, 9,695 designated that their score reports be sent to institutions. Students may designate more than one institution to receive scores. This list includes only the 45 institutions that received the most score reports. A total of 1,326 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
Ohio State University: Columbus Campus	OH	Public	3,842	39.6
University of Cincinnati	OH	Public	2,280	23.5
Miami University: Oxford	OH	Public	1,982	20.4
Ohio University	OH	Public	1,418	14.6
Case Western Reserve University	OH	Private	1,171	12.1
Kent State University	OH	Public	981	10.1
University of Dayton	OH	Private	867	8.9
Bowling Green State University	OH	Public	787	8.1
University of Michigan	MI	Public	736	7.6
Northwestern University	IL	Private	688	7.1
Cornell University	NY	Private	658	6.8
University of Akron	OH	Public	637	6.6
Northwestern Univ - Ctr for Talent Dev Prog	IL	Scholarship	624	6.4
NMSC Scholarship Admin	IL	Scholarship	620	6.4
Purdue University	IN	Public	605	6.2
Harvard College	MA	Private	599	6.2
Wright State University	OH	Public	558	5.8
University of Pennsylvania	PA	Private	540	5.6
Cleveland State University	OH	Public	527	5.4
Stanford University	CA	Private	509	5.3
Carnegie Mellon University	PA	Private	507	5.2
Xavier University	OH	Private	499	5.1
University of Toledo	OH	Public	470	4.8
Massachusetts Institute of Technology	MA	Private	457	4.7
Vanderbilt University	TN	Private	444	4.6
Princeton University	NJ	Private	444	4.6
University of Chicago	IL	Private	423	4.4
Yale University	CT	Private	400	4.1
Duke University	NC	Private	391	4.0
University of Kentucky	KY	Public	377	3.9
Columbia University	NY	Private	375	3.9
Washington University in St. Louis	MO	Private	362	3.7
New York University	NY	Private	321	3.3
University of Pittsburgh	PA	Private	316	3.3
University of Notre Dame	IN	Private	310	3.2
University of California: Berkeley	CA	Public	306	3.2
Indiana University Bloomington	IN	Public	303	3.1
NCAA Eligibility Center	IN	Public	299	3.1
Georgetown University	DC	Private	295	3.0
Johns Hopkins University	MD	Private	293	3.0
Brown University	RI	Private	283	2.9
University of North Carolina at Chapel Hill	NC	Public	269	2.8
University of Virginia	VA	Public	265	2.7
Dartmouth College	NH	Private	264	2.7
Georgia Institute of Technology	GA	Public	262	2.7

*Of your students who designated that their SAT and/or SAT Subject Test score reports be sent to institutions, the 'Percent of Score Senders' indicates the percent of those students who had their scores sent to each institution listed.

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