

# SAT<sup>®</sup>

2016 College-Bound Seniors

# State Profile Report



WEST VIRGINIA

## Included in This Report

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**SAT<sup>®</sup> Data**

**SAT Subject Tests<sup>™</sup> Data**

**Demographic and Academic Information**

**College Plans**

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**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](mailto: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](http://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](http://www.collegeboard.org).

# Total Group Mean SAT Scores

## College-Bound Seniors, 1972–2016

<b>Year</b>	<b>Critical Reading</b>			<b>Mathematics</b>			<b>Writing</b>		
	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
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](http://www.collegeboard.org/cbs).

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### SAT<sup>®</sup> 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	2,077	525	97	511	102	502	96	51.0	9.9	6.9	1.4

Table 2: Mean Scores by Gender

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Male	878	527	100	531	106	494	98	50.6	10.1	6.6	1.5
Female	1,199	523	95	497	97	508	94	51.3	9.8	7.1	1.3

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)	1,270	517	94	501	98	493	95	49.9	9.7	6.9	1.5
Junior (2014-2015)	784	535	100	526	107	516	97	52.5	10.1	6.9	1.4
Sophomore (2013-2014)	22	548		556		538		55.4		6.8	
Freshman (2012-2013)	1										
Total	2,077	525	97	511	102	502	96	51.0	9.9	6.9	1.4

Table 4: Mean Scores for Total Group

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

SAT	Test-Takers Number	Critical Reading		Mathematics		Writing		Writing Subscores			
		Mean	SD	Mean	SD	Mean	SD	Multiple Choice		Essay	
								Mean	SD	Mean	SD
Total Group	1,637,589	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	590	580	560	570	590	560
50th	520	500	490	490	500	480
25th	460	440	430	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	38	49	87	65	27	92	26	41	67
600-690	189	203	392	168	165	333	108	173	281
500-590	315	468	783	298	383	681	267	423	690
400-490	255	386	641	276	457	733	346	430	776
300-390	70	84	154	65	152	217	122	128	250
200-290	11	9	20	6	15	21	9	4	13

**Table 7: Type of High School**

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	1,769	88	41	59	522	508	498
Religiously Affiliated	166	8	58	42	543	534	527
Independent	80	4	35	65	535	528	529
Other or Unknown	62		50	50	546	506	509

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	3	0						
Asian or Asian American	89	4	565	129	615	125	566	131
Black or African American	98	5	479	96	459	108	455	93
Native Hawaiian or Pacific Islander	3	0						
Hispanic, Latino, or Latin American	76	4	516	96	504	97	481	96
White	1,672	81	526	93	510	96	503	91
Two or More Races, non-Hispanic	54	3	514	93	487	111	490	96
Other	19	1	518		533		509	
No Response	63	3	517	114	500	102	490	111
Total	2,077	100	525	97	511	102	502	96

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	1	0						
Asian or Asian American	36	2	573	111	665	102	569	108
Black or African American	44	2	473	96	458	107	432	82
Native Hawaiian or Pacific Islander	0	0						
Hispanic, Latino, or Latin American	39	2	509	92	508	101	466	91
White	704	34	530	96	532	99	497	95
Two or More Races, non-Hispanic	15	1	487		496		459	
Other	6	0	448		462		422	
No Response	33	2	522	118	514	103	484	115
Total	878	42	527	100	531	106	494	98

Table 10: Female Mean Scores by Ethnicity

SAT Test-Takers Who Described Themselves As:	Test-Takers		Critical Reading		Mathematics		Writing	
	Number	Pct	Mean	SD	Mean	SD	Mean	SD
American Indian or Alaska Native	2	0						
Asian or Asian American	53	3	561	140	581	128	564	144
Black or African American	54	3	484	96	461	108	473	97
Native Hawaiian or Pacific Islander	3	0						
Hispanic, Latino, or Latin American	37	2	523	100	500	92	496	100
White	968	47	523	91	494	91	507	89
Two or More Races, non-Hispanic	39	2	525	80	484	99	501	81
Other	13	1	550		566		549	
No Response	30	1	512	108	483	98	496	106
Total	1,199	58	523	95	497	97	508	94

## 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	2,077	100	525	97	511	102	502	96
<b>First Language Learned</b>								
English	1,892	92	524	94	507	98	500	93
English and Another	109	5	527	118	550	130	523	120
Another Language	59	3	521	140	582	130	516	131
No Response	17		535		518		504	
<b>Citizenship</b>								
U.S. Citizen / U.S. National	2,011	98	525	95	509	101	502	95
U.S. Permanent Resident or Refugee	23	1	489		552		486	
Citizen of Another Country	26	1	522	139	614	136	525	130
Other, Unknown, or No Response	17		488		524		480	
<b>Plans to Apply for Financial Aid</b>								
Yes	1,542	80	525	97	508	100	501	96
No	109	6	511	90	519	101	502	94
Don't Know	274	14	537	93	531	107	515	94
No Response	152		505	101	500	108	487	100
<b>Family Income</b>								
Less than \$20,000	104	6	497	93	470	91	469	90
About \$20,000 to \$40,000	217	13	505	101	484	91	481	97
About \$40,001 to \$60,000	214	13	520	95	501	100	495	95
About \$60,001 to \$80,000	234	14	517	88	496	92	489	85
About \$80,001 to \$100,000	255	16	535	98	521	96	509	95
About \$100,001 to \$140,000	310	19	532	92	520	105	507	93
About \$140,001 to \$200,000	147	9	547	102	544	103	528	99
More than \$200,000	140	9	544	96	553	102	533	98
No Response	456		521	98	511	107	504	99
<b>Highest Level of Parental Education</b>								
No High School Diploma	23	1	447		426		432	
High School Diploma	527	26	499	87	482	89	475	83
Associate Degree	191	9	504	92	481	98	477	87
Bachelor's Degree	633	31	524	92	514	94	499	89
Graduate Degree	657	32	556	100	545	109	538	102
No Response	46		495	112	492	124	475	109
<b>Took the PSAT/NMSQT®</b>								
Yes, As a Junior	324	25	538	100	526	96	514	98
Yes, As a Sophomore or Younger	290	22	525	89	522	97	513	90
Yes, As a Junior and As a Sophomore or Younger	390	30	575	98	570	107	561	101
No	303	23	505	90	485	94	476	79
No Response	770		501	89	481	92	473	85

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	604	50	39	61	578	576	562
Second Tenth	330	28	41	59	507	491	482
Second Fifth	157	13	41	59	484	470	460
Final Three Fifths	109	9	59	41	457	439	433
No Response	877		43	57	510	491	484

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)	512	25	35	65	571	565	555
A (93–96)	661	33	37	63	541	527	519
A- (90–92)	351	17	45	55	505	490	482
B (80–89)	439	22	53	47	473	456	446
C (70–79)	56	3	73	27	437	432	415
D, E, or F (below 70)		0					
No Response	58		47	53	513	482	465
<b>Mean Grade Point Average</b>	<b>All Students: 3.79</b>		<b>Male: 3.69</b>		<b>Female: 3.87</b>		

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	2.1	2.5	2.3	3.89	3.95	3.92
English and Language Arts	3.8	3.9	3.9	3.63	3.83	3.75
Foreign and Classical Languages	2.6	2.7	2.7	3.53	3.71	3.64
Mathematics	4.1	4.1	4.1	3.50	3.59	3.55
Natural Sciences	3.9	3.9	3.9	3.57	3.65	3.61
Social Sciences and History	3.8	3.9	3.9	3.71	3.77	3.74
<b>Total for All Subjects</b>	<b>20.3</b>	<b>21.0</b>	<b>20.8</b>			

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

<b>English and Language Arts</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
	<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics
More Than 4 Years	190	10	38	62	552	535	535
4 Years	1,395	76	41	59	532	519	510
3 Years	157	9	41	59	491	478	468
2 Years	37	2	46	54	510	508	497
1 Year	16	1	50	50	463	449	444
1/2 Year or Less	32	2	59	41	439	432	403
No Response	250		50	50	497	484	471
AP <sup>®</sup> /Honors Courses	1,222	67	36	64	552	537	532
<b>Course Work or Experience</b>							
English/Language Arts	1,851	99	42	58	526	512	504
Journalism	124	7	33	67	517	500	500
Creative Writing	298	16	39	61	532	501	512
American Literature	804	43	43	57	542	526	520
Composition/Writing	619	33	44	56	529	511	508
British Literature	230	12	45	55	555	530	527
World Literature	310	17	49	51	536	514	513
Communications	139	7	37	63	518	498	504
Public Speaking	224	12	43	57	531	508	509
English As Second Language	39	2	36	64	466	496	462
<b>Mathematics</b>							
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	641	34	44	56	560	567	539
4 Years	1,041	55	41	59	517	493	494
3 Years	127	7	37	63	490	469	467
2 Years	22	1	55	45	486	477	467
1 Year	14	1	43	57	479	471	446
1/2 Year or Less	51	3	39	61	455	434	435
No Response	181		50	50	496	476	467
AP/Honors Courses	1,053	56	41	59	556	557	537
<b>Highest Level of Mathematics Achieved*</b>							
Calculus	664	35	47	53	576	591	557
Pre-calculus	434	23	44	56	518	500	498
Geometry	630	33	36	64	491	458	466
Algebra II	76	4	37	63	485	435	450
Algebra I	18	1	39	61	510	445	491

\*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

<b>Natural Sciences</b>		<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	354	20	41	59	558	564	540	
4 Years	1,130	63	41	59	528	512	505	
3 Years	217	12	40	60	507	482	488	
2 Years	42	2	38	62	510	486	491	
1 Year	25	1	36	64	496	488	468	
1/2 Year or Less	40	2	65	35	463	440	417	
No Response	269		49	51	495	479	470	
AP/Honors Courses	975	54	39	61	559	550	538	
<b>Course Work or Experience</b>								
Biology	1,854	99	41	59	526	512	504	
Chemistry	1,583	84	42	58	532	522	510	
Physics	790	42	50	50	545	547	523	
Geology, Earth, or Space Science	959	51	44	56	520	501	491	
Other Sciences	1,241	66	37	63	525	509	504	

  

<b>Social Sciences and History</b>		<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
<b>Years of Study</b>	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing	
More Than 4 Years	202	11	40	60	568	556	550	
4 Years	1,288	73	40	60	529	515	507	
3 Years	181	10	43	57	509	494	491	
2 Years	52	3	50	50	505	517	478	
1 Year	18	1	33	67	464	462	465	
1/2 Year or Less	29	2	62	38	452	451	408	
No Response	307		52	48	501	483	472	
AP/Honors Courses	1,045	59	39	61	555	544	536	
<b>Course Work or Experience</b>								
U.S. History	1,832	98	41	59	527	514	505	
World History or Cultures	1,662	89	41	59	529	515	507	
U.S. Government or Civics	1,581	85	41	59	529	513	505	
Economics	191	10	46	54	540	532	526	
Geography	420	22	45	55	540	530	521	
Psychology	664	36	33	67	543	525	524	
European History	209	11	52	48	555	539	535	
Sociology	219	12	37	63	525	510	501	
Ancient History	169	9	46	54	520	497	495	
Other Courses	413	22	39	61	510	502	486	

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	111	6	30	70	575	564	554
4 Years	297	17	39	61	564	559	550
3 Years	422	24	41	59	541	533	521
2 Years	836	47	43	57	510	494	485
1 Year	70	4	41	59	494	475	473
1/2 Year or Less	52	3	48	52	480	454	445
No Response	289		49	51	498	478	469
AP/Honors Courses	345	19	39	61	572	568	557
<b>Course Work or Experience</b>							
Chinese	32	2	47	53	552	568	528
French	309	16	36	64	535	523	516
German	52	3	50	50	553	525	512
Greek	7	0	57	43	539	477	499
Hebrew	2	0	50	50			
Italian	15	1	60	40	522	491	485
Japanese	9	0	44	56	593	536	548
Korean	3	0	33	67			
Latin	74	4	46	54	562	529	539
Russian	4	0	50	50			
Spanish	1,471	78	41	59	522	508	500
Other Languages	31	2	26	74	517	501	488

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

<b>Arts and Music</b> <b>Years of Study</b>	<b>Test-Takers</b>		<b>Percent by Gender</b>		<b>SAT Mean Scores</b>		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	125	10	33	67	544	523	516
4 Years	250	19	33	67	541	509	516
3 Years	130	10	38	62	527	510	507
2 Years	299	23	39	61	509	495	486
1 Year	393	30	47	53	519	514	496
1/2 Year or Less	97	7	47	53	508	515	492
No Response	783		46	54	526	514	505
AP/Honors Courses	135	10	25	75	564	541	536
<b>Course Work or Experience</b>							
Acting or Play Production	327	19	35	65	547	515	527
Art History or Appreciation	408	23	40	60	524	506	501
Dance	240	14	15	85	530	509	509
Drama: Study or Appreciation	278	16	31	69	529	502	513
Music: Study or Appreciation	336	19	40	60	535	508	511
Music Performance	793	45	37	63	543	522	519
Photography or Film	267	15	30	70	518	492	496
Studio Art and Design	332	19	29	71	543	522	524
None	207	12	50	50	500	503	481

## 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
182	454	146	640	654	622

  

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	14	8
2	77	42
3	80	44
4 or More	11	6

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		Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD	
<b>English</b>											
Literature	61	567	121	41	635	82	586	96	594	90	
<b>History and Social Studies</b>											
U.S. History	71	631	120	64	663	78	636	97	630	88	
World History	7	699		6	683		613		602		
<b>Mathematics</b>											
Mathematics Level 1	82	569	130	57	624	88	618	99	602	95	
Mathematics Level 2	88	681	110	77	637	94	694	86	625	90	
<b>Science</b>											
Biology-E	24	569		16	631		624		599		
Biology-M	17	611		14	657		684		655		
Chemistry	71	684	103	62	652	86	709	74	656	71	
Physics	18	668		16	631		709		609		
<b>Foreign and Classical Languages</b>											
Chinese/Listening											
French											
French/Listening											
German											
German/Listening											
Modern Hebrew											
Italian											
Japanese/Listening	1										
Korean/Listening	1			1							
Latin	5	526		3							
Spanish	7	611		7	704		634		683		
Spanish/Listening	1										

## 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	3	5	15	21	1	14
700-740	8	13	6	8	3	43
650-690	6	10	16	23	2	29
600-640	14	23	13	18	1	14
550-590	2	3	6	8		
500-540	12	20	4	6		
450-490	4	7	4	6		
400-440	5	8	2	3		
350-390	4	7	4	6		
300-340	3	5	1	1		
250-290						
200-240						
Total	61		71		7	
Mean	567		631		699	
SD	121		120			
75th percentile	650		710			
50th percentile	570		650			
25th percentile	480		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	7	9	35	40	3	13	2	12	26	37	4	22
700-740	9	11	10	11	2	8	1	6	13	18	5	28
650-690	10	12	9	10	2	8	3	18	9	13		
600-640	11	13	16	18	3	13	5	29	8	11	5	28
550-590	12	15	5	6	5	21	2	12	6	8	2	11
500-540	8	10	9	10	2	8	2	12	6	8	2	11
450-490	10	12	2	2	3	13			1	1		
400-440	5	6	1	1	1	4	2	12	1	1		
350-390	5	6			2	8			1	1		
300-340	3	4	1	1								
250-290	2	2			1	4						
200-240												
Total	82		88		24		17		71		18	
Mean	569		681		569		611		684		668	
SD	130		110						103			
75th percentile	680		790		680				760			
50th percentile	590		700		560				720			
25th percentile	470		610		470				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												
700-740												
650-690												
600-640												
550-590												
500-540												
450-490												
400-440												
350-390												
300-340												
250-290												
200-240												
Total												
Mean												
SD												
75th percentile												
50th percentile												
25th percentile												

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	1	20				
700-740									1	14		
650-690												
600-640			1	100					3	43		
550-590									3	43		
500-540							1	20				
450-490							2	40			1	100
400-440							1	20				
350-390												
300-340												
250-290												
200-240												
Total			1		1		5		7		1	
Mean							526		611			
SD												
75th percentile												
50th percentile												
25th percentile												



## 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	18	1	512	494	474
Architecture and Related Services	12	1	512	495	490
Area, Ethnic, Cultural and Gender Studies	2	0			
Biological and Biomedical Sciences	144	8	540	527	518
Business Management, Marketing, and Related Support Services	133	7	503	509	491
Communication, Journalism and Related Programs	44	2	534	483	516
Computer and Information Sciences and Support Services	67	4	544	532	496
Construction Trades	1	0			
Education	89	5	507	474	489
Engineering	192	11	549	583	521
Engineering Technologies/Technicians	16	1	516	545	477
English Language and Literature/Letters	31	2	571	514	552
Family and Consumer Sciences/Human Sciences	2	0			
Foreign Languages, Literatures, and Linguistics	12	1	533	492	518
Health Professions and Related Clinical Services	457	26	511	503	495
History	18	1	582	507	521
Legal Professions and Studies	51	3	545	520	522
Liberal Arts and Sciences, General Studies, and Humanities	14	1	526	474	485
Library Science And Administration	0	0			
Mathematics and Statistics	16	1	610	678	603
Mechanic and Repair Technologies/Technician	2	0			
Military Technologies And Applied Sciences	4	0			
Multi/Interdisciplinary Studies	13	1	645	614	599
Natural Resources and Conservation	12	1	516	453	473
Parks, Recreation, Leisure and Fitness Studies	14	1	434	439	421
Personal and Culinary Services	2	0			
Philosophy and Religious Studies	5	0	586	516	526
Physical Sciences	39	2	583	583	552
Precision Production	0	0			
Psychology	77	4	526	497	506
Public Administration and Social Services Professions	5	0	414	384	390
Security and Protective Services	35	2	461	449	428
Social Sciences	41	2	575	522	556
Theology and Religious Vocations	3	0			
Transportation and Materials Moving	0	0			
Visual and Performing Arts	112	6	546	502	512
Other	20	1	526	486	504
Undecided	73	4	563	546	547
<b>Degree-Level Goal</b>					
Certificate Program	8	0	446	425	414
Associate Degree	14	1	441	455	425
Bachelor's Degree	510	26	497	478	471
Master's Degree	594	31	519	505	496
Doctoral or Related Degree	671	35	555	549	537
Other	2	0			
Undecided	134	7	537	508	502

## College Plans

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

Of the 2,113 students from your state who took the SAT and/or an SAT Subject Test, 1,314 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 596 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
West Virginia University	WV	Public	660	50.2
Marshall University	WV	Public	338	25.7
Shepherd University	WV	Public	190	14.5
Fairmont State University	WV	Public	145	11.0
Concord University	WV	Public	105	8.0
West Virginia Wesleyan College	WV	Private	93	7.1
NMSC Scholarship Admin	IL	Scholarship	78	5.9
NCAA Eligibility Center	IN	Public	72	5.5
West Liberty University	WV	Public	69	5.3
Ohio State University: Columbus Campus	OH	Public	69	5.3
University of Kentucky	KY	Public	63	4.8
Duke University	NC	Private	55	4.2
University of Virginia	VA	Public	54	4.1
Harvard College	MA	Private	54	4.1
West Virginia State University	WV	Public	53	4.0
Penn State University Park	PA	Public	53	4.0
Virginia Tech	VA	Public	53	4.0
University of Pittsburgh	PA	Private	52	4.0
University of North Carolina at Chapel Hill	NC	Public	49	3.7
Princeton University	NJ	Private	49	3.7
Yale University	CT	Private	44	3.3
Carnegie Mellon University	PA	Private	42	3.2
Stanford University	CA	Private	41	3.1
Alderson-Broaddus University	WV	Private	39	3.0
University of Charleston	WV	Private	38	2.9
Davis and Elkins College	WV	Private	37	2.8
Vanderbilt University	TN	Private	37	2.8
University of Pennsylvania	PA	Private	37	2.8
Glennville State College	WV	Public	36	2.7
West Virginia Higher Education Grant Program	WV	Scholarship	36	2.7
Massachusetts Institute of Technology	MA	Private	36	2.7
Georgetown University	DC	Private	35	2.7
Wheeling Jesuit University	WV	Private	34	2.6
Cornell University	NY	Private	34	2.6
Columbia University	NY	Private	31	2.4
Johns Hopkins University	MD	Private	30	2.3
Liberty University	VA	Private	28	2.1
Potomac State College of West Virginia University	WV	Public	27	2.1
University of Chicago	IL	Private	27	2.1
Washington and Lee University	VA	Private	26	2.0
New York University	NY	Private	26	2.0
West Virginia University Institute of Technology	WV	Public	26	2.0
George Mason University	VA	Public	26	2.0
Brown University	RI	Private	25	1.9
University of Maryland: College Park	MD	Public	24	1.8

\*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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866-392-3019  
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Mailing address:  
P.O. Box 71101  
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### The College Board International

250 Vesey Street  
New York, NY 10281  
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646-417-7350 (Fax)

### Washington Office

1919 M Street NW, Suite 300  
Washington, DC 20036-2375  
202-741-4700  
202-741-4743 (Fax)

### Florida Office

1545 Raymond Diehl Road, Suite 250  
Tallahassee, FL 32308-1500  
850-521-4900  
850-521-4921 (Fax)