

SAT[®]

2016 College-Bound Seniors

State Profile Report



MONTANA

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	1,141	565	98	557	96	539	100	54.1	10.4	7.4	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	510	570	99	577	97	531	105	53.7	10.6	7.2	1.6
Female	631	561	97	542	92	545	95	54.5	10.2	7.6	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)	695	561	99	551	94	532	99	53.4	10.4	7.4	1.5
Junior (2014-2015)	437	571	96	567	98	550	101	55.3	10.3	7.5	1.4
Sophomore (2013-2014)	8	633		576		513		52.0		7.0	
Freshman (2012-2013)	1										
Total	1,141	565	98	557	96	539	100	54.1	10.4	7.4	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	620	600	570	590	560
50th	570	560	540	490	500	480
25th	490	490	470	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	54	53	107	50	28	78	26	33	59
600-690	159	184	343	172	142	314	110	159	269
500-590	184	221	405	185	277	462	190	253	443
400-490	90	152	242	85	148	233	136	151	287
300-390	20	18	38	14	34	48	39	33	72
200-290	3	3	6	4	2	6	9	2	11

Table 7: Type of High School

SAT	Test-Takers		Percent by Gender		Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
Public	878	81	42	58	565	564	537
Religiously Affiliated	100	9	50	50	549	532	529
Independent	110	10	62	38	583	551	564
Other or Unknown	53		40	60	569	512	525

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	8	1	474		443		420	
Asian or Asian American	28	2	528	137	559	107	506	131
Black or African American	6	1	450		438		442	
Native Hawaiian or Pacific Islander	1	0						
Hispanic, Latino, or Latin American	40	4	531	116	519	103	501	100
White	943	83	568	94	561	92	542	97
Two or More Races, non-Hispanic	33	3	573	89	574	91	528	82
Other	3	0						
No Response	79	7	580	97	539	111	559	100
Total	1,141	100	565	98	557	96	539	100

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	6	1	455		468		397	
Asian or Asian American	14	1	472		561		451	
Black or African American	5	0	486		480		480	
Native Hawaiian or Pacific Islander	0	0						
Hispanic, Latino, or Latin American	14	1	542		529		490	
White	409	36	575	92	585	92	536	101
Two or More Races, non-Hispanic	20	2	590		588		543	
Other	1	0						
No Response	41	4	582	112	541	127	543	114
Total	510	45	570	99	577	97	531	105

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	14	1	584		556		562	
Black or African American	1	0						
Native Hawaiian or Pacific Islander	1	0						
Hispanic, Latino, or Latin American	26	2	524	115	513	106	507	102
White	534	47	562	96	544	88	546	94
Two or More Races, non-Hispanic	13	1	548		554		505	
Other	2	0						
No Response	38	3	578	79	537	91	577	79
Total	631	55	561	97	542	92	545	95

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	1,141	100	565	98	557	96	539	100
First Language Learned								
English	1,019	94	568	95	560	94	540	98
English and Another	37	3	550	127	524	96	523	122
Another Language	28	3	471	125	531	122	456	124
No Response	57		579	94	546	109	562	90
Citizenship								
U.S. Citizen / U.S. National	1,098	98	568	96	558	94	540	98
U.S. Permanent Resident or Refugee	3	0						
Citizen of Another Country	16	1	415		555		406	
Other, Unknown, or No Response	24		565		543		555	
Plans to Apply for Financial Aid								
Yes	776	77	570	97	563	94	541	99
No	68	7	552	97	547	91	527	101
Don't Know	158	16	562	98	556	88	532	101
No Response	139		552	103	531	110	536	105
Family Income								
Less than \$20,000	31	4	531	104	537	98	494	102
About \$20,000 to \$40,000	80	10	543	99	533	95	515	94
About \$40,001 to \$60,000	117	14	547	91	547	88	522	95
About \$60,001 to \$80,000	162	20	563	95	556	93	538	100
About \$80,001 to \$100,000	140	17	559	91	555	94	527	90
About \$100,001 to \$140,000	155	19	578	94	575	89	556	99
About \$140,001 to \$200,000	70	9	574	86	559	86	541	88
More than \$200,000	63	8	577	96	577	103	555	105
No Response	323		574	105	558	102	548	105
Highest Level of Parental Education								
No High School Diploma	6	1	417		483		385	
High School Diploma	190	18	527	97	527	92	497	95
Associate Degree	78	7	538	93	535	96	498	88
Bachelor's Degree	434	41	563	92	558	87	539	93
Graduate Degree	344	33	598	94	587	95	573	98
No Response	89		564	100	528	105	540	105
Took the PSAT/NMSQT®								
Yes, As a Junior	320	46	580	97	576	91	560	95
Yes, As a Sophomore or Younger	96	14	564	98	554	98	535	93
Yes, As a Junior and As a Sophomore or Younger	177	25	606	87	595	89	582	91
No	103	15	545	106	537	97	510	116
No Response	445		544	94	534	94	514	95

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	385	52	39	61	609	609	583
Second Tenth	200	27	47	53	548	545	528
Second Fifth	93	13	41	59	528	537	501
Final Three Fifths	63	9	62	38	509	494	458
No Response	400		47	53	549	528	523

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)	122	11	31	69	628	625	609
A (93–96)	359	33	41	59	598	594	572
A- (90–92)	250	23	40	60	557	549	530
B (80–89)	304	28	51	49	521	507	491
C (70–79)	37	3	73	27	471	485	437
D, E, or F (below 70)	1	0	100	0			
No Response	68		60	40	562	536	538
Mean Grade Point Average	All Students: 3.65		Male: 3.54		Female: 3.72		

Table 14: Average Years of Study in Six Academic Subjects

SAT	Average Years of Study			Grade Point Average: Each Subject		
	Male	Female	Total	Male	Female	Total
Arts and Music	2.5	2.8	2.7	3.89	3.98	3.94
English and Language Arts	3.9	3.9	3.9	3.56	3.81	3.70
Foreign and Classical Languages	2.5	2.8	2.7	3.56	3.78	3.69
Mathematics	3.9	3.9	3.9	3.43	3.51	3.47
Natural Sciences	3.6	3.7	3.7	3.58	3.64	3.61
Social Sciences and History	3.4	3.4	3.4	3.62	3.80	3.72
Total for All Subjects	19.8	20.5	20.3			

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	84	9	39	61	578	580	556
4 Years	775	82	43	57	574	566	546
3 Years	42	4	64	36	524	532	493
2 Years	19	2	53	47	507	520	483
1 Year	8	1	63	38	559	538	521
1/2 Year or Less	17	2	41	59	485	487	465
No Response	196		50	50	548	529	525
AP@/Honors Courses	482	51	38	62	602	592	576
Course Work or Experience							
English/Language Arts	953	97	44	56	567	560	540
Journalism	91	9	44	56	572	545	549
Creative Writing	218	22	40	60	575	552	543
American Literature	478	49	47	53	573	561	542
Composition/Writing	482	49	45	55	567	556	538
British Literature	142	15	46	54	575	542	535
World Literature	248	25	48	52	566	555	540
Communications	83	8	48	52	543	541	512
Public Speaking	182	19	46	54	572	556	541
English As Second Language	19	2	58	42	465	565	458

Mathematics Years of Study	Test-Takers		Percent by Gender		SAT Mean Scores		
	Number	Pct	Male	Female	Critical Reading	Mathematics	Writing
More Than 4 Years	172	17	49	51	595	612	573
4 Years	631	64	42	58	573	565	545
3 Years	137	14	44	56	529	507	503
2 Years	20	2	55	45	510	502	464
1 Year	7	1	43	57	490	526	487
1/2 Year or Less	21	2	33	67	484	476	462
No Response	153		51	49	553	527	527
AP/Honors Courses	475	48	43	57	602	609	580
Highest Level of Mathematics Achieved*							
Calculus	450	45	48	52	602	613	575
Pre-calculus	278	28	42	58	550	544	523
Geometry	269	27	36	64	523	490	496
Algebra II	4	0	75	25			
Algebra I	5	0	60	40	534	482	512

*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	115	12	40	60	594	599	564	
4 Years	498	53	43	57	581	574	555	
3 Years	248	26	43	57	553	540	523	
2 Years	51	5	43	57	509	508	486	
1 Year	14	1	57	43	504	502	461	
1/2 Year or Less	13	1	54	46	504	515	478	
No Response	202		52	48	547	533	525	
AP/Honors Courses	335	36	41	59	604	602	578	
Course Work or Experience								
Biology	972	98	44	56	567	560	539	
Chemistry	851	86	43	57	572	566	545	
Physics	502	51	51	49	589	588	557	
Geology, Earth, or Space Science	609	61	44	56	568	561	540	
Other Sciences	452	45	37	63	559	547	531	

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	56	6	39	61	583	569	550	
4 Years	399	43	44	56	580	563	551	
3 Years	390	42	42	58	570	569	546	
2 Years	62	7	48	52	525	539	495	
1 Year	14	1	64	36	519	551	491	
1/2 Year or Less	16	2	50	50	486	516	477	
No Response	204		50	50	544	529	519	
AP/Honors Courses	359	38	42	58	604	597	581	
Course Work or Experience								
U.S. History	955	97	43	57	567	560	539	
World History or Cultures	729	74	45	55	567	557	538	
U.S. Government or Civics	886	90	43	57	569	563	541	
Economics	183	19	55	45	569	552	536	
Geography	292	30	42	58	562	553	533	
Psychology	273	28	32	68	578	567	555	
European History	205	21	46	54	598	579	570	
Sociology	77	8	35	65	578	567	549	
Ancient History	123	12	54	46	576	556	544	
Other Courses	237	24	39	61	571	562	544	

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	48	5	38	63	610	607	601
4 Years	241	26	34	66	601	587	581
3 Years	189	20	43	57	575	568	545
2 Years	335	36	47	53	550	548	521
1 Year	59	6	53	47	532	525	492
1/2 Year or Less	58	6	57	43	523	533	502
No Response	211		51	49	550	533	523
AP/Honors Courses	108	12	25	75	612	607	598
Course Work or Experience							
Chinese	23	2	65	35	580	589	557
French	201	21	29	71	585	566	557
German	102	11	53	47	593	584	563
Greek	5	1	60	40	552	566	522
Hebrew		0					
Italian	4	0	50	50			
Japanese	6	1	67	33	537	533	500
Korean	1	0	100	0			
Latin	46	5	48	52	635	598	601
Russian	6	1	83	17	585	598	535
Spanish	650	68	44	56	561	558	536
Other Languages	25	3	40	60	594	568	558

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	74	12	46	54	585	579	555
4 Years	169	27	37	63	579	564	548
3 Years	95	15	43	57	576	551	534
2 Years	109	17	43	57	553	551	530
1 Year	146	23	47	53	567	567	543
1/2 Year or Less	39	6	69	31	530	534	486
No Response	509		45	55	561	553	539
AP/Honors Courses	50	8	22	78	580	565	553
Course Work or Experience							
Acting or Play Production	255	27	39	61	589	563	560
Art History or Appreciation	154	16	34	66	577	556	549
Dance	97	10	13	87	568	539	551
Drama: Study or Appreciation	142	15	36	64	586	555	558
Music: Study or Appreciation	128	13	41	59	590	558	560
Music Performance	585	62	41	59	579	567	551
Photography or Film	184	19	38	62	556	550	533
Studio Art and Design	223	23	35	65	575	557	545
None	92	10	57	43	528	541	500

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
143	332	92	672	662	645

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	20	14
2	69	48
3	46	32
4 or More	8	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			SAT						
	N	Mean	SD	N	Critical Reading Mean	SD	Mathematics Mean	SD	Writing Mean	SD
English										
Literature	46	632	103	29	699	62	667	52	658	60
History and Social Studies										
U.S. History	43	631	95	26	670	88	653	80	630	81
World History	9	653		5	738		706		674	
Mathematics										
Mathematics Level 1	43	621	99	28	662	93	665	54	628	75
Mathematics Level 2	86	667	87	56	674	77	680	54	651	76
Science										
Biology-E	19	631		13	678		641		649	
Biology-M	28	680	77	20	674		671		651	
Chemistry	34	634	75	24	658		665		635	
Physics	13	623		6	675		710		655	
Foreign and Classical Languages										
Chinese/Listening										
French	1			1						
French/Listening	1			1						
German	1			1						
German/Listening										
Modern Hebrew										
Italian										
Japanese/Listening										
Korean/Listening										
Latin										
Spanish	7	593		6	665		632		663	
Spanish/Listening	1			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	7	15	5	12	2	22
700-740	6	13	8	19	2	22
650-690	11	24	7	16	1	11
600-640	11	24	8	19	1	11
550-590	2	4	6	14	2	22
500-540	3	7	4	9		
450-490	3	7	3	7	1	11
400-440	1	2	2	5		
350-390	2	4				
300-340						
250-290						
200-240						
Total	46		43		9	
Mean	632		631		653	
SD	103		95			
75th percentile	700		710			
50th percentile	650		640			
25th percentile	570		560			

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	3	7	20	23			4	14	2	6	1	8
700-740	9	21	13	15	5	26	8	29	5	15	2	15
650-690	6	14	20	23	4	21	10	36	11	32	1	8
600-640	11	26	16	19	4	21	3	11	6	18	4	31
550-590	8	19	10	12	3	16	1	4	6	18	2	15
500-540	1	2	5	6	3	16	1	4	2	6	2	15
450-490	1	2	1	1			1	4	2	6	1	8
400-440	2	5	1	1								
350-390	2	5										
300-340												
250-290												
200-240												
Total	43		86		19		28		34		13	
Mean	621		667		631		680		634		623	
SD	99		87				77		75			
75th percentile	700		730				730		680			
50th percentile	620		660				690		650			
25th percentile	560		610				650		580			

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					1	100						
650-690												
600-640												
550-590												
500-540												
450-490			1	100			1	100				
400-440												
350-390												
300-340												
250-290												
200-240												
Total			1		1		1					
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	14		
700-740									1	14		
650-690									1	14		
600-640									1	14		
550-590									1	14		
500-540									1	14		
450-490											1	100
400-440												
350-390									1	14		
300-340												
250-290												
200-240												
Total									7		1	
Mean									593			
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	13	1	489	515	498
Architecture and Related Services	17	2	545	562	502
Area, Ethnic, Cultural and Gender Studies	0	0			
Biological and Biomedical Sciences	64	7	582	578	553
Business Management, Marketing, and Related Support Services	79	8	544	559	517
Communication, Journalism and Related Programs	16	2	590	539	549
Computer and Information Sciences and Support Services	26	3	590	615	537
Construction Trades	2	0			
Education	41	4	535	535	523
Engineering	144	15	586	603	545
Engineering Technologies/Technicians	5	1	608	592	566
English Language and Literature/Letters	17	2	645	591	612
Family and Consumer Sciences/Human Sciences	2	0			
Foreign Languages, Literatures, and Linguistics	13	1	630	582	619
Health Professions and Related Clinical Services	187	19	538	536	517
History	5	1	544	534	498
Legal Professions and Studies	31	3	594	552	560
Liberal Arts and Sciences, General Studies, and Humanities	5	1	664	600	656
Library Science And Administration	2	0			
Mathematics and Statistics	9	1	639	678	616
Mechanic and Repair Technologies/Technician	5	1	546	530	492
Military Technologies And Applied Sciences	8	1	598	573	541
Multi/Interdisciplinary Studies	13	1	629	625	627
Natural Resources and Conservation	19	2	574	545	565
Parks, Recreation, Leisure and Fitness Studies	7	1	514	510	473
Personal and Culinary Services	1	0			
Philosophy and Religious Studies	2	0			
Physical Sciences	21	2	626	626	605
Precision Production	0	0			
Psychology	34	4	560	537	534
Public Administration and Social Services Professions	1	0			
Security and Protective Services	13	1	486	518	472
Social Sciences	35	4	604	564	574
Theology and Religious Vocations	1	0			
Transportation and Materials Moving	1	0			
Visual and Performing Arts	51	5	563	530	541
Other	7	1	527	489	494
Undecided	65	7	596	582	572
Degree-Level Goal					
Certificate Program	4	0			
Associate Degree	9	1	501	481	468
Bachelor's Degree	258	26	535	535	505
Master's Degree	318	32	571	563	542
Doctoral or Related Degree	261	26	590	579	567
Other	3	0			
Undecided	155	15	578	573	551

College Plans

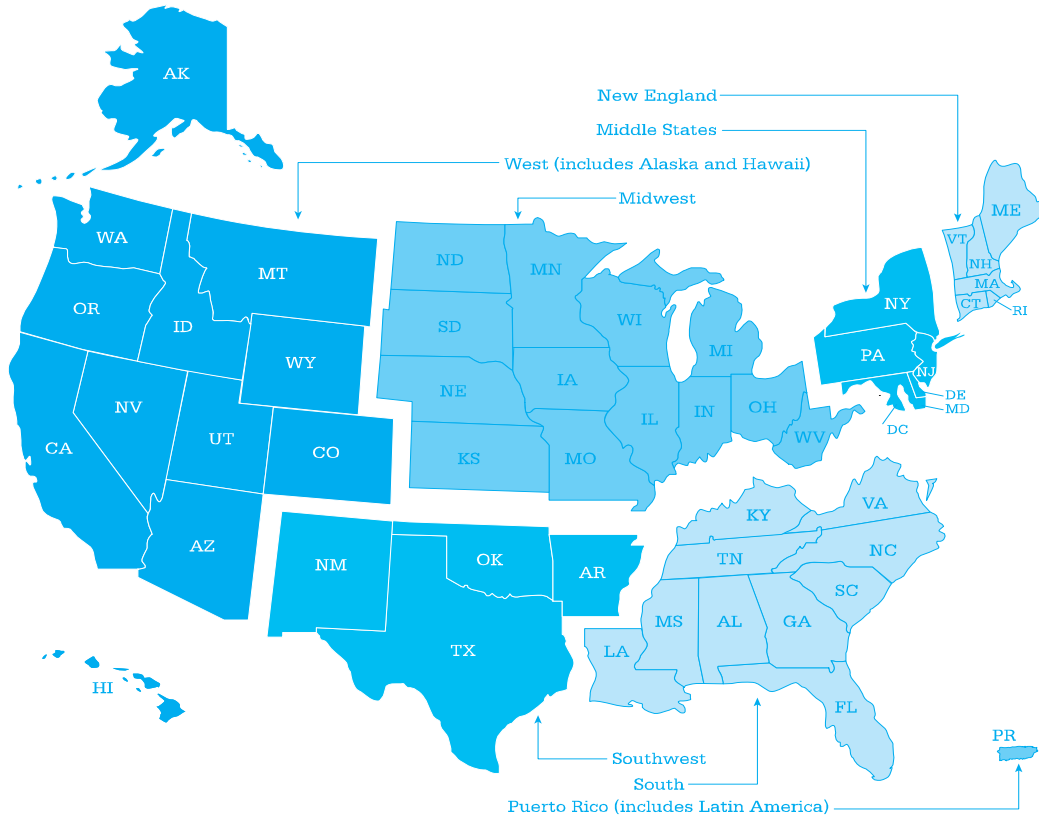
Table 26: Institutions That Received the Most SAT Program Score Reports from Your Students

Of the 1,192 students from your state who took the SAT and/or an SAT Subject Test, 803 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 517 institutions received score reports from your students.

Institution	State	Type	Number of Students	Percent of Score Senders*
Montana State University	MT	Public	431	53.7
University of Montana	MT	Public	238	29.6
Carroll College	MT	Private	92	11.5
Stanford University	CA	Private	75	9.3
University of Washington	WA	Public	58	7.2
Gonzaga University	WA	Private	50	6.2
NMSC Scholarship Admin	IL	Scholarship	50	6.2
Montana Tech of the University of Montana	MT	Public	46	5.7
Harvard College	MA	Private	38	4.7
Montana Agate	MT	Scholarship	37	4.6
Washington State University	WA	Public	37	4.6
University of Portland	OR	Private	37	4.6
University of Colorado Boulder	CO	Public	35	4.4
Cornell University	NY	Private	33	4.1
University of Oregon	OR	Public	32	4.0
University of Denver	CO	Private	29	3.6
Western Washington University	WA	Public	29	3.6
Lewis & Clark College	OR	Private	27	3.4
NCAA Eligibility Center	IN	Public	27	3.4
Colorado State University	CO	Public	26	3.2
Dartmouth College	NH	Private	26	3.2
Massachusetts Institute of Technology	MA	Private	25	3.1
Whitworth University	WA	Private	25	3.1
Yale University	CT	Private	24	3.0
Boise State University	ID	Public	23	2.9
Brigham Young University	UT	Private	22	2.7
Montana State University: Billings	MT	Public	22	2.7
Seattle University	WA	Private	22	2.7
University of Idaho	ID	Public	22	2.7
University of Puget Sound	WA	Private	22	2.7
University of Chicago	IL	Private	21	2.6
University of California: Berkeley	CA	Public	21	2.6
Vanderbilt University	TN	Private	20	2.5
Oregon State University	OR	Public	19	2.4
Brown University	RI	Private	18	2.2
Colorado College	CO	Private	18	2.2
Arizona State University	AZ	Public	18	2.2
University of Montana: Western	MT	Public	18	2.2
University of Southern California	CA	Private	17	2.1
Flathead Valley Community College	MT	Public	17	2.1
Whitman College	WA	Private	17	2.1
Princeton University	NJ	Private	16	2.0
Utah State University	UT	Public	15	1.9
University of Utah	UT	Public	15	1.9
Columbia University	NY	Private	15	1.9

*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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