

SAT Trends
Florida and the Nation

August 2008

Florida Department of Education
Accountability, Research & Measurement

**For more information, contact:
Research and Evaluation
Department of Education
E-mail: Martha.Miller@FLDOE.ORG
(850) 245-0429**

Summary - SAT Trends Florida and the Nation¹

Overall Trends in Scores and Number of Test Takers (Pages 1-3)

- Florida students graduating in 2008 scored an average of 993 on the SAT, the same score as the last two years.² Florida's critical reading score went down one point while the math score went up one point.
- The combined score for the U.S. was 1017, the same score as 2007. Both the reading and the math scores were the same as last year.
- Florida's writing score was down two points while the writing score for the nation was the same as last year..
- Florida continues to have a significantly larger percentage of graduates taking the SAT than is true nationwide. This makes comparisons of Florida scores with scores of the nation problematic, since typically, the larger the percentage of students taking a test, the lower the average scores are likely to be.
- The number of Florida test takers increased by one percent, up from 97,366 in 2007 to 98,578 in 2008. The represents 60% of all graduates, about the same as last year.
- Nationwide, the number of test takers as a percentage of the graduates was 45%, 15 percentage points lower than Florida.

Profile of the 2008 Test Takers Compared to Prior Years

- The profile of Florida continues to look less like that of the nation. This can be seen in such trends as the percentage of minority test takers, average family income, and the percentage of first-generation of college attendees. (See pages 3, 11, 15, 22.)
- The percentage of Florida test takers from minority racial-ethnic groups has been increasing steadily. In 1988 minority test takers represented about one fourth of the test takers (24%); in 2008, minority test takers represented 47%. (See page 16.)
- Nationwide, the percentage of minority test takers has also been increasing but at a slower rate than in Florida. In 1988, minorities represented 23% of the test takers nationwide, about the same as in Florida. By 2008 the percentage had increased to 40%, with Asians, whose scores are typically well above average, representing 11% of the total, compared to 4.5% for Florida. (See page 3.)

¹All SAT information in the text, tables, and graphs of this report was derived from data provided by The College Board. Copyright © 2008 by The College Board. All rights reserved. www.collegeboard.com.

²All references to the total SAT score in this report refer to the critical reading score + the math score.

Uses of the SAT in Florida

SAT is a college entrance examination taken voluntarily by the students at times and test sites set by the testing company. Examples of ways in which SAT scores (or, alternatively, concordant ACT scores) are used in Florida include the following:

- For admissions to a state university, along with high school grade point average (GPA) and other factors. Eligibility is determined by a sliding scale, depending on the student's GPA. For instance, a student with a GPA of 2.9 or higher can meet the eligibility requirement with an SAT combined score (math + reading) of 970 while a student with a GPA of 2.0 needs an SAT score of 1140.
- For meeting qualifications for the Bright Futures Scholarship Program. For instance, a Florida Academic Scholars Award requires an SAT score of 1270, while a Florida Medallion Scholars Award requires a score of 970.
- For placement into regular college courses. Students who present an SAT critical reading score of 440 and a mathematics score of 440 may be exempted from taking the Florida College Entry-Level Placement Test. The Florida College Entry-Level Placement Test is used to place students either in regular college courses or college preparatory courses.
- For admissions to a state university under the Talented 20 Program. In order to be eligible for the Talented 20 Program, a student must take either the SAT or the ACT.
- As an alternative to satisfy FCAT requirements for high school graduation. Since 2003, high school students who have failed to achieve the required minimum score on the tenth grade FCAT, after three attempts, have the option of substituting a minimum score of 410 on the SAT reading or a 370 on the SAT math sections (or concordant scores on the ACT) for FCAT. Students who have failed FCAT and attempt to use this option, whether or not they achieve the minimum SAT score, are likely to impact the state SAT mean score by lowering it.

Course-taking Patterns of SAT Test Takers (Pages 6-8)

- The more rigorous courses students have taken in high school, the higher SAT scores are likely to be. For example, Florida students who have taken calculus have an average SAT math score of 601, compared to 447 for those students whose highest math course was Algebra II. (See page 6)
- In science, test takers who have taken or will have taken physics have an average SAT total score of 1064. The average score for all test takers who have taken chemistry is 1043. By contrast, those who have taken chemistry but have not taken physics average 975. More than half of the test takers report they will have taken four years or more of science by the time they graduate. (See page 7.)³

³The relationship between courses taken and test scores may indicate that students who have a high aptitude for math tend both to make high math scores and to take higher level math courses. With respect to physics and calculus, at the time the students took the examination many of them were probably just beginning the course or, if they took the exam as juniors, were planning to take the course their senior year. For these students, exposure to the content of these courses could not have affected their SAT score.

- Compared to Florida, a smaller percentage of SAT test takers nationwide have taken AP or other honors courses, yet their SAT scores are higher. Approximately one half of Florida's SAT test takers report they have taken an honors course, compared to one third of SAT test takers nationwide. On average, SAT test takers nationwide who have taken honors courses score approximately 50 points higher than do Florida students who have taken honors courses. (See page 8.)

Relationship between Scores, Family Income, and Parental Education (Pages 10-12)

- Results on the SAT demonstrate that the higher the average family income, the higher the average scores are likely to be. (See page 10.)
- Results on the SAT also demonstrate that the higher the level of parental education, the higher the average score is likely to be.⁴ (See page 11.)
- Through 1998 the percentages of Florida test takers who represented the first generation of college attendees were on a par with those of the nation. During the last ten years the percentage of Florida test takers whose parents had not graduated from college has overtaken the percentage for the nation as a whole. (See page 11.)
- SAT scores by the level of parental education statistics show a similar pattern for Florida and the U.S. Florida test takers whose parents have not gone beyond high school score about the same as U.S. students in this category, while scores for U.S. test takers whose parents have received graduate degrees do slightly better than their Florida counterparts. (See page 12.)

SAT Scores by Racial-Ethnic Groups (Pages 14-20)

- The profile of Florida students taking the SAT has changed drastically over the 30 years covered in this report. During that time the percentage of white non-Hispanic test takers decreased from 86% to 53%, while the percentage of African American test takers increased from 9% to 15% and the percentage of Hispanic test takers increased from 4% to 24%. (See page 16.)
- Based on the students who provided information on race-ethnicity, the number of Hispanic 2008 test takers increased by 7% over the prior year, African Americans by 5%, and Asian test takers and white non-Hispanic test takers by 1%. (See page 18.)
- SAT scores for Hispanics are significantly higher for Florida than those for the nation—currently a 37-point spread. Scores for African-American test takers in Florida have been about the same as African-Americans nationwide, while scores for white non-Hispanics are now 19 points lower than those for the nation. (See pages 14-15.)
- Test takers are asked on the SAT Questionnaire to indicate their first language learned. The choices are: English, English and Another Language, or Another Language. Among Hispanic Florida SAT test takers, the percentage of those who indicated Another Language has been decreasing slowly, from

⁴*Parental education* is defined as the highest level of education achieved by either the father or mother, whichever was higher.

44% in 1996 to 36% in 2008. However, because of the continued increase in the number of Hispanic students in Florida, the number of test takers who indicated Another Language has increased by 141%. (See page 18.)

- There is a close relationship between scores and the first language learned. Average scores for Hispanics ranged from 992 for those for whom English was their first language to 940 for those whose first language was English and another language, and 939 for those whose first language was other than English. (See page 19.)
- Average family incomes are significantly different for the three racial-ethnic groups. (See page 19.) The families of African-American and Hispanic test takers are more likely to have an average income of less than \$40,000 while families of white non-Hispanic test takers are more likely to have an income of \$60,000 or more. As shown on Page 10, the higher the income, the higher the score is likely to be.

Scores Trends by Gender (Pages 22-25)

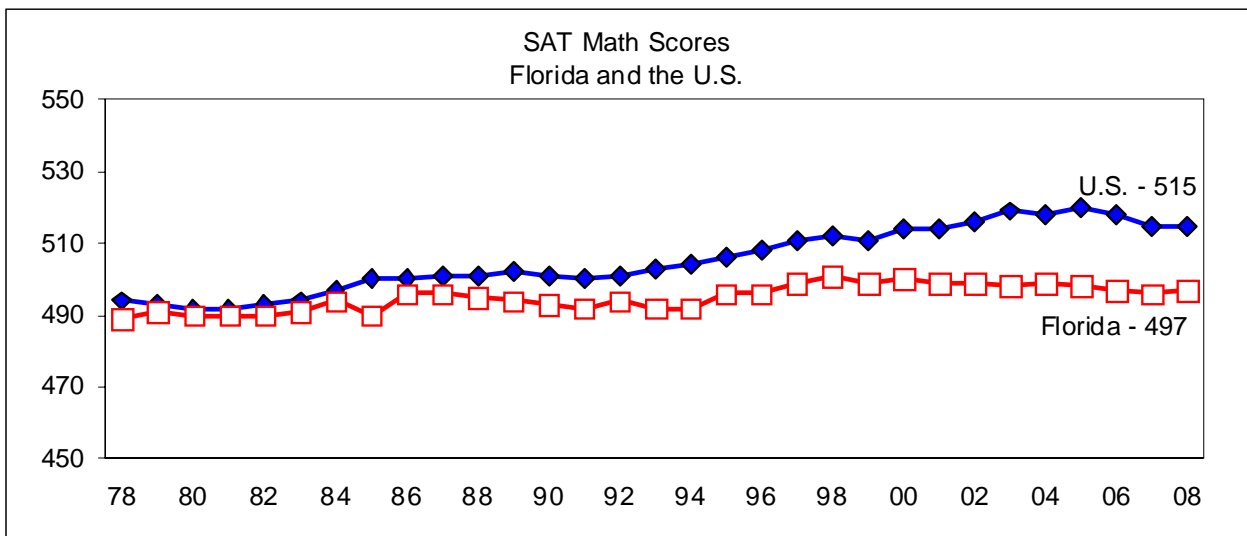
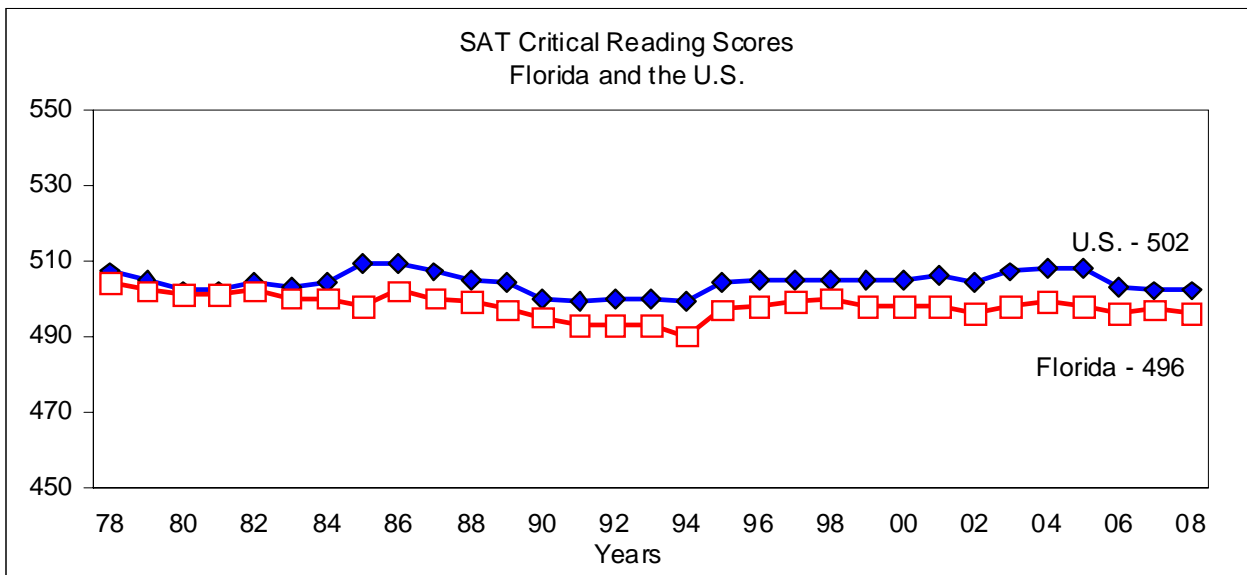
- More women than men take the SAT. Florida's proportion of women test takers is even larger than that of the U.S.--a 54.6 to 45.4 ratio for Florida, compared to a 53.6 to 46.4 ratio for the U.S. Although the difference may seem small, it is consistent. Since women's math scores are significantly lower than men's, this difference in profile between Florida and the U.S. points to one more reason why U.S. average scores are higher than those for Florida. (See page 22.)
- Reading scores for Florida females increased by one point in 2008, from 495 to 496, while reading scores for males (497) did not change. Florida SAT reading scores for females have historically trailed reading scores for males.
- Math scores for Florida's males have consistently been from 30-39 points higher than those for females. Nationwide, the scores for males are also higher than those for females on both sections. Like Florida, the gap is much wider in math. (See pages 22-24.)
- Among various racial-ethnic groups, 52% of the Asian test takers, 54% of white non-Hispanic test takers, 57% of the Hispanic test takers, and 58% of the African-American test takers are female. Because of the wide gender gap in math, the larger the percentage of test takers who are women, the lower the combined score is likely to be. (See page 21.)
- The gender score gap, particularly in math, exists for all racial-ethnic groups. The gap is smallest for African Americans, where males scored 14 points higher than females in math but 12 points lower than females in reading. African-American females scored 117 points lower on the combined score than the state average for females, while African-American males scored 152 points lower than the state average for males.
- Some of the gender gap may be linked to the fact that a larger proportion of females take the SAT. Data on family income, parental education, and percentage of minority test takers all suggest that the female SAT test takers represent a different population of test takers than do the males who take the SAT. (See for instance Page 22.)

SUMMARY OF RESULTS ON THE SAT
FLORIDA COLLEGE-BOUND SENIORS

	2006				2007				2008			
	Reading	Math	Total R+M	Writing	Reading	Math	Total R+M	Writing	Reading	Math	Total R+M	Writing
Florida	496	497	993	480	497	496	993	479	496	497	993	481
Nation	503	518	1021	497	502	515	1017	494	502	515	1017	494

Florida: Total score (reading + math) was the same as last year; reading went down one point, math went up one point, and writing went up two points. 60% of the graduates took the exam, about the same as in 2007; 47% of the test takers were from minority racial-ethnic groups.

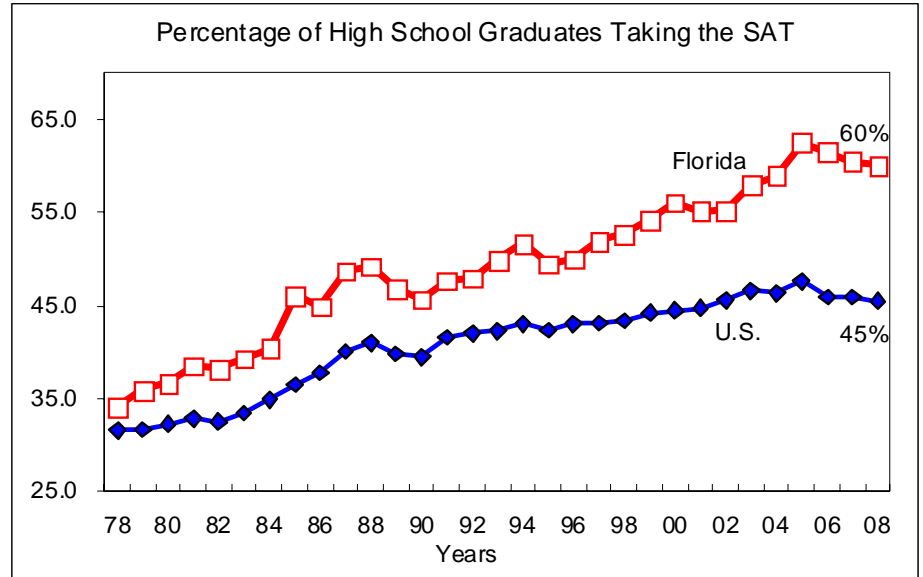
Nation: Reading, math, writing, and the total scores are remained the same as 2007. 45% of the graduates took the exam; 40% of the test takers were from minority racial-ethnic groups.



SAT Trends - Florida

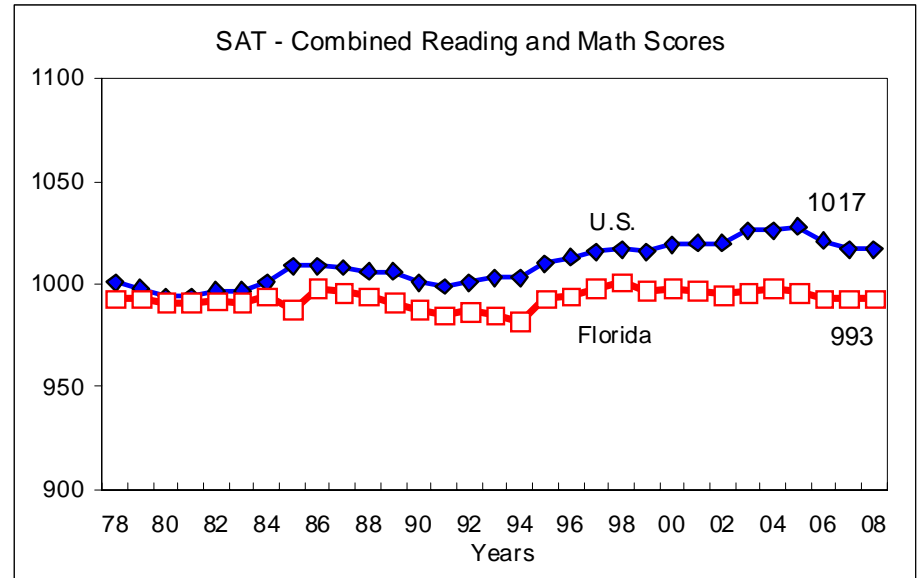
Grad Year	Number of Test Takers	High School Graduates*	% of Grads	Reading Score	Math Score	Combined Score	Writing Score
1978	34,728	101,800	34.1	504	489	993	
1980	35,824	97,600	36.7	501	490	991	
1983	37,304	95,000	39.3	500	491	991	
1986	40,624	90,550	44.9	502	496	998	
1989	47,274	100,850	46.9	497	494	991	
1992	48,570	101,350	47.9	493	494	987	
1995	50,470	101,997	49.5	497	496	993	
1998	58,040	110,160	52.7	500	501	1001	
2001	69,363	125,801	55.1	498	499	997	
2004	87,290	148,132	58.9	499	499	998	
2005	93,505	149,544	62.5	498	498	996	
2006	94,601	153,830	61.5	496	497	993	480
2007	97,366	160,930	60.5	497	496	993	479
2008	98,578	164,170	60.0	496	497	993	481

*The numbers of graduates include all public high school diploma recipients (including special diplomas) and nonpublic high school graduates.



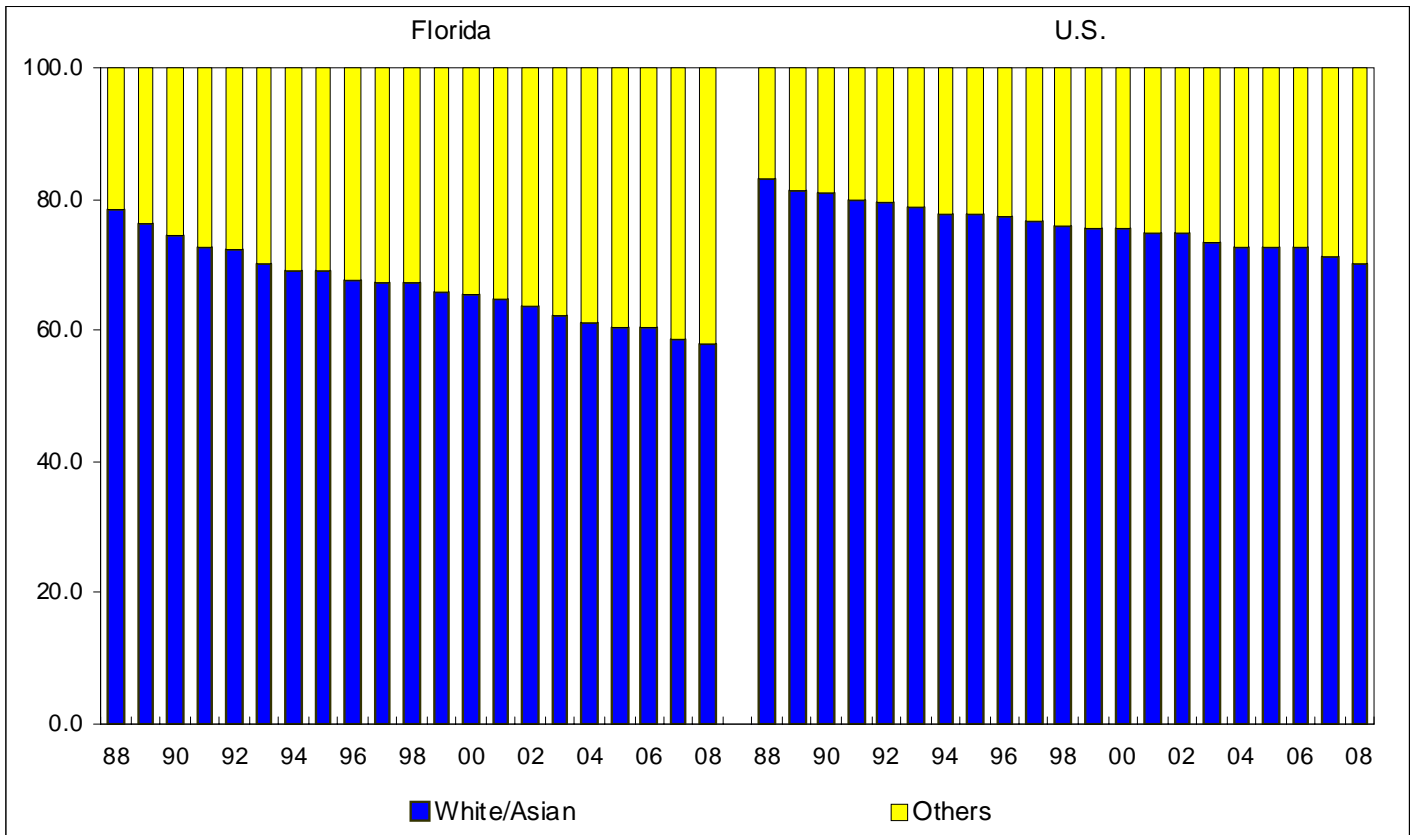
SAT Trends - United States

Grad Year	Number of Test Takers	High School Graduates	% of Grads	Reading Score	Math Score	Combined Score	Writing Score
1978	989,307	3,134,000	31.6	507	494	1001	
1980	988,750	3,063,000	32.3	502	492	994	
1983	962,877	2,876,494	33.5	503	494	997	
1986	1,000,747	2,650,442	37.7	509	500	1009	
1989	1,088,223	2,732,584	39.8	504	502	1006	
1992	1,034,213	2,461,249	41.8	500	501	1001	
1995	1,067,993	2,520,125	42.4	504	506	1010	
1998	1,172,779	2,705,110	43.4	505	512	1017	
2001	1,276,320	2,850,006	44.8	506	514	1020	
2004	1,419,007	3,058,145	46.4	508	518	1026	
2005	1,475,623	3,096,834	47.6	508	520	1028	
2006	1,465,744	3,189,538	46.0	503	518	1021	497
2007	1,494,531	3,254,432	45.9	502	515	1017	494
2008	1,518,859	3,340,235	45.4	502	515	1017	494



Profile of SAT Test Takers - Florida and the Nation
Percentage by Race-Ethnicity

	Florida										U.S.									
	1988	1991	1994	1997	2000	2003	2006	2007	2008	1988	1991	1994	1997	2000	2003	2006	2007	2008		
White	75.7	68.6	64.4	62.4	60.7	57.7	55.8	54.1	53.3	77.0	72.0	69.4	67.9	66.4	63.8	62.1	60.9	59.8		
Asian	2.9	4.2	4.6	4.7	4.7	4.4	4.5	4.5	4.5	6.1	8.0	8.5	8.8	9.0	9.6	10.4	10.3	10.5		
Afri.-Amer.	9.7	12.7	13.3	13.5	14.4	15.3	14.1	14.3	14.6	9.2	10.5	10.8	10.8	11.2	12.0	11.3	11.7	12.1		
Hispanic	9.4	12.3	15.1	15.9	16.3	17.9	20.8	22.8	23.7	5.2	6.9	8.2	8.4	9.1	10.2	11.4	12.4	13.2		
Other	2.3	2.2	2.6	3.5	3.9	4.7	4.8	4.3	4.0	2.5	2.6	3.1	4.1	4.3	4.4	4.8	4.7	4.3		



This page intentionally left blank.

Course-taking Patterns

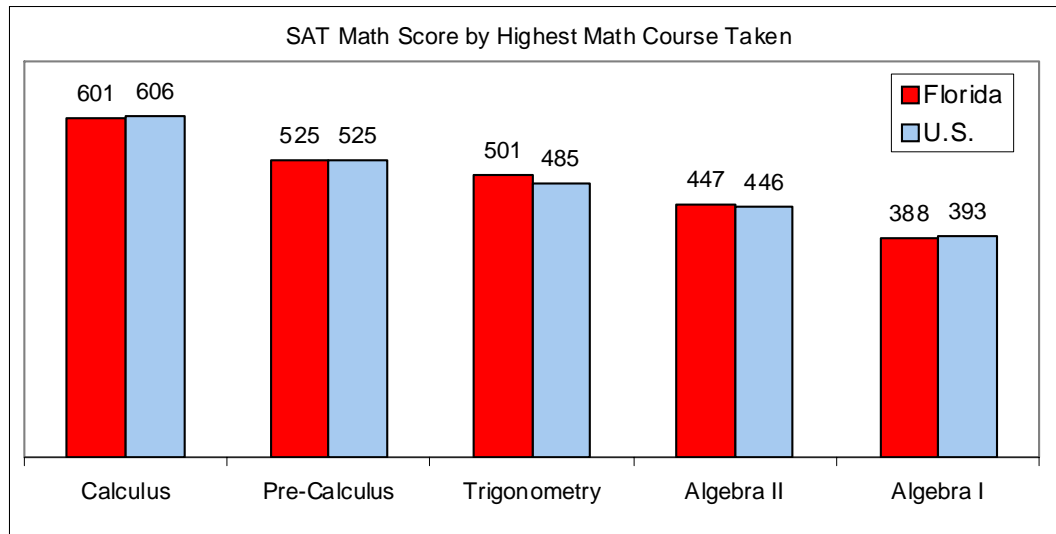
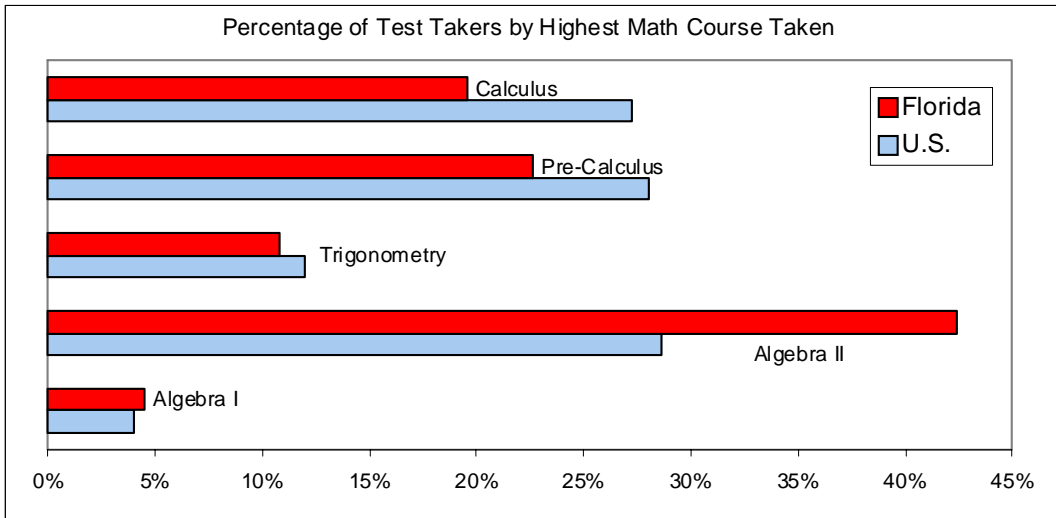
SAT Test Takers

SAT Math Score by Highest Math Course Taken

	Florida			Nation			Difference**	
	Number	%	Score	Number	%	Score	Number	Score
Calculus	15,791	19.6	601	318,428	27.3	606	-7.7	-5.0
Pre-Calculus	18,274	22.6	525	327,612	28.1	525	-5.4	0.0
Trigonometry	8,743	10.8	501	139,663	12.0	485	-1.1	16.0
Algebra II	34,221	42.4	447	334,192	28.6	446	13.8	1.0
Algebra I	3,659	4.5	388	46,681	4.0	393	0.5	-5.0
Total Responding*	80,688	100.0	498	1,166,576	100.0	515		-17.0
Total	98,578	100.0	497	1,518,859	100.0	515		-18.0

*Total test takers supplying information on the number of courses taken.

**Negative values: Florida is lower than the U.S.

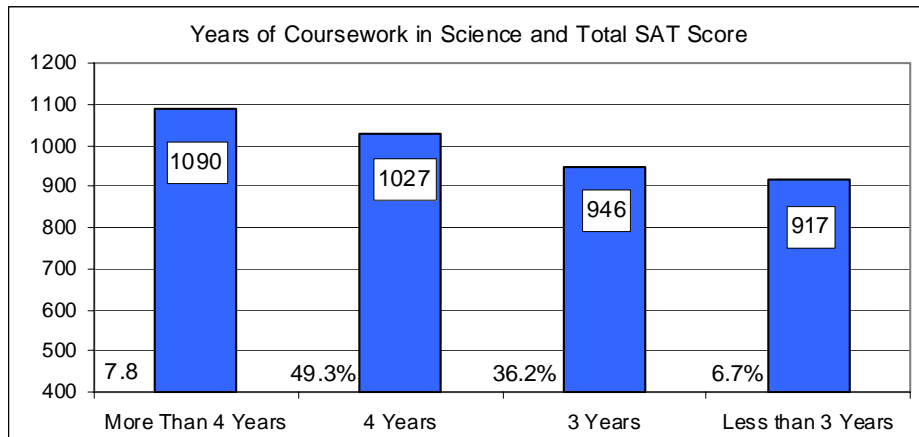
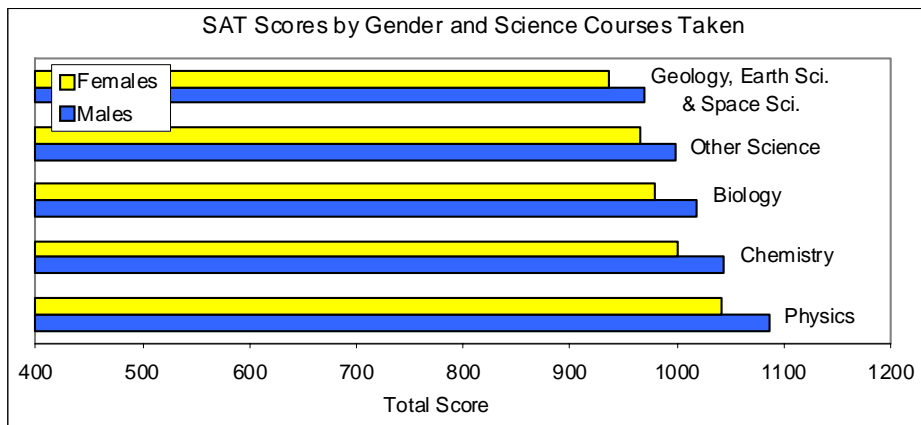


Percentages of Test Takers and SAT Score by Science Courses Taken - Florida

	Males				Females				Total			
	Total Number	%	Aver. SAT Total	Aver. Years Sci.	Total Number	%	Aver. SAT Total	Aver. Years Sci.	**Number	%	Aver. SAT Total	Aver. Years Sci.
Physics	15,462	44.5	1087	4.1	15,714	35.2	1042	4.1	31,194	39.2	1064	4.1
Chemistry	29,172	83.9	1043	3.7	37,716	84.5	1000	3.7	66,939	84.2	1018	3.7
Biology	33,648	96.7	1019	3.7	43,414	97.2	980	3.6	77,114	97.0	997	3.6
Other Science	15,349	44.1	998	3.9	23,415	52.4	966	3.9	38,783	48.8	978	3.9
Geology, Earth Science & Space Science	18,450	53.0	969	3.8	22,309	50.0	937	3.8	40,785	51.3	952	3.8
Total Responded*	34,779	100.0	1018	3.6	44,655	100.0	978	3.6	79,493	100.0	995	3.6

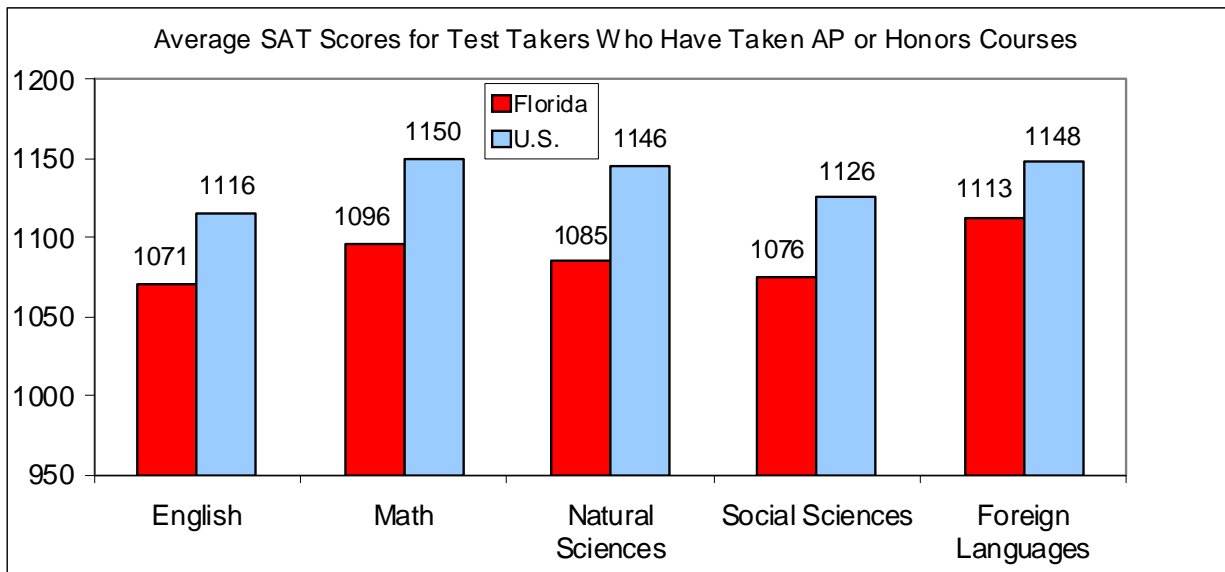
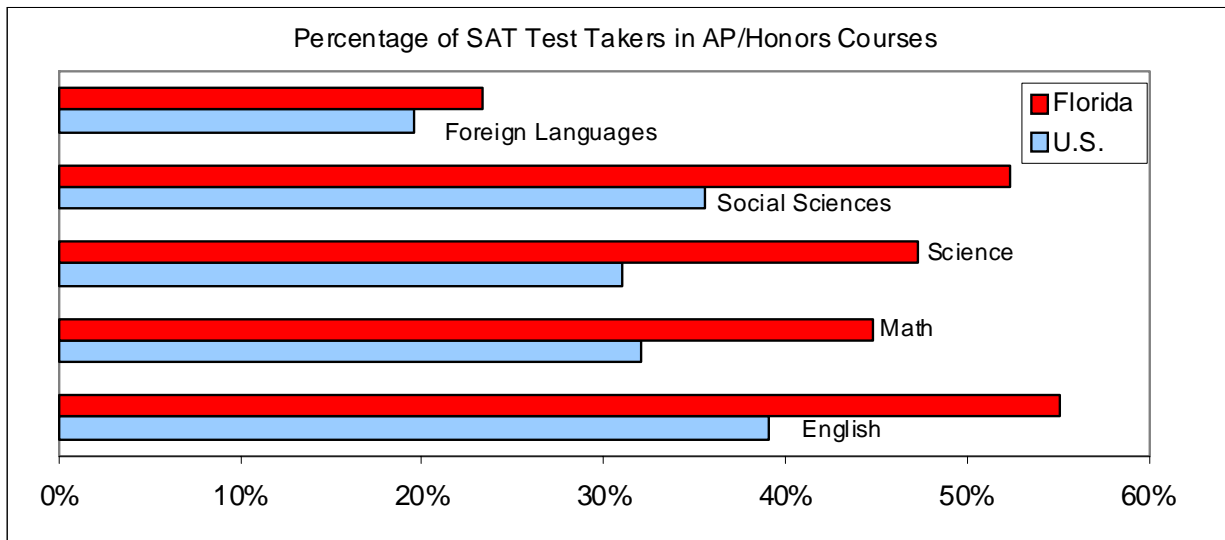
*Based on test takers who supplied information on the science courses they had taken..

**Includes test takers who did not indicate their gender.



Percentage of SAT Test Takers in AP/Honors Courses

	Florida			U.S.				
	%	Reading	Math	Total	%	Reading	Math	Total
English	55%	537	534	1071	39%	557	559	1116
Math	45%	541	555	1096	32%	560	590	1150
Natural Sciences	47%	540	545	1085	31%	564	582	1146
Social Sciences	52%	538	538	1076	36%	560	566	1126
Foreign Languages	23%	555	558	1113	20%	569	579	1148

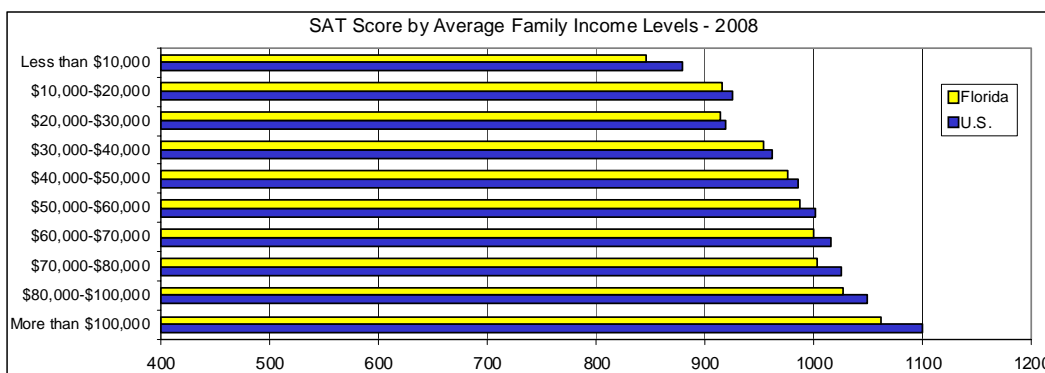


SAT Scores

By Income Level and Level of Parental Education

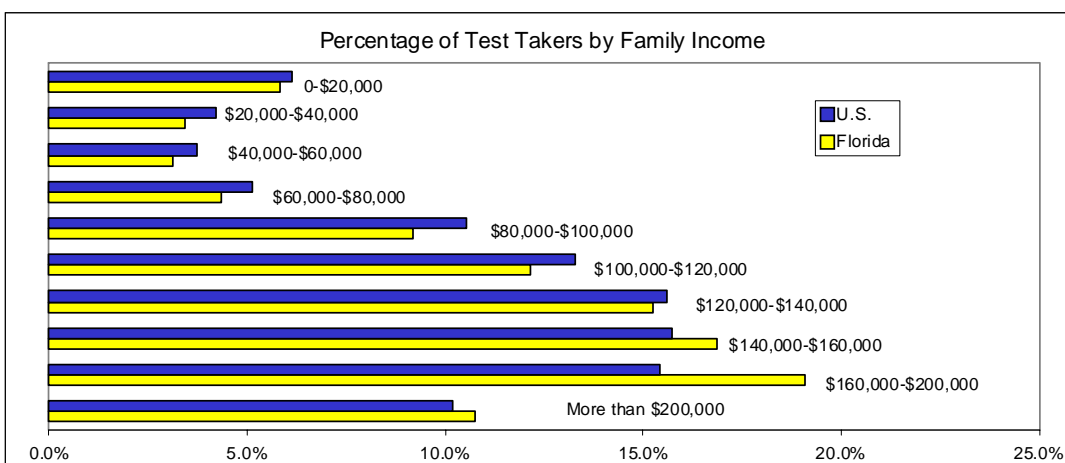
SAT Scores by Income Levels - 2008

Income Level	Florida			The Nation		
	Reading	Math	Total	Reading	Math	Total
0-\$20,000	438	437	875	434	456	890
\$20,000-\$40,000	467	464	931	462	473	935
\$40,000-\$60,000	489	487	976	488	496	984
\$60,000-\$80,000	501	503	1004	502	510	1012
\$80,000-\$100,000	510	517	1027	514	525	1039
\$100,000-\$120,000	518	525	1043	522	534	1056
\$120,000-\$140,000	518	526	1044	526	537	1063
\$140,000-\$160,000	523	533	1056	533	546	1079
\$160,000-\$200,000	523	534	1057	535	548	1083
More than \$200,000	538	549	1087	554	570	1124



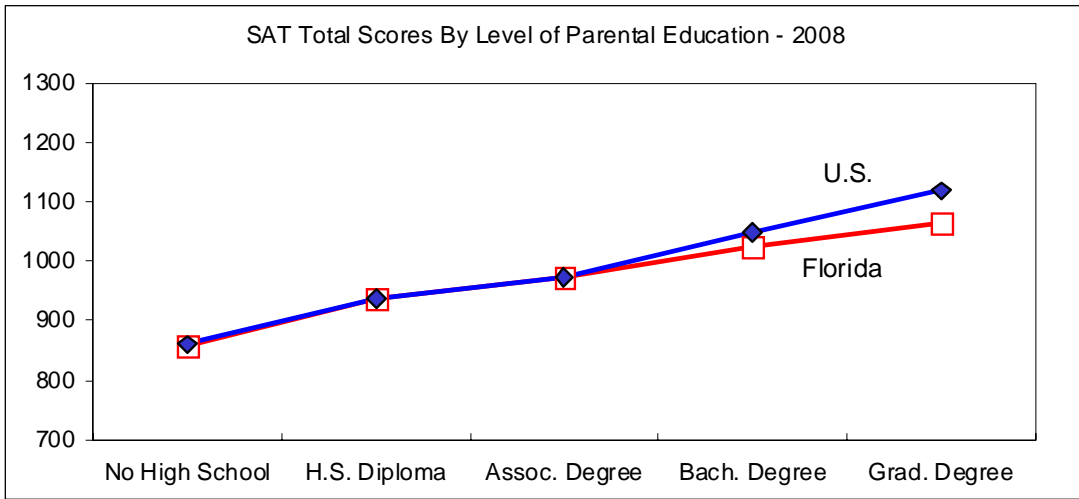
Percentage of Test Takers
By Average Family Income Level

Income Level	Florida	U.S.
0-\$20,000	5.8%	6.1%
\$20,000-\$40,000	3.4%	4.2%
\$40,000-\$60,000	3.1%	3.7%
\$60,000-\$80,000	4.3%	5.1%
\$80,000-\$100,000	9.2%	10.5%
\$100,000-\$120,000	12.2%	13.3%
\$120,000-\$140,000	15.3%	15.6%
\$140,000-\$160,000	16.9%	15.7%
\$160,000-\$200,000	19.1%	15.4%
More than \$200,000	10.7%	10.2%
	100.0%	100.0%



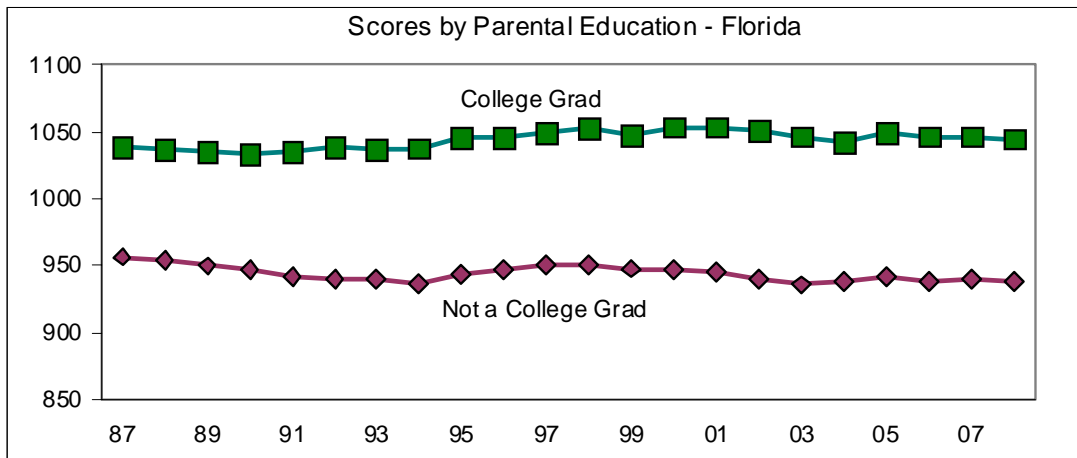
SAT Scores By Level of Parental Education - 2008

	Florida			U.S.		
	Reading	Math	Total	Reading	Math	Total
No High School	428	430	858	419	441	860
H.S. Diploma	469	469	938	464	474	938
Assoc. Degree	486	486	972	482	490	972
Bach. Degree	509	514	1023	518	531	1049
Grad. Degree	531	534	1065	553	565	1118



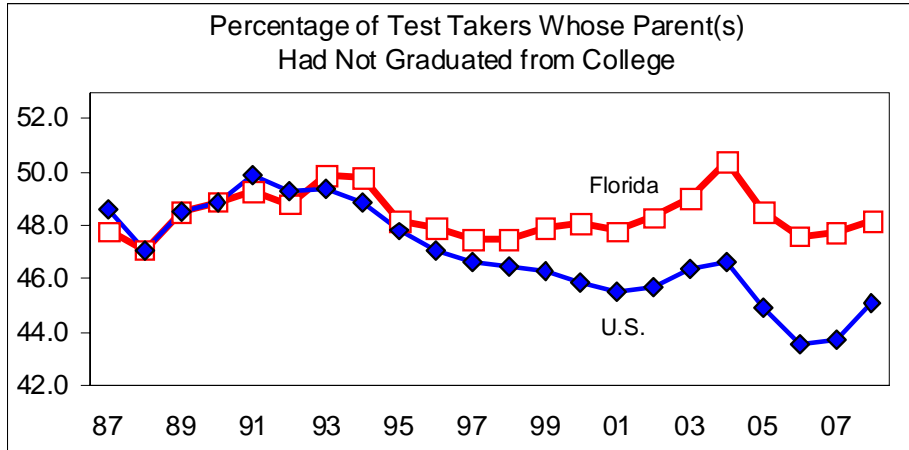
Trends in Scores by Level of Parental Education - Florida

	1987	1990	1993	1996	1999	2002	2005	2007	2008
Did Not Graduate from College	957	947	941	947	948	941	942	941	938
Graduated from College	1039	1034	1037	1046	1048	1051	1050	1045	1045



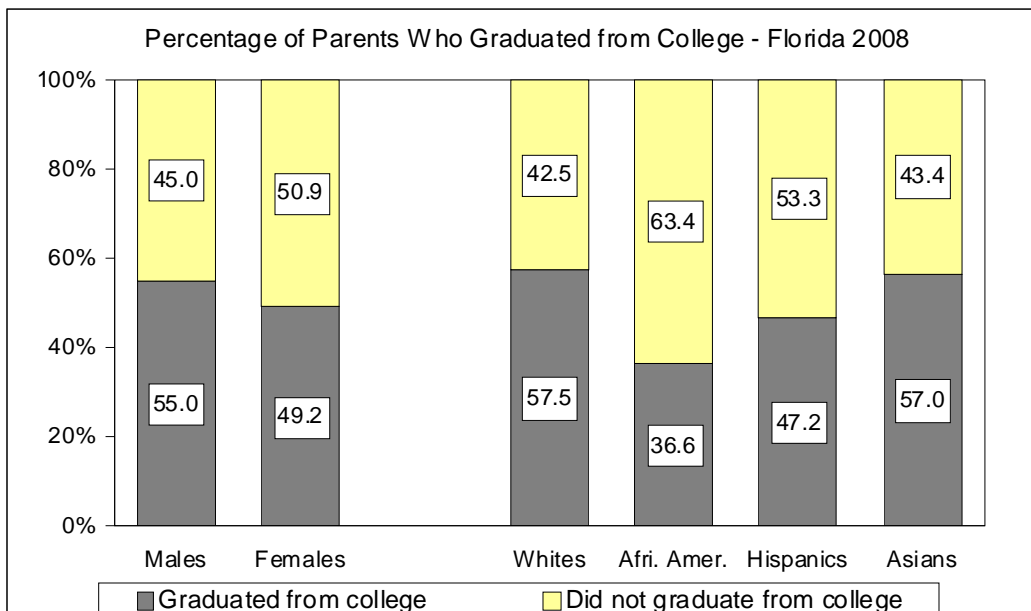
**Percentage of Test Takers Whose Parent(s)
Had Not Graduated from College - Florida and the U.S.**

	1987	1990	1993	1996	1999	2002	2005	2007	2008
Florida	47.8	48.9	49.9	47.9	47.9	48.3	48.5	47.7	48.2
U.S.	48.6	48.9	49.4	47.1	47.7	45.7	44.9	43.6	45.1

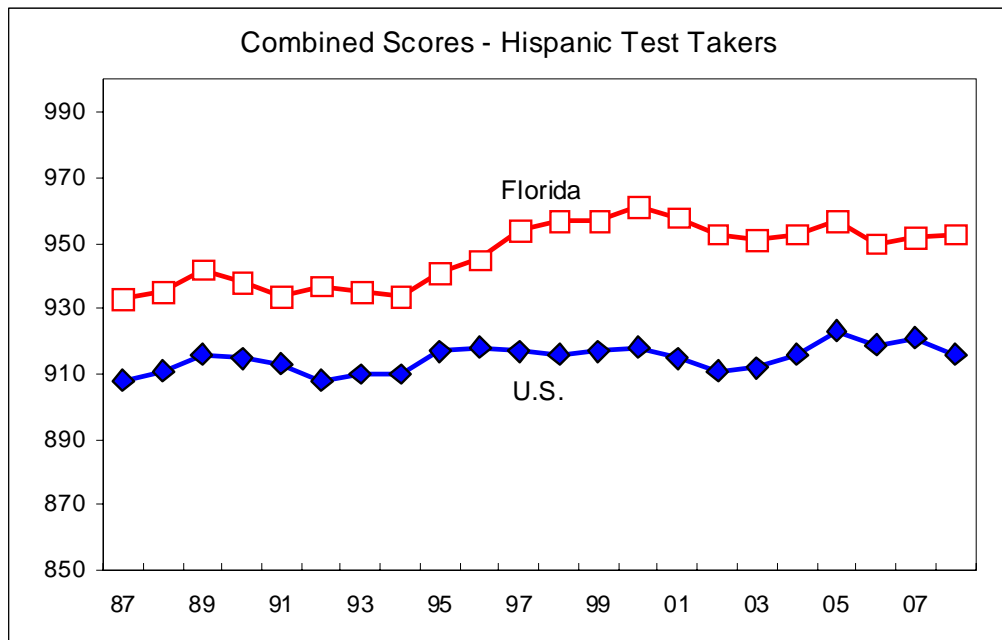
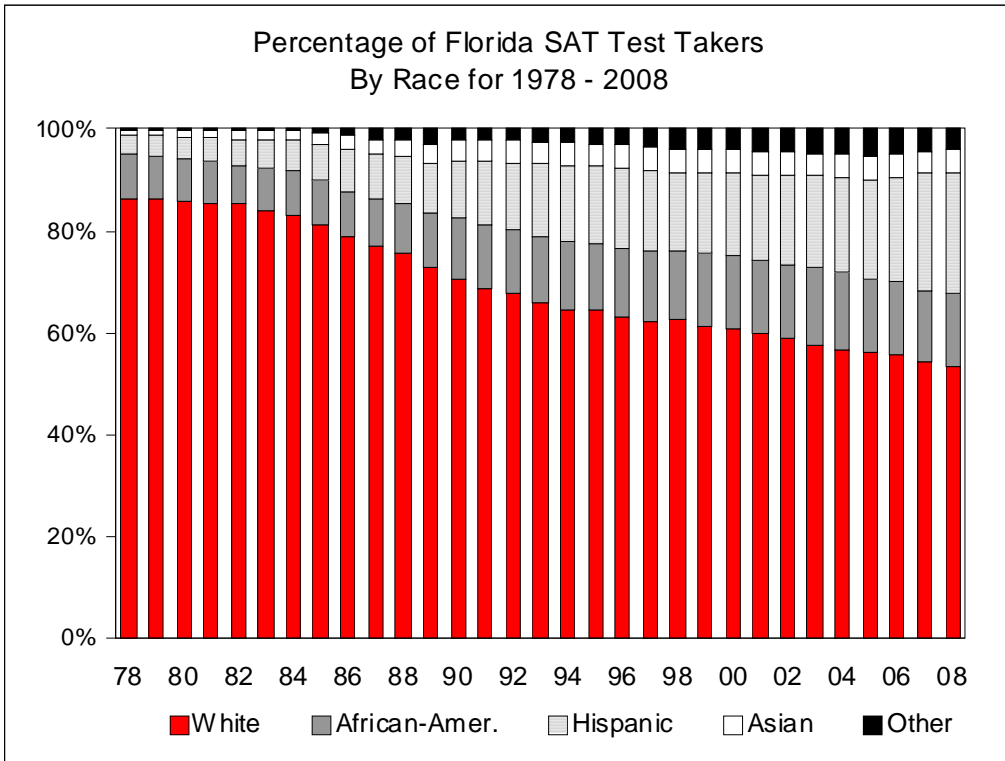


**Parental Education - Percentage of Florida Students
Whose Parent(s) Had Not Graduated from College**

	1987	1990	1993	1996	1999	2002	2005	2007	2008
All Test Takers	47.8	48.9	49.9	47.9	47.9	48.3	48.5	47.7	48.2
Males	45.6	46.8	46.7	44.8	45.0	44.7	45.0	45.0	45.0
Females	49.2	50.7	52.5	50.4	50.1	51.1	51.3	50.1	50.9
Whites	44.2	45.0	45.4	43.3	43.3	43.2	43.6	42.2	42.5
Afri. Amer.	65.5	66.0	65.8	63.8	64.1	65.3	65.1	63.6	63.4
Hispanics	56.0	55.0	56.6	53.2	52.6	53.2	52.4	52.7	53.3
Asians	46.4	46.7	47.1	44.6	43.2	42.9	42.1	41.7	43.4



SAT Scores by Racial-Ethnic Groups

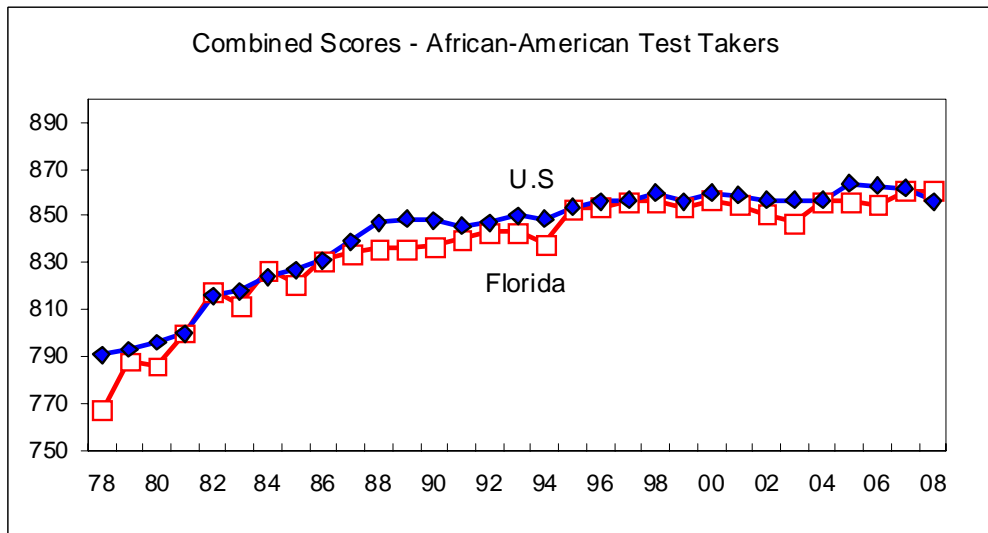
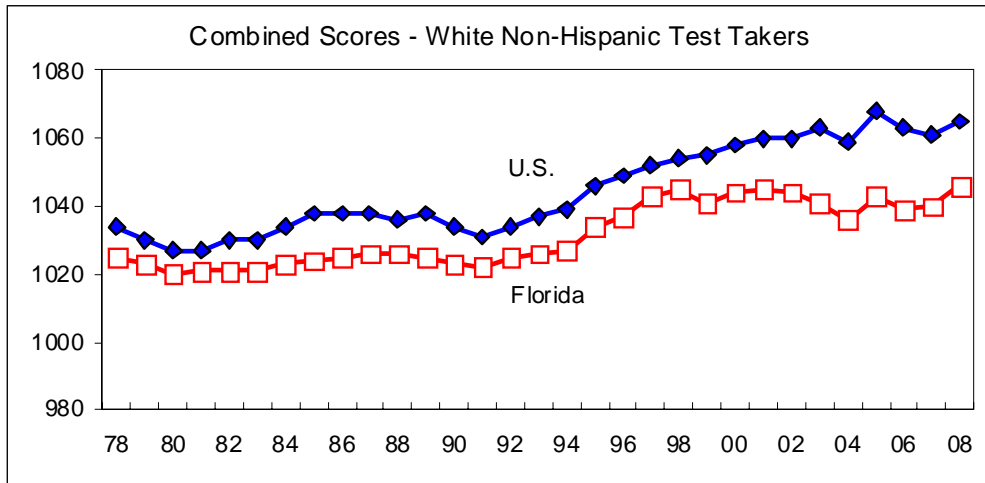


2008 SAT Combined Scores by Racial-Ethnic Groups
Florida and the Nation

Racial/Ethnic Groups	Florida		U.S.		Difference*	
	%	Total Score	%	Total Score	%	Total Score
White	53.3	1046	59.8	1065	6.5	19
African American	14.6	861	12.1	856	-2.4	-5
Hispanic	23.7	953	13.2	916	-10.4	-37
Asian	4.5	1058	10.5	1094	6.0	36
Other	4.0	987	4.3	1003	0.3	16
Total Responded**	100.0	994	100.0	1020	-	26
Non Respondents	3.5	965	5.8	963	2.2	-2
Total	100.0	993	100.0	1017	-	24

*Positive values: U.S. is higher than Florida.

**Test takers who indicated their race-ethnicity.



Florida
Numbers of SAT Test Takers by Racial/Ethnic Groups
1978-2008

	1978	1982	1986	1990	1994	1998	2000	2002	2004	2006	2007	2008	% Change 07 to '08
White Non-Hispanic	26,740	28,680	29,100	29,945	30,374	33,158	34,693	36,315	40,862	49,721	50,090	50,684	1.2
African-American	2,688	2,603	3,125	5,024	6,270	7,141	8,234	9,018	10,890	12,575	13,245	13,877	4.8
Hispanic	1,142	1,731	3,210	4,886	7,130	8,103	9,308	10,700	13,604	18,553	21,114	22,505	6.6
Asian	273	510	989	1,669	2,144	2,417	2,699	2,902	3,102	4,046	4,216	4,267	1.2
Other	97	148	396	950	1,218	2,122	2,239	2,692	3,625	4,211	3,988	3,766	-5.6
Total Responded*	30,940	33,672	36,820	42,474	47,136	52,941	57,173	61,627	72,083	89,106	92,653	95,099	2.6
No Response	3,788	4,202	3,804	2,510	3,477	5,099	10,093	14,037	15,207	5,495	4,713	3,479	-26.2
Total	34,728	37,874	40,624	44,984	50,613	58,040	67,266	75,664	87,290	94,601	97,366	98,578	1.2

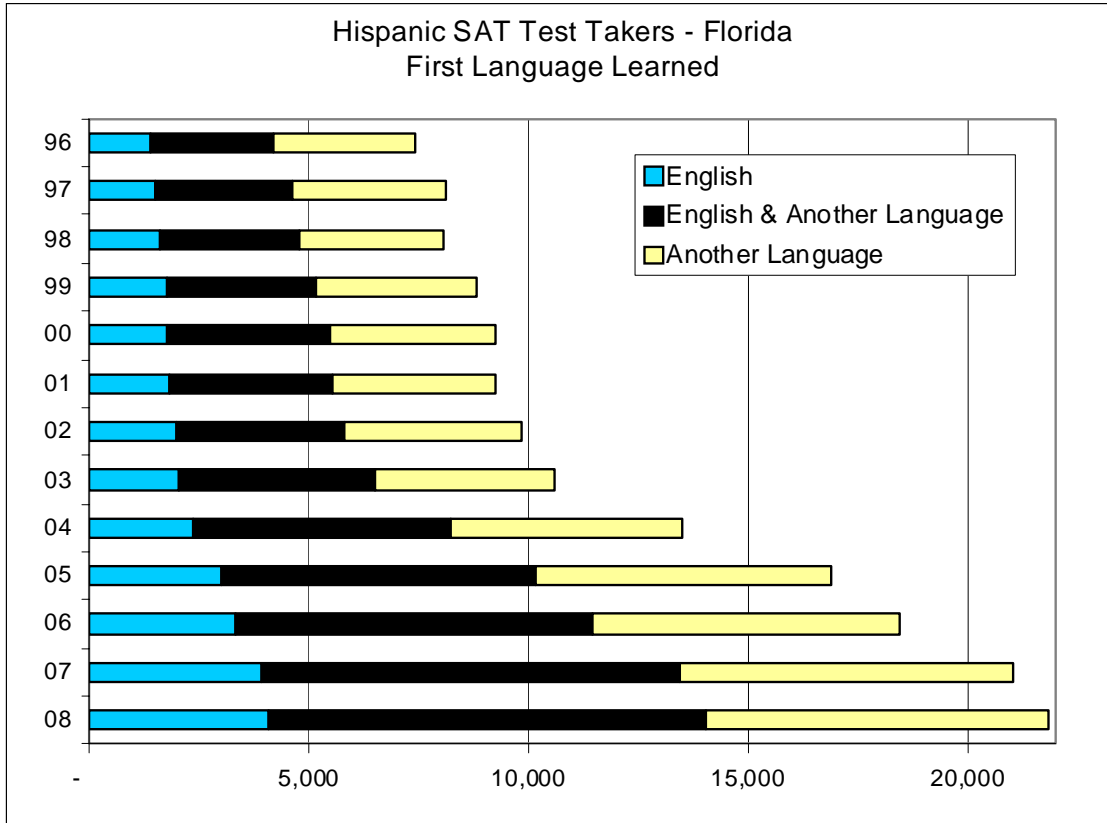
PERCENTAGE	1978	1982	1986	1990	1994	1998	2000	2002	2004	2006	2007	2008	Percentage Point Change
White Non-Hispanic	86.4	85.2	79.0	70.5	64.4	62.6	60.7	58.9	56.7	55.8	54.1	53.3	-0.8
African-American	8.7	7.7	8.5	11.8	13.3	13.5	14.4	14.6	15.1	14.1	14.3	14.6	0.3
Hispanic	3.7	5.1	8.7	11.5	15.1	15.3	16.3	17.4	18.9	20.8	22.8	23.7	0.9
Asian	0.9	1.5	2.7	3.9	4.5	4.6	4.7	4.7	4.3	4.5	4.6	4.5	-0.1
Other	0.3	0.4	1.1	2.2	2.6	4.0	3.9	4.4	5.0	4.7	4.3	4.0	-0.3
Total Responded*	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
No Response	10.9	11.1	9.4	5.6	6.9	8.8	15.0	18.6	17.4	5.8	4.8	3.5	-1.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

*Test takers who indicated their race-ethnicity.

Florida SAT Scores by Ethnic Groups

	1978	1982	1986	1990	1994	1998	2000	2002	2004	2005	2006	2007	2008	Difference 2008 2007-2008
CRITICAL READING														
White Non-Hispanic	522	518	517	514	514	523	522	521	519	522	518	520	522	2
African-American	391	413	417	420	418	429	431	426	429	429	431	434	434	0
Hispanic	478	474	472	474	470	479	480	476	479	480	477	478	478	0
Asian	465	482	489	489	484	504	501	502	502	513	505	512	510	-2
Other	473	476	466	469	482	495	495	487	488	489	491	495	496	1
Total Responded*	508	507	503	496	492	501	500	497	495	498	496	497	496	-1
No Response	469	463	490	473	458	482	487	493	516	503	496	495	485	-10
Total	504	502	502	495	490	500	498	496	499	498	496	497	496	-1
MATHEMATICS														
White Non-Hispanic	503	503	508	509	513	522	522	523	517	521	521	520	524	4
African-American	376	405	414	417	420	427	426	425	427	427	424	427	427	0
Hispanic	467	464	472	473	473	478	481	477	474	477	474	474	475	1
Asian	512	525	531	528	530	546	547	544	539	549	544	547	548	1
Other	435	474	462	467	471	490	491	488	482	486	488	492	491	-1
Total Responded*	491	494	497	494	494	502	502	500	495	498	497	496	497	1
No Response	477	461	486	479	459	485	493	495	517	500	495	495	480	-15
Total	489	490	496	493	492	501	500	499	499	498	497	496	497	1
TOTAL SCORE (Reading + Math)														
White Non-Hispanic	1025	1021	1025	1023	1027	1045	1044	1044	1036	1043	1039	1040	1046	6
African-American	767	818	831	837	838	856	857	851	856	856	855	861	861	0
Hispanic	945	938	944	947	943	957	961	953	953	957	951	952	953	1
Asian	977	1007	1020	1017	1014	1050	1048	1046	1041	1062	1049	1059	1058	-1
Other	908	950	928	936	954	985	986	975	970	975	979	987	987	0
Total Responded*	999	1001	1000	990	986	1003	1002	997	990	995	993	993	993	0
No Response	945	924	976	952	916	967	980	988	1033	1003	991	990	965	-25
Total	993	992	998	988	982	1001	998	995	998	996	993	993	993	0
Writing														
White Non-Hispanic											502	502	504	2
African-American											418	419	422	3
Hispanic											461	463	464	1
Asian											492	495	498	3
Other											476	478	480	1
Total Responded*											498	479	482	2
No Response											478	477	465	-12
Total											480	479	481	2

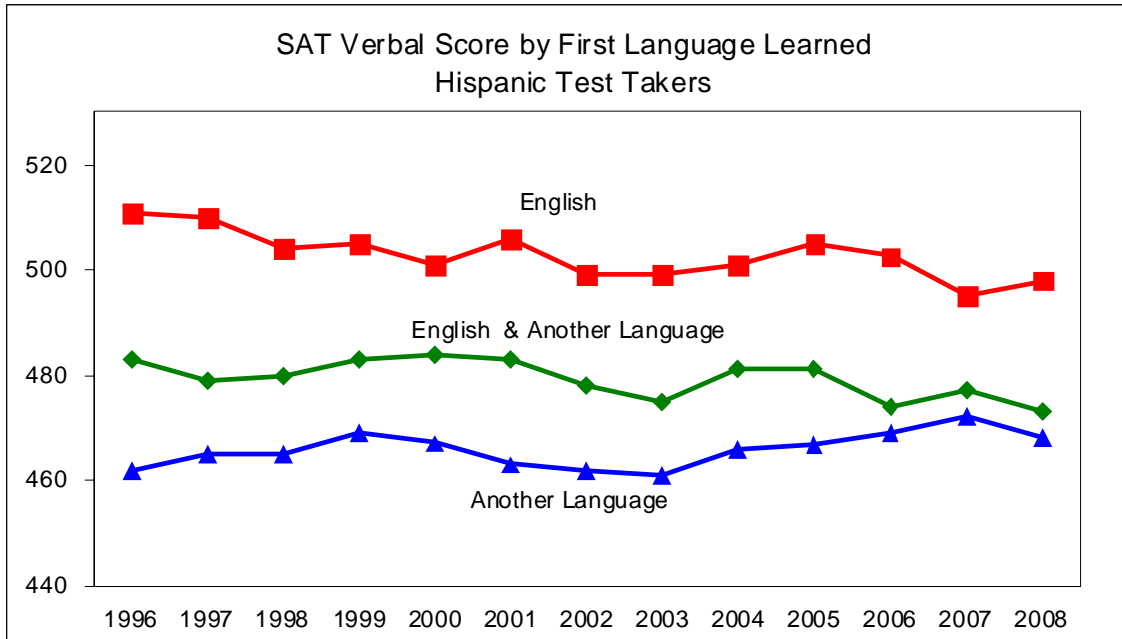
*Test takers who indicated their race-ethnicity.



Hispanic SAT Test Takers - Florida By First Language Learned

	1996	1998	2000	2002	2004	2006	2007	2008
English	1,407	1,618	1,793	1,982	2,379	3,341	3,939	4,078
English & Another	2,767	3,145	3,704	3,850	5,867	8,095	9,507	9,958
Other Language	3,227	3,312	3,767	4,008	5,260	7,030	7,562	7,787
Total	7,401	8,075	9,264	9,840	13,506	18,466	21,008	21,823

PERCENTAGES								
English	19.0	20.0	19.4	20.1	17.6	18.1	18.8	18.7
English & Another	37.4	38.9	40.0	39.1	43.4	43.8	45.3	45.6
Other Language	43.6	41.0	40.7	40.7	38.9	38.1	36.0	35.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

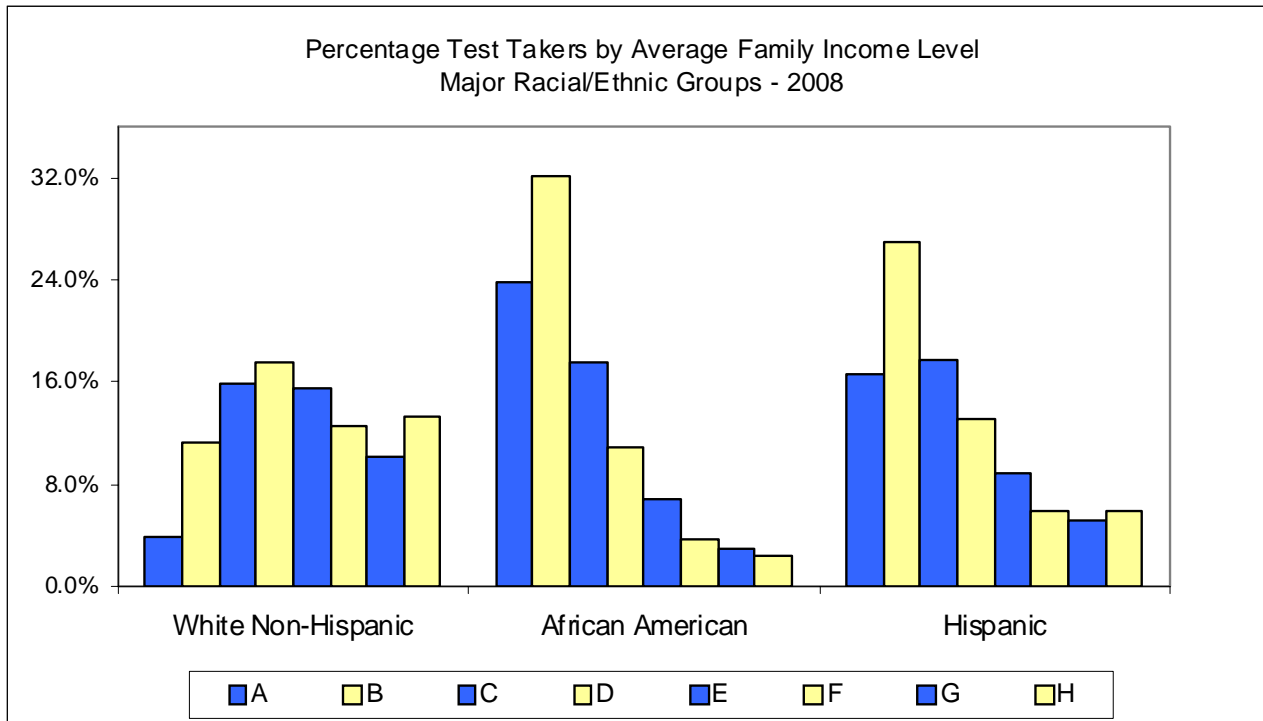


SAT Scores - Hispanic Test Takers - Florida By First Language Learned

	1996	1998	2000	2002	2004	2006	2007	2008
VERBAL SCORE								
English	511	504	501	499	501	503	495	498
English & Another	483	480	484	478	481	474	477	473
Another Language	462	465	467	462	466	469	472	468
Total	479	479	480	476	479	477	478	477
MATH SCORE								
English	501	498	497	494	492	496	492	494
English & Another	469	472	477	470	472	467	468	467
Another Language	470	475	477	474	468	471	472	471
Total	475	478	481	477	474	474	474	475
TOTAL SCORE								
English	1012	1002	998	993	993	999	987	992
English & Another	952	952	961	948	953	941	945	940
Another Language	932	940	944	936	934	940	944	939
Total	954	957	961	953	953	951	952	952

Test Takers by Average Family Income Level
Major Racial/Ethnic Groups - 2008

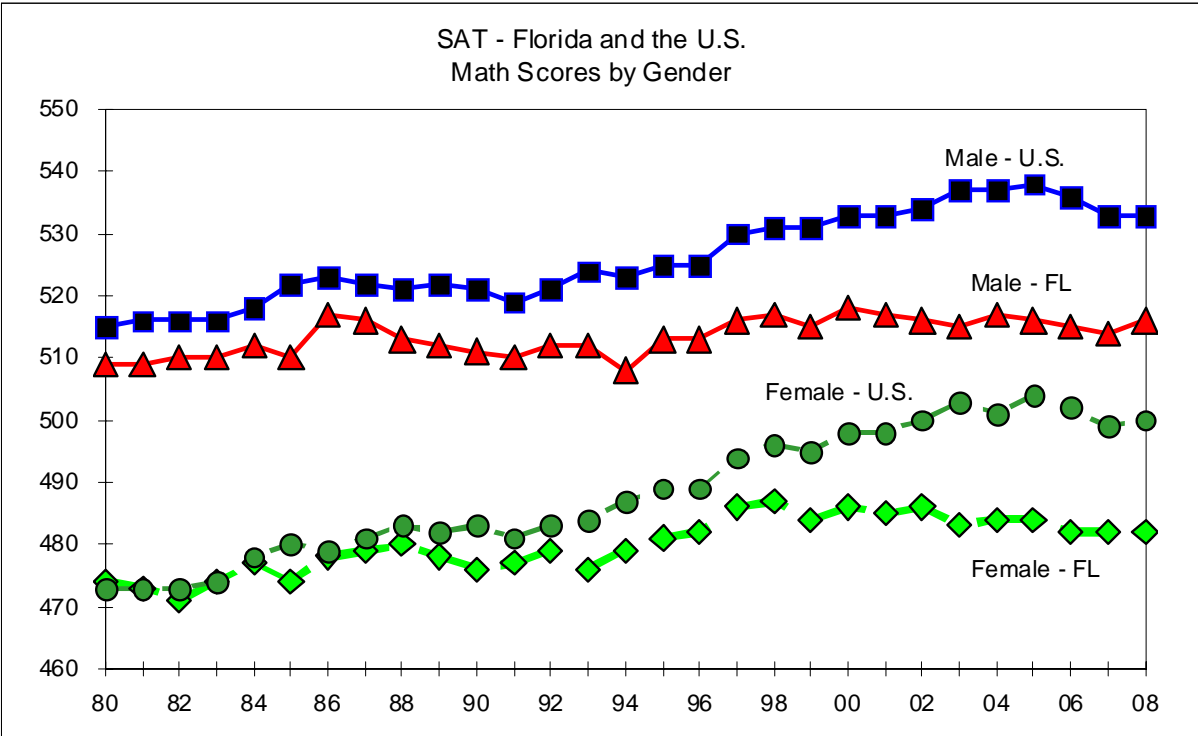
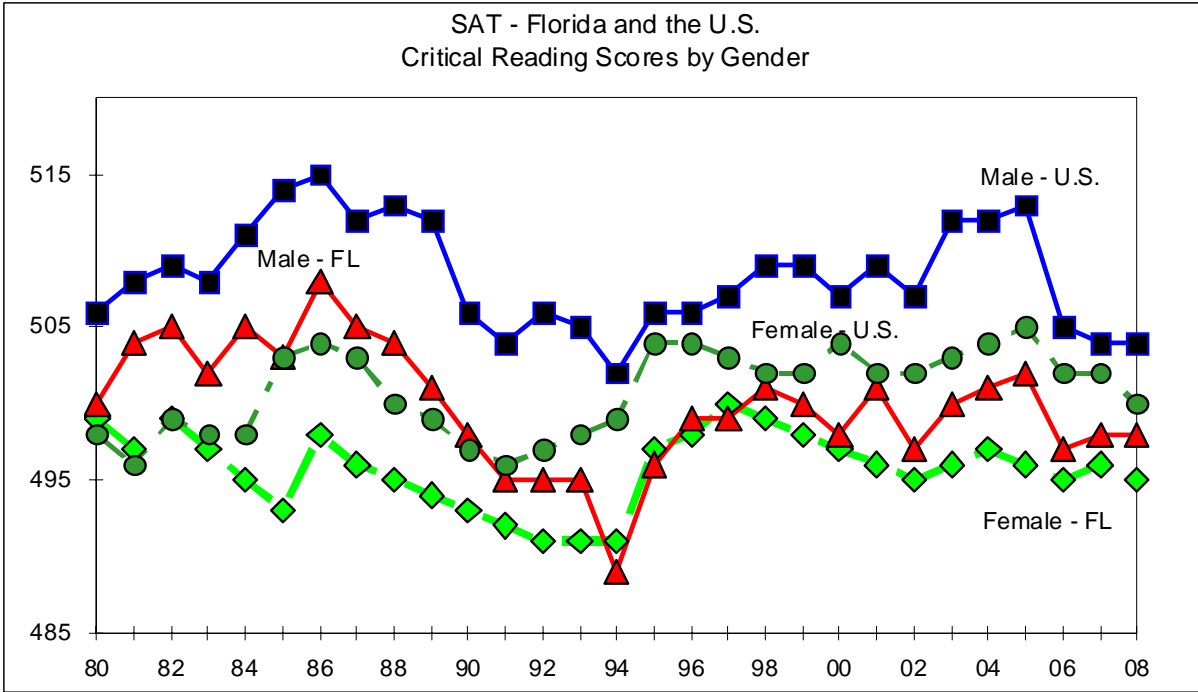
	Number			Percentage		
	White	Afri. Amer	Hispanic	White	Afri. Amer	Hispanic
A 0-\$20,000	1,314	2,310	2,598	3.9%	23.7%	16.7%
B \$20,000-\$40,000	3,823	3,131	4,209	11.3%	32.2%	27.0%
C \$40,000-\$60,000	5,388	1,704	2,756	16.0%	17.5%	17.7%
D \$60,000-\$80,000	5,892	1,052	2,030	17.5%	10.8%	13.0%
E \$80,000-\$100,000	5,216	660	1,374	15.5%	6.8%	8.8%
F \$10,000-\$120,000	4,220	364	911	12.5%	3.7%	5.8%
G \$120,000-\$160,000	3,431	286	791	10.2%	2.9%	5.1%
H More than \$160,000	4,460	226	907	13.2%	2.3%	5.8%
Total Responding	33,744	9,733	15,576	100.0%	100.0%	100.0%



SAT Scores by Gender

SAT Scores by Gender
1980 - 2008

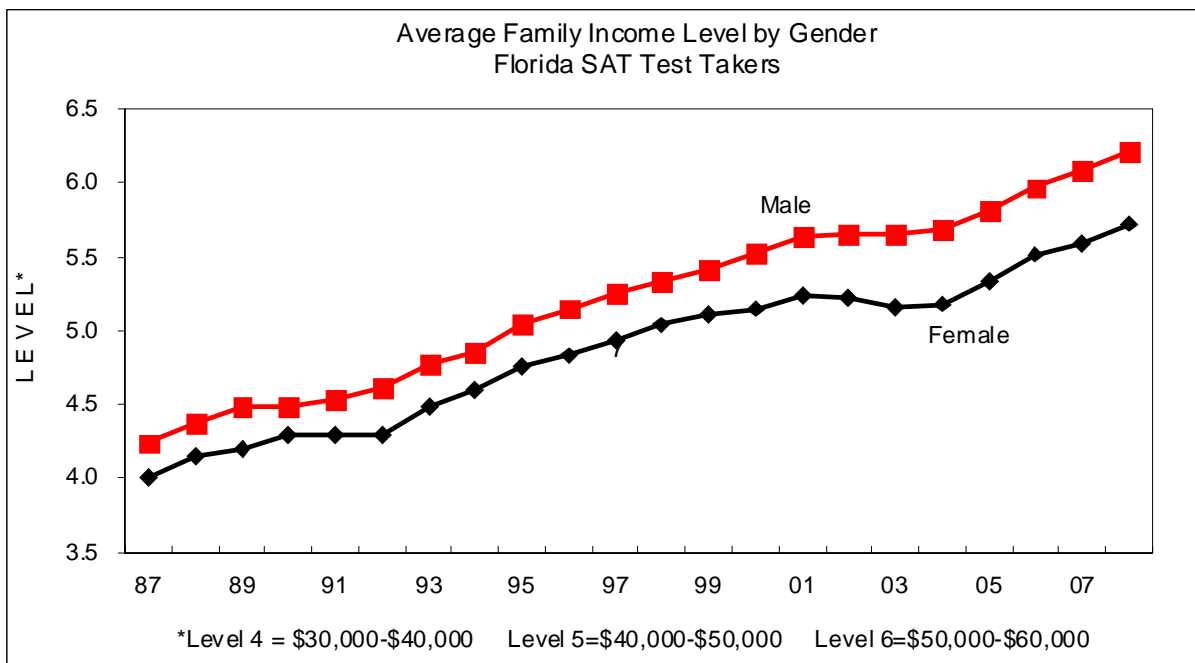
FLORIDA	1980	1983	1986	1989	1992	1995	1998	2001	2004	2006	2007	2008
Female												
# of Students	18,362	19,331	21,355	25,185	25,945	27,361	31,702	37,631	47,637	51,899	52,992	53,958
Percentage	51.2	51.8	52.6	53.3	53.4	54.2	54.6	54.3	54.6	54.9	54.6	54.8
Reading	499	497	498	494	491	497	499	496	497	495	496	495
Math	474	474	478	478	479	481	487	485	484	482	482	482
Total Score	973	971	976	972	970	978	986	981	981	977	978	977
Writing										486	486	488
Male												
# of Students	17,467	17,976	19,269	22,089	22,625	23,109	26,338	31,732	39,653	42,702	44,097	44,521
Percentage	48.8	48.2	47.4	46.7	46.6	45.8	45.4	45.7	45.4	45.1	45.4	45.2
Reading	500	502	508	501	495	496	501	501	501	497	497	498
Math	509	510	517	512	512	513	517	517	517	515	515	516
Total Score	1009	1012	1025	1013	1007	1009	1018	1018	1018	1012	1012	1014
Writing										472	472	472
Differences between females and males (Positive values: Males are higher than females)												
Verbal	1	5	10	7	4	-1	2	5	4	2	1	3
Math	35	36	39	34	33	32	30	32	33	33	33	34
Total Score	36	41	49	41	37	31	32	37	37	35	34	37
Writing										-14	-14	-16
U.S.												
Female												
Percentage	51.7	51.7	51.9	52.1	52.4	53.7	53.8	53.8	53.6	53.5	53.6	53.6
Reading	498	498	504	499	497	504	502	502	504	502	502	500
Math	473	474	479	482	483	489	496	498	501	502	499	500
Total Score	971	972	983	981	980	993	998	1000	1005	1004	1001	1000
Writing										502	500	501
Male												
Percentage	48.3	48.3	48.3	47.9	47.6	46.3	46.2	46.2	46.4	46.5	46.4	46.4
Reading	506	508	515	512	506	506	509	509	512	505	505	504
Math	515	516	523	522	521	525	531	533	537	536	536	533
Total Score	1021	1024	1038	1034	1027	1031	1040	1042	1049	1041	1041	1037
Writing										491	489	488
Difference between females and males (Positive value: Males are higher than females)												
Reading	8	10	11	13	9	2	7	7	8	3	3	4
Math	42	42	44	40	38	36	35	35	36	34	37	33
Total Score	50	52	55	53	47	38	42	42	44	37	40	37
Writing										-11	-11	-13
SCORE DIFFERENCE BETWEEN U.S. AND FLORIDA (Positive values: U.S. is higher than Florida)												
Female												
Verbal	-1	1	6	5	6	7	3	6	7	7	6	5
Math	-1	0	1	4	4	8	9	13	17	20	17	18
Total Score	-2	1	7	9	10	15	12	19	24	27	23	23
Writing										16	14	13
Male												
Verbal	6	6	7	11	11	10	8	8	11	8	8	6
Math	6	6	6	10	9	12	14	16	20	21	21	17
Total Score	12	12	13	21	20	22	22	24	31	29	29	23
Writing										19	17	16



.....
Florida SAT Scores by Gender and Racial/Ethnic Groups

	Male				Female				% Female	Score Difference (Male-Female)		
	Number	Reading	Math	Total	Number	Reading	Math	Total		Reading	Math	Total
<u>1992</u>												
White	14,284	516	532	1048	16,805	509	495	1004	53.1	7	37	44
African-American	2,442	414	426	840	3,154	426	418	844	56.4	-12	8	-4
Hispanic	2,771	480	496	976	3,328	468	457	925	54.6	12	39	51
Asian	951	498	551	1049	1,021	493	512	1005	51.8	5	39	44
Total*	22,625	495	512	1007	25,945	491	479	970	53.4	4	33	37
<u>1996</u>												
White	13,575	524	535	1059	16,527	519	501	1020	54.9	5	34	39
African-American	2,727	419	430	849	3,732	436	421	857	57.8	-17	9	-8
Hispanic	3,244	482	493	975	4,184	477	461	938	56.3	5	32	37
Asian	1,051	504	561	1065	1,138	499	524	1023	52.0	5	37	42
Total*	23,234	499	513	1012	27,745	498	482	980	54.4	1	31	32
<u>2000</u>												
White	15,374	524	542	1066	19,346	520	507	1027	55.7	4	35	39
African-American	3,324	424	432	856	4,910	437	423	860	59.6	-13	9	-4
Hispanic	3,891	484	501	985	5,417	478	466	944	58.2	6	35	41
Asian	1,218	502	564	1066	1,481	500	532	1032	54.9	2	32	34
Total*	30,412	499	518	1017	36,854	497	486	983	54.8	2	32	34
<u>2004</u>												
White	18,687	522	536	1058	22,175	517	501	1018	54.3	5	35	40
African-American	4,589	422	434	856	6,301	434	421	855	57.9	-12	13	1
Hispanic	5,888	484	494	978	7,716	475	459	934	56.7	9	35	44
Asian	1,542	502	553	1055	1,560	501	525	1026	50.3	1	28	29
Total*	39,653	501	517	1018	47,637	497	484	981	54.6	4	33	37
<u>2007</u>												
White	23,196	521	538	1059	26,848	519	505	1024	53.6	2	33	35
African-American	5,578	427	433	860	7,566	440	423	863	57.6	-13	10	-3
Hispanic	9,243	481	493	974	11,837	476	459	935	56.2	5	34	39
Asian	2,031	511	561	1072	2,181	513	534	1047	51.8	-2	27	25
Total*	44,097	498	514	1012	52,992	496	482	978	54.6	2	32	34
<u>2008</u>												
White	23,461	523	542	1065	27,196	521	508	1029	53.7	2	34	36
African-American	5,843	427	435	862	8,008	439	421	860	57.8	-12	14	2
Hispanic	9,783	482	496	978	12,713	474	458	932	56.5	8	38	46
Asian	2,058	511	563	1074	2,208	509	533	1042	51.8	2	30	32
Total*	44,521	498	516	1014	53,958	495	482	977	54.8	3	34	37

*Total includes other racial-ethnic groups and students who did not indicate their race-ethnicity.



Average Family Income Level Florida SAT Test Takers By Gender - 2008

	Male		Female	
	Number	%	Number	%
Less than \$10,000	859	2.9	1,688	4.8
\$10,000-\$20,000	1,681	5.6	2,738	7.8
\$20,000-\$30,000	2,395	8.0	3,690	10.5
\$30,000-\$40,000	2,663	8.9	3,647	10.4
\$40,000-\$50,000	2,435	8.2	3,208	9.1
\$50,000-\$60,000	2,483	8.3	2,813	8.0
\$60,000-\$70,000	2,268	7.6	2,493	7.1
\$70,000-\$80,000	2,489	8.4	2,651	7.6
\$80,000-\$100,000	3,906	13.1	3,990	11.4
More than \$100,000	8,613	28.9	8,176	23.3

Average Family Income by Gender Florida SAT Test Takers

	1989	1993	1997	2001	2003	2005	2006	2007	2008
Males	4.48	4.78	5.25	5.63	5.66	5.82	5.97	6.08	6.21
Females	4.20	4.49	4.94	5.25	5.17	5.34	5.52	5.59	5.73
Difference	0.28	0.29	0.31	0.38	0.49	0.48	0.45	0.49	0.49

Department of Education
(850) 245-0429