

**ACT Trends**  
**Florida and the Nation**

**August 2008**

**Florida Department of Education**  
**Based on information from ACT, Inc.**

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## **Summary - ACT Trends Florida and the Nation 2008**

### **Overall Trends in Number of Test Takers and Scores (Page 1)**

- A total of 93,884 of Florida's 2008 graduating seniors took the ACT at some point in their high school years, an increase of 12,357 (15%) over 2007. By contrast, the number of ACT-tested seniors nationwide increased by 9%.
- Florida test takers represent 57% of Florida's 2008 public and nonpublic high school graduates, compared to 51% the prior year. Nationwide, the number of ACT-tested seniors represents 43% of the number of 2008 graduates.
- The composite score for both Florida and the U.S. decreased by one tenth of a point, from 19.9 to 19.8 for Florida and from 21.2 to 21.1 for the nation. Typically, the larger the percentage of students taking a test, the lower the scores are likely to be.
- Although the composite scores have decreased slightly over the last three years, the percentages of Florida scores at the highest score levels have increased. Decreases in percentages occurred in scores from 18 to 28, followed by increases in scores below 18. (Page 4)

### **Profile of the 2008 Florida Test Takers Compared to the U.S.**

- The profile of Florida test takers continues to look less like the profile of test takers nationwide. Minority students now comprise 53% of Florida's test takers, a 28 percentage-point increase since 1987.<sup>1</sup> Nationwide, minority students represent 32% of the test takers, a spread of 21 percentage points when compared with Florida. (Pages 2, 14-18)
- In particular, Florida has significantly larger percentages of African-American and Hispanic students taking the ACT than is true for the U.S. In 2008 African Americans represented 23% of the Florida test takers, compared to 14% for the nation. Hispanics made up 21% of the Florida test takers, compared to 9% for the nation. (Page 16)

### **Trends by ACT Subtest**

- The ACT tests performance in four areas: English, math, reading, and science. Florida's 2008 scores decreased two tenths of a point in reading and science, and one tenth of a point

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<sup>1</sup> These percentages are based on the number of test takers who responded to the item requesting test takers to indicate their race-ethnicity. Six percent of Florida's test takers and 8 percent of those in the nation did not include this information.

in English. The math score did not change. Overall, the composite score decreased by one tenth of a point. The nation decreased by two tenths of a point in science and one tenth of a point in English and reading. As was true for Florida, the math score did not change and the composite score decreased by one tenth of a point. (Page 6)

- ACT recently introduced an optional essay section. Nearly half (47%) of the 2008 Florida ACT test takers elected to take the essay, earning an average score of 7.5 (on a scale of 2 to 12). Nationwide, 54% took the essay, yielding an average score of 7.3. (Page 8)
- Test takers who elect to take the essay section tend to be better-prepared than those who do not. Florida essay takers scored 21.2 on the English subtest, compared to 17.0 for those who did not take the essay.
- Results on the ACT underscore the importance of taking rigorous coursework. Florida students who took calculus while in high school averaged 24.2 on the mathematics section, compared to 20.3 for those whose highest math course was trigonometry or another advanced math (but not both), and 17.2 for those who have not taken a course beyond geometry and Algebra 2. (Page 9)
- Students who have skipped past general science to take biology, chemistry, and physics averaged 22.3 on the ACT science section (some of these students may have taken more than one year of biology or chemistry). Students with three years or more of science (not physics), averaged 18.9, while those who had less than three years of natural science averaged 17.3. (Page 10)

**Uses of the ACT in Florida.** ACT is a college entrance examination taken voluntarily by the students at times and testing sites set by the testing company. Examples of ways in which ACT scores (or, alternatively, concordant SAT 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 ACT composite score of 20, while a student with a GPA of 2.0 needs an ACT score of 25.
- For meeting qualifications for the Bright Futures Scholarship Program. For instance, a Florida Academic Scholars Award requires an ACT score of 28, while a Florida Medallion Scholars Award requires a score of 20.
- For placement into regular college courses. Students who present an ACT reading score of 18, an English score of 17, and a mathematics score of 19 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 ACT or the SAT.

### **ACT Trends by Racial/Ethnic Groups (Pages 14-18)**

- The 2008 average composite score for white non-Hispanic and African American test takers remained the same as 2007. Scores for Hispanics decreased by two tenths of a point, while scores for Asians increased by two tenths of a point. (Page 19)
- Until 2007, Florida's ACT scores for white non-Hispanic, African American, and Asian test takers generally tracked the U.S. scores for these same groups, some years achieving below the U.S. scores and other years above. For the last two years the composite scores for Florida for all three groups have fallen behind the scores for the U.S. (Page 17)
- In the past, Hispanic test takers in Florida have had significantly higher scores than did Hispanic test takers nationwide. However, the gap has recently narrowed. In 2008 Florida Hispanics scored 18.8 and Hispanics in the U.S. scored 18.7.
- Course-taking patterns help to explain score differences. Among those test takers who reported the courses they had taken or would have taken by the time they graduate, 40% of Florida's African-American ACT test takers had not completed all the core subjects, compared by approximately 30% of white non-Hispanic and Hispanic test takers, and 20% of Asian test takers. (Page 16)

### **Relationship between Scores and Family Income (Pages 12-14)**

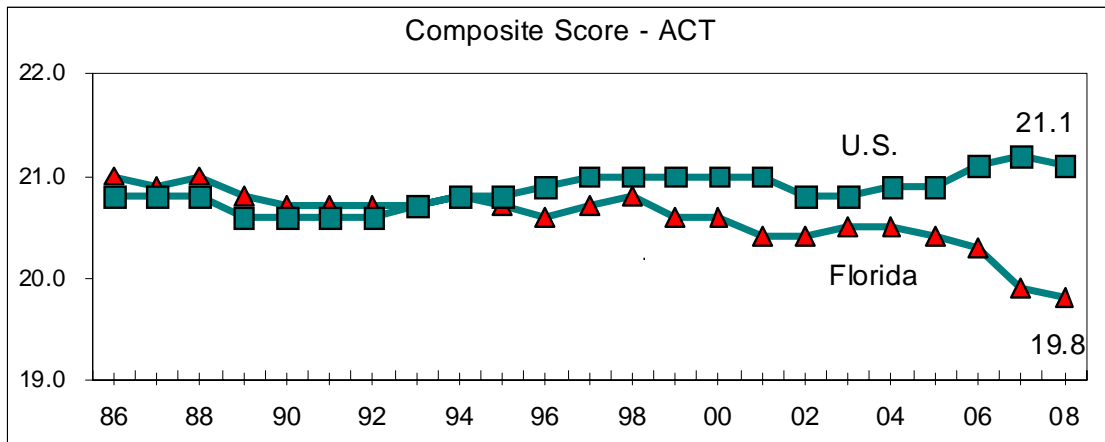
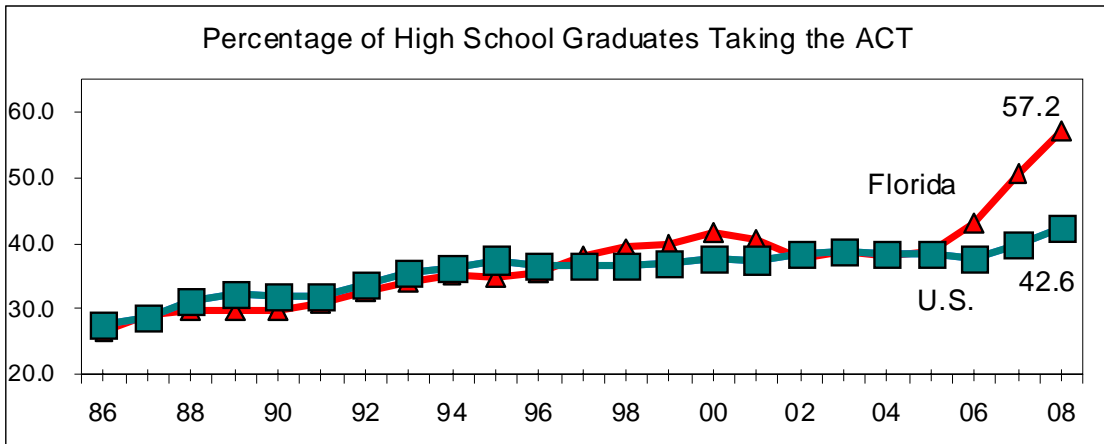
- Results on the ACT demonstrate the significant relationship frequently found between achievement scores and family income: the higher the income, the higher the score is likely to be. (Page 12)
- Taking family income into account, Florida test takers score slightly below the scores for test takers nationwide.
- Information on the family income of ACT test takers illustrates the changing profile between Florida test takers and test takers nationwide. From 1988 through 1992, the average family income of Florida test takers was higher than test takers in the U.S. Since 1993 the reverse has been true, with the gap widening in favor of the U.S. (Page 13) In 2007 the measure of family income for Florida test takers was lower than it has been since 1999, while the measure for test takers nationwide was at its highest level.
- Average family income patterns are significantly different for the three major racial-ethnic groups. (Page 20) The families of African-American and Hispanic test takers are more likely to have an average income of less than \$30,000, while the families of white test takers are more likely to have an income of \$60,000 or more.

**ACT Trends by Gender (Pages 22-24)**

- Females comprise 59% of the Florida test takers, compared to 55% for the nation. Among Florida test takers, the gap in favor of females widened from 57% in 1992 to 61% in 2004. The percentage of males has increased slightly the last three years.
- Most test takers, regardless of gender, take four or more years of English. The gap is closing between the percentage of males and females who take higher level math courses. However, a gap remains in the sciences, where higher proportions of males (42%) report having taken physics, compared to 36% of the females.
- Florida female ACT test takers consistently outscore males at every course level in English and reading, while males consistently outscore females at every course level in math and science.

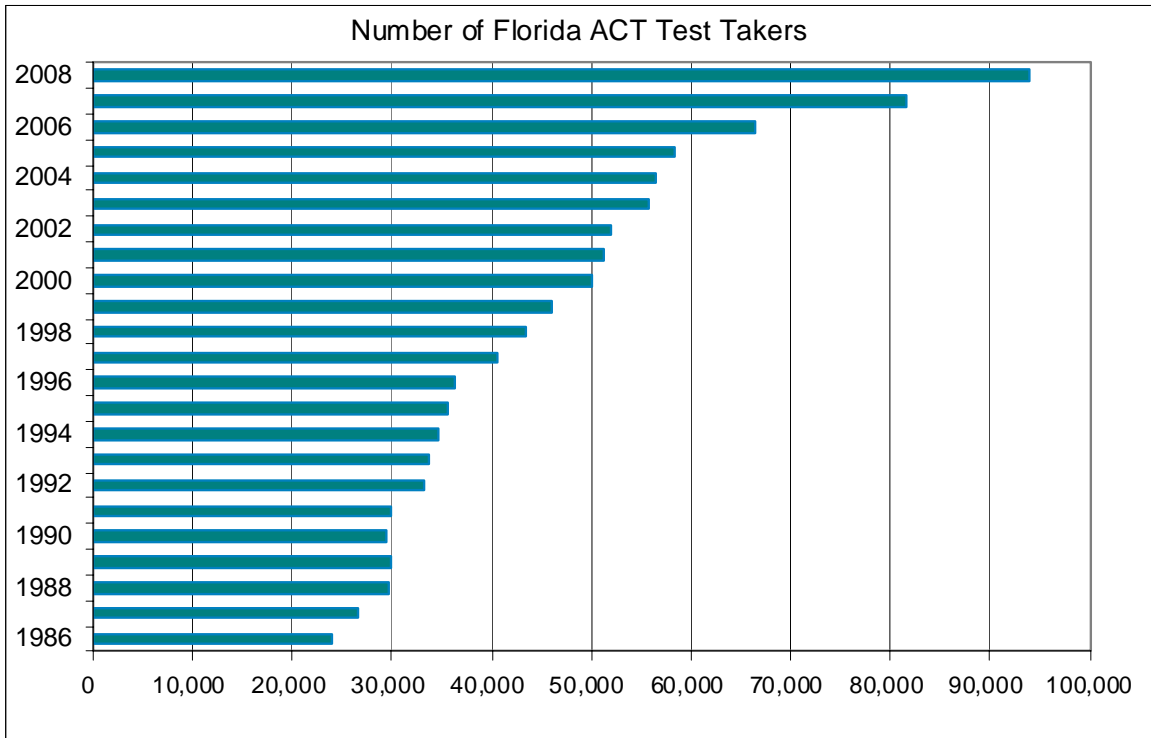
Grad. Year	ACT - Florida				ACT - United States			
	Test Takers	Florida High Sch. Graduates*	Test Takers as a % of Grads	Composite Score	Test Takers	U.S. High Sch. Graduates*	Test Takers as a % of Grads	Composite Score
1986	23,980	90,550	26.5	21.0	729,606	2,650,442	27.5	20.8
1988	29,610	99,125	29.9	21.0	842,322	2,768,189	30.4	20.8
1990	29,328	98,525	29.8	20.7	817,096	2,563,875	31.9	20.6
1992	33,283	101,350	32.8	20.7	832,217	2,461,249	33.8	20.6
1994	34,528	97,950	35.3	20.8	891,714	2,461,216	36.2	20.8
1996	36,264	102,134	35.5	20.6	924,663	2,522,297	36.7	20.9
1998	43,379	110,160	39.4	20.8	995,039	2,705,110	36.8	21.0
2000	49,928	119,905	41.6	20.6	1,065,138	2,832,879	37.6	21.0
2001	51,118	125,801	40.6	20.4	1,069,772	2,850,006	37.5	21.0
2002	51,935	137,040	37.9	20.4	1,116,082	2,910,665	38.3	20.8
2003	55,784	144,103	38.7	20.5	1,175,059	3,019,234	38.9	20.8
2004	56,431	148,132	38.1	20.5	1,171,460	3,058,145	38.3	20.9
2005	58,302	150,191	38.8	20.4	1,186,251	3,096,834	38.3	20.9
2006	66,299	153,830	43.1	20.3	1,206,455	3,189,538	37.8	21.1
2007	81,527	160,930	50.7	19.9	1,300,599	3,254,432	40.0	21.2
2008	93,884	164,170	57.2	19.8	1,421,941	3,340,235	42.6	21.1

\*Public high school graduates plus estimated number of nonpublic high school graduates



Number of Florida ACT Test Takers  
1986 - 2008

Year	Test Takers	Year	Test Takers
1986	23,980	1997	40,496
1987	26,558	1998	43,379
1988	29,610	1999	46,072
1989	29,916	2000	49,928
1990	29,328	2001	51,118
1991	30,019	2002	51,935
1992	33,283	2003	55,784
1993	33,775	2004	56,431
1994	34,528	2005	58,302
1995	35,596	2006	66,299
1996	36,264	2007	81,527
		2008	93,884

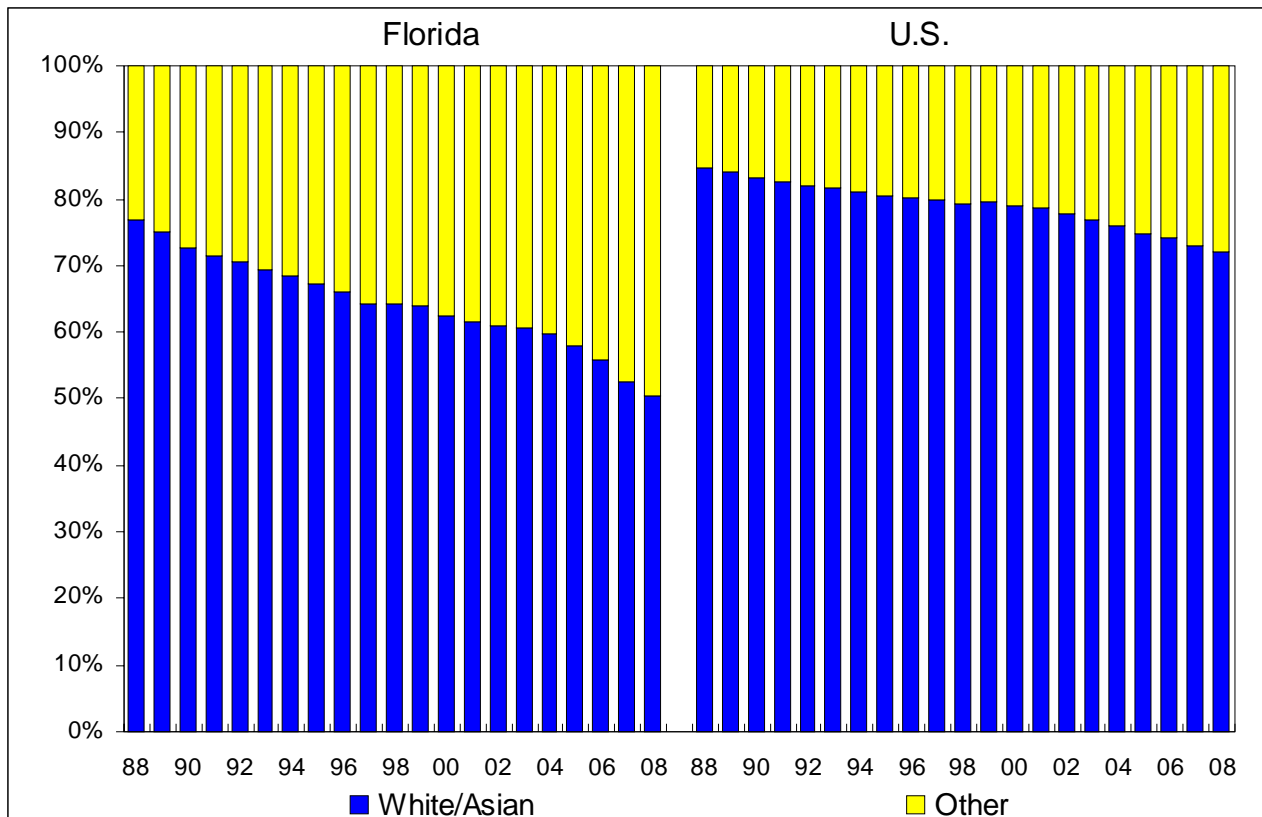


Percentage of Test Takers from Groups Which Historically Have Above-Average Means

	Florida							U.S.						
	1988	1992	1996	2000	2004	2007	2008	1988	1992	1996	2000	2004	2007	2008
White	74.4	66.8	61.6	59.0	56.2	49.0	47.0	82.8	79.0	77.0	75.6	72.4	69.3	68.3
Asian	2.5	3.8	4.4	3.7	3.5	3.5	3.4	2.0	3.0	3.3	3.5	3.6	3.8	3.9
Total	76.9	70.6	66.0	62.7	59.7	52.5	50.4	84.8	82.0	80.3	79.1	76.0	73.1	72.2
Difference: Florida Percentage Minus U.S. Percentage								-7.9	-11.4	-14.3	-16.4	-16.3	-20.6	-21.8

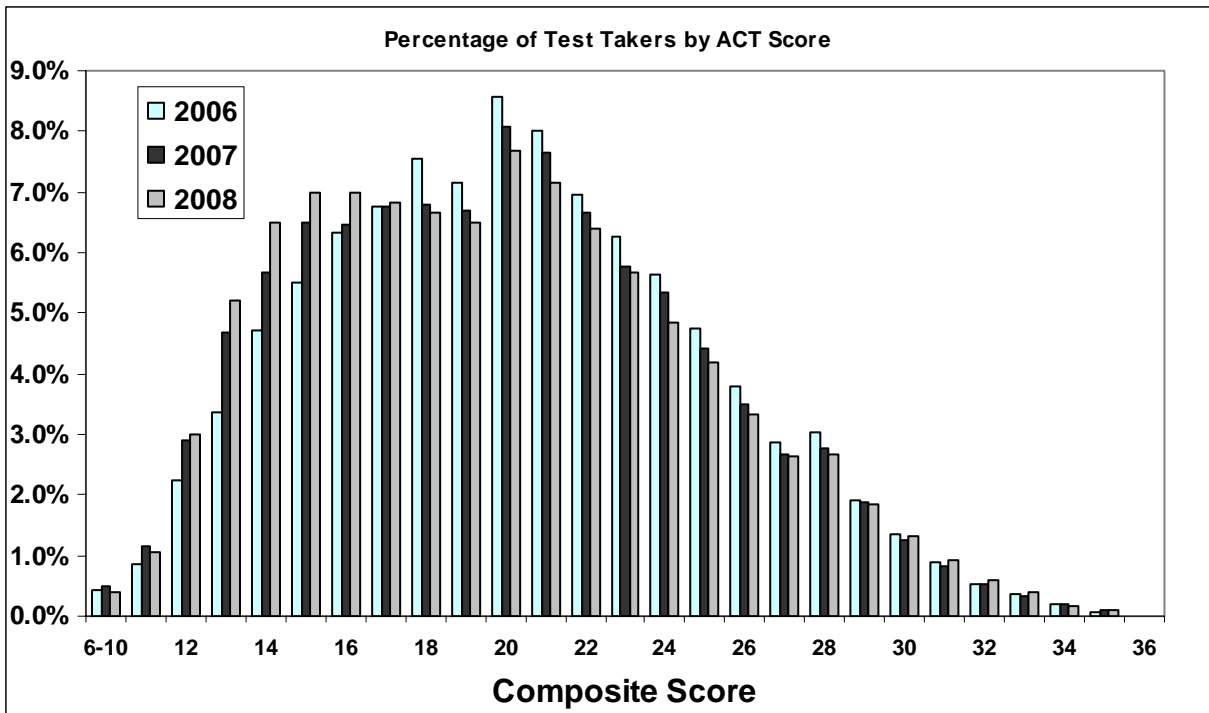
Percentage of Test Takers from Groups Which Historically Have Below-Average Means

	Florida							U.S.						
	1988	1992	1996	2000	2004	2007	2008	1988	1992	1996	2000	2004	2007	2008
Afri. Amer.	12.3	15.3	16.6	18.2	19.4	23.0	22.9	8.9	9.9	10.3	11.0	12.1	13.5	13.6
Hispanic	7.5	10.9	13.0	14.1	15.9	18.9	20.8	3.6	5.1	5.6	5.8	7.2	8.3	8.8
Other	3.3	3.2	4.4	5.0	5.0	5.6	5.9	2.7	3.0	3.8	4.1	4.7	5.1	5.4
Total	23.1	29.4	34.0	37.3	40.3	47.5	49.6	15.2	18.0	19.7	20.9	24.0	26.9	27.8



Percentage of Test Takers by ACT Score

Score	2006	2007	2008
36	0.01%	0.01%	0.02%
35	0.07%	0.09%	0.11%
34	0.19%	0.20%	0.17%
33	0.35%	0.33%	0.40%
32	0.51%	0.54%	0.59%
31	0.88%	0.81%	0.94%
30	1.35%	1.25%	1.32%
29	1.91%	1.88%	1.86%
28	3.04%	2.76%	2.65%
27	2.85%	2.68%	2.64%
26	3.78%	3.50%	3.32%
25	4.75%	4.41%	4.19%
24	5.62%	5.32%	4.85%
23	6.27%	5.77%	5.67%
22	6.95%	6.67%	6.38%
21	8.02%	7.63%	7.15%
20	8.56%	8.06%	7.67%
19	7.15%	6.71%	6.49%
18	7.54%	6.79%	6.67%
17	6.77%	6.76%	6.81%
16	6.34%	6.45%	6.98%
15	5.50%	6.50%	6.98%
14	4.70%	5.66%	6.50%
13	3.36%	4.68%	5.19%
12	2.25%	2.89%	3.02%
11	0.85%	1.15%	1.04%
6-10	0.42%	0.49%	0.40%



**ACT Scores**

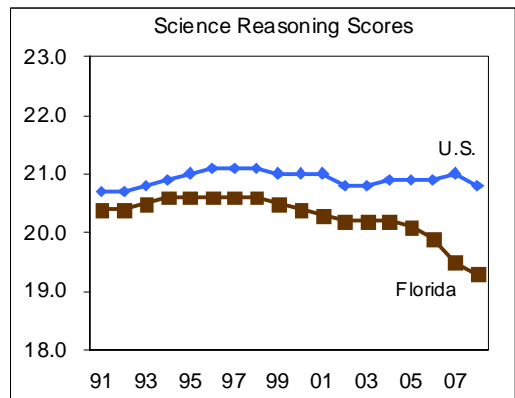
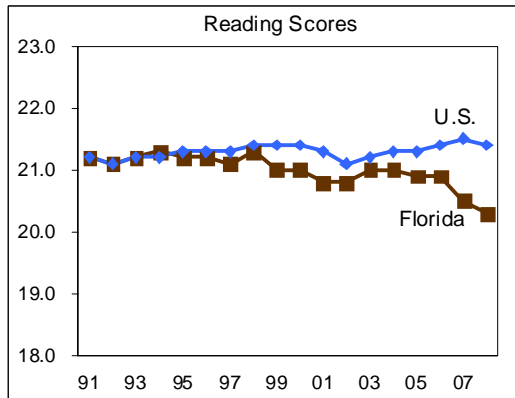
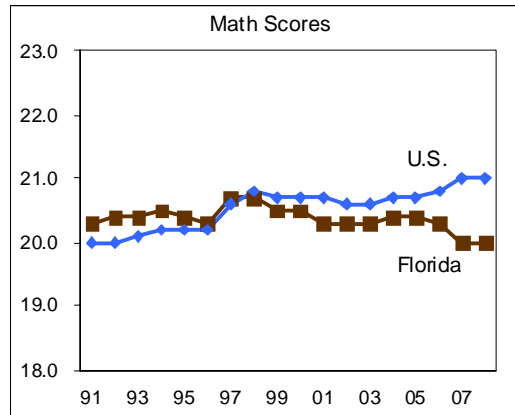
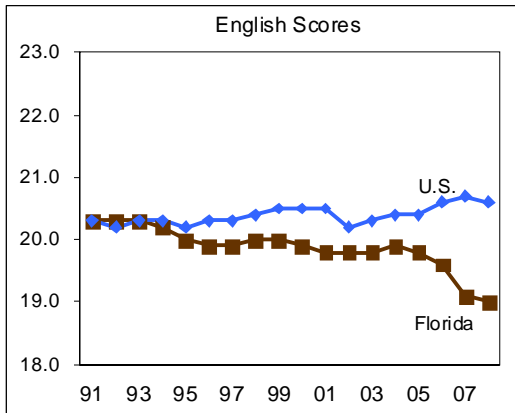
**by Subtest**

Florida and the U.S.

Florida	1991	1995	1997	1999	2001	2003	2005	2007	2008	Change 07 to '08
English	20.3	20.0	19.9	20.0	19.8	19.8	19.8	19.1	19.0	-0.1
Math	20.3	20.4	20.7	20.5	20.3	20.3	20.4	20.0	20.0	0.0
Reading	21.2	21.2	21.1	21.0	20.8	21.0	20.9	20.5	20.3	-0.2
Science	20.4	20.6	20.6	20.5	20.3	20.2	20.1	19.5	19.3	-0.2
Composite	20.7	20.7	20.7	20.6	20.4	20.5	20.4	19.9	19.8	-0.1

U.S.	1991	1995	1997	1999	2001	2003	2005	2007	2008	Change 07 to '08
English	20.3	20.2	20.3	20.5	20.5	20.3	20.4	20.7	20.6	-0.1
Math	20.0	20.2	20.6	20.7	20.7	20.6	20.7	21.0	21.0	0.0
Reading	21.2	21.3	21.3	21.4	21.3	21.2	21.3	21.5	21.4	-0.1
Science	20.7	21.0	21.1	21.0	21.0	20.8	20.9	21.0	20.8	-0.2
Composite	20.6	20.8	21.0	21.0	21.0	20.8	20.9	21.2	21.1	-0.1



ACT Subscores - Florida and the U.S.

FLORIDA											
	1992	1994	1996	1998	2000	2002	2004	2006	2007	2008	Change 07 to 08
English											
Usage/Mech.	10.2	10.2	9.9	10.0	10.0	9.8	9.9	9.7	9.3	9.3	0.0
Rhet. Skills	10.3	10.4	10.2	10.3	10.3	10.2	10.2	10.1	9.9	9.8	-0.1
Mathematics											
Pre/Elem. Alg.	10.7	10.7	10.6	11.0	10.9	10.7	10.8	10.7	10.5	10.4	-0.1
Algebra/Geom.	10.2	10.2	10.1	10.2	10.0	10.0	10.2	10.1	9.9	9.9	0.0
Plane Geom./Trig.	10.3	10.3	10.3	10.5	10.3	10.2	10.2	10.1	9.9	9.9	0.0
Reading											
Social Studies/Sci.	10.3	10.4	10.4	10.5	10.4	10.5	10.5	10.4	10.2	10.1	-0.3
Arts/Lit.	11.3	11.2	11.1	11.2	11.0	10.7	10.9	10.8	10.6	10.4	-0.4

U.S.											
	1992	1994	1996	1998	2000	2002	2004	2006	2007	2008	Change 07 to 08
English											
Usage/Mech.	10.2	10.2	10.1	10.2	10.3	10.0	10.2	10.3	10.3	10.3	0.0
Rhet. Skills	10.3	10.4	10.4	10.5	10.6	10.4	10.5	10.7	10.7	10.7	0.0
Mathematics											
Pre/Elem. Alg.	10.4	10.4	10.4	10.9	10.9	10.8	10.9	10.9	11.0	11.0	0.0
Algebra/Geom.	10.0	10.1	10.0	10.2	10.1	10.1	10.3	10.4	10.5	10.5	0.0
Plane Geom./Trig.	10.2	10.3	10.4	10.7	10.6	10.5	10.4	10.5	10.5	10.5	0.0
Reading											
Social Studies/Sci.	10.4	10.5	10.6	10.6	10.7	10.7	10.8	10.8	10.8	10.8	0.0
Arts/Lit.	11.2	11.2	11.1	11.2	11.1	10.8	10.9	11.0	11.0	10.9	-0.1

DIFFERENCE											
	1992	1994	1996	1998	2000	2002	2004	2006	2007	2008	
English											
Usage/Mech.	0.0	0.0	-0.2	-0.2	-0.3	-0.2	-0.3	-0.6	-1.0	-1.0	
Rhet. Skills	0.0	0.0	-0.2	-0.2	-0.3	-0.2	-0.3	-0.6	-0.8	-0.9	
Mathematics											
Pre/Elem. Alg.	0.3	0.3	0.2	0.1	0.0	-0.1	-0.1	-0.2	-0.5	-0.6	
Algebra/Geom.	0.2	0.1	0.1	0.0	-0.1	-0.1	-0.1	-0.3	-0.6	-0.6	
Plane Geom./Trig.	0.1	0.0	-0.1	-0.2	-0.3	-0.3	-0.2	-0.4	-0.6	-0.6	
Reading											
Social Studies/Sci.	-0.1	-0.1	-0.2	-0.1	-0.3	-0.2	-0.3	-0.4	-0.6	-0.7	
Arts/Lit.	0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.2	-0.4	-0.5	

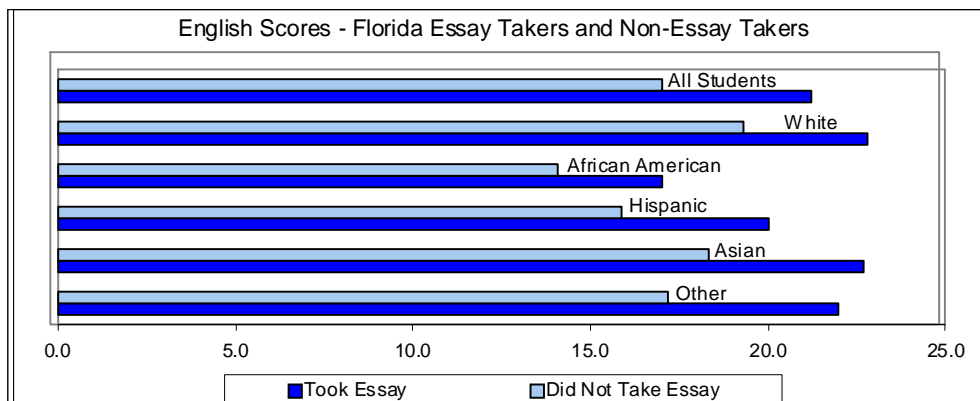
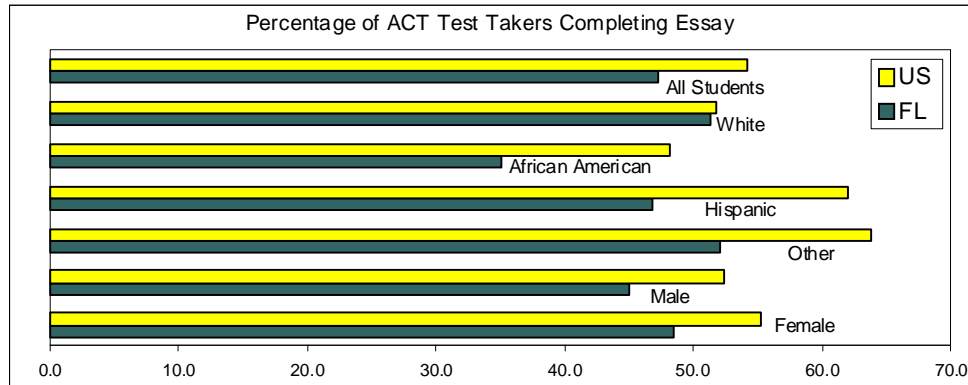
Note: Negative numbers above indicate that Florida is below the U.S.

Average ACT English and Writing Scores for Students Who Took ACT Essay

Florida	Number - 2008		% Taking		Scores - 2008			English Did Not Take Essay	English Difference Essay Takers & Non-Essay Takers
	ACT Test Takers	Essay	Essay		English*	Essay	English/ Essay Combined		
			2007	2008					
All Students	93,884	44,401	43.2	47.3	21.2	7.5	20.9	17.0	4.2
White Non-Hispanic	41,431	21,255	44.9	51.3	22.8	7.6	22.2	19.3	3.5
African American	20,215	7,100	34.1	35.1	17.0	7.0	17.3	14.1	2.9
Hispanic	18,288	8,549	44.2	46.7	20.0	7.5	20.0	15.9	4.1
Asian	2,967	1,811	53.7	61.0	22.7	7.8	22.4	18.3	4.4
Native American	311	138	42.9	44.4	21.8	7.3	21.2	17.5	4.3
Other/No Response**	10,672	5,548	46.5	52.0	22.0	7.6	21.6	17.2	4.8
Males	37,924	17,061		45.0	20.7	7.2	20.3	16.7	4.0
Females	54,010	26,167		48.4	21.4	7.7	21.3	17.3	4.1
Gender/No Response	1,950	1,173		60.2	23.0	7.7	22.5	18.7	4.3
<b>National</b>									
All Students	1,421,941	770,529	41.0	54.2	21.4	7.3	20.9	19.7	1.7
White Non-Hispanic	895,588	464,177	39.6	51.8	22.5	7.4	21.8	20.8	1.7
African American	178,417	86,049	33.0	48.2	16.6	6.5	16.6	15.6	1.0
Hispanic	114,697	71,060	45.7	62.0	18.3	7.1	18.5	16.7	1.6
Asian	51,368	37,359	60.6	72.7	23.1	7.9	22.6	19.4	3.7
Native American	14,380	5,148	24.7	35.8	18.9	6.7	18.5	17.7	1.2
Other/No Response**	167,491	106,736	46.6	63.7	22.2	7.5	21.7	19.4	2.8
Males	625,887	327,613		52.3	20.9	7.0	20.2	15.9	5.0
Females	764,282	421,968		55.2	21.7	7.6	21.3	16.3	5.4
Gender/No Response	31,772	20,948		65.9	23.9	7.9	23.2	16.3	7.6

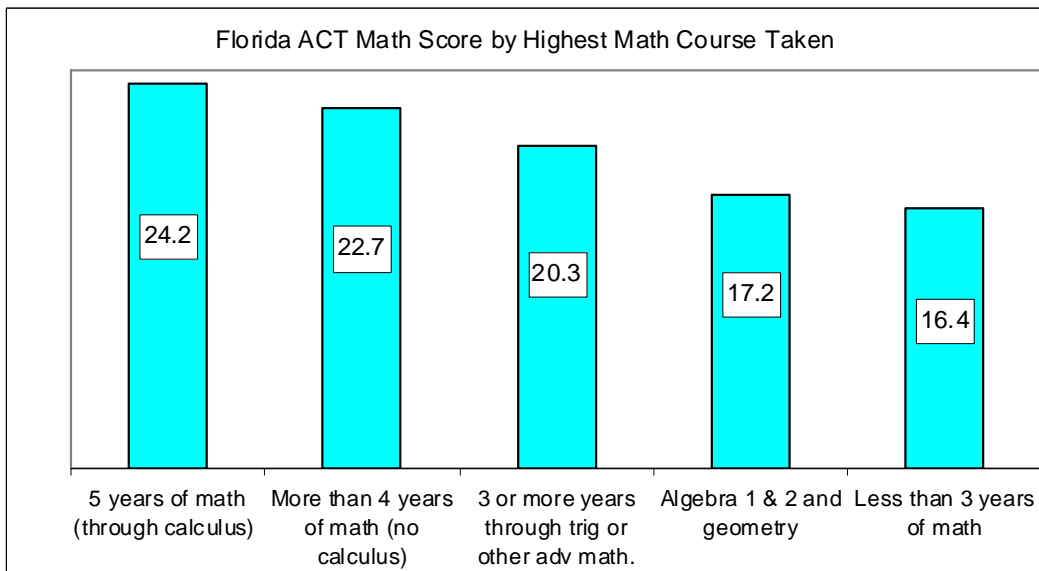
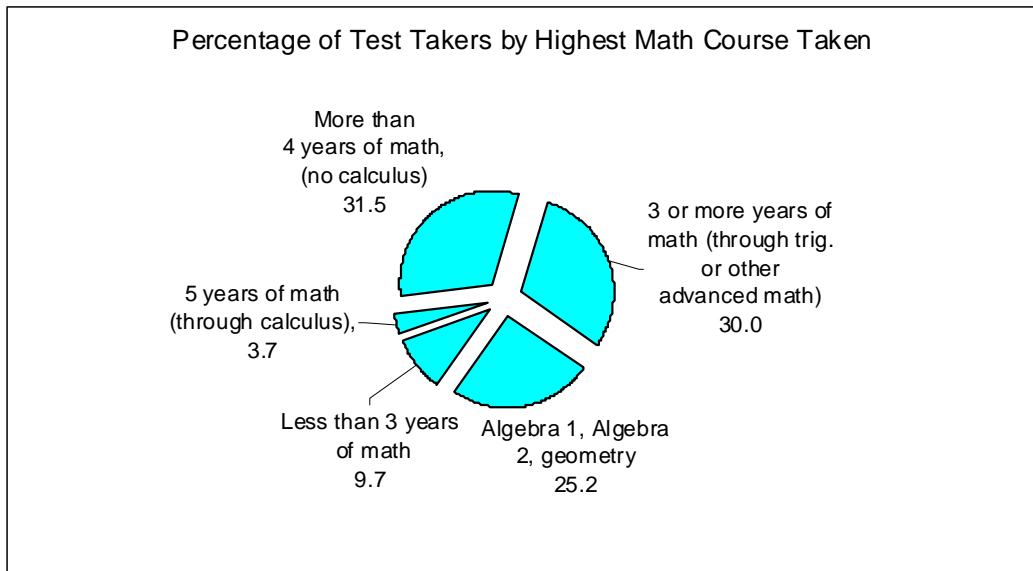
\*Average English score for students who completed the essay section.

\*\*Students who did not indicate racial/ethnicity



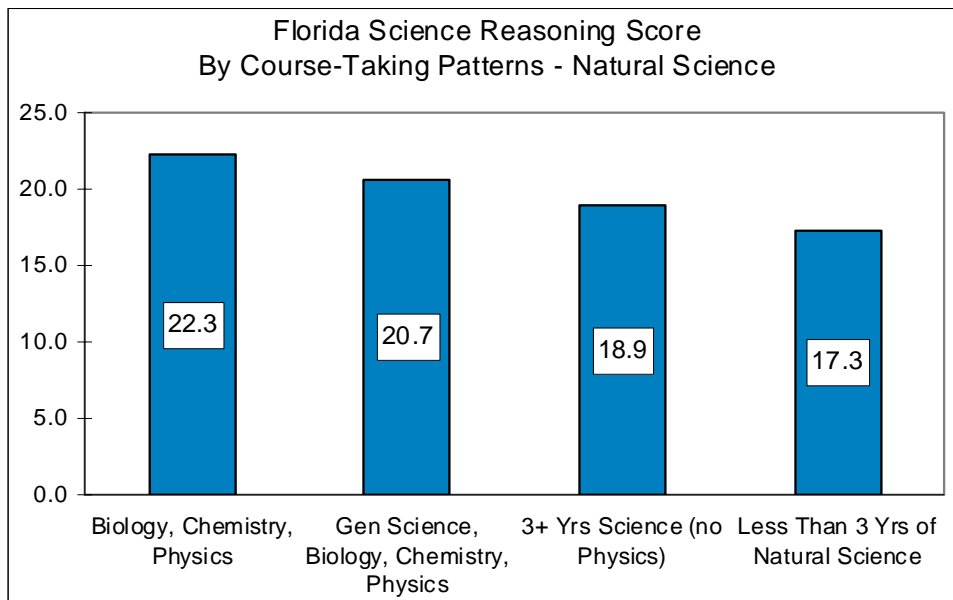
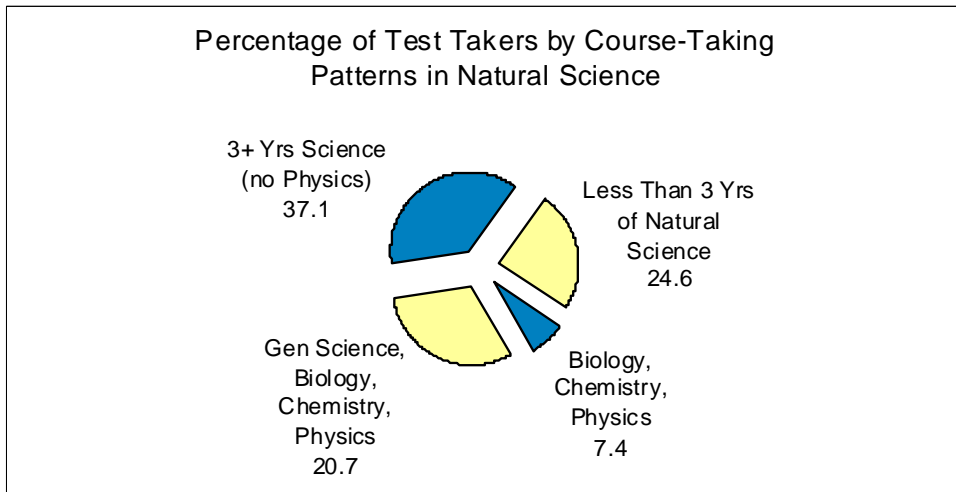
Florida Students - 2008  
ACT Math Scores by Highest Math Course Taken

	# Students	%	ACT Math
5 years of math (through calculus)	3,256	3.7	24.2
More than 4 years of math (no calculus)	27,539	31.5	22.7
3 or more years through trig or other adv math	26,242	30.0	20.3
Algebra 1, Algebra 2, geometry	22,011	25.2	17.2
Less than 3 years of math*	8,468	9.7	16.4
<b>Total responding</b>	<b>87,516</b>	<b>100.0</b>	

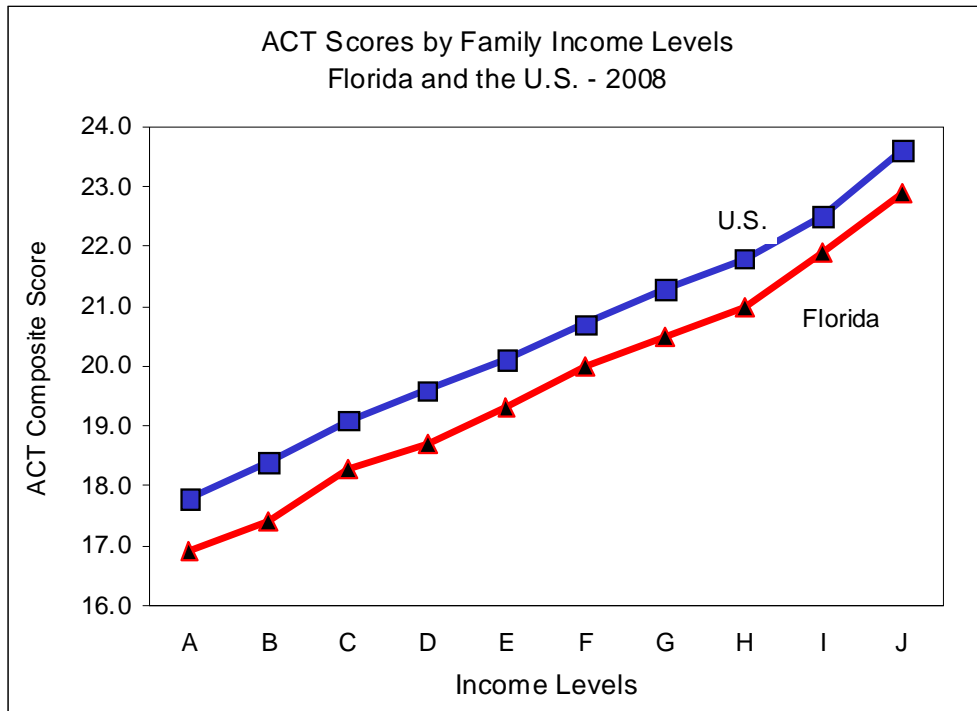


Florida Students - 2008  
ACT Scores by Course-Taking Patterns  
Natural Science

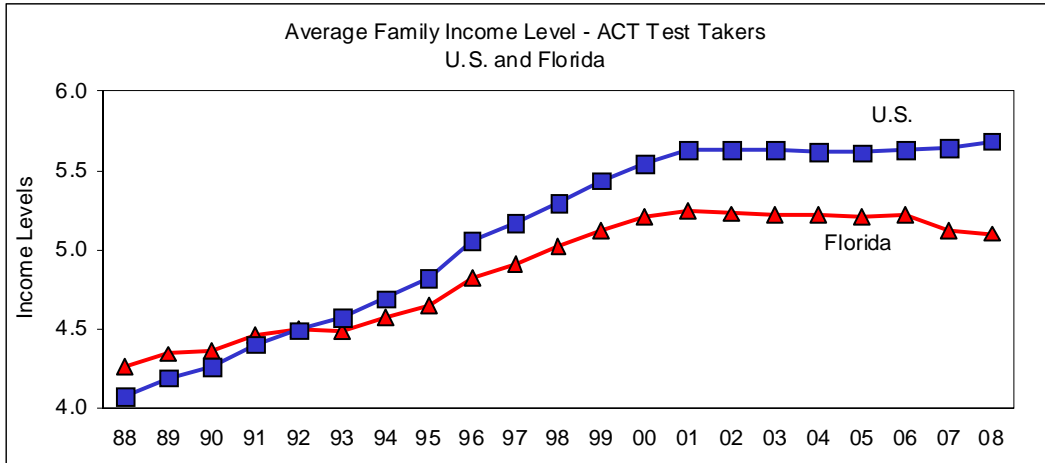
	# Students	%	ACT Science Reasoning
Biology, Chemistry, Physics	6,494	7.4	22.3
Gen Science, Biology, Chemistry, Physics	26,976	30.9	20.7
Three Years or More of Science (no Physics)	32,376	37.1	18.9
Less Than 3 Years of Natural Science	21,442	24.6	17.3
<b>Total Responding</b>	<b>87,288</b>	<b>100.0</b>	



**ACT Scores**  
**by Family Income**



ACT Composite Scores by Income Levels Florida and the U.S. - 2008		Florida	U.S.
A	Less than \$18,000	16.9	17.8
B	\$18,000 to \$23,999	17.4	18.4
C	\$24,000 to \$29,999	18.3	19.1
D	\$30,000 to \$35,999	18.7	19.6
E	\$36,000 to \$41,999	19.3	20.1
F	\$42,000 to \$49,999	20.0	20.7
G	\$50,000 to \$59,999	20.5	21.3
H	\$60,000 to \$79,999	21.0	21.8
I	\$80,000 to \$99,999	21.9	22.5
J	More than \$100,000	22.9	23.6



Percentage of Test Takers by Average Family Income - Florida

	1988	1990	1992	1994	1996		1998	2000	2002	2004	2006	2007	2008
Less than \$18,000	19.6	19.0	18.7	19.2	15.2	Less than \$18,000	13.1	11.7	11.9	12.4	13.3	14.3	14.6
\$18,000 to \$23,999	11.5	11.2	10.6	9.8	10.8	\$18,000 to \$23,999	10.6	9.7	9.7	10.2	10.0	10.4	10.8
\$24,000 to \$29,999	12.1	11.4	10.5	10.2	10.0	\$24,000 to \$29,999	9.5	9.3	9.5	9.0	9.2	9.2	9.2
\$30,000 to \$35,999	12.6	12.7	12.0	11.6	10.1	\$30,000 to \$35,999	8.7	8.5	8.2	8.1	7.9	7.9	7.7
\$36,000 to \$41,999	9.5	9.5	9.0	8.6	9.0	\$36,000 to \$41,999	9.3	9.2	8.7	8.1	7.4	7.7	7.5
\$42,000 to \$49,999	9.6	9.2	9.3	8.9	9.8	\$42,000 to \$49,999	10.7	10.2	9.6	9.1	8.2	8.1	7.6
\$50,000 to \$59,999	8.6	9.0	9.2	9.0	9.8	\$50,000 to \$59,999	10.4	10.7	10.3	9.8	9.1	8.5	8.1
\$60,000 and over	16.5	18.0	20.7	22.7	25.3	\$60,000 to \$79,999	12.3	13.6	13.4	12.9	12.6	12.0	11.8
	100.0	100.0	100.0	100.0	100.0	\$80,000 to \$99,999	6.8	8.1	8.4	9.3	9.8	9.8	9.7
						\$100,000 and over	8.6	10.1	10.3	11.1	12.5	12.2	12.9
							100.0	100.0	100.0	100.0	100.0	100.0	100.0
Aver. Income Level	4.26	4.36	4.50	4.57	4.82		5.03	5.21	5.23	5.22	5.22	5.12	5.10

(Level 4=\$30,000-\$35,999; Level 5=\$36,000-\$41,999. Graph shown with the last level=\$60,000 and over)

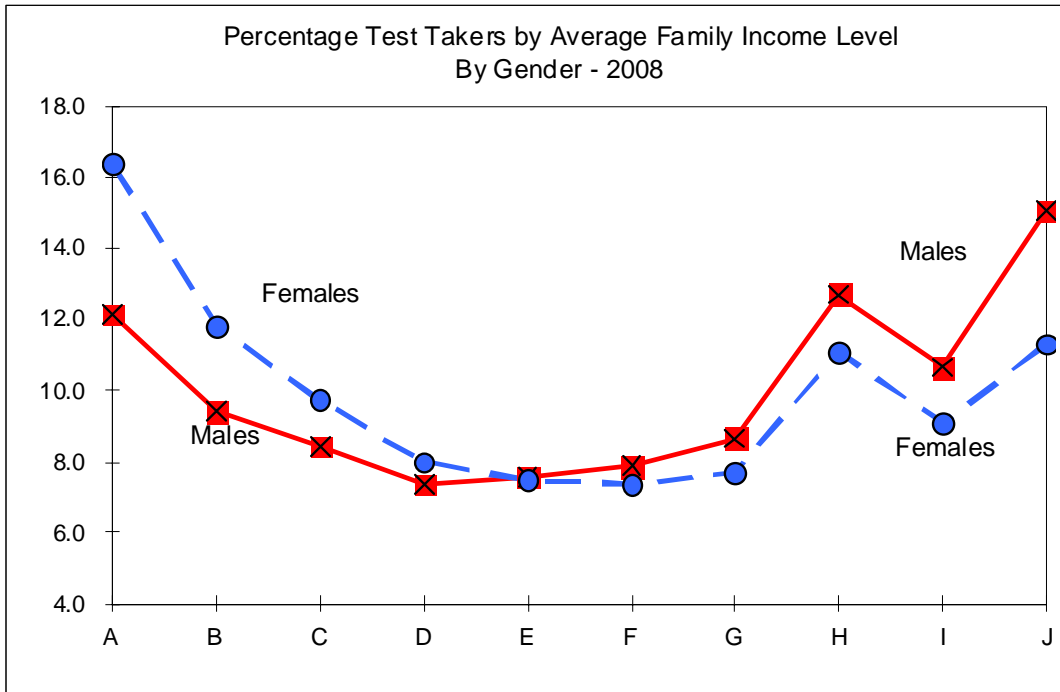
Percentage of Test Takers by Average Family Income Level - Nation

	1988	1990	1992	1994	1996		1998	2000	2002	2004	2006	2007	2008
Less than \$18,000	21.3	19.7	18.5	17.4	12.9	Less than \$18,000	11.0	9.5	9.3	10.0	10.5	10.7	10.3
\$18,000 to \$23,999	11.4	10.8	9.8	8.9	9.1	\$18,000 to \$23,999	8.6	7.9	7.7	8.0	7.9	7.9	8.0
\$24,000 to \$29,999	12.4	11.6	10.5	9.7	9.3	\$24,000 to \$29,999	8.6	7.8	7.6	7.4	7.3	7.2	7.2
\$30,000 to \$35,999	13.8	13.2	12.6	11.9	10.0	\$30,000 to \$35,999	8.6	7.9	7.7	7.3	7.0	7.0	6.9
\$36,000 to \$41,999	10.4	10.3	10.0	9.6	9.8	\$36,000 to \$41,999	9.7	8.9	8.5	8.0	7.6	7.4	7.2
\$42,000 to \$49,999	9.7	10.1	10.1	10.1	11.1	\$42,000 to \$49,999	11.5	10.8	10.0	9.3	8.8	8.5	8.2
\$50,000 to \$59,999	8.1	9.0	9.8	10.3	11.5	\$50,000 to \$59,999	12.3	12.2	11.5	10.9	10.3	10.0	9.6
\$60,000 and over	12.9	15.3	18.7	22.1	26.3	\$60,000 to \$79,999	14.1	15.4	15.6	15.4	15.0	14.8	14.3
	100.0	100.0	100.0	100.0	100.0	\$80,000 to \$99,999	7.4	9.1	10.1	10.7	11.3	11.5	11.9
						\$100,000 and over	8.2	10.4	12.0	13.0	14.2	15.0	16.4
							100.0	100.0	100.0	100.0	100.0	100.0	100.0
Aver. Income Level	4.07	4.26	4.49	4.69	5.06		5.30	5.55	5.63	5.62	5.64	5.65	5.69

(Level 4=\$30,000-\$35,999; Level 5=\$36,000-\$41,999. Graph shown with the last level=\$60,000 and over)

Florida ACT Test Takers by Average Family Income Level  
By Gender - 2008

		Number		Percentage	
		Males	Females	Males	Females
A	Less than \$18,000	3,069	6,151	12.2	16.4
B	\$18,000-\$24,000	2,375	4,441	9.4	11.8
C	\$24,000-\$30,000	2,126	3,655	8.4	9.7
D	\$30,000-\$36,000	1,866	2,998	7.4	8.0
E	\$36,000-\$42,000	1,915	2,804	7.6	7.5
F	\$42,000-\$50,000	1,988	2,768	7.9	7.4
G	\$50,000-\$60,000	2,188	2,889	8.7	7.7
H	\$60,000-\$80,000	3,212	4,165	12.7	11.1
I	\$80,000-\$100,000	2,693	3,406	10.7	9.1
J	More than \$100,000	3,814	4,249	15.1	11.3
	Total Responding	25,246	37,526	100.0	100.0



**ACT Scores**  
**by Racial/Ethnic Groups**

2008 ACT Composite Scores by Racial/Ethnic Groups  
Florida and the Nation

Racial/Ethnic Groups	Florida		U.S.		Difference*	
	%	Score	%	Score	%	Score
White	47.0	21.6	68.3	22.1	-21.3	-0.5
African American	22.9	16.4	13.6	16.9	9.3	-0.5
Hispanic	20.8	18.8	8.8	18.7	12.0	0.1
Asian	3.4	21.9	3.9	22.9	-0.6	-1.0
Native American	0.4	20.3	1.1	19.0	-0.7	1.3
Other	2.8	18.5	2.0	19.7	0.8	-1.2
Multiracial	2.7	20.2	2.3	20.9	0.5	-0.7
Total Responded**	100.0	19.7	100.0	21.0	0.0	-1.3
Nonrespondents	6.2	21.3	7.8	22.3	-1.7	-1.1
Total		19.8		21.1		-1.3

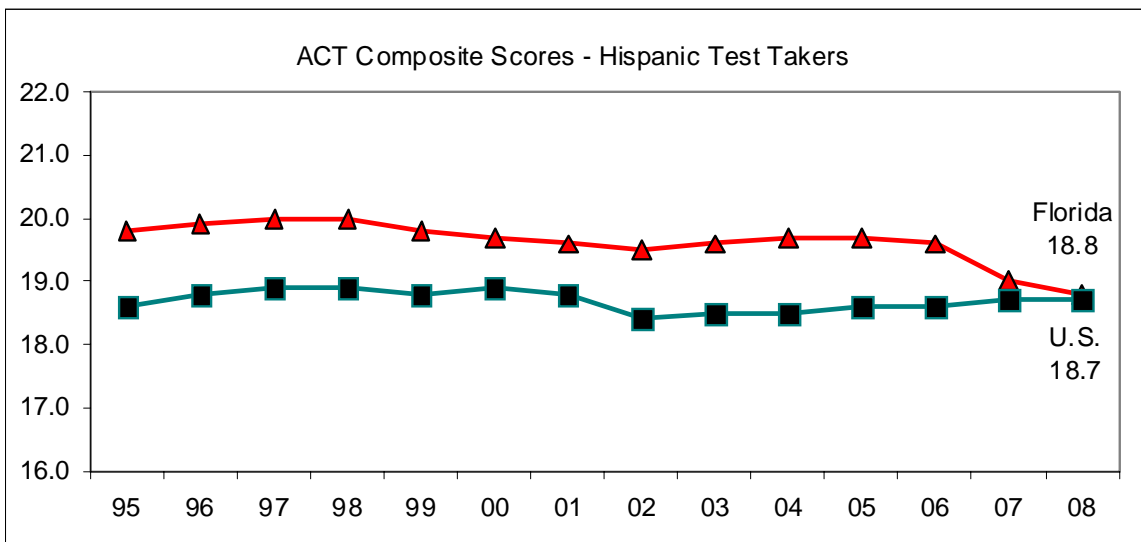
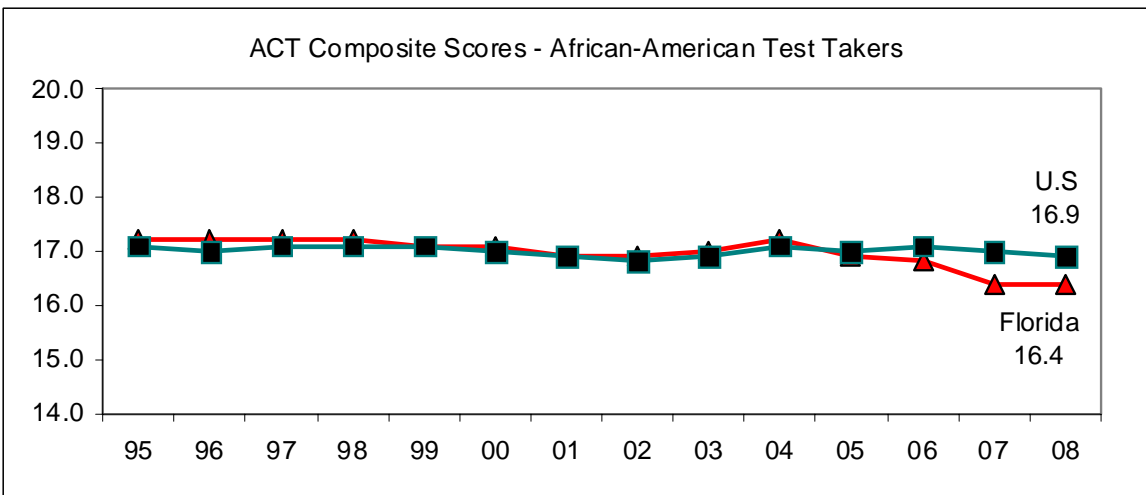
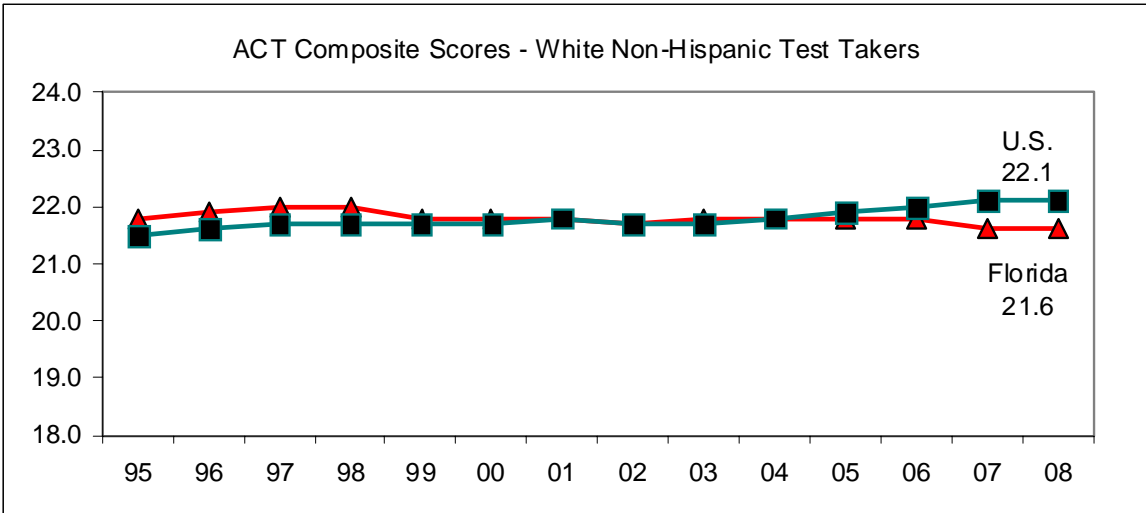
\*Positive values: Florida is higher than the U.S.

\*\*Total number of students who responded to the questionnaire item asking them to categorize themselves by race-ethnicity

ACT Composite Score by Academic Preparation  
By Racial/Ethnic Groups - Florida - 2008\*

Racial/Ethnic Groups	Number		Percentage		Composite	
	Core	Less than Core	Core	Less than Core	Core	Less than Core
White	27,073	11,633	69.9	30.1	22.4	19.8
African American	11,112	7,284	60.4	39.6	17.3	15.4
Hispanic	11,999	4,995	70.6	29.4	19.8	16.9
Asian	2,273	578	79.7	20.3	22.4	20.2

\*Does not include test takers who did not report information on courses they had taken.

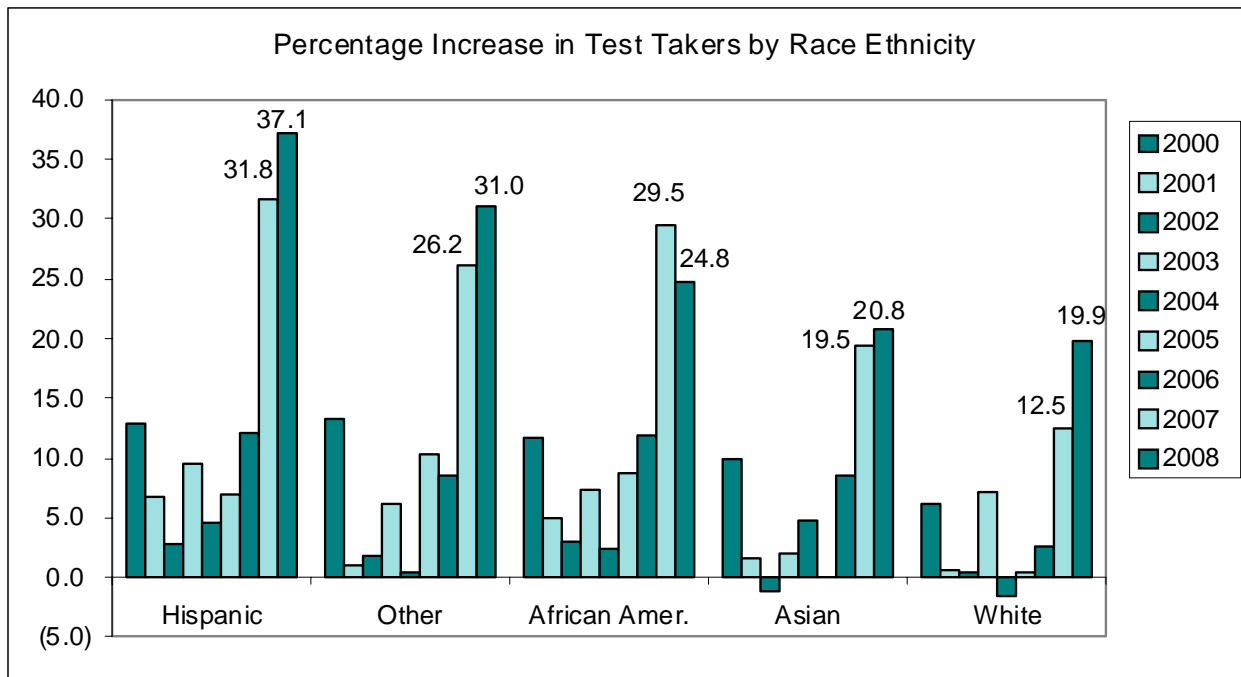


### Number of ACT Test Takers by Racial-Ethnic Group

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Hispanic	5,954	6,720	7,172	7,377	8,073	8,438	9,027	10,120	13,335	18,288
Other	2,104	2,385	2,408	2,452	2,603	2,615	2,887	3,135	3,955	5,183
African Amer.	7,751	8,664	9,090	9,357	10,054	10,289	11,186	12,509	16,197	20,215
Asian	1,607	1,766	1,795	1,775	1,811	1,896	1,895	2,056	2,456	2,967
White	26,291	27,909	28,100	28,240	30,275	29,829	29,955	30,719	34,557	41,431

	Difference									
	2000	2001	2002	2003	2004	2005	2006	2007	2008	
Hispanic		766	452	205	696	365	589	1,093	3,215	4,953
Other		281	23	44	151	12	272	248	820	1,228
African Amer.		913	426	267	697	235	897	1,323	3,688	4,018
Asian		159	29	(20)	36	85	(1)	161	400	511
White		1,618	191	140	2,035	(446)	126	764	3,838	6,874

	Percentage Difference									
	2000	2001	2002	2003	2004	2005	2006	2007	2008	
Hispanic		12.9	6.7	2.9	9.4	4.5	7.0	12.1	31.8	37.1
Other		13.4	1.0	1.8	6.2	0.5	10.4	8.6	26.2	31.0
African Amer.		11.8	4.9	2.9	7.4	2.3	8.7	11.8	29.5	24.8
Asian		9.9	1.6	(1.1)	2.0	4.7	(0.1)	8.5	19.5	20.8
White		6.2	0.7	0.5	7.2	(1.5)	0.4	2.6	12.5	19.9



Florida  
ACT Scores by Racial-Ethnic Groups  
1987-2008

	1987	1992	1994	1996	1998	2000	2002	2004	2005	2006	2007	2008
<b>WHITE</b>												
# of Test Takers	17,902	19,605	19,327	19,971	24,412	27,909	28,240	29,829	29,955	30,719	34,557	41,431
Composite Score	21.8	21.6	21.8	21.9	21.7	21.8	21.7	21.8	21.8	21.8	21.6	21.6
Percentage	74.6	66.8	64.6	61.6	60.3	58.8	57.4	56.2	54.5	52.5	49.0	47.0
<b>AFRICAN-AMERICAN</b>												
# of Test Takers	3,062	4,518	4,754	5,379	7,219	8,664	9,357	10,289	11,186	12,509	16,197	20,215
Composite Score	16.9	17.2	17.1	17.1	17.2	17.1	16.9	17.2	16.9	16.8	16.4	16.4
Percentage	12.8	15.3	15.9	16.6	17.8	18.3	19.0	19.4	20.4	21.4	23.0	22.9
<b>HISPANIC</b>												
# of Test Takers	1,772	3,205	3,659	4,244	5,191	6,720	7,377	8,438	9,027	10,120	13,335	18,288
Composite Score	20.3	20.1	19.8	19.9	20.0	19.7	19.5	19.7	19.7	19.6	19.0	18.8
Percentage	7.4	10.9	12.2	13.1	12.8	14.2	15.0	15.9	16.4	17.3	18.9	20.8
<b>ASIAN</b>												
# of Test Takers	528	1,108	1,205	1,424	1,637	1,766	1,775	1,896	1,895	2,056	2,456	2,967
Composite Score	21.9	21.7	22.1	21.6	21.8	21.7	21.5	21.8	22.0	21.7	21.7	21.9
Percentage	2.2	3.8	4.0	4.4	4.0	3.7	3.6	3.6	3.4	3.5	3.5	3.4
<b>OTHER*</b>												
# of Test Takers	728	934	996	1,428	2,025	2,385	2,452	2,615	2,887	3,135	3,955	5,183
Composite Score	N/A	19.7	19.5	19.7	19.9	19.8	19.6	20.0	20.0	19.9	19.3	19.4
Percentage	3.0	3.2	3.3	4.4	5.0	5.0	5.0	4.9	5.3	5.4	5.6	5.9
<b>TOTAL RESPONDED**</b>												
# of Test Takers	23,992	29,370	29,941	32,446	40,484	47,444	49,201	53,067	54,950	58,539	70,500	88,084
Composite Score	21.0	20.7	20.8	20.7	20.6	20.5	20.5	20.4	20.4	20.2	19.8	19.7
Percentage	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>NO RESPONSE</b>												
# of Test Takers	3,294	4,537	4,587	3,818	2,895	2,484	2,734	3,364	3,352	7,760	11,027	5,800
Composite Score	N/A	20.4	20.6	20.3	21.1	21.2	21.1	21.3	21.6	20.8	20.8	21.3
Percentage	12.4	13.6	13.3	11.8	6.7	5.0	5.3	6.0	5.7	11.7	13.5	6.2
<b>TOTAL ***</b>												
Composite Score	20.9	20.7	20.5	20.6	20.8	20.6	20.4	20.5	20.4	20.3	19.9	19.8

\*Includes Native Americans, Multiracial, and Other Races.

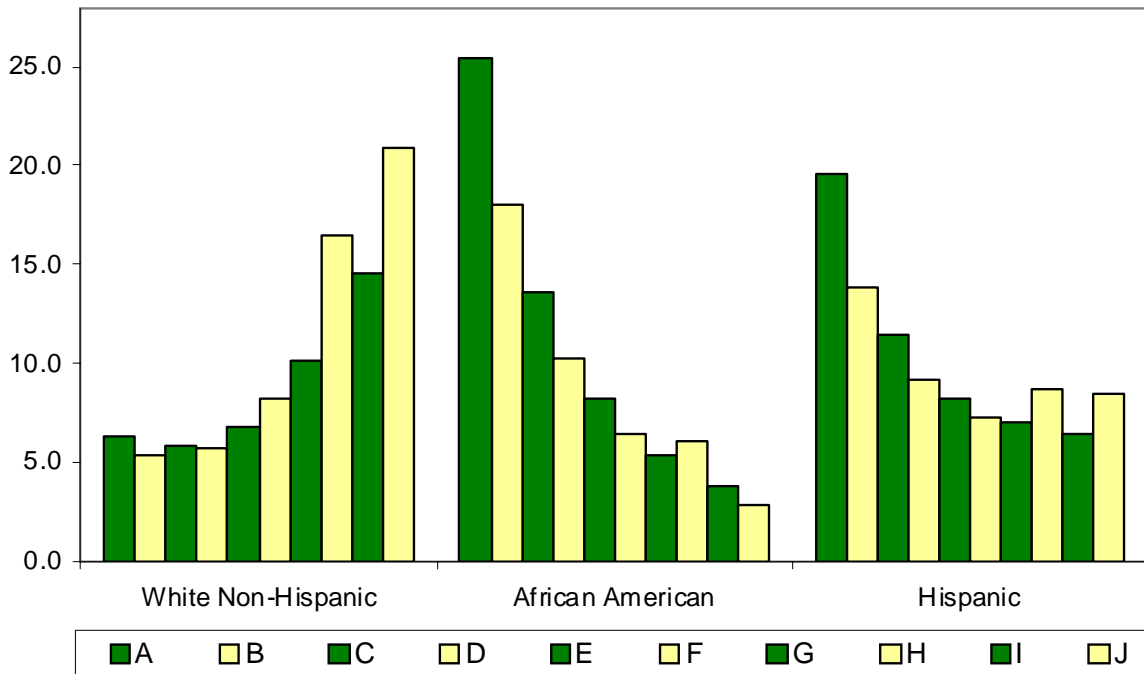
\*\*Total number of students who responded to the questionnaire item asking them to categorize themselves by race-ethnicity.

\*\*\*Includes nonrespondents.

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

		Number			Percentage		
		White	African American	Hispanic	White	African American	Hispanic
A	Less than \$18,000	1,755	3,790	2,490	6.3	25.4	19.6
B	\$18,000-\$24,000	1,468	2,692	1,767	5.3	18.0	13.9
C	\$24,000-\$30,000	1,603	2,036	1,462	5.8	13.6	11.5
D	\$30,000-\$36,000	1,567	1,527	1,158	5.7	10.2	9.1
E	\$36,000-\$42,000	1,858	1,231	1,045	6.7	8.2	8.2
F	\$42,000-\$50,000	2,273	963	929	8.2	6.4	7.3
G	\$50,000-\$60,000	2,788	802	885	10.1	5.4	7.0
H	\$60,000-\$80,000	4,565	896	1,103	16.5	6.0	8.7
I	\$80,000-\$100,000	4,016	569	815	14.5	3.8	6.4
J	More than \$100,000	5,778	426	1,069	20.9	2.9	8.4
Total Responding		27,671	14,932	12,723	100.0	100.0	100.0

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

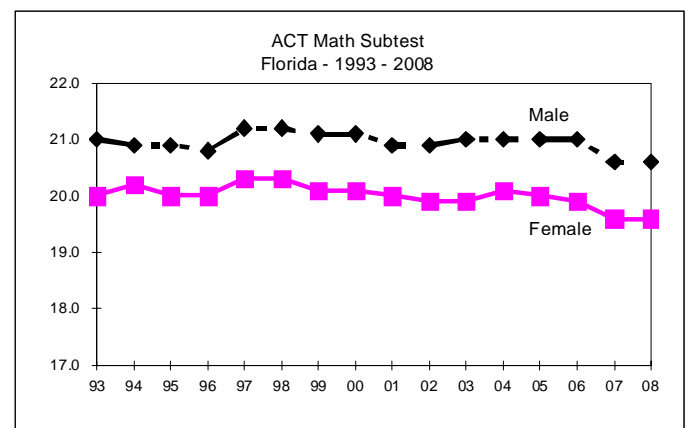
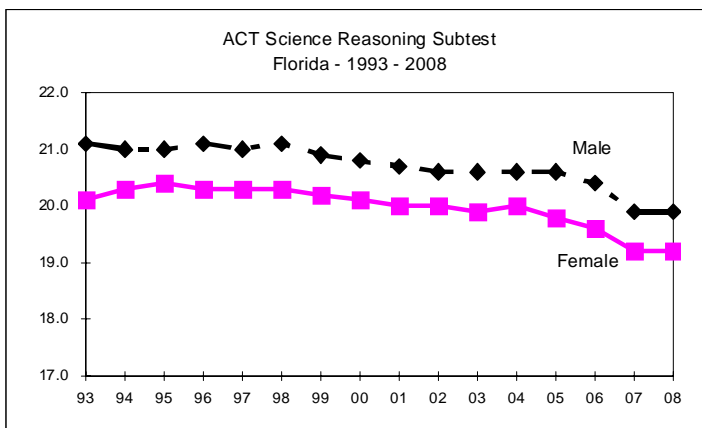
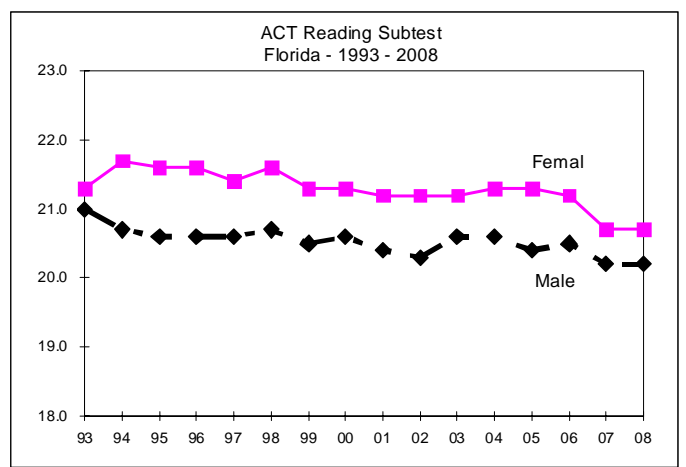
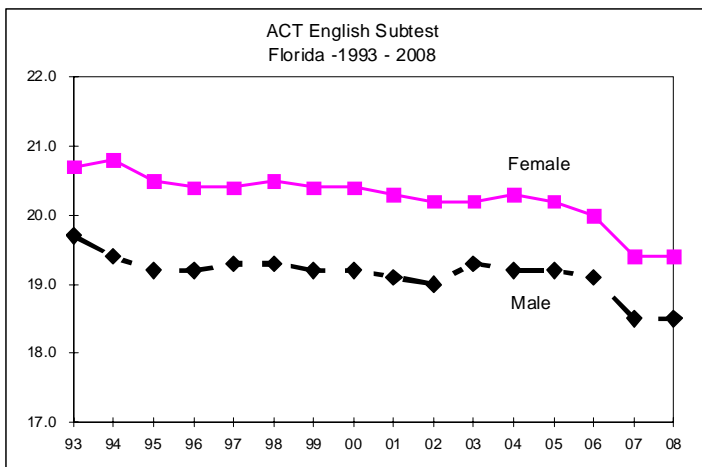
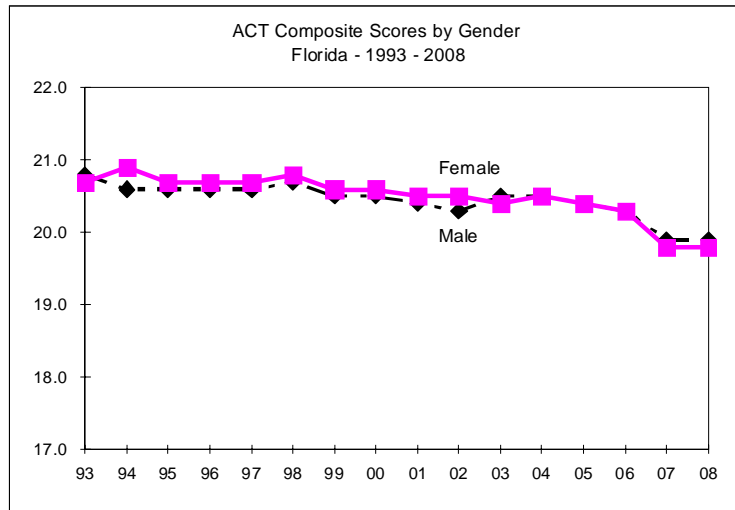


**ACT Scores**

**by Gender**

Florida and U.S. ACT Composite Scores by Gender  
1992 - 2008

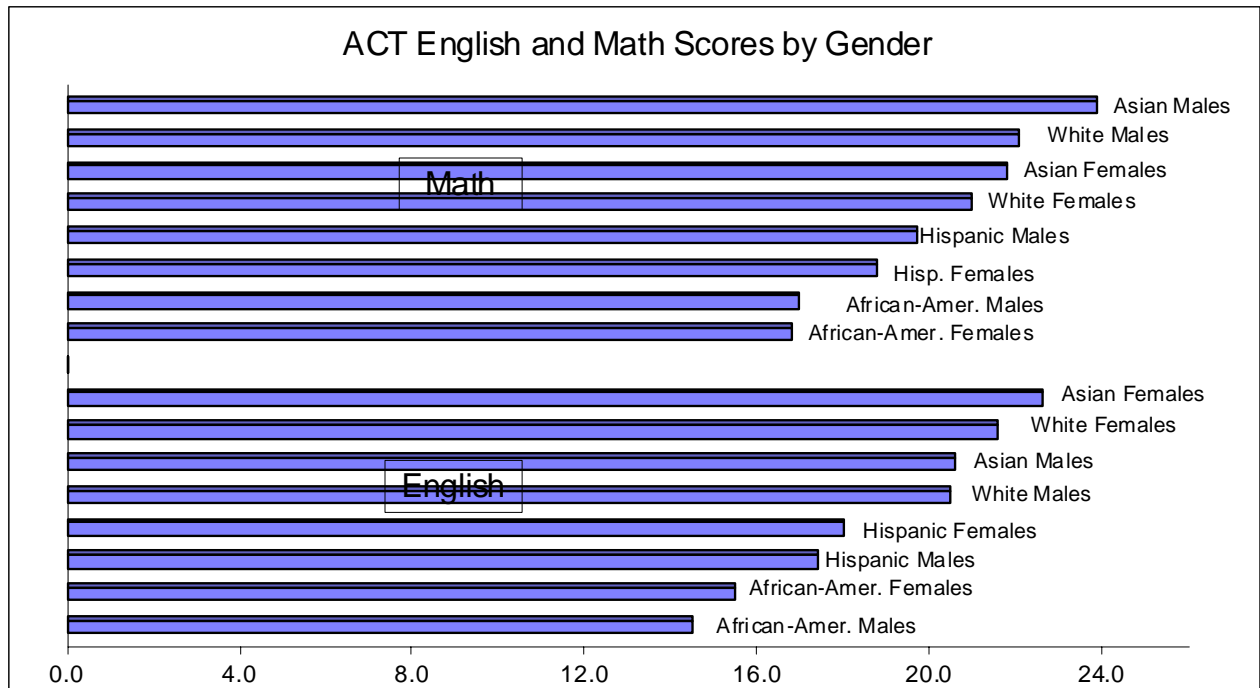
	1992	1994	1996	1998	2000	2002	2004	2006	2007	2008	Difference 2007-2008
<b>FLORIDA</b>											
<b>Males</b>											
English	19.6	19.4	19.2	19.3	19.2	19.0	19.2	19.1	18.5	18.5	0.0
Math	20.9	20.9	20.8	21.2	21.1	20.9	21.0	21.0	20.6	20.5	-0.1
Reading	21.0	20.7	20.6	20.7	20.6	20.3	20.6	20.5	20.2	20.0	-0.2
Sci Reasoning	21.0	21.0	21.1	21.1	20.8	20.6	20.6	20.4	19.9	19.6	-0.3
Composite	20.7	20.6	20.6	20.7	20.5	20.3	20.5	20.3	19.9	19.8	-0.1
N	14,302	14,536	15,332	17,799	19,556	20,190	21,836	24,944	30,644	37,924	7,280
%	43.0	42.1	42.3	41.0	39.4	39.3	39.1	40.2	41.1	41.3	0.2
<b>Females</b>											
English	20.8	20.8	20.4	20.5	20.4	20.2	20.3	20.0	19.4	19.3	-0.1
Math	20.0	20.2	20.0	20.3	20.1	19.9	20.1	19.9	19.6	19.6	0.0
Reading	21.3	21.7	21.6	21.6	21.3	21.2	21.3	21.2	20.7	20.4	-0.3
Sci Reasoning	20.0	20.3	20.3	20.3	20.1	20.0	20.0	19.6	19.2	19.0	-0.2
Composite	20.6	20.9	20.7	20.8	20.6	20.5	20.5	20.3	19.8	19.7	-0.1
N	18,981	19,992	20,932	25,580	30,062	31,176	33,952	37,139	43,970	54,010	10,040
%	57.0	57.9	57.7	59.0	60.6	60.7	60.9	59.8	58.9	58.7	-0.2
<b>U.S.</b>											
<b>Males</b>											
English	19.8	19.8	19.8	19.9	20.0	19.7	19.9	20.1	20.2	20.1	-0.1
Math	20.7	20.8	20.9	21.5	21.4	21.2	21.3	21.5	21.6	21.6	0.0
Reading	21.1	21.1	21.0	21.1	21.2	20.9	21.1	21.1	21.2	21.2	0.0
Sci Reasoning	21.4	21.6	21.9	21.8	21.6	21.3	21.3	21.4	21.4	21.3	-0.1
Composite	20.9	20.9	21.0	21.2	21.2	20.9	21.0	21.2	21.2	21.2	0.0
N	374,389	396,953	407,587	430,724	455,817	485,797	508,835	517,452	544,522	625,887	81,365
%	45.0	44.5	44.1	43.3	43.0	43.8	43.8	43.9	44.7	45.0	0.34
<b>Females</b>											
English	20.6	20.7	20.7	20.8	20.9	20.6	20.8	21.0	21.0	21.0	0.0
Math	19.5	19.6	19.7	20.2	20.2	20.1	20.2	20.3	20.4	20.4	0.0
Reading	21.1	21.4	21.6	21.6	21.5	21.3	21.5	21.6	21.6	21.5	-0.1
Sci Reasoning	20.1	20.4	20.5	20.6	20.6	20.4	20.5	20.5	20.5	20.4	-0.1
Composite	20.5	20.7	20.8	20.9	20.9	20.7	20.9	21.0	21.0	21.0	0.0
N	457,833	494,761	517,076	564,315	604,646	623,128	653,158	660,870	674,636	764,282	89,646
%	55.0	55.5	55.9	56.7	57.0	56.2	56.2	56.1	55.3	55.0	-0.36



## Florida ACT Scores by Gender and Racial-Ethnic Groups

	Males				Females				% Female	Score Difference (Male - Female)		
	Number	Eng.	Math	Comp.	Number	Eng.	Math	Comp.		Eng.	Math	Comp.
<b>2005</b>												
White	11,883	20.7	22.2	21.8	17,838	21.9	21.0	21.8	60.0	-1.2	1.1	0.0
African-Amer.	4,256	14.8	17.2	16.4	6,849	16.4	17.2	17.2	61.7	-1.6	0.0	-0.8
Hispanic	3,186	18.7	20.6	20.0	5,751	19.0	19.3	19.5	64.4	-0.3	1.3	0.5
Asian	764	20.2	23.4	21.9	1,113	21.5	22.4	22.0	59.3	-1.3	1.1	-0.1
Total*	22,591	19.2	21.0	20.4	35,028	20.2	20.0	20.4	60.8	-1.0	1.0	0.0
<b>2006</b>												
White	12,570	20.8	22.3	21.9	17,936	21.9	21.1	21.8	58.8	-1.1	1.2	0.1
African-Amer.	4,824	14.7	17.2	16.3	7,635	16.1	17.0	17.0	61.3	-1.4	0.2	-0.7
Hispanic	3,750	18.3	20.6	19.7	6,293	18.9	19.3	19.4	62.7	-0.6	1.3	0.3
Asian	831	20.3	23.7	21.9	1,208	21.0	22.3	21.6	59.2	-0.7	1.4	0.3
Total*	24,944	19.1	21.0	20.3	37,139	20.0	19.9	20.3	59.8	-0.9	1.1	0.0
<b>2007</b>												
White	14,462	20.5	22.0	21.6	19,896	21.6	20.9	21.6	57.9	-1.1	1.1	0.0
African-Amer.	6,485	14.2	17.1	16.1	9,645	15.4	16.9	16.6	59.8	-1.2	0.2	-0.5
Hispanic	5,115	17.7	20.1	19.2	8,140	18.0	18.9	19.5	61.4	-0.3	1.2	-0.3
Asian	1,046	19.9	23.2	21.6	1,392	21.1	22.5	21.8	57.1	-1.2	0.7	-0.2
Total*	30,644	18.5	20.6	19.9	43,970	19.4	19.6	19.8	58.9	-0.9	1.0	0.1
<b>2008</b>												
White	17,447	20.5	22.1	21.6	23,868	21.6	21.0	21.5	57.8	-1.1	1.1	0.1
African-Amer.	8,195	14.5	17.0	16.1	11,977	15.5	16.8	16.6	59.4	-1.0	0.2	-0.5
Hispanic	7,147	17.4	19.7	18.9	11,099	18.0	18.8	18.7	60.8	-0.6	0.9	0.2
Asian	1,311	20.6	23.9	22.1	1,648	21.4	22.6	21.8	55.7	-0.8	1.3	0.3
Total*	37,924	18.5	20.5	19.8	54,010	19.3	19.6	19.7	58.7	-0.8	0.9	0.1

\*Total includes other racial/ethnic groups and students who did not declare a race. Does not include those who did not indicate gender





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