



REALIZING THE DREAM: Using Data to Increase Achievement

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African American Students

- African American are one of the largest minority groups in the United States, and continue to have a growing population.
- Overall, African Americans are less likely to enroll in college than students of other ethnicities.
- African American students have been found to be at a disadvantage in terms of post-secondary access and degree attainment.

African American Students

- African American students, on average, do not perform at the same level as students of ethnic groups even when income and parental education are taken into account.
- African American students need access to programs and initiatives that will increase their achievement and open up opportunities for college success.
- By using data, it is possible to develop methods for schools and communities to increase the achievement of African American and all students.

The Numbers – Nation

- In 2007, nearly 1.5 million students graduated having taken the SAT®
- When students register to take the SAT, they are asked to fill out a 42-item questionnaire
- About 75% of students who took AP also filled out the SAT questionnaire

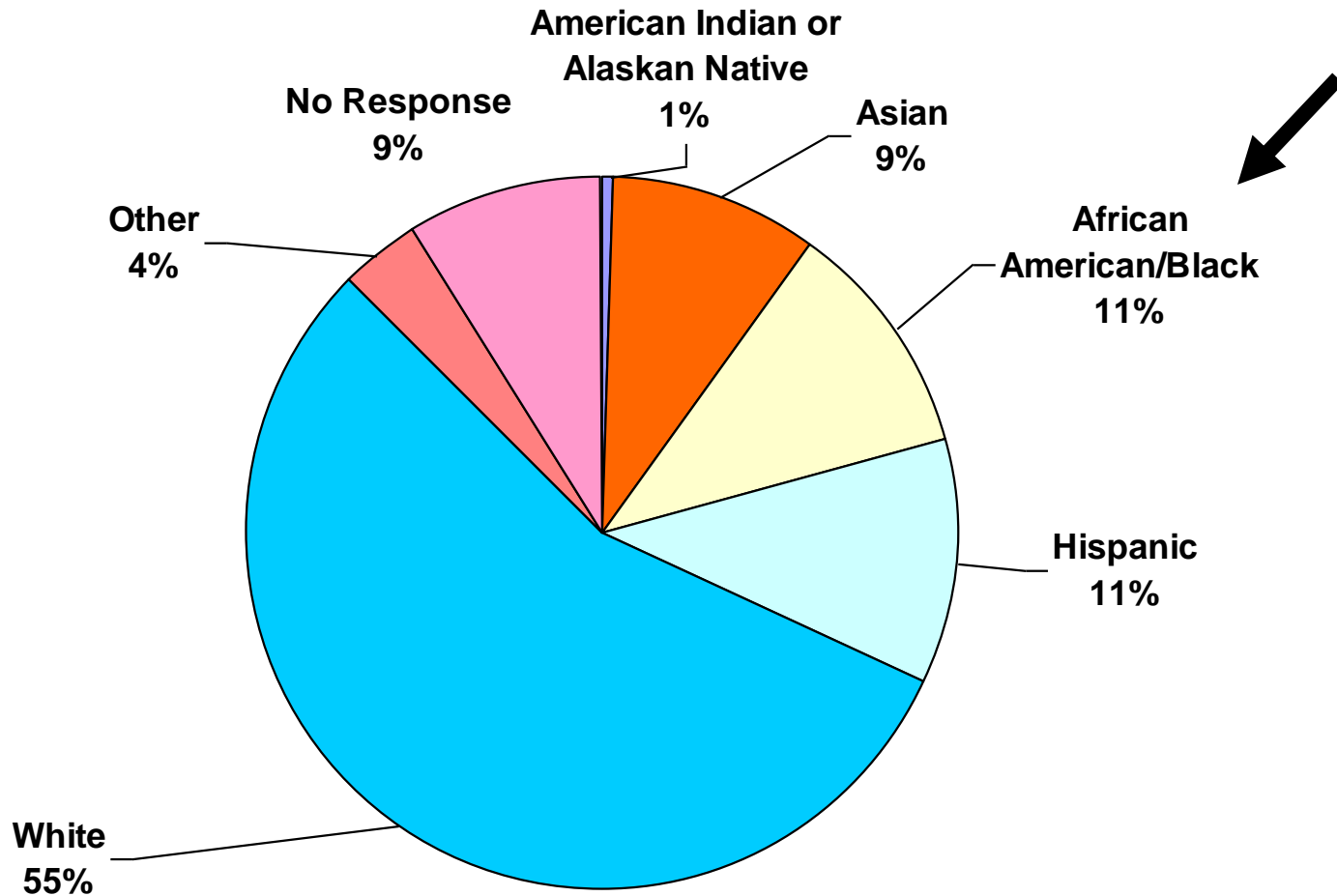
The Population & The Instrument

- The SAT is primarily taken by juniors and seniors in high school
- The SAT is a test that measures critical reading, math, and writing
- The SAT questionnaire includes questions about:
 - demographic information
 - high school coursework and activities, and
 - college preferences and aspirations

Overview of Students in the 2007 SAT[®] Cohort

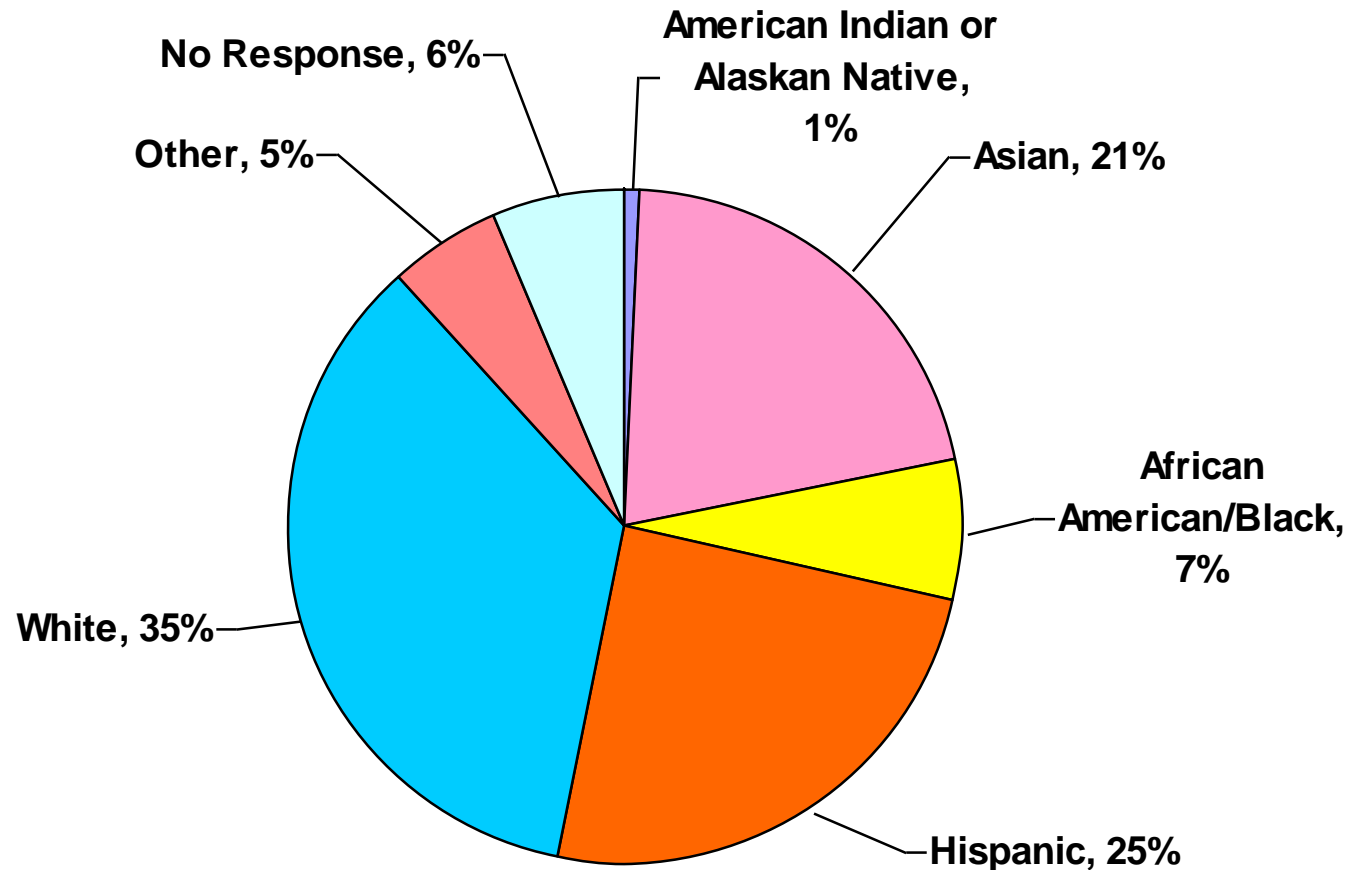
- Description of First Generation Students
 - Size and Growth
 - Gender
 - Ethnicity
 - Income
- Academic Preparation, College Plans and Aspirations
 - SAT Mean Scores
 - Degree Level Goals
 - Core Curriculum
 - Rigorous Math and Science Courses
 - College Location Choice
 - Housing Plans
 - Plans to Work Part Time

Students in the 2007 SAT[®] Cohort by Ethnicity



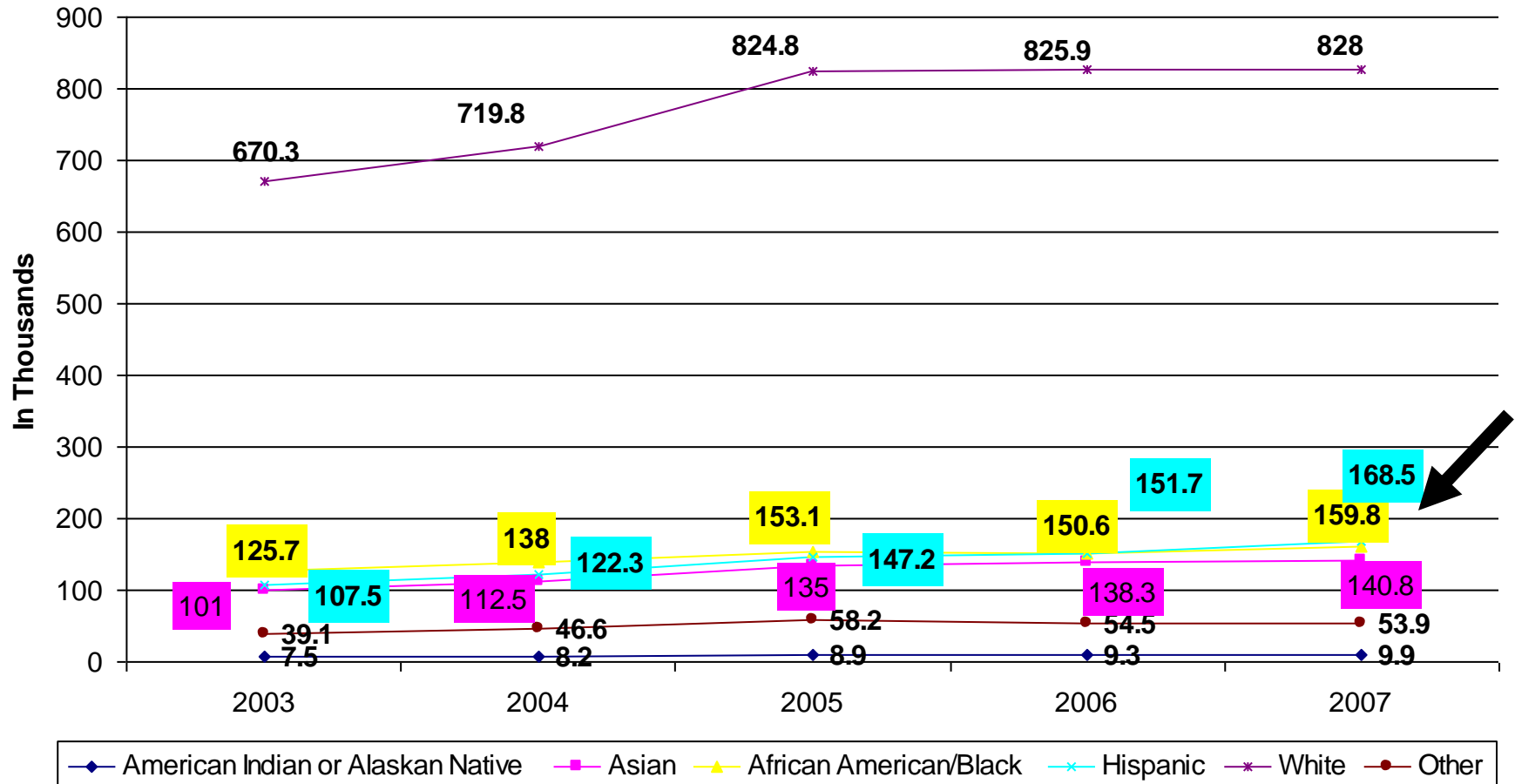
■ American Indian or Alaskan Native ■ Asian ■ African American/Black ■ Hispanic ■ White ■ Other ■ No Response

California: Students in the 2007 SAT[®] Cohort by Ethnicity

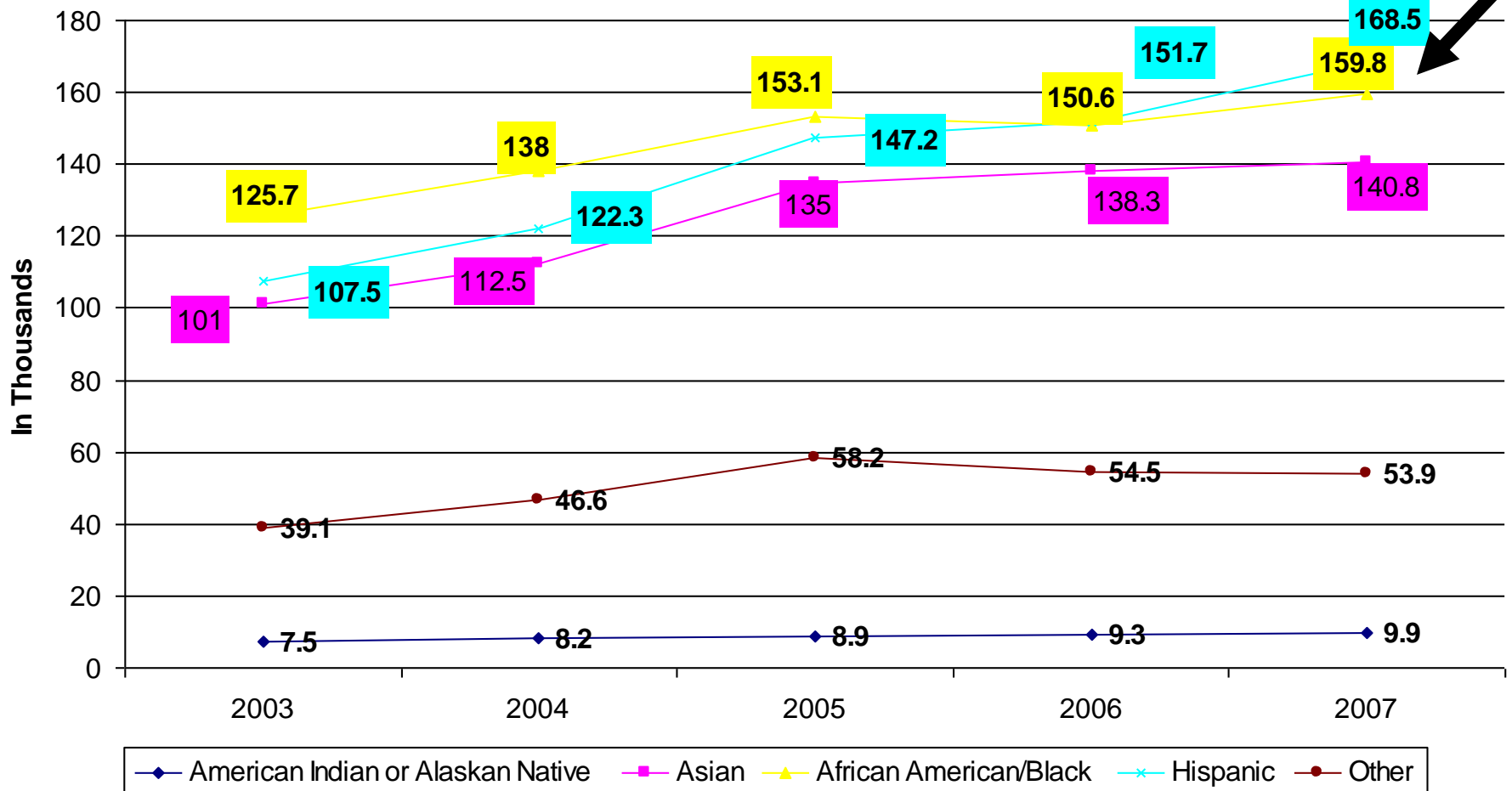


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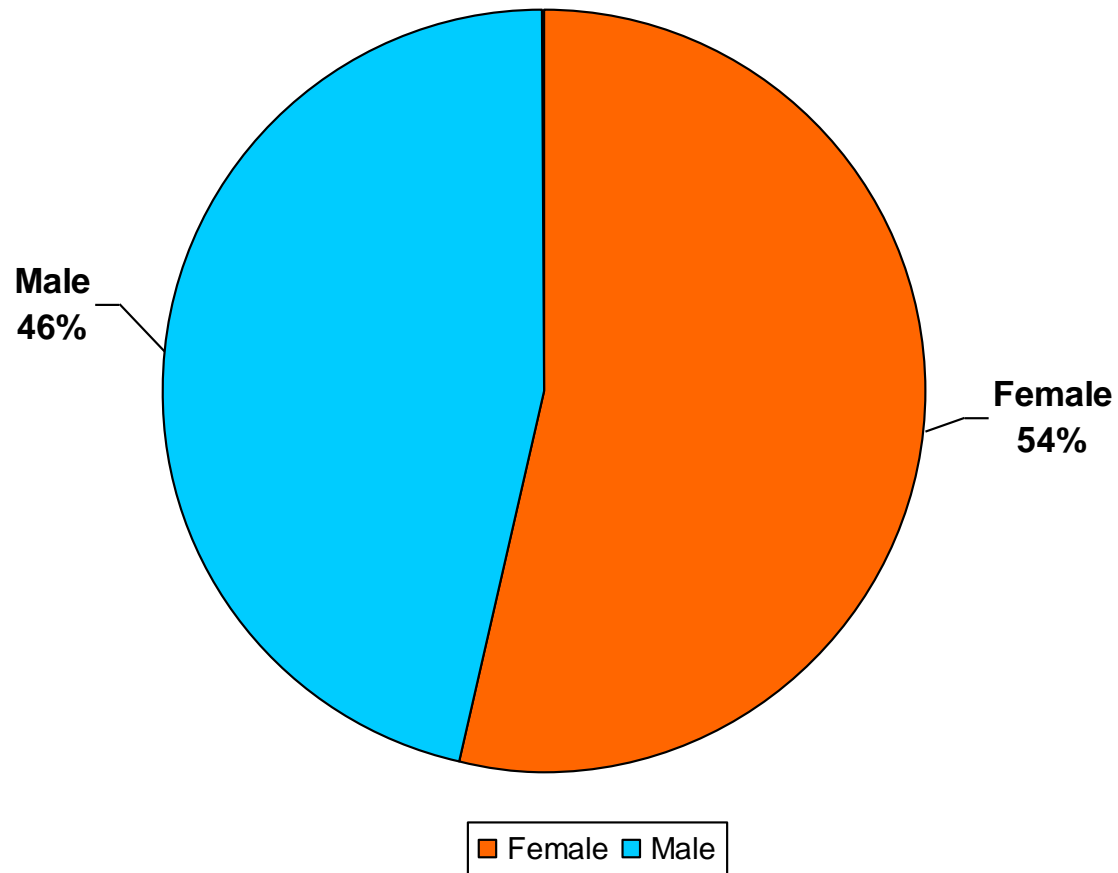
Students in the SAT[®] Cohort by Ethnicity 2003-2007



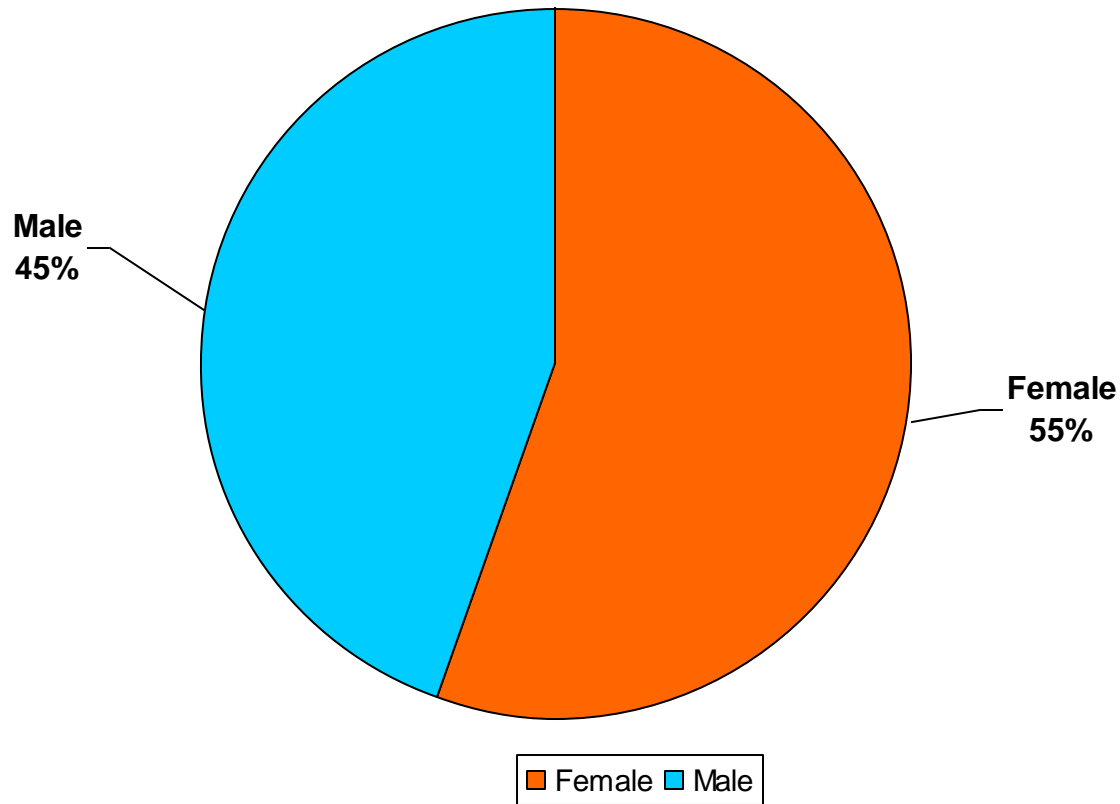
Students in the SAT[®] Cohort by Ethnicity 2003-2007



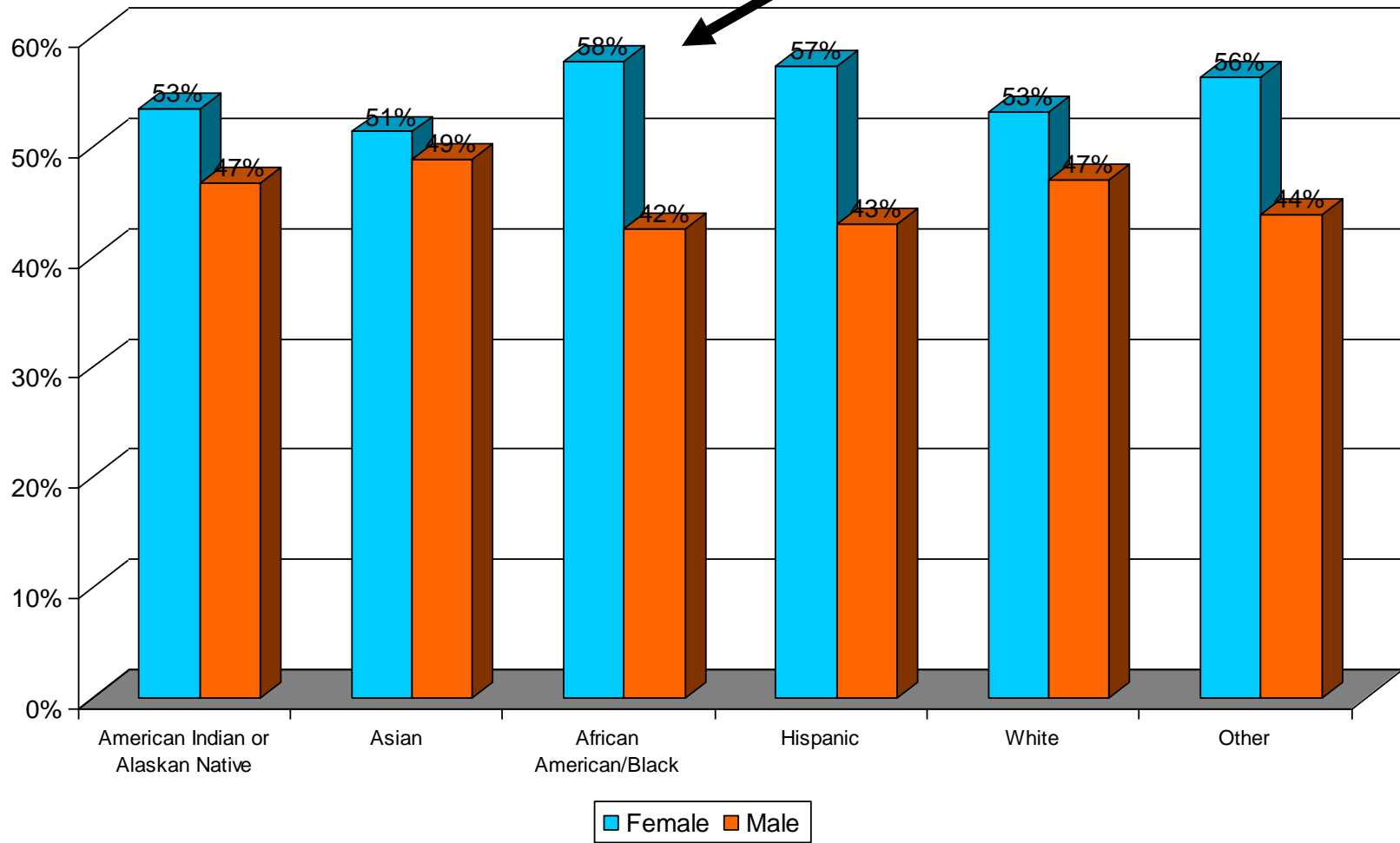
Students in the 2007 SAT[®] Cohort by Gender



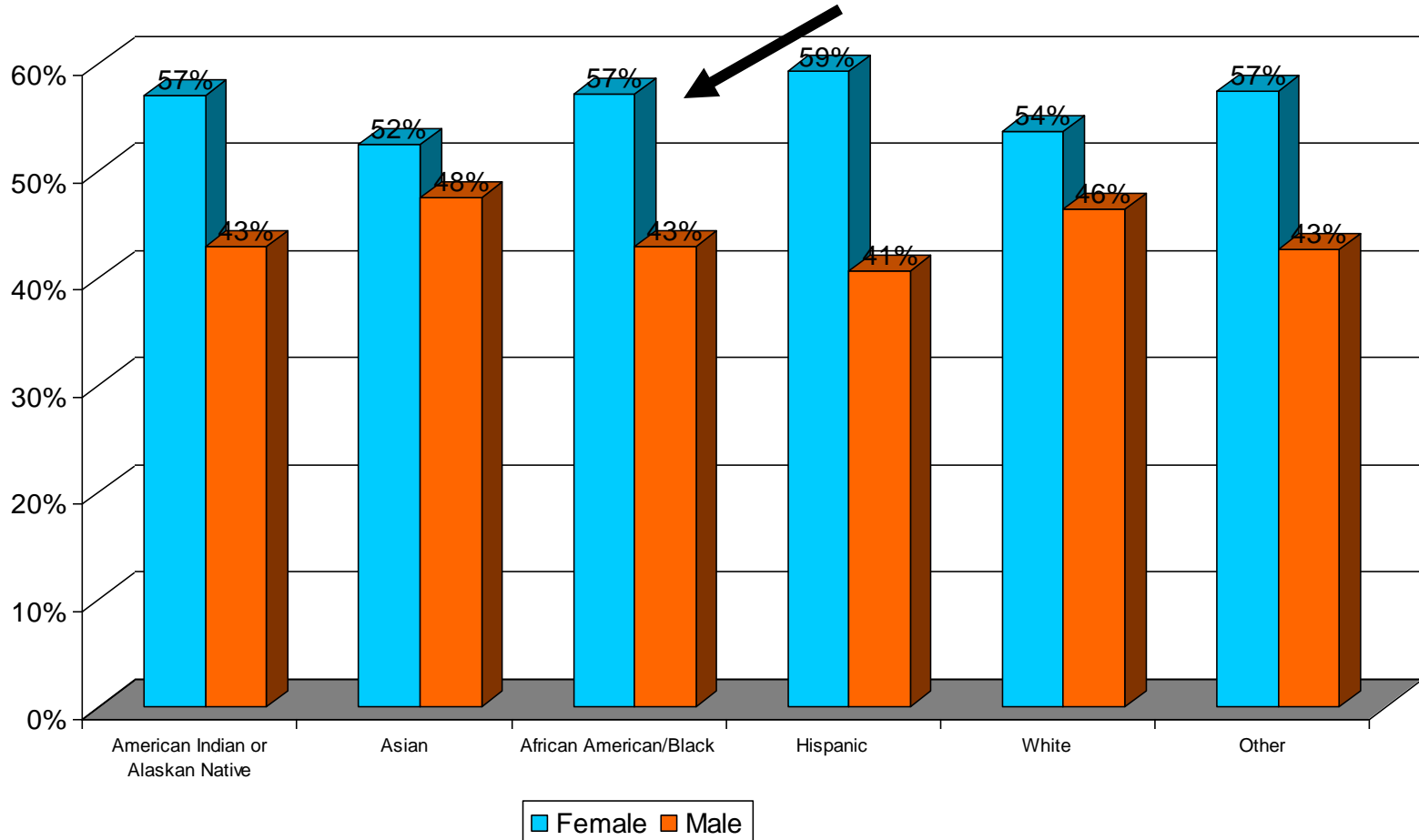
California: Students in the 2007 SAT[®] Cohort by Gender



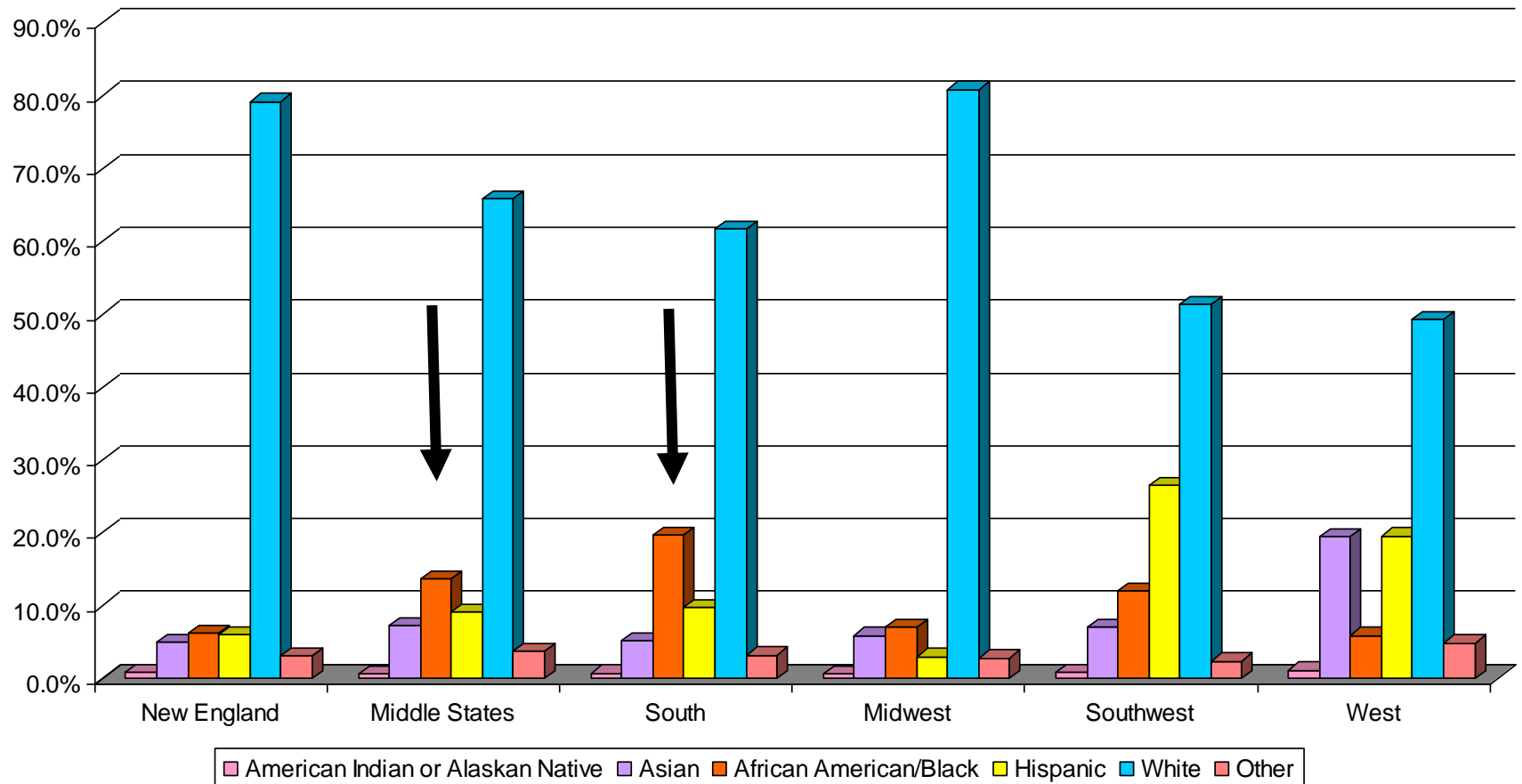
Students in the 2007 SAT[®] Cohort by Ethnicity and Gender



California: Students in the 2007 SAT[®] Cohort by Ethnicity and Gender

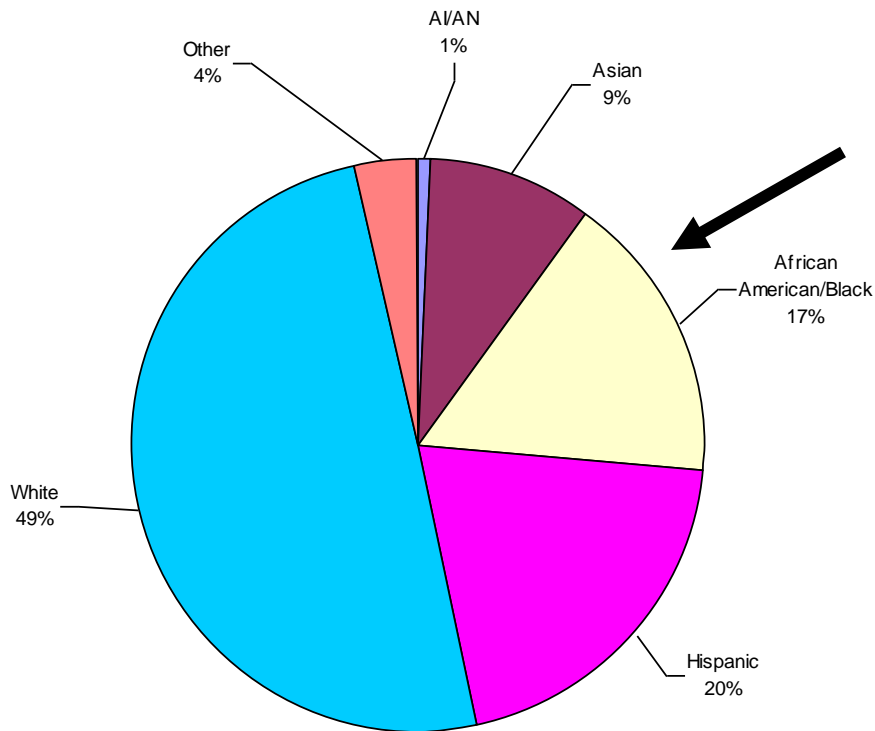


Students in the 2007 SAT[®] Cohort by Ethnicity and CB Region

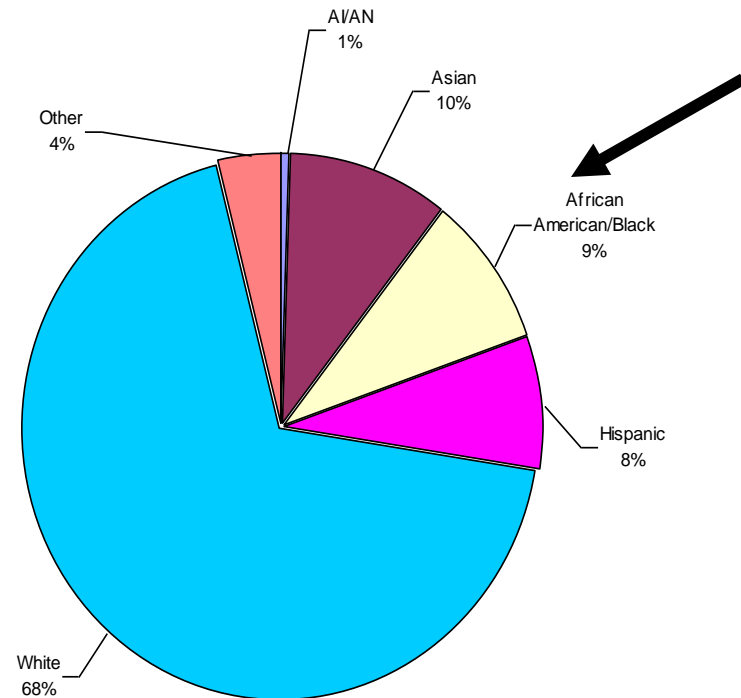


First Generation and Non-First Generation Students in the SAT[®] Cohort 2002- 2007 by Ethnicity

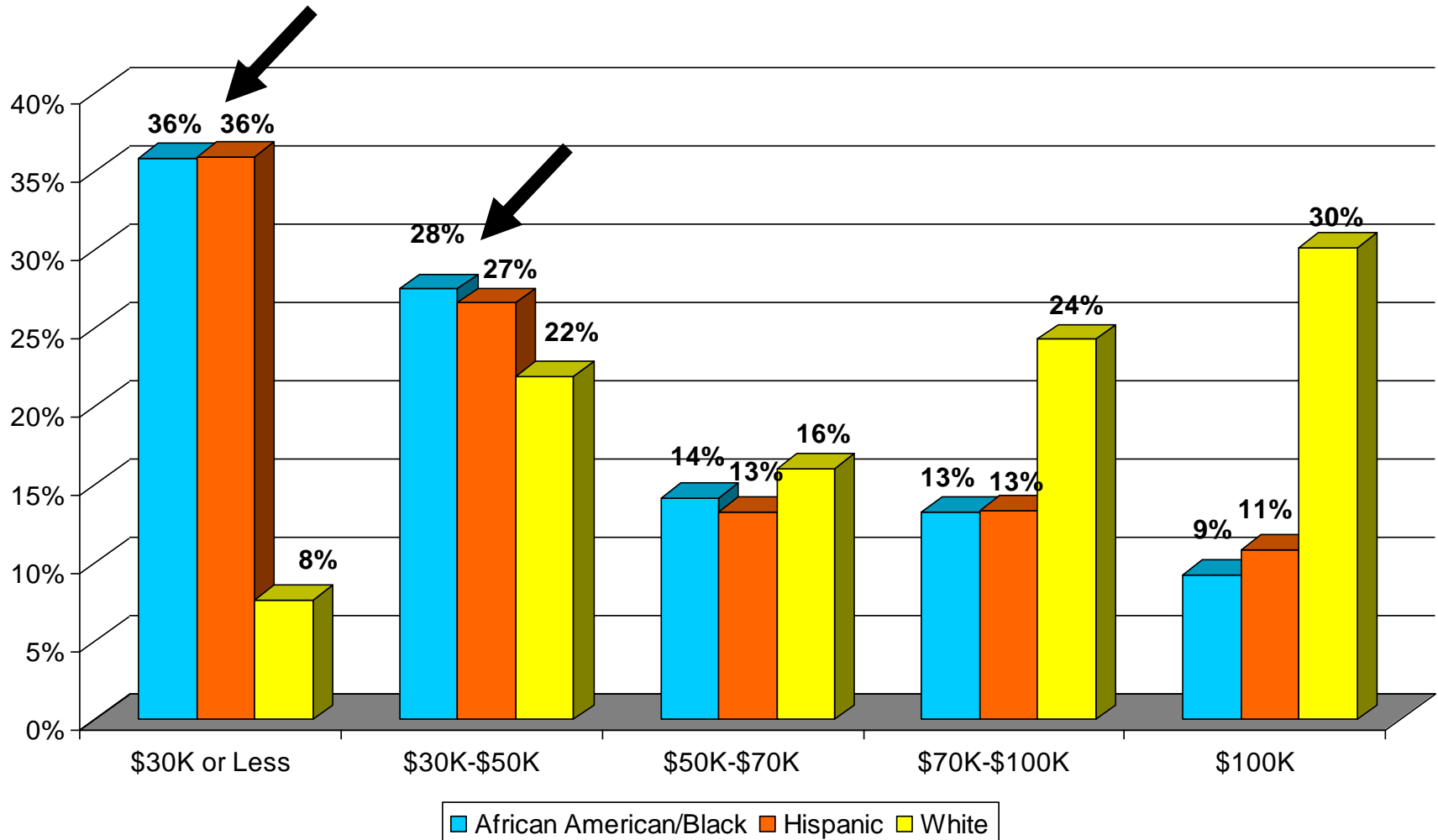
Percent of First Generation



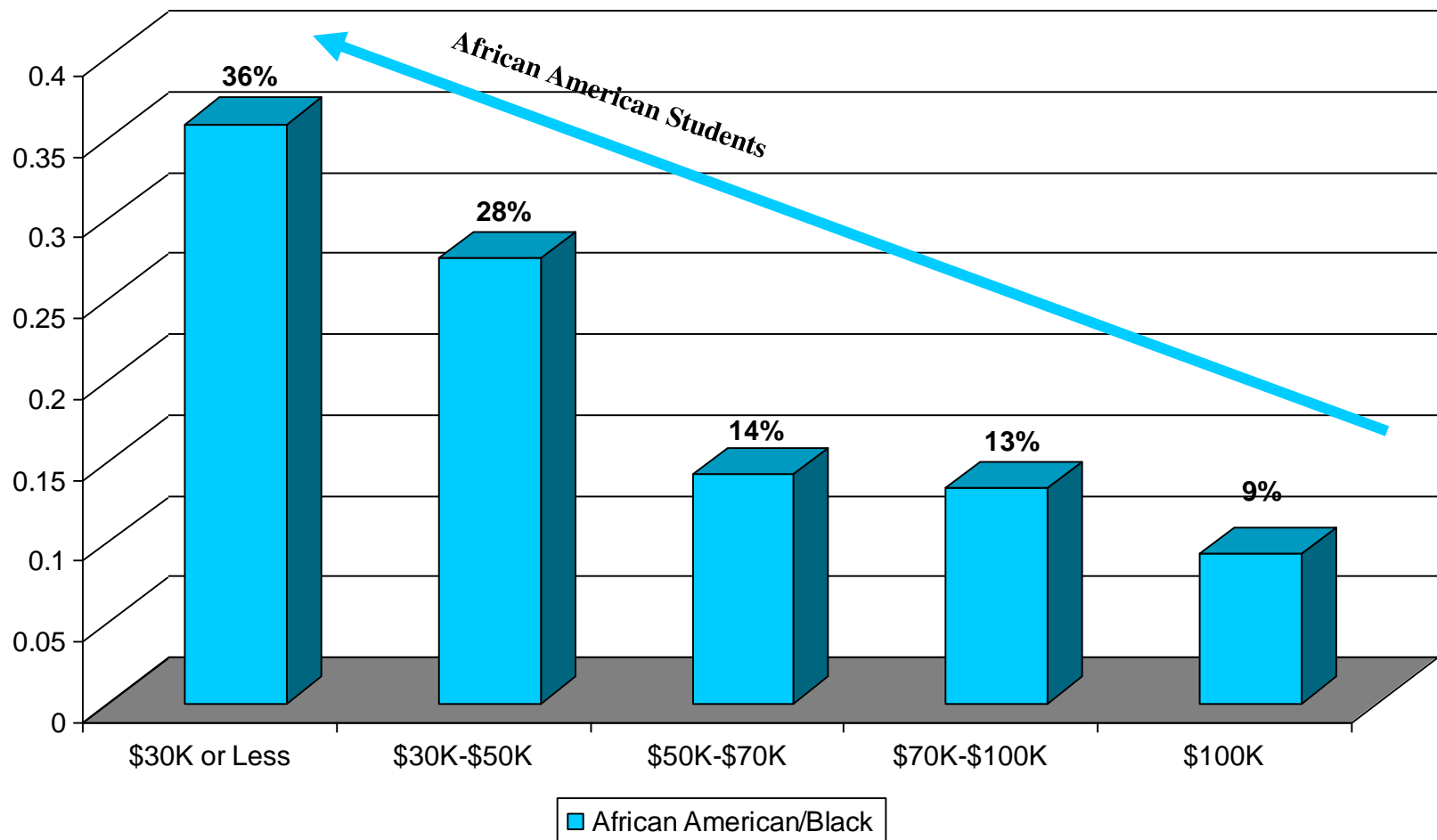
Percent of Non First Generation Students



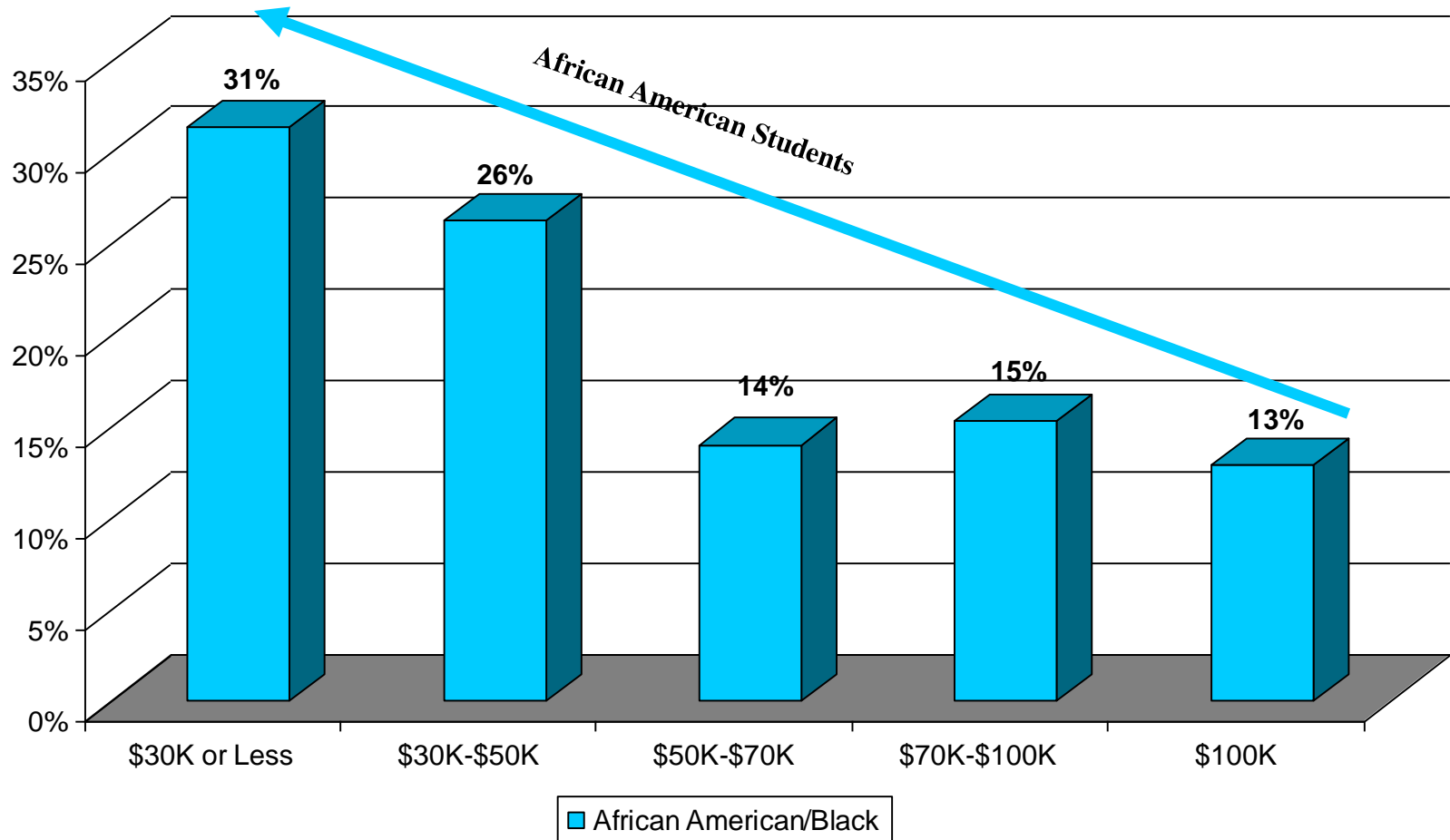
Household Income by Ethnicity for Students in the 2007 SAT® Cohort



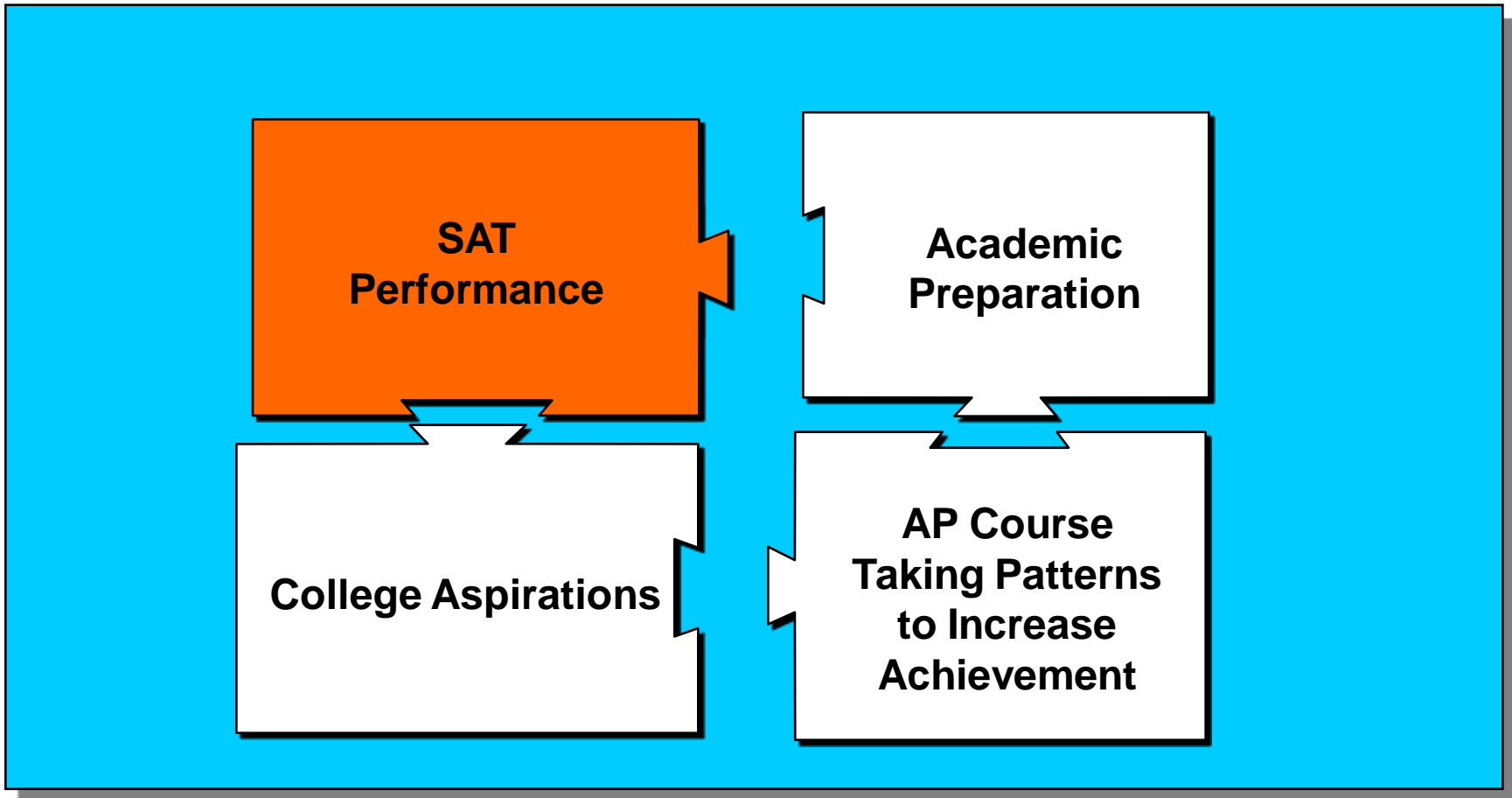
Household Income of African American Students in the 2007 SAT® Cohort



California: Household Income of African American Students in the 2007 SAT® Cohort



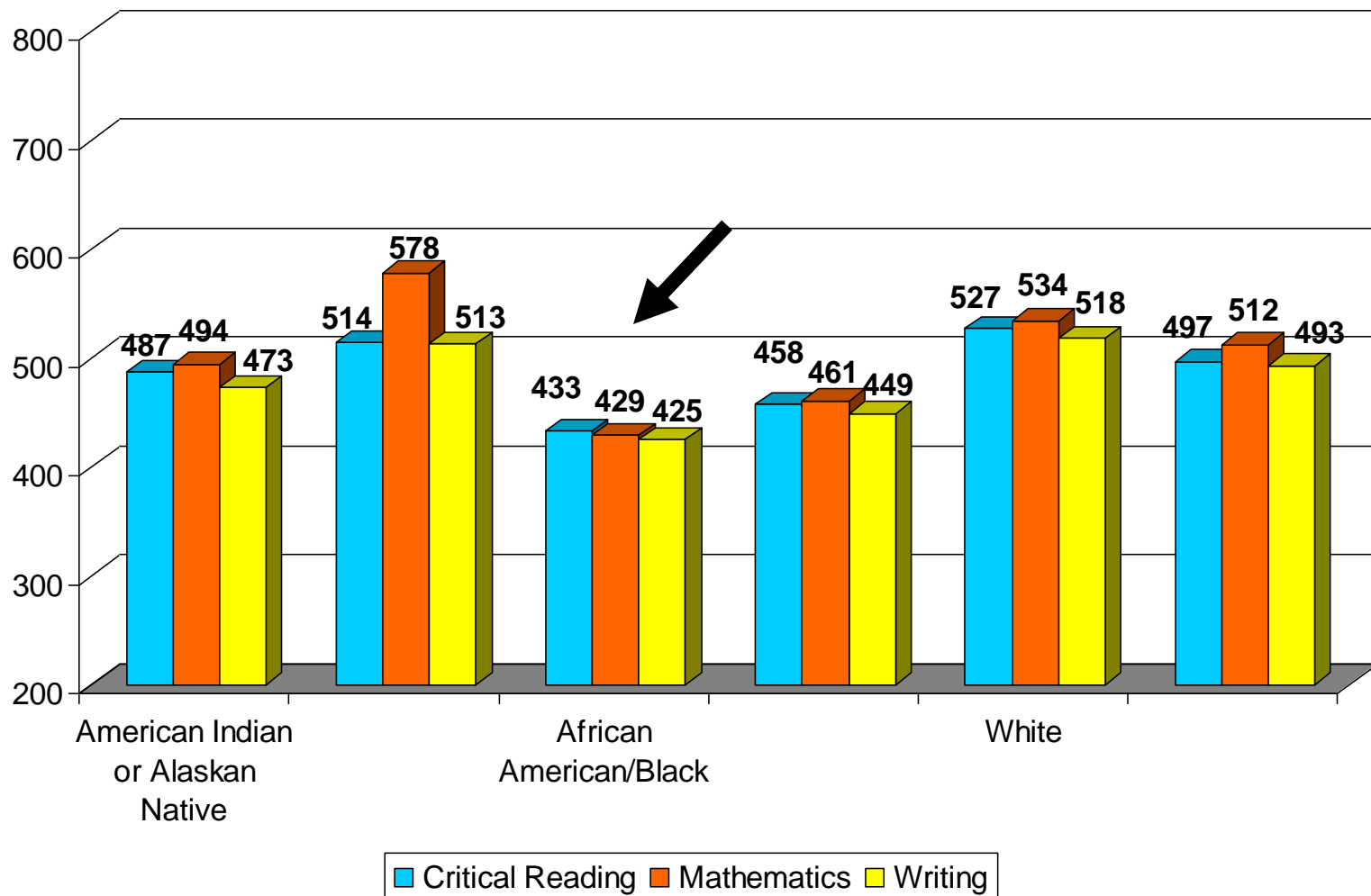
SAT Performance of Students in the 2007 SAT® Cohort



2007 SAT[®] Mean Scores by Ethnicity

National: 2007 SAT Mean Scores by Ethnicity			
	Critical Reading	Mathematics	Writing
American Indian or Alaskan Native	487	494	473
Asian	514	578	513
African American/Black	433	429	425
Hispanic	458	461	449
White	527	534	518
Other	497	512	493

2007 SAT[®] Mean Scores by Ethnicity

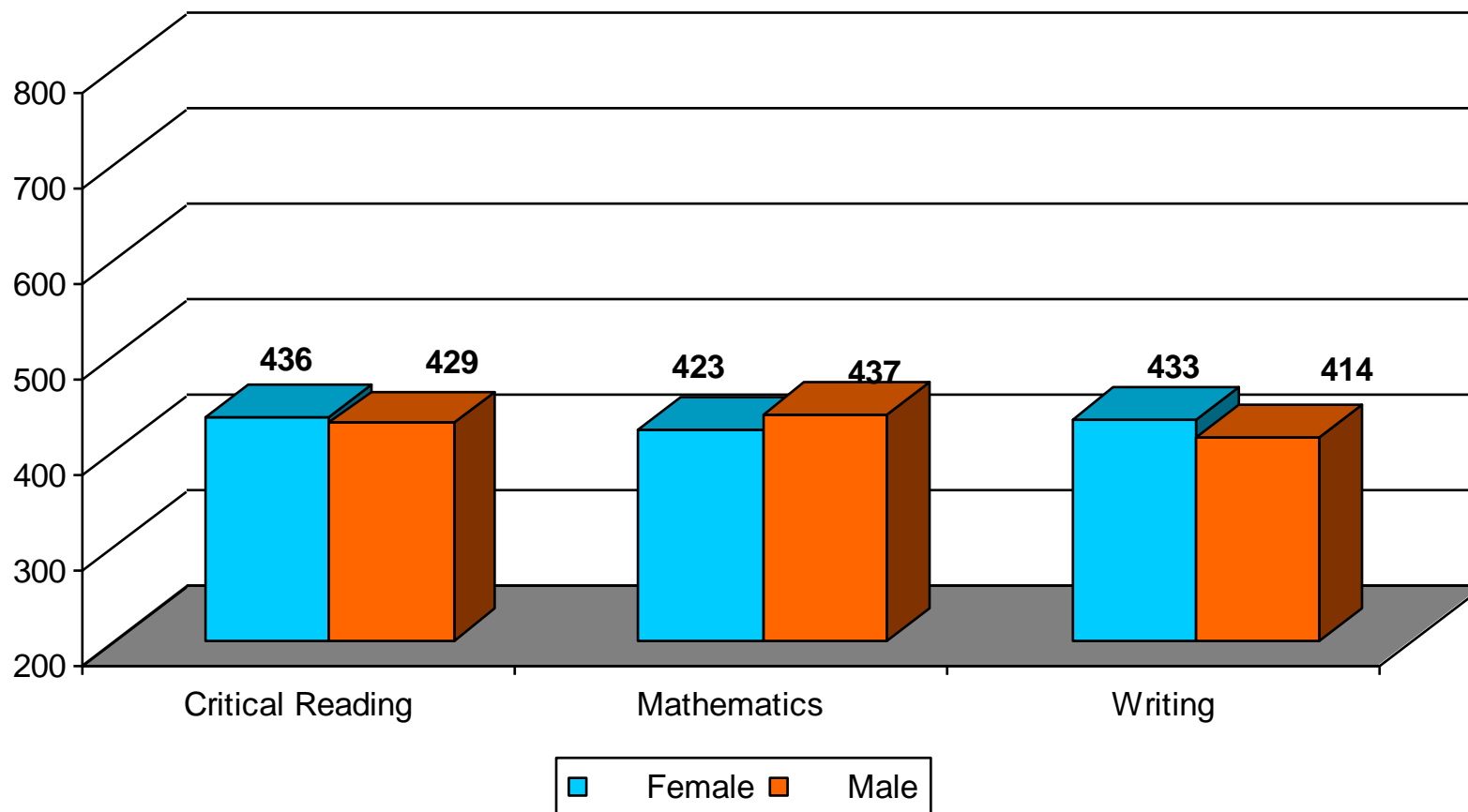


2007 SAT[®] Mean Scores by Gender-Ethnicity

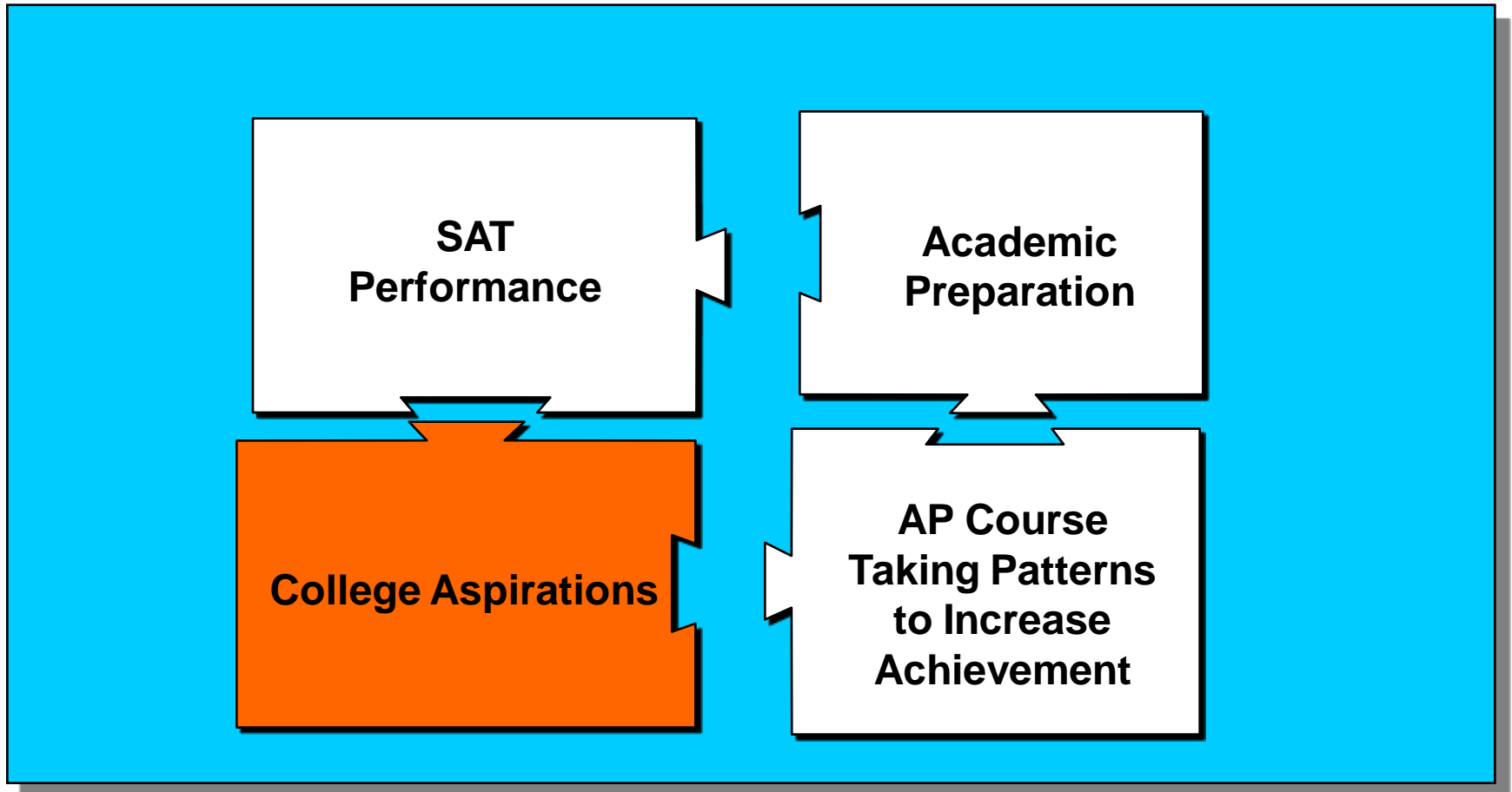
National: 2007 SAT Mean Scores by Gender and Ethnicity			
African American/Black	Critical Reading	Mathematics	Writing
Female	436	423	433
Male	429	437	414
White	Critical Reading	Mathematics	Writing
Female	526	519	524
Male	529	553	511

2007 SAT[®] Mean Scores by Gender-Ethnicity

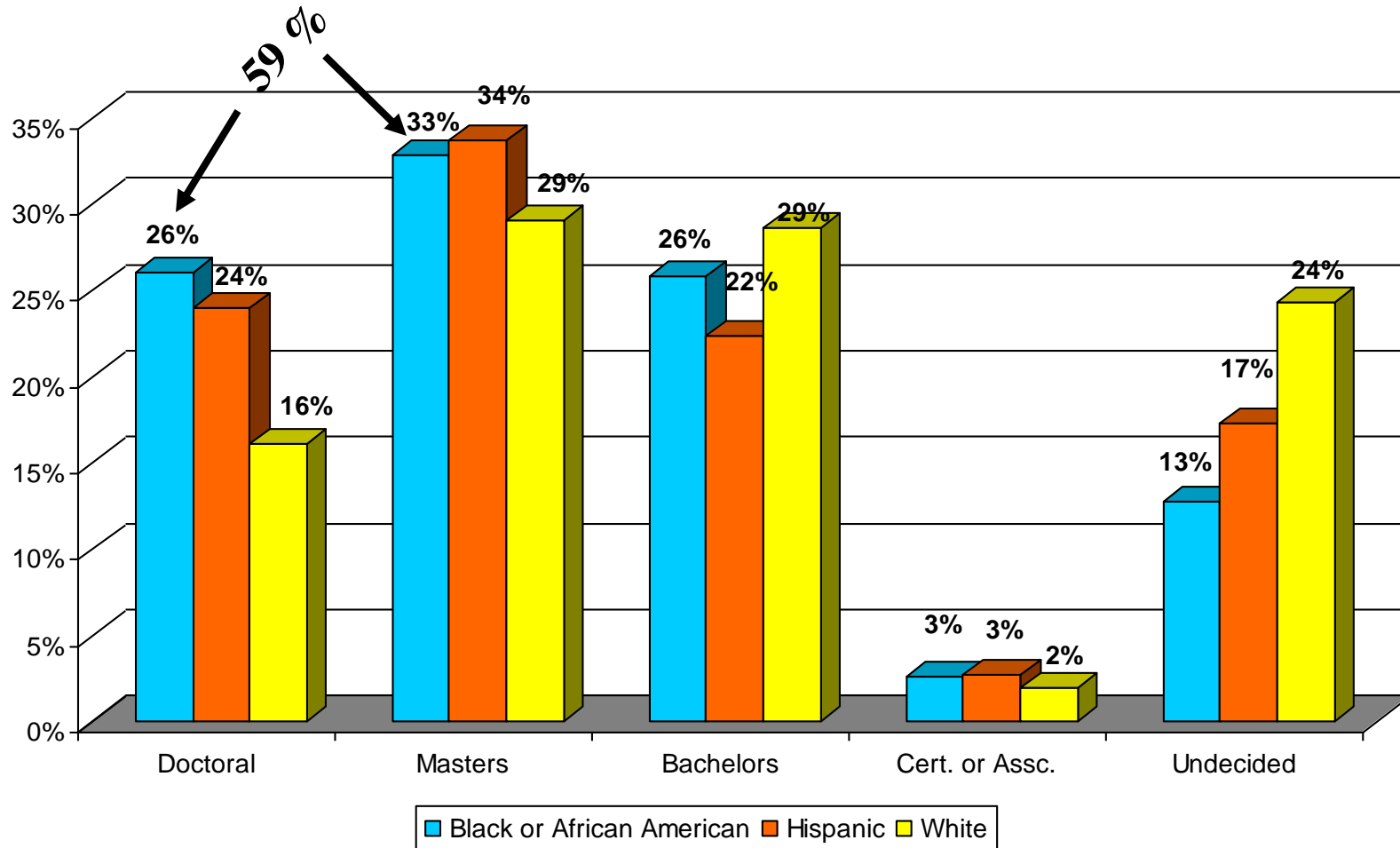
African American Students



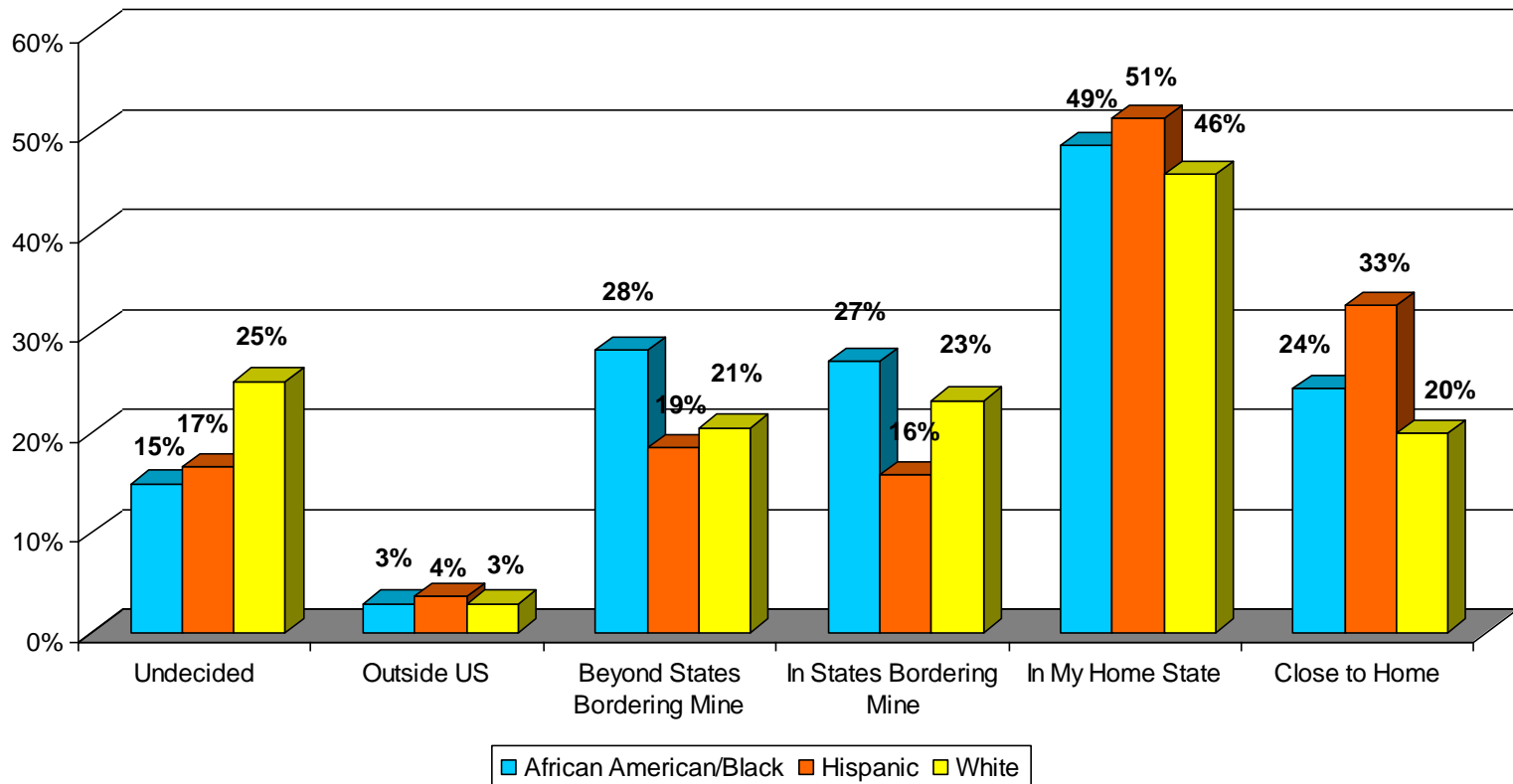
College Aspirations of Students in the 2007 SAT® Cohort



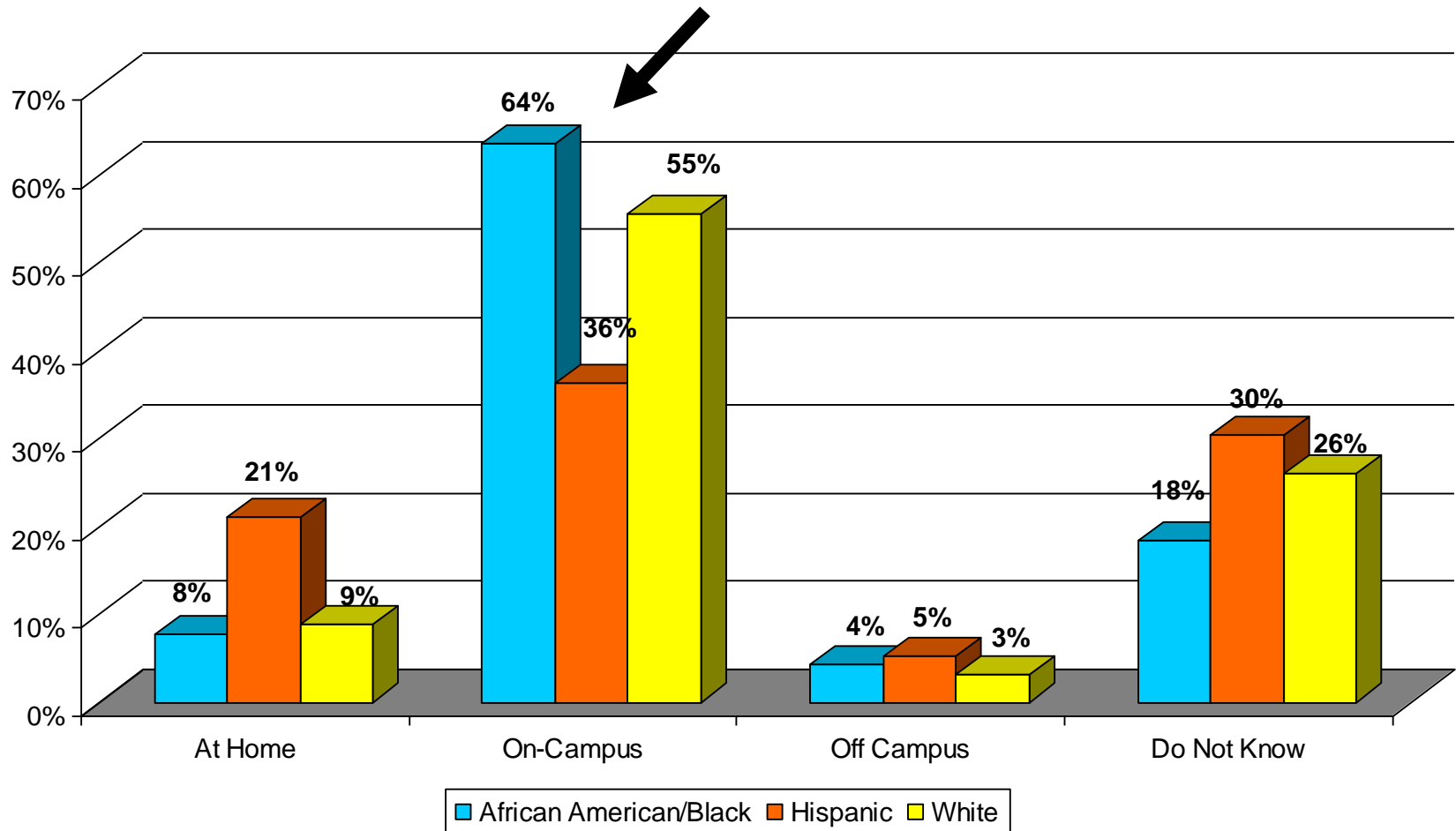
Degree Level Goals by Ethnicity of Students in the 2007 SAT[®] Cohort



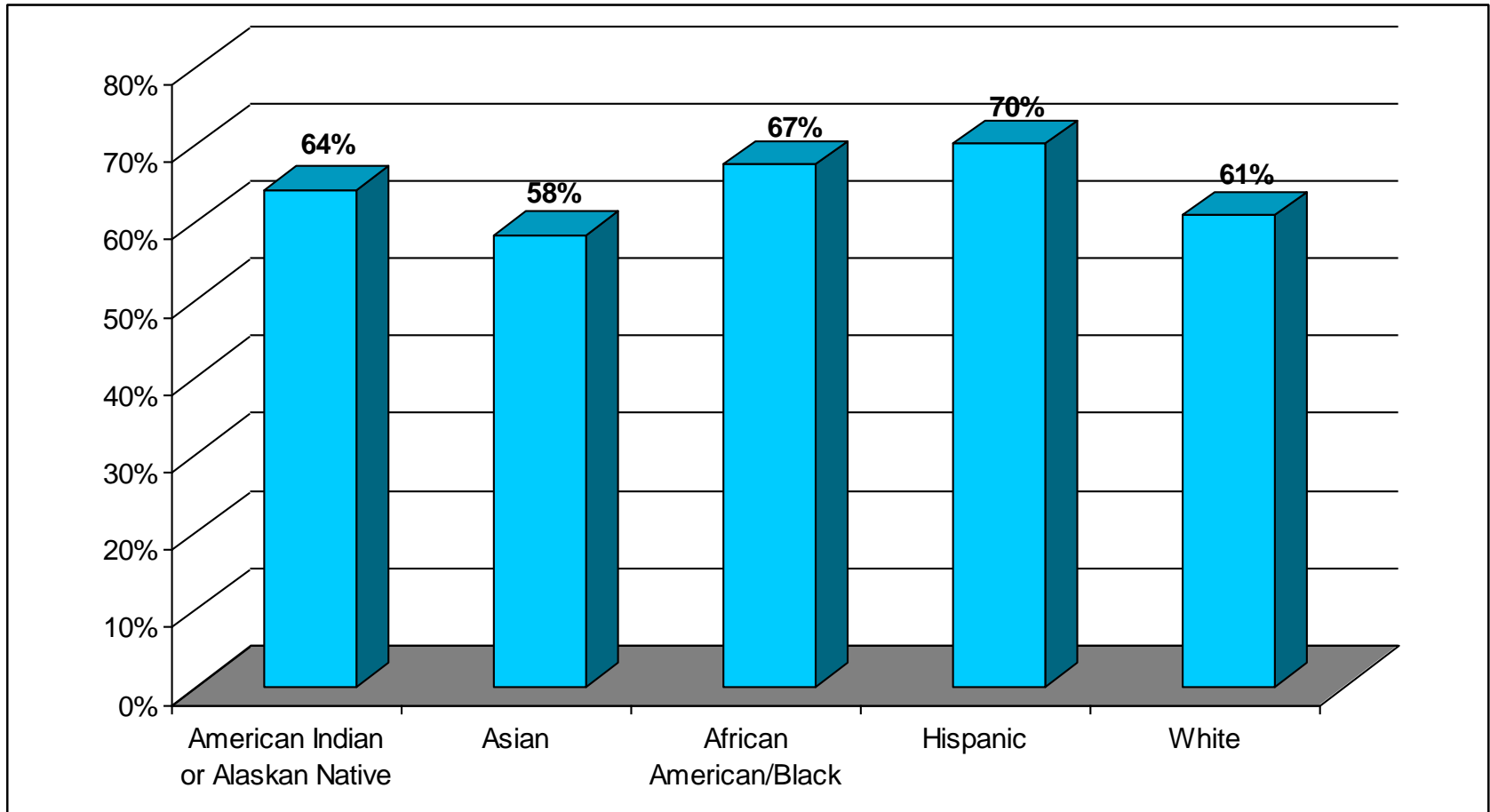
College Location Preference by Ethnicity in the 2007 SAT[®] Cohort



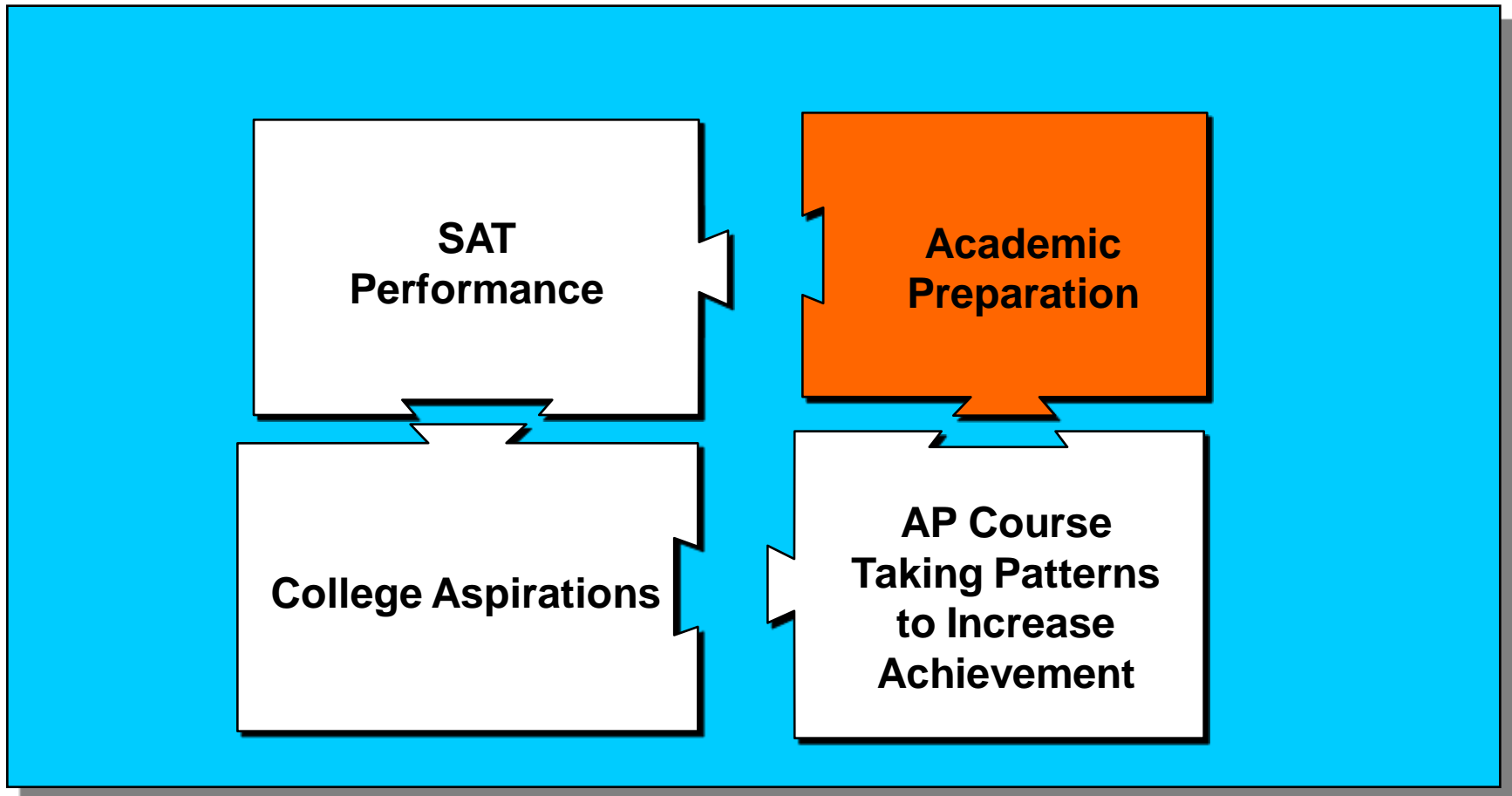
College Location Preference by Ethnicity in the 2007 SAT[®] Cohort



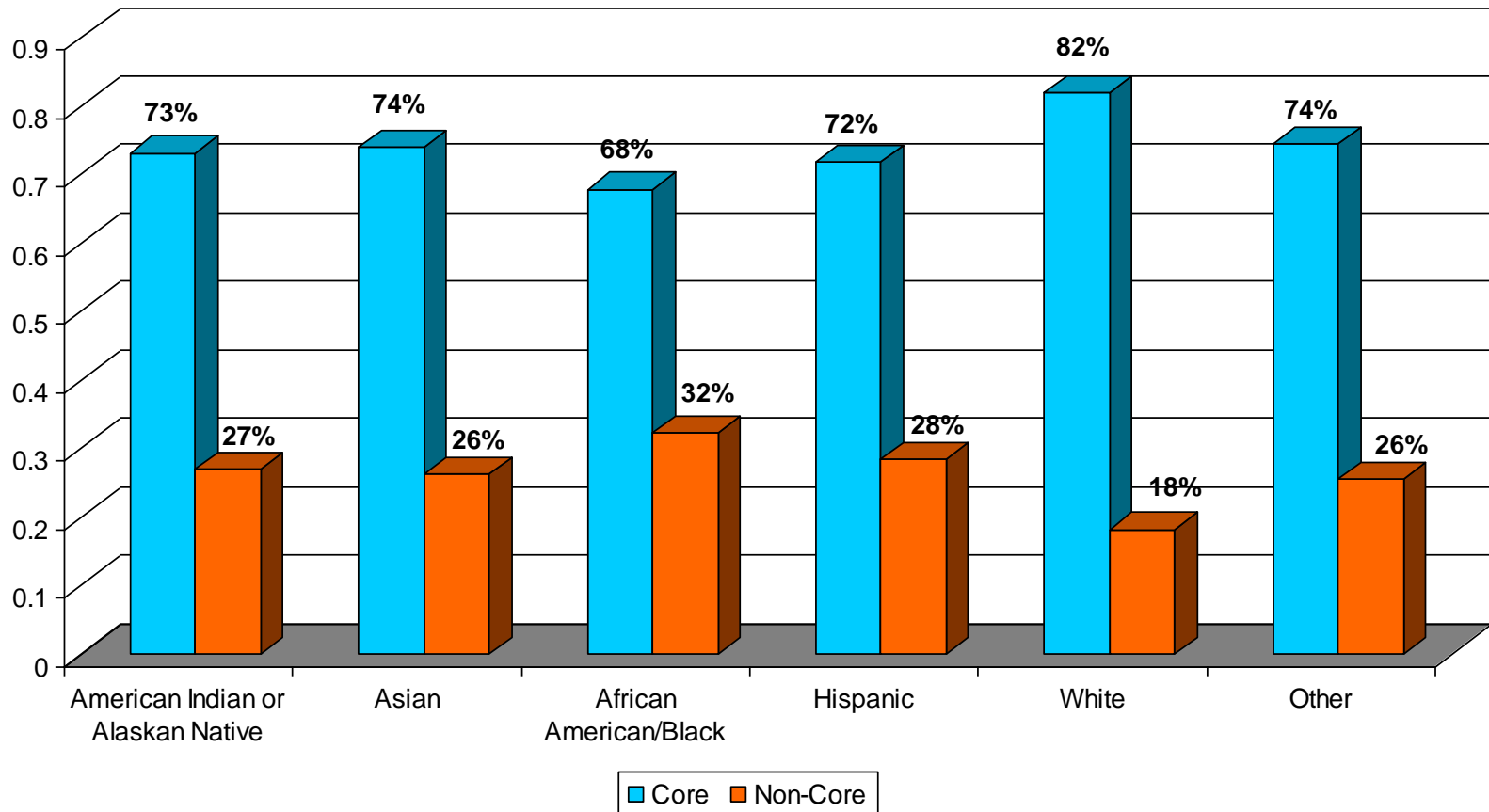
Plans to Seek Part Time Job by Ethnicity in the 2007 SAT[®] Cohort



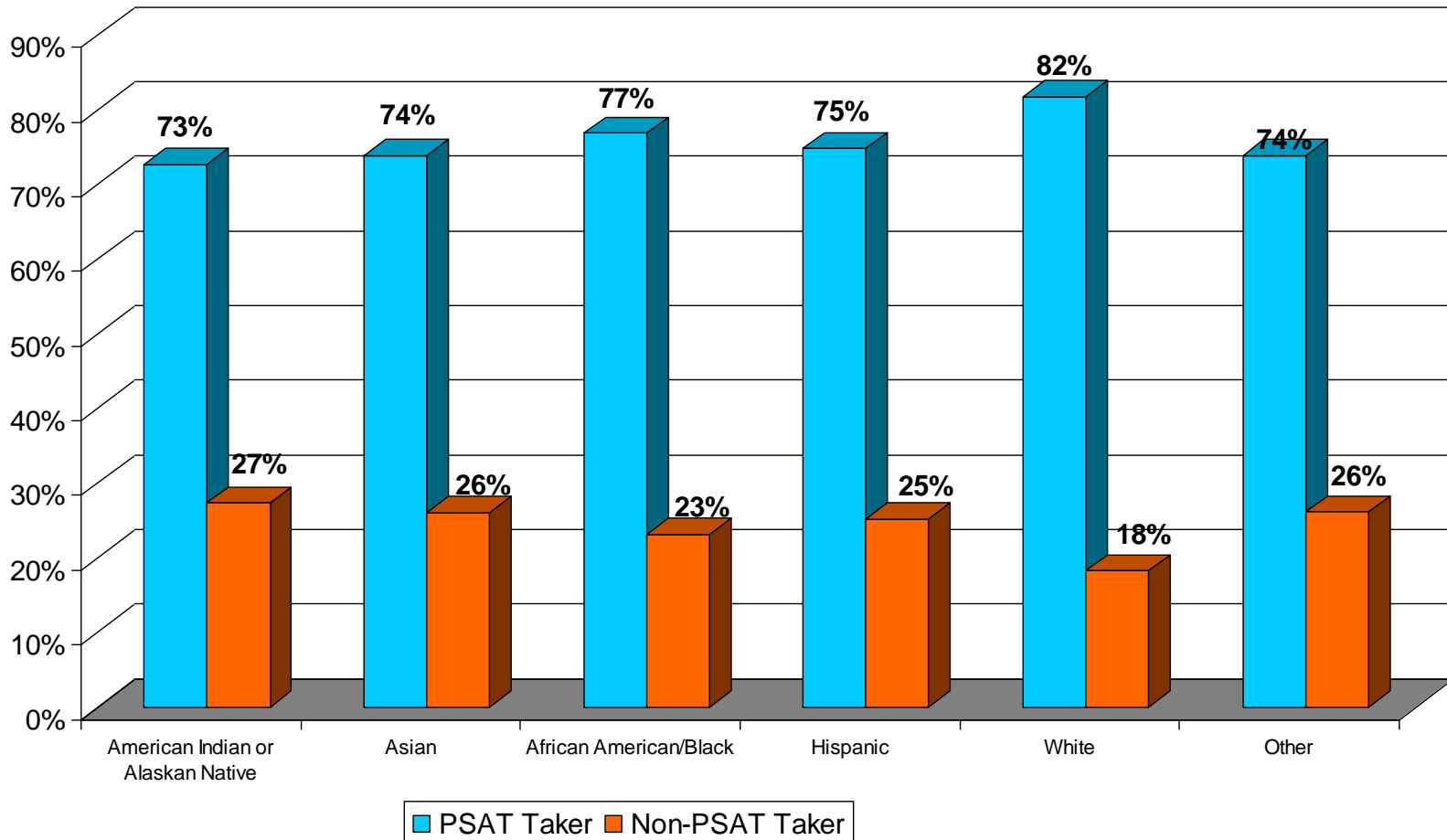
Academic Preparation of Students in the 2007 SAT[®] Cohort



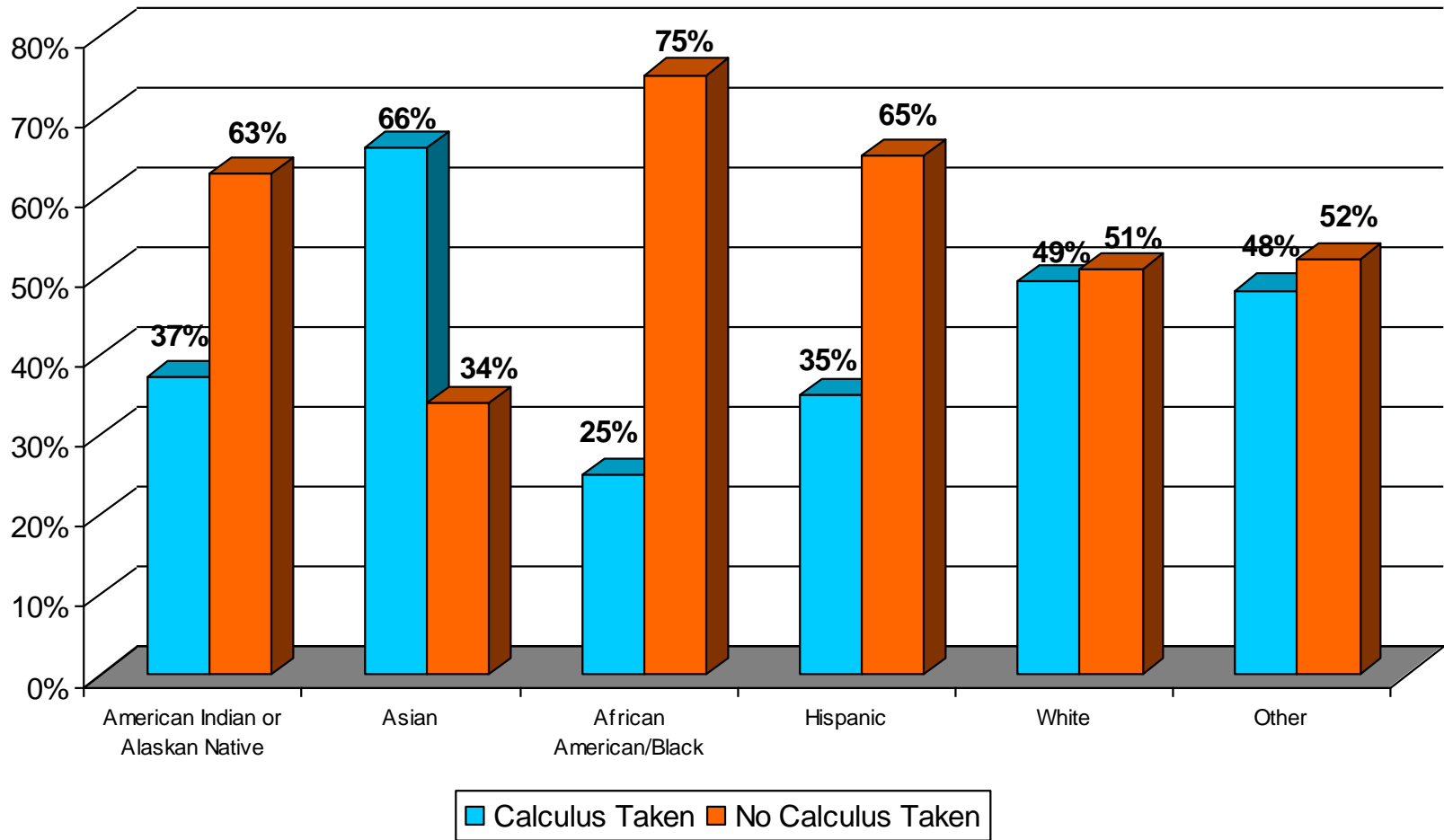
Academic Preparation by Ethnicity of Students in the 2007 SAT® Cohort



PSAT Taker by Ethnicity of Students in the 2007 SAT[®] Cohort

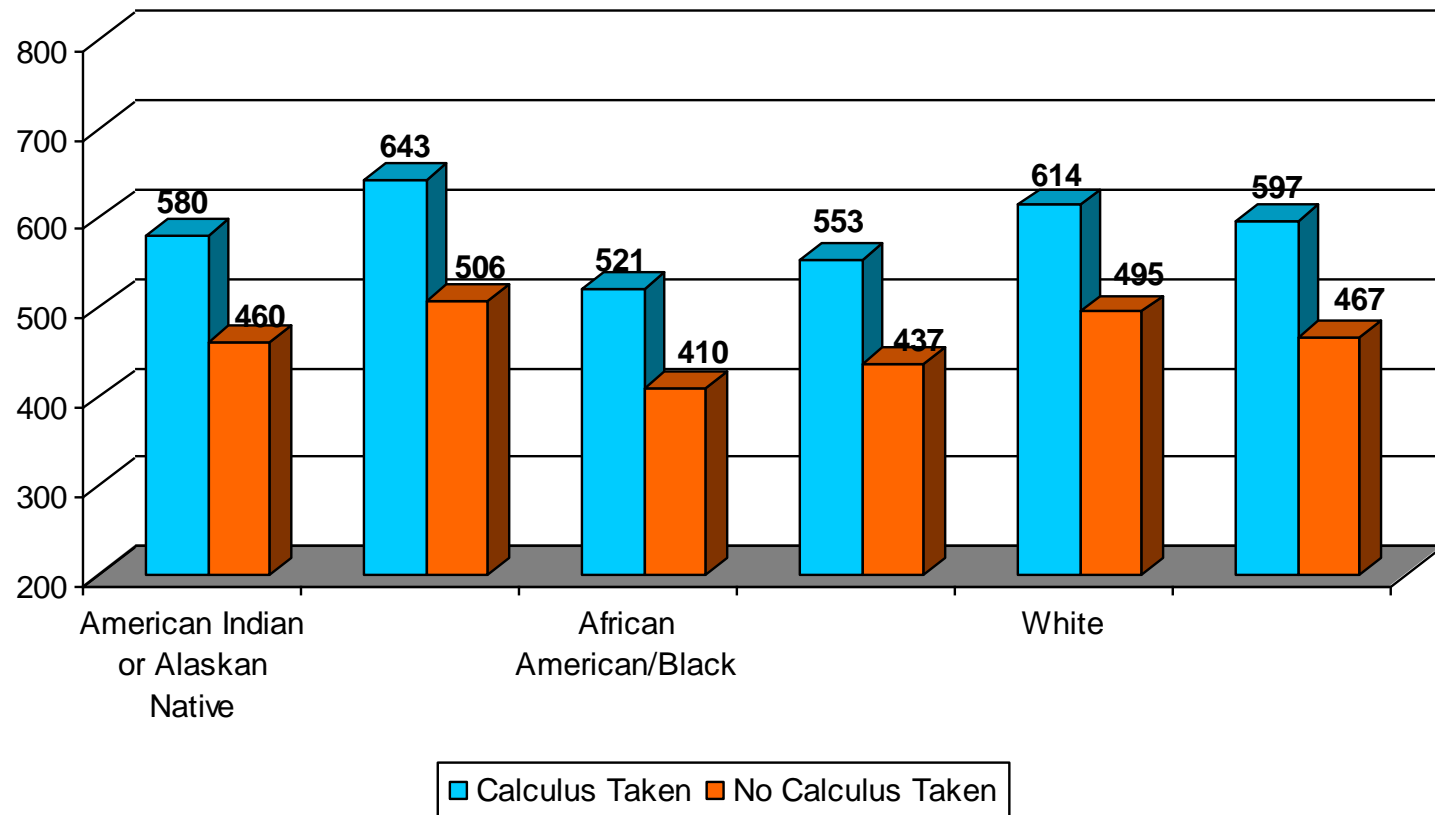


Level of College Preparation by Ethnicity in the 2007 SAT[®] Cohort – Calculus Course Taken

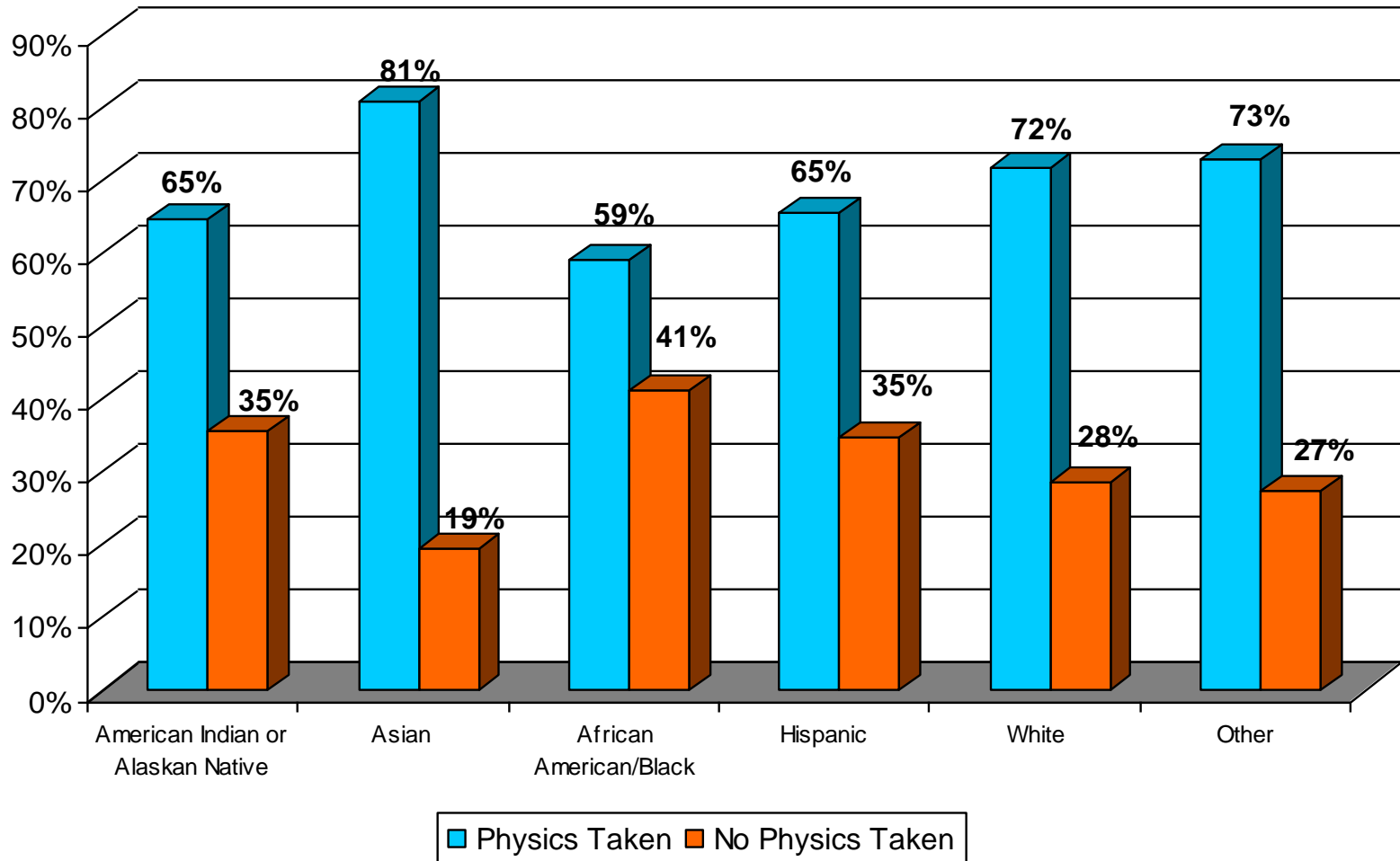


Level of College Preparation by Ethnicity in the 2007 SAT[®] Cohort – Calculus Course Taken

Mean SAT Math Scores by Calculus Course Taken

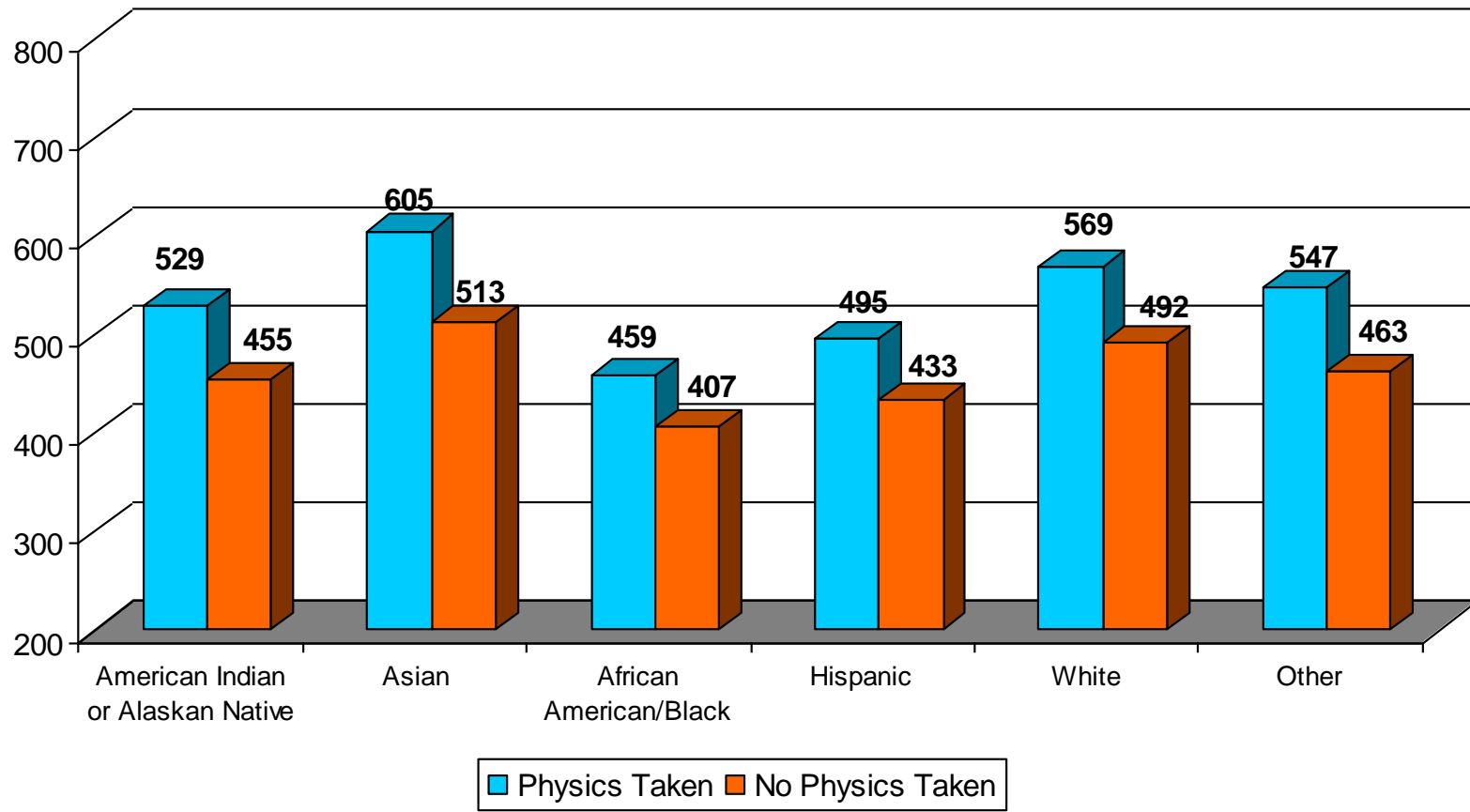


Level of College Preparation by Ethnicity in the 2007 SAT[®] Cohort – Physics Course Taken

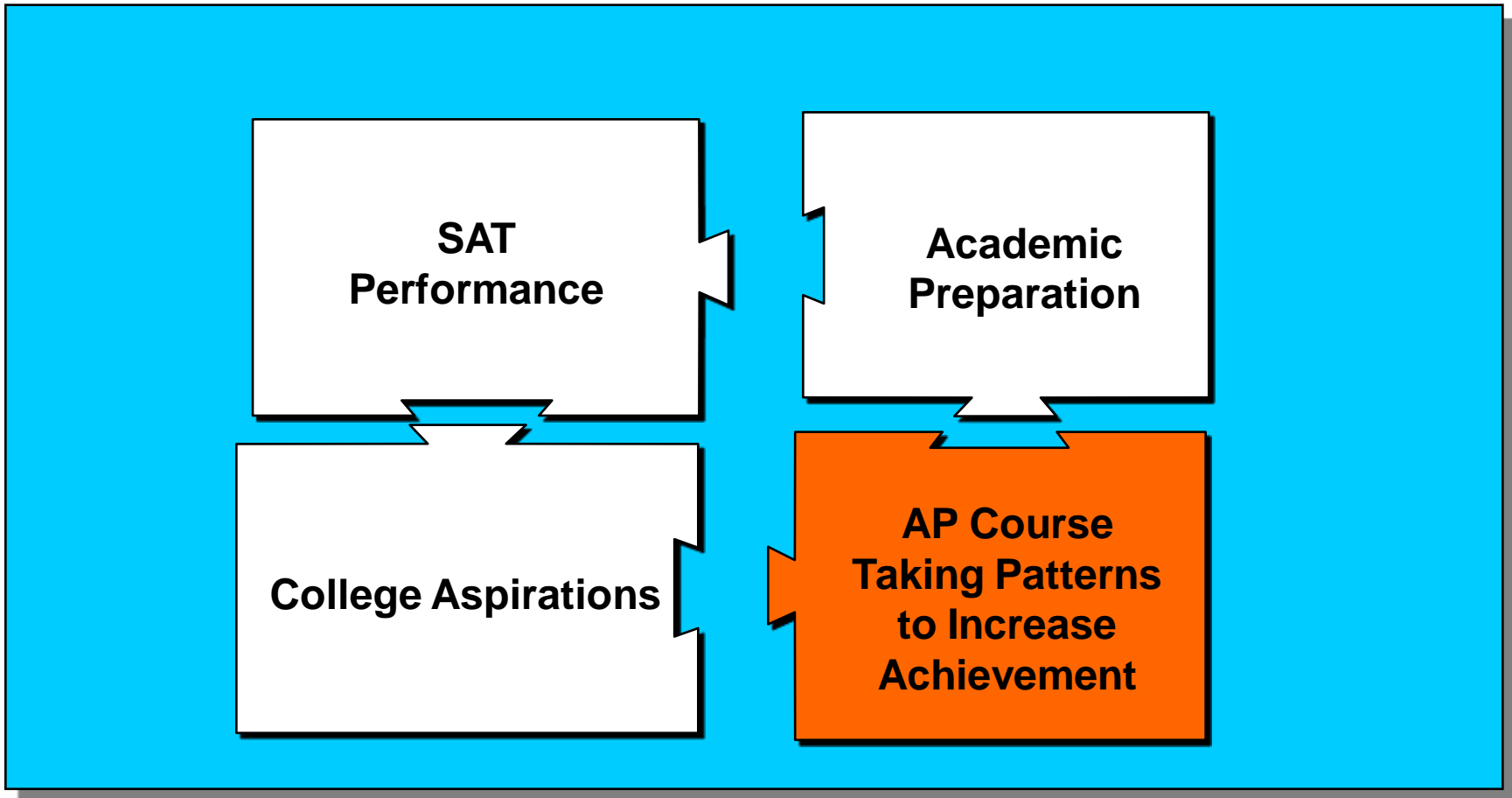


Level of College Preparation by Ethnicity in the 2007 SAT[®] Cohort – Physics Course Taken

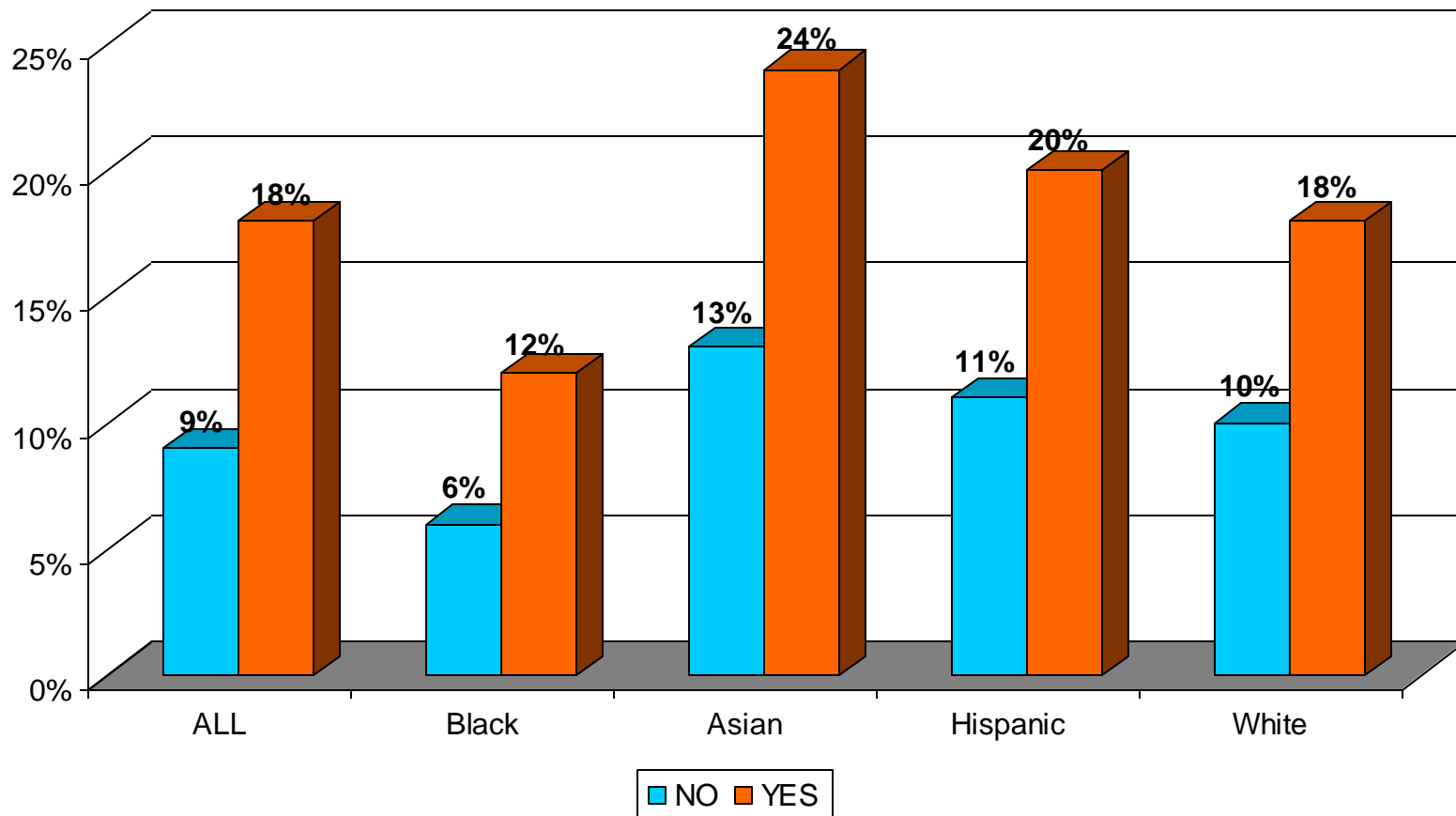
Mean SAT Math Scores by Physics Course



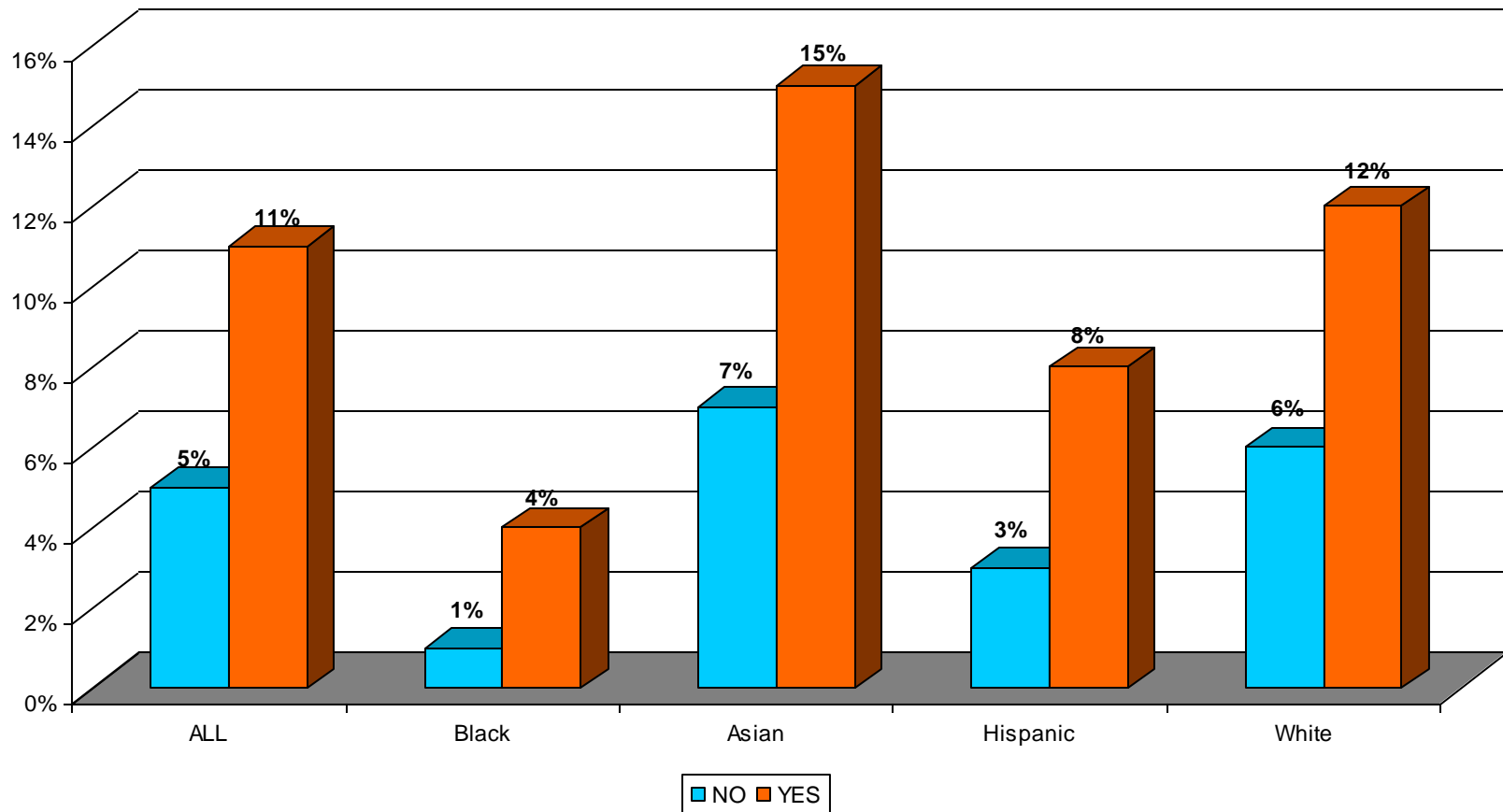
AP Course Taking Patterns of Students in the 2007 SAT[®] Cohort



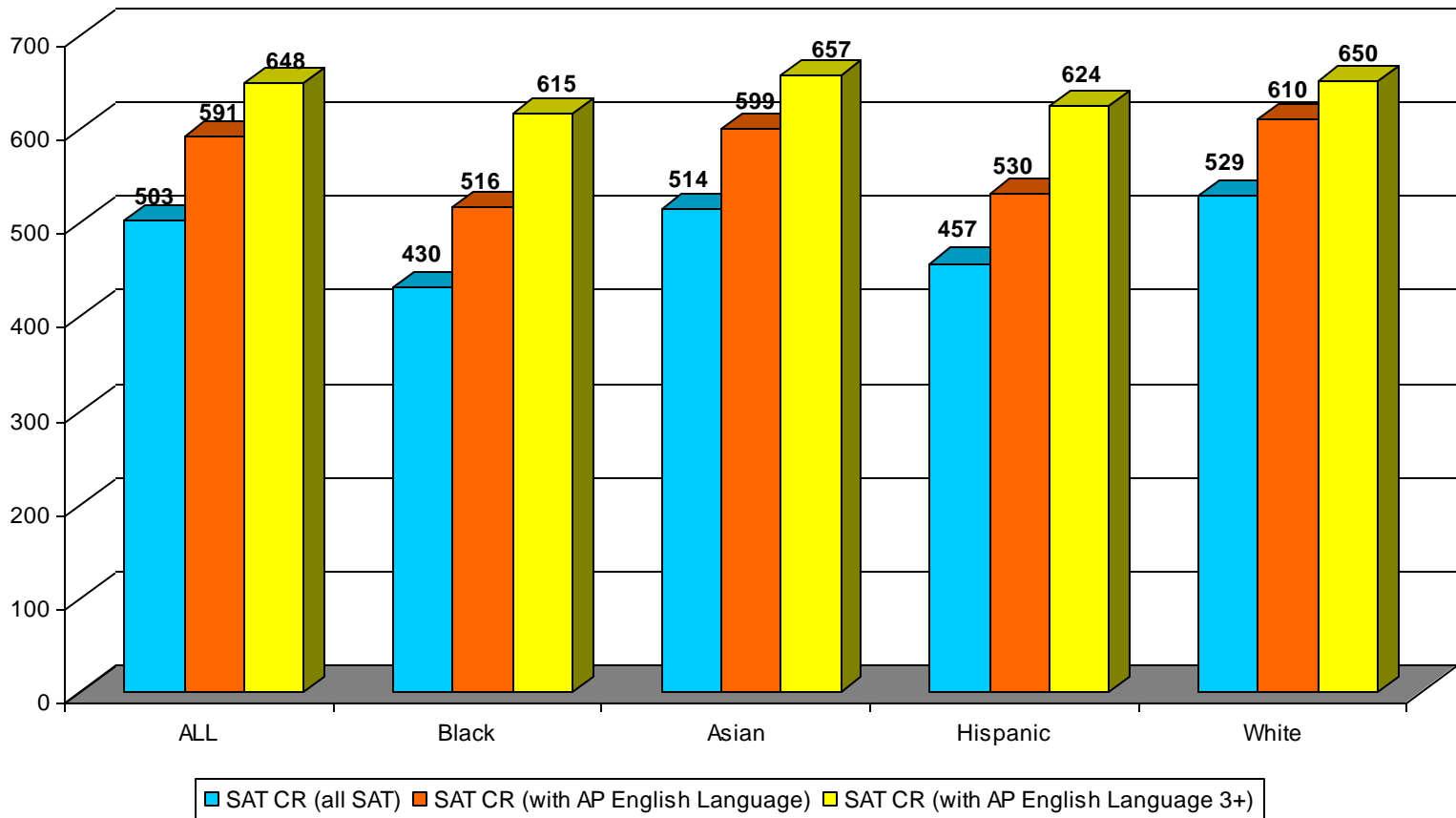
Percent Taking AP English Language By English Indicator by Ethnicity



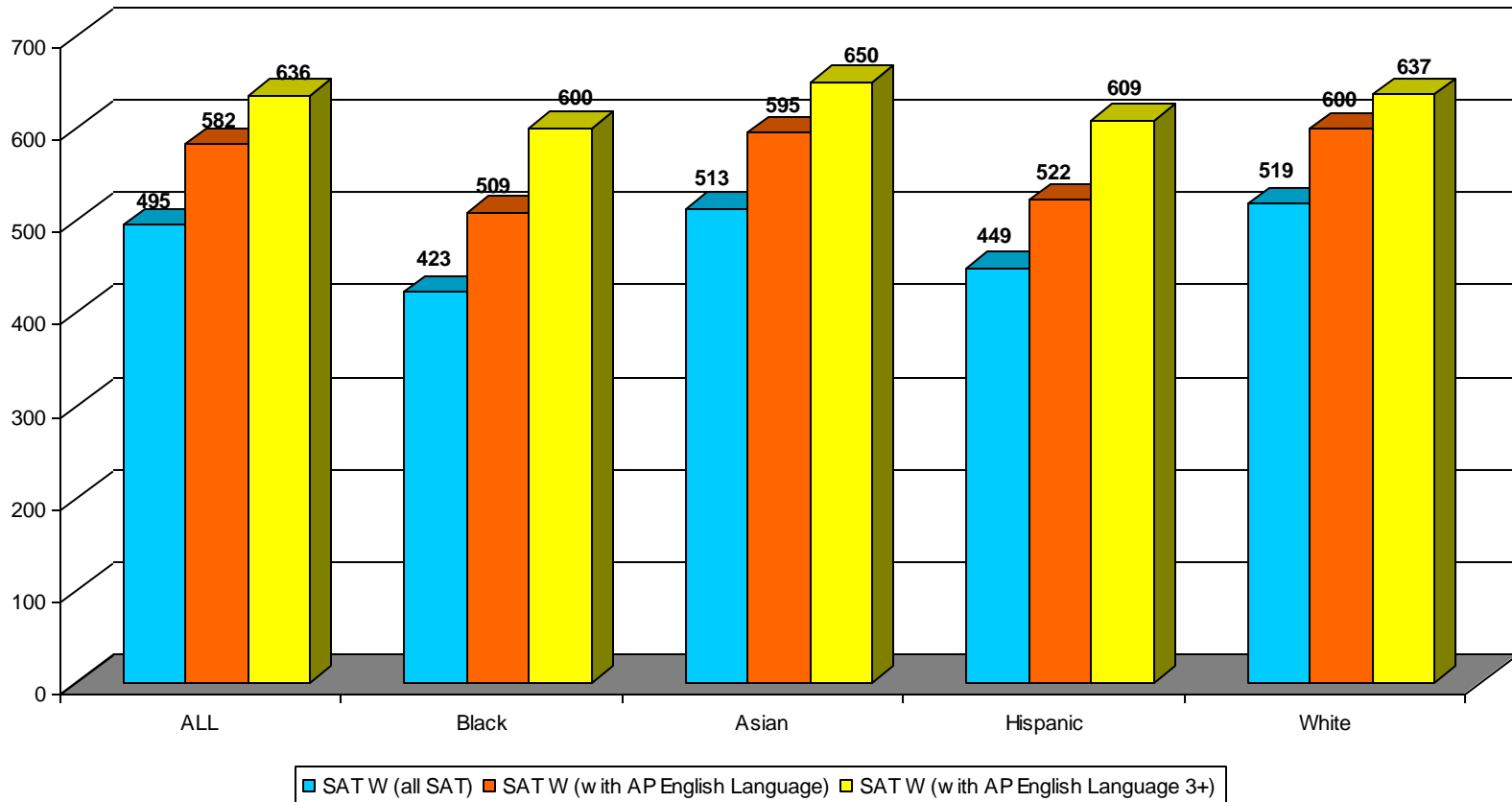
Percent Taking AP English and Scoring 3+ By English Indicator By Ethnicity



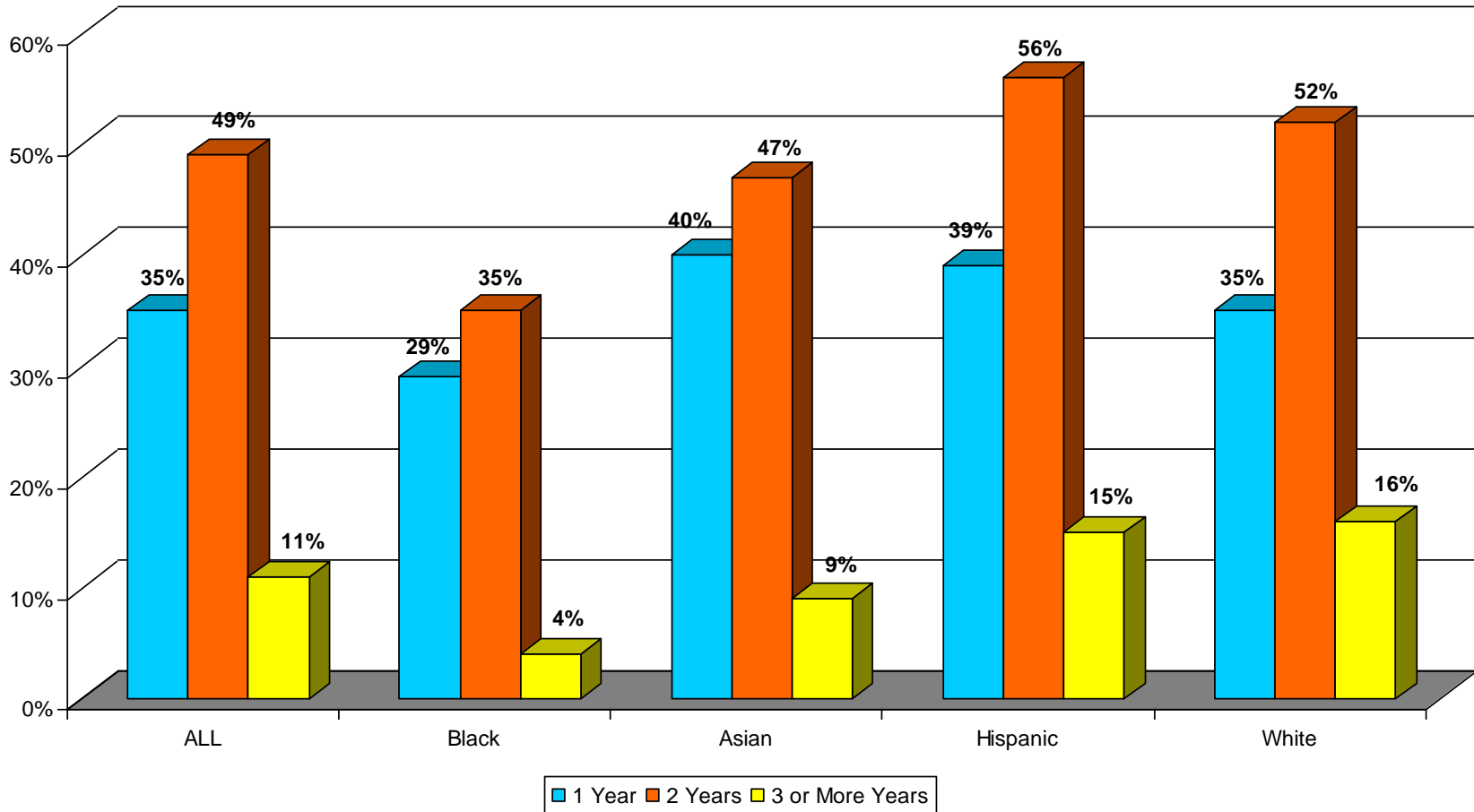
Average SAT CR Scores for Students Taking AP English Language By Ethnicity



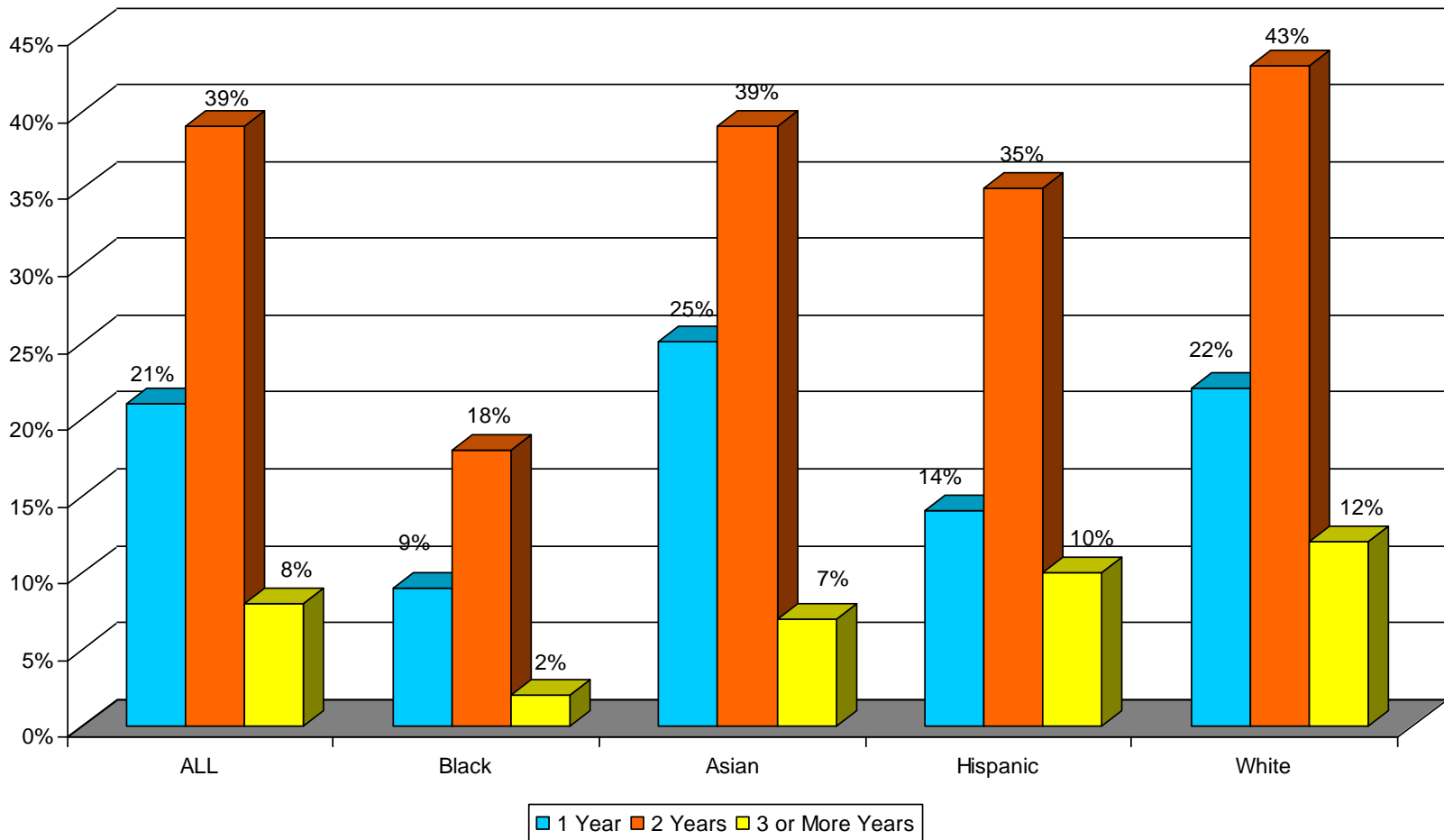
Average SAT W Scores for Students Taking AP English Language By Ethnicity



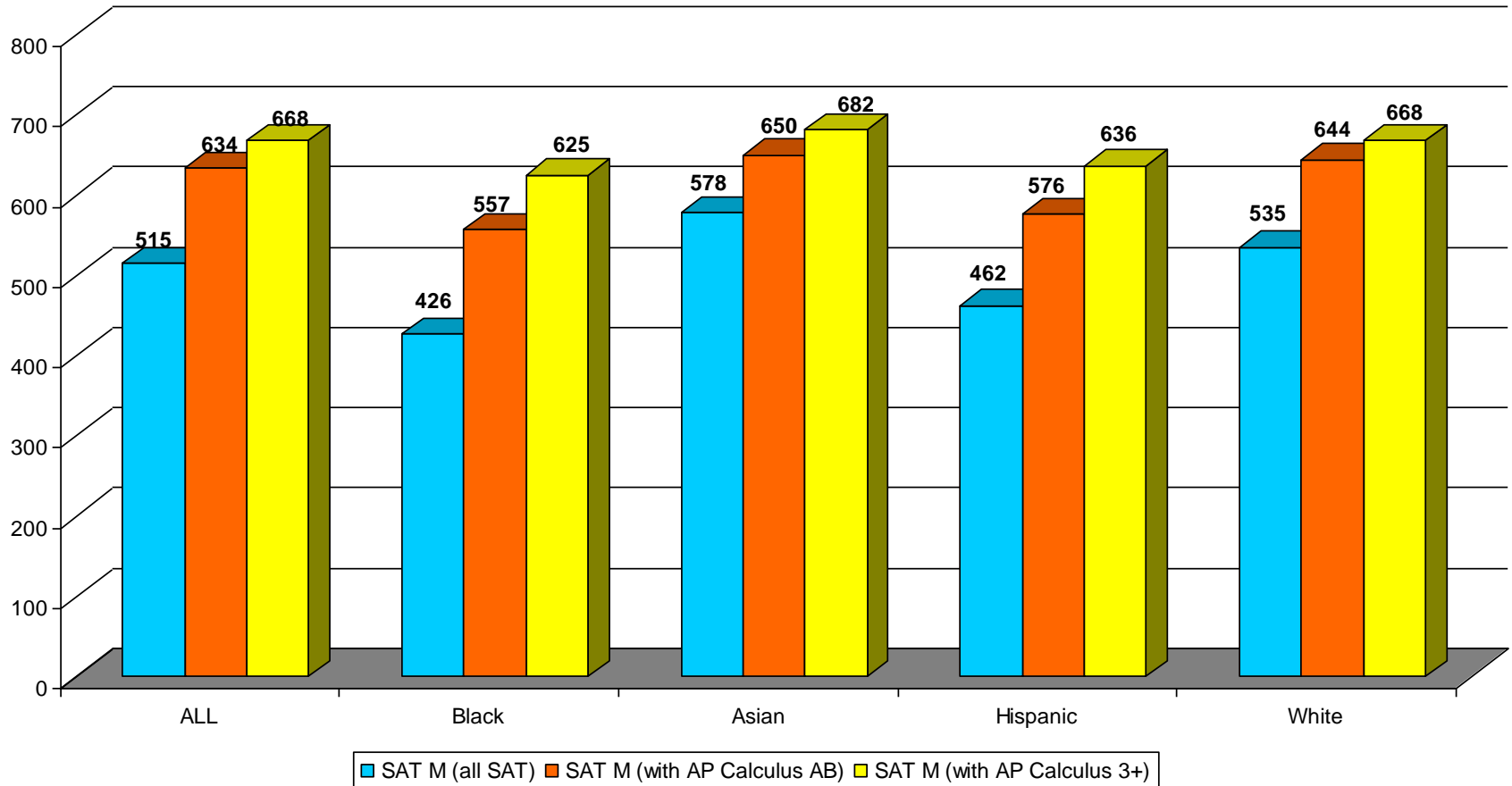
Percent Taking AP Calculus AB By Number of Years of Calculus by Ethnicity



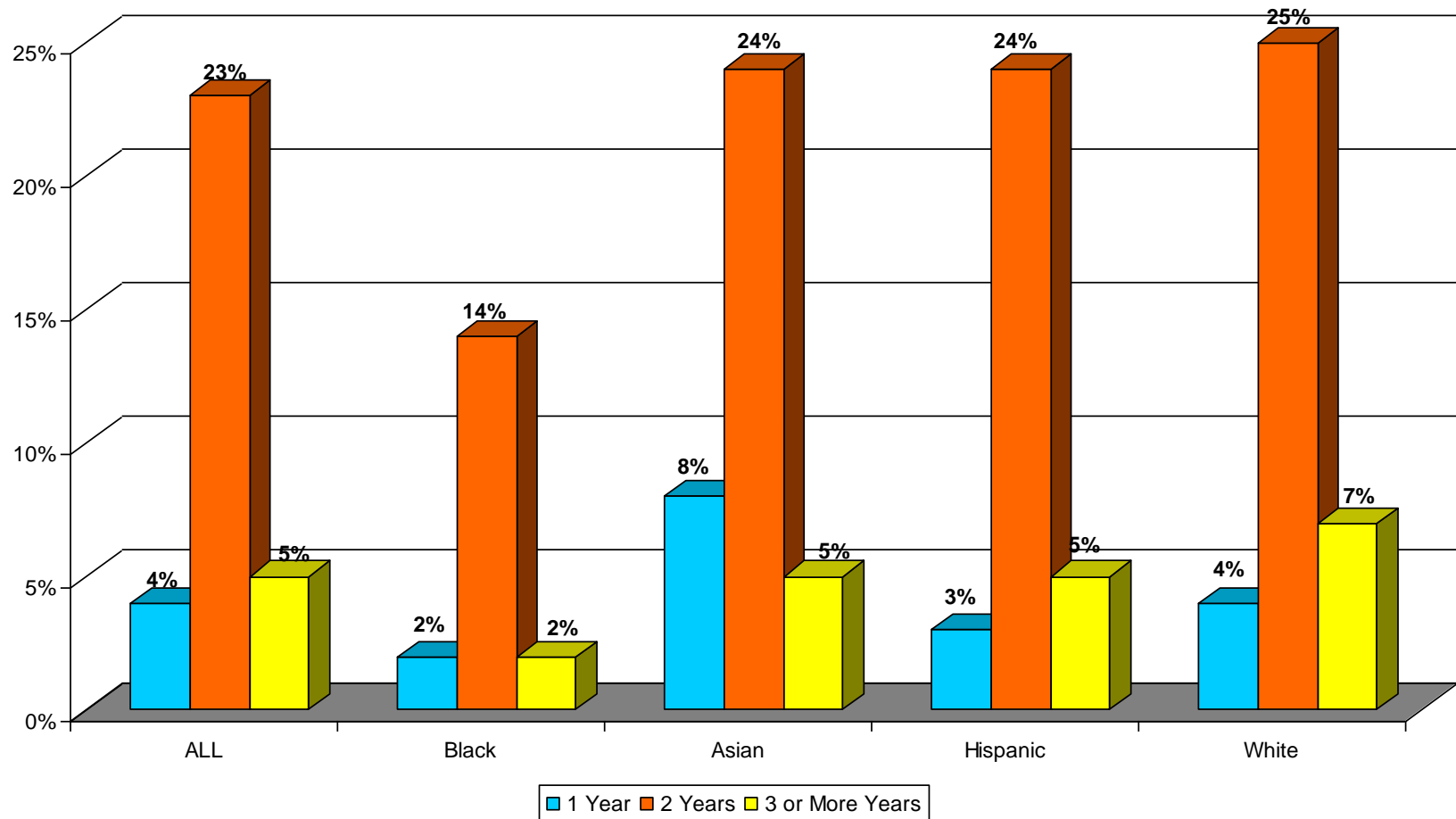
Percent Taking AP Calculus AB and Scoring 3+ By Number of Years of Calculus By Ethnicity



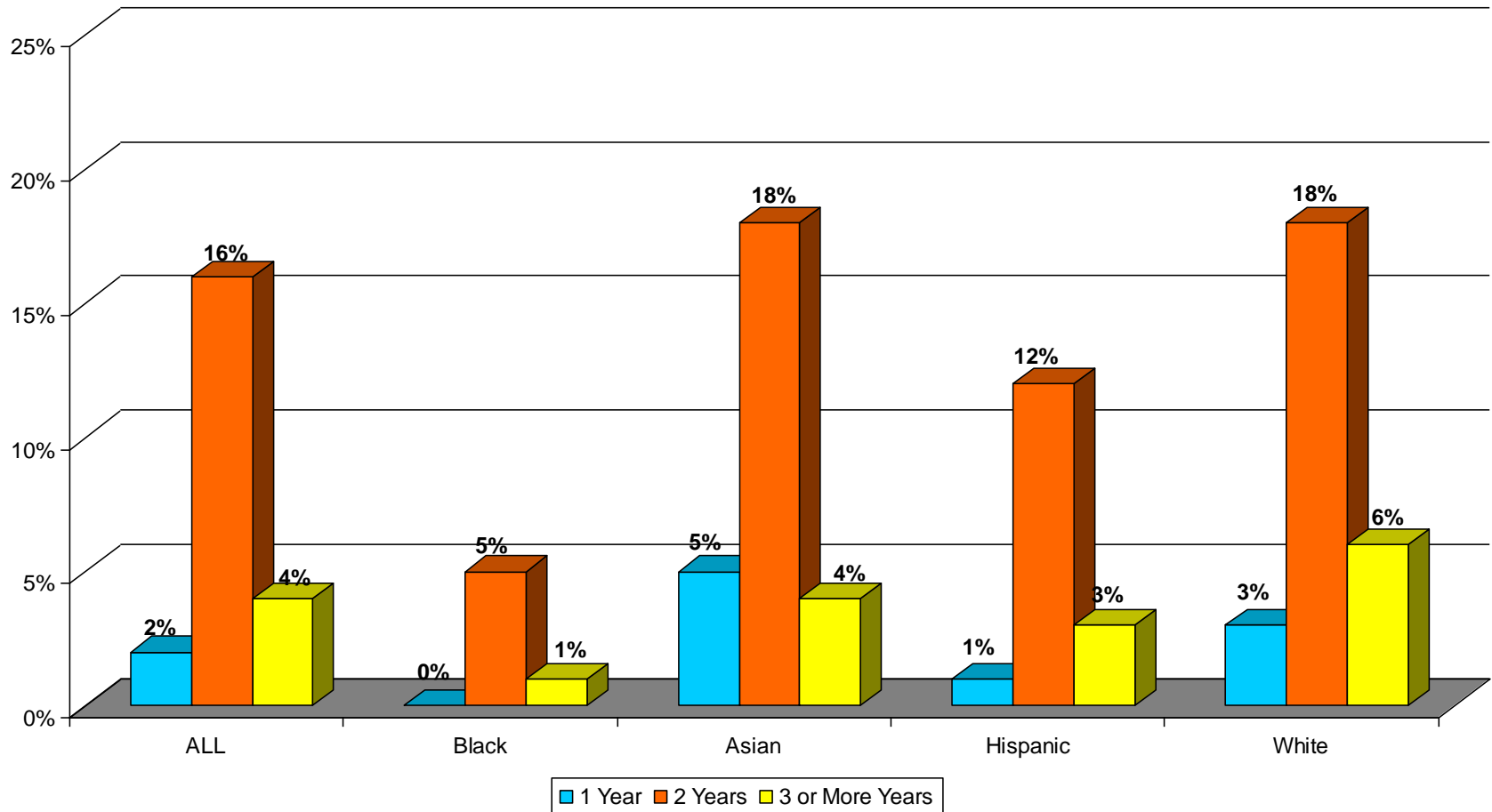
Average SAT Math Scores for Students Taking AP Calculus AB By Ethnicity



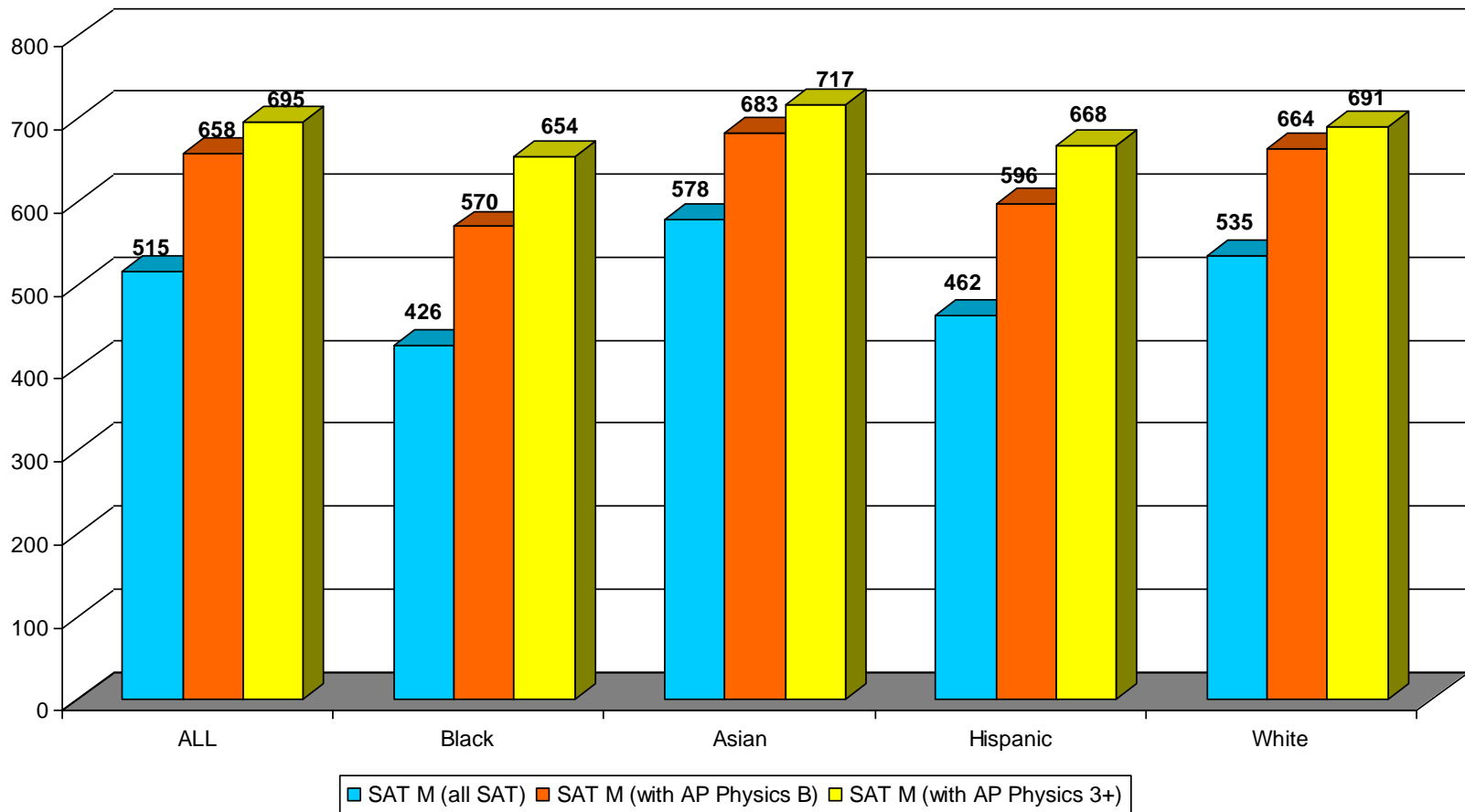
Percent Taking AP Physics B By Number of Years of Physics by Ethnicity



Percent Taking AP Physics B and Scoring 3+ By Number of Years of Physics By Ethnicity



Average SAT Math Scores for Students Taking AP Physics B By Ethnicity



Questions, Comments, Suggestions

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