PATHWAYS TO SUCCESS: Participation and Performance for Latino Students in the 2007 SAT® Cohort


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Hispanic Students

• Hispanic Students are one of the largest minority groups in the United States, and continues to have a growing population.

• Overall, Hispanic students are less likely to enroll in college than those students of other ethnicities.

• Hispanic Students students have been found to be at a disadvantage in terms of post-secondary access and degree attainment.
Hispanic Students

• Hispanic students, on average, do not perform at the same level as students of other ethnic groups even when income and parental education are taken into account.

• Hispanic 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 pathways to success for schools and communities to increase the achievement of Hispanic students 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
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, mathematics, 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
  - Plans to Seek Help
  - College Location Choice
  - Housing Plans
  - Plans to Work Part Time
Students in the 2007 SAT® Cohort by Ethnicity
Students in the 2007 SAT® Cohort by Hispanic Origin

- Other Hispanic, Latino, or Latin American: 52%
- Mexican or Mexican American: 36%
- Puerto Rican: 12%
Students in the SAT® Cohort by Ethnicity 2003-2007

In Thousands

<table>
<thead>
<tr>
<th>Year</th>
<th>American Indian or Alaskan Native</th>
<th>Asian</th>
<th>African American/Black</th>
<th>Hispanic</th>
<th>White</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>101</td>
<td>39.1</td>
<td>7.5</td>
<td>46.6</td>
<td>8.2</td>
<td>8.2</td>
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<tr>
<td>2004</td>
<td>125.7</td>
<td>107.5</td>
<td>112.5</td>
<td>135</td>
<td>58.2</td>
<td>8.9</td>
</tr>
<tr>
<td>2005</td>
<td>138</td>
<td>138</td>
<td>122.3</td>
<td>147.2</td>
<td>54.5</td>
<td>9.3</td>
</tr>
<tr>
<td>2006</td>
<td>153.1</td>
<td>150.6</td>
<td>138.3</td>
<td>150.6</td>
<td>53.9</td>
<td>9.9</td>
</tr>
<tr>
<td>2007</td>
<td>159.8</td>
<td>168.5</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
Students in the SAT® Cohort by Ethnicity
2003-2007

In Thousands

2003 2004 2005 2006 2007

American Indian or Alaskan Native
Asian
African American/Black
Hispanic
Other

Female / Male Students in the 2007 SAT® Cohort by Ethnicity

- American Indian or Alaskan Native: 53% Female, 47% Male
- Asian: 51% Female, 49% Male
- African American/Black: 58% Female, 42% Male
- Hispanic: 57% Female, 43% Male
- White: 53% Female, 47% Male
- Other: 56% Female, 44% Male

0% - 60% scale for percentage.
Students in the 2007 SAT® Cohort by Ethnicity and CB Region

- **American Indian or Alaskan Native**
- **Asian**
- **African American/Black**
- **Hispanic**
- **White**

**New England**
- American Indian or Alaskan Native: 0.8%
- Asian: 6%
- African American/Black: 6%
- Hispanic: 79%
- White: 0.6%

**Middle States**
- American Indian or Alaskan Native: 0.6%
- Asian: 7%
- African American/Black: 14%
- Hispanic: 66%
- White: 5%

**South**
- American Indian or Alaskan Native: 0.7%
- Asian: 5%
- African American/Black: 20%
- Hispanic: 62%
- White: 9%

**Midwest**
- American Indian or Alaskan Native: 0.5%
- Asian: 6%
- African American/Black: 7%
- Hispanic: 5%
- White: 66%

**Southwest**
- American Indian or Alaskan Native: 0.8%
- Asian: 7%
- African American/Black: 12%
- Hispanic: 26%
- White: 10%

**West**
- American Indian or Alaskan Native: 1.1%
- Asian: 6%
- African American/Black: 19%
- Hispanic: 49%
- White: 20%
First Generation and Non-First Generation Students in the 2007 SAT® Cohort by Ethnicity

Percent of First Generation

- White: 49%
- Hispanic: 20%
- African American/Black: 17%
- Asian: 9%
- Other: 4%
- AI/AN: 1%

Percent of Non First Generation Students

- White: 68%
- Hispanic: 8%
- African American/Black: 9%
- Asian: 10%
- Other: 4%
- AI/AN: 1%
First Generation and Non-First Generation Students in the 2007 SAT® Cohort by Hispanic Origin

- **Hispanic**
  - First Generation: 59%
  - Non First Generation: 41%

- **Mexican or Mexican American**
  - First Generation: 68%
  - Non First Generation: 32%

- **Puerto Rican**
  - First Generation: 49%
  - Non First Generation: 51%

- **Other Hispanic, Latino, or Latin American**
  - First Generation: 55%
  - Non First Generation: 45%
Household Income by Ethnicity for Students in the 2007 SAT® Cohort

- **$30K or Less**
  - African American/Black: 36%
  - Hispanic: 36%
  - White: 8%

- **$30K-$50K**
  - African American/Black: 28%
  - Hispanic: 27%
  - White: 22%

- **$50K-$70K**
  - African American/Black: 14%
  - Hispanic: 13%
  - White: 16%

- **$70K-$100K**
  - African American/Black: 13%
  - Hispanic: 13%
  - White: 24%

- **$100K**
  - African American/Black: 9%
  - Hispanic: 11%
  - White: 30%
SAT Performance of Students in the 2007 SAT® Cohort

- SAT Performance
- Academic Preparation
- College Aspirations
- Pathways to Success
### 2007 SAT® Mean Scores by Ethnicity

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Critical Reading</th>
<th>Mathematics</th>
<th>Writing</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Indian or Alaskan Native</td>
<td>487</td>
<td>494</td>
<td>473</td>
</tr>
<tr>
<td>Asian</td>
<td>514</td>
<td>578</td>
<td>513</td>
</tr>
<tr>
<td>African American/Black</td>
<td>433</td>
<td>429</td>
<td>425</td>
</tr>
<tr>
<td>Hispanic</td>
<td>458</td>
<td>461</td>
<td>449</td>
</tr>
<tr>
<td>White</td>
<td>527</td>
<td>534</td>
<td>518</td>
</tr>
<tr>
<td>Other</td>
<td>497</td>
<td>512</td>
<td>493</td>
</tr>
</tbody>
</table>
# 2007 SAT® Mean Scores by Hispanic Origin

<table>
<thead>
<tr>
<th>National: 2007 SAT Mean Scores by Ethnicity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<tr>
<td><strong>Critical Reading</strong></td>
</tr>
<tr>
<td>----------------------</td>
</tr>
<tr>
<td>Hispanic</td>
</tr>
<tr>
<td>Mexican or Mexican American</td>
</tr>
<tr>
<td>Puerto Rican</td>
</tr>
<tr>
<td>Other Hispanic, Latino, or Latin American</td>
</tr>
</tbody>
</table>
## 2007 SAT® Mean Scores by Gender-Ethnicity

<table>
<thead>
<tr>
<th>Gender-Ethnicity</th>
<th>Critical Reading</th>
<th>Mathematics</th>
<th>Writing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>American Indian or Alaskan Native</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Female</td>
<td>485</td>
<td>478</td>
<td>478</td>
</tr>
<tr>
<td>Male</td>
<td>490</td>
<td>513</td>
<td>468</td>
</tr>
<tr>
<td><strong>Asian</strong></td>
<td></td>
<td></td>
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<tr>
<td>Female</td>
<td>515</td>
<td>565</td>
<td>519</td>
</tr>
<tr>
<td>Male</td>
<td>513</td>
<td>592</td>
<td>506</td>
</tr>
<tr>
<td><strong>African American/Black</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Female</td>
<td>436</td>
<td>423</td>
<td>433</td>
</tr>
<tr>
<td>Male</td>
<td>429</td>
<td>437</td>
<td>414</td>
</tr>
<tr>
<td><strong>Hispanic</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Female</td>
<td>455</td>
<td>447</td>
<td>452</td>
</tr>
<tr>
<td>Male</td>
<td>461</td>
<td>480</td>
<td>446</td>
</tr>
<tr>
<td><strong>White</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Female</td>
<td>526</td>
<td>519</td>
<td>524</td>
</tr>
<tr>
<td>Male</td>
<td>529</td>
<td>553</td>
<td>511</td>
</tr>
<tr>
<td><strong>Other</strong></td>
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</tr>
<tr>
<td>Female</td>
<td>498</td>
<td>496</td>
<td>499</td>
</tr>
<tr>
<td>Male</td>
<td>497</td>
<td>532</td>
<td>486</td>
</tr>
</tbody>
</table>
College Aspirations of Students in the 2007 SAT® Cohort

SAT Performance

College Aspirations

Academic Preparation

Pathways To Success
Degree Level Goals by Ethnicity of Students in the 2007 SAT® Cohort

- Doctoral: 26% (Black or African American), 24% (Hispanic), 29% (White)
- Masters: 26% (Black or African American), 33% (Hispanic), 29% (White)
- Bachelors: 26% (Black or African American), 22% (Hispanic), 29% (White)
- Cert. or Assc.: 3% (Black or African American), 3% (Hispanic), 2% (White)
- Undecided: 13% (Black or African American), 17% (Hispanic), 24% (White)
College Location Preference by Ethnicity in the 2007 SAT® Cohort

Undecided: African American/Black 15%, Hispanic 17%, White 25%
Outside US: African American/Black 2%, Hispanic 4%, White 3%
Beyond States Bordering Mine: African American/Black 23%, Hispanic 21%, White 27%
In States Bordering Mine: African American/Black 28%, Hispanic 21%, White 23%
In My Home State: African American/Black 49%, Hispanic 51%, White 46%
Close to Home: African American/Black 24%, Hispanic 23%, White 20%
College Location Preference by Ethnicity in the 2007 SAT® Cohort

<table>
<thead>
<tr>
<th>Location</th>
<th>African American/Black</th>
<th>Hispanic</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>At Home</td>
<td>8%</td>
<td>9%</td>
<td>10%</td>
</tr>
<tr>
<td>On-Campus</td>
<td>64%</td>
<td>36%</td>
<td>55%</td>
</tr>
<tr>
<td>Off Campus</td>
<td>4%</td>
<td>5%</td>
<td>3%</td>
</tr>
<tr>
<td>Do Not Know</td>
<td>18%</td>
<td>30%</td>
<td>26%</td>
</tr>
</tbody>
</table>
Plans to Seek Part Time Job by Ethnicity in the 2007 SAT® Cohort

- American Indian or Alaskan Native: 64%
- Asian: 58%
- African American/Black: 67%
- Hispanic: 70%
- White: 61%
Academic Preparation of Students in the 2007 SAT® Cohort

SAT Performance

Academic Preparation

College Aspirations

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

- American Indian or Alaskan Native: 73% Core, 27% Non-Core
- Asian: 74% Core, 26% Non-Core
- African American/Black: 68% Core, 32% Non-Core
- Hispanic: 72% Core, 28% Non-Core
- White: 82% Core, 18% Non-Core
- Other: 74% Core, 26% Non-Core

Legend:
- Core
- Non-Core
PSAT Taker by Ethnicity of Students in the 2007 SAT® Cohort

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>PSAT Taker</th>
<th>Non-PSAT Taker</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Indian or Alaskan Native</td>
<td>73%</td>
<td>27%</td>
</tr>
<tr>
<td>Asian</td>
<td>74%</td>
<td>26%</td>
</tr>
<tr>
<td>African American/Black</td>
<td>77%</td>
<td>23%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>75%</td>
<td>25%</td>
</tr>
<tr>
<td>White</td>
<td>82%</td>
<td>18%</td>
</tr>
<tr>
<td>Other</td>
<td>74%</td>
<td>26%</td>
</tr>
</tbody>
</table>
Level of College Preparation by Ethnicity in the 2007 SAT® Cohort – Calculus Course Taken

- American Indian or Alaskan Native: 37%, 63%
- Asian: 66%, 25%
- African American/Black: 25%, 35%
- Hispanic: 75%, 35%
- White: 49%, 51%
- Other: 48%, 52%

Legend: Calculus Taken, No Calculus Taken
Level of College Preparation by Ethnicity in the 2007 SAT® Cohort – Calculus Course Taken

Mean SAT Math Scores by Calculus Course Taken

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Calculus Taken</th>
<th>No Calculus Taken</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Indian or Alaskan Native</td>
<td>580</td>
<td>460</td>
</tr>
<tr>
<td>Asian</td>
<td>643</td>
<td>506</td>
</tr>
<tr>
<td>African American/Black</td>
<td>521</td>
<td>410</td>
</tr>
<tr>
<td>Hispanic</td>
<td>553</td>
<td>437</td>
</tr>
<tr>
<td>White</td>
<td>614</td>
<td>495</td>
</tr>
<tr>
<td>Other</td>
<td>597</td>
<td>467</td>
</tr>
</tbody>
</table>

**Calculus Taken**

**No Calculus Taken**
Level of College Preparation by Ethnicity in the 2007 SAT® Cohort – Physics Course Taken

Mean SAT Math Scores by Physics Course

- American Indian or Alaskan Native: 529 (Physics Taken), 455 (No Physics Taken)
- Asian: 605 (Physics Taken), 513 (No Physics Taken)
- African American/Black: 495 (Physics Taken), 433 (No Physics Taken)
- Hispanic: 569 (Physics Taken), 492 (No Physics Taken)
- White: 547 (Physics Taken), 463 (No Physics Taken)

Legend:
- Physics Taken
- No Physics Taken
Pathways To Success

SAT Performance

Academic Preparation

College Aspirations

Pathways To Success
Questions, Comments, Suggestions

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• Please forward any questions, comments, and suggestions to:
  
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