Participation and Performance for Native American Students in the 2007 SAT® Cohort

Native American Student Advocacy Institute,
May 20-21, 2008

John Lee
The College Board
Students in the 2007 SAT® Cohort by Ethnicity

- **White**: 55%
- **Hispanic**: 11%
- **African American/Black**: 11%
- **Asian**: 9%
- **American Indian or Alaskan Native**: 1%
- **No Response**: 9%
- **Other**: 4%

**2002-2007 Changes**
- **Total**: +13%
- **White**: +38%
- **Hispanic**: +27%
Students in the SAT® Cohort by Ethnicity 2003-2007

<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>9.3</td>
<td>9.9</td>
</tr>
<tr>
<td>2004</td>
<td>125.7</td>
<td>107.5</td>
<td>112.5</td>
<td>8.2</td>
<td>8.9</td>
<td></td>
</tr>
<tr>
<td>2005</td>
<td>138</td>
<td>122.3</td>
<td>135</td>
<td>58.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2006</td>
<td>153.1</td>
<td>147.2</td>
<td>150.6</td>
<td>9.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>168.5</td>
<td></td>
<td>159.8</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

In Thousands
Students in the SAT® Cohort by Ethnicity 2003-2007

In Thousands

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

Native American Student Advocacy Institute, May 20-21, 2008
### Students in the 2007 SAT® Cohort by Ethnicity and Gender

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Indian or Alaskan Native</td>
<td>53%</td>
<td>47%</td>
</tr>
<tr>
<td>Asian</td>
<td>51%</td>
<td>49%</td>
</tr>
<tr>
<td>African American/Black</td>
<td>58%</td>
<td>42%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>57%</td>
<td>43%</td>
</tr>
<tr>
<td>White</td>
<td>53%</td>
<td>47%</td>
</tr>
<tr>
<td>Other</td>
<td>56%</td>
<td>44%</td>
</tr>
</tbody>
</table>
Students in the 2007 SAT® Cohort by Ethnicity and CB Region

<table>
<thead>
<tr>
<th>Region</th>
<th>American Indian or Alaskan Native</th>
<th>Asian</th>
<th>African American/Black</th>
<th>Hispanic</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>New England</td>
<td>0.6%</td>
<td>5%</td>
<td>6%</td>
<td>6%</td>
<td>79%</td>
</tr>
<tr>
<td>Middle States</td>
<td>0.6%</td>
<td>7%</td>
<td>14%</td>
<td>9%</td>
<td>66%</td>
</tr>
<tr>
<td>South</td>
<td>0.7%</td>
<td>5%</td>
<td>20%</td>
<td>19%</td>
<td>62%</td>
</tr>
<tr>
<td>Midwest</td>
<td>0.5%</td>
<td>6%</td>
<td>7%</td>
<td>3%</td>
<td>81%</td>
</tr>
<tr>
<td>Southwest</td>
<td>0.8%</td>
<td>7%</td>
<td>12%</td>
<td>26%</td>
<td>51%</td>
</tr>
<tr>
<td>West</td>
<td>1.1%</td>
<td>6%</td>
<td>19%</td>
<td>20%</td>
<td>49%</td>
</tr>
</tbody>
</table>
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%
Household Income by Ethnicity for Students in the 2007 SAT® Cohort

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

### Income Levels
- **$30K or Less**
  - American Indian or Alaskan Native: 19%
  - Asian: 29%
  - African American/Black: 36%
  - Hispanic: 36%
  - White: 8%
- **$30K-$50K**
  - American Indian or Alaskan Native: 26%
  - Asian: 23%
  - African American/Black: 28%
  - Hispanic: 22%
  - White: 17%
- **$50K-$70K**
  - American Indian or Alaskan Native: 19%
  - Asian: 17%
  - African American/Black: 14%
  - Hispanic: 16%
  - White: 13%
- **$70K-$100K**
  - American Indian or Alaskan Native: 17%
  - Asian: 19%
  - African American/Black: 13%
  - Hispanic: 19%
  - White: 19%
- **$100K**
  - American Indian or Alaskan Native: 19%
  - Asian: 18%
  - African American/Black: 11%
  - Hispanic: 13%
  - White: 9%
Household Income of Native American Students in the 2007 SAT® Cohort

- $30K or Less: 19%
- $30K-$50K: 26%
- $50K-$70K: 17%
- $70K-$100K: 19%
- $100K or More: 19%

American Indian or Alaskan Native
SAT Performance of Students in the 2007 SAT® Cohort

- SAT Performance
- Academic Preparation
- College Aspirations
- AP 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><strong>American Indian or Alaskan Native</strong></td>
<td>487</td>
<td>494</td>
<td>473</td>
</tr>
<tr>
<td><strong>Asian</strong></td>
<td>514</td>
<td>578</td>
<td>513</td>
</tr>
<tr>
<td><strong>African American/Black</strong></td>
<td>433</td>
<td>429</td>
<td>425</td>
</tr>
<tr>
<td><strong>Hispanic</strong></td>
<td>458</td>
<td>461</td>
<td>449</td>
</tr>
<tr>
<td><strong>White</strong></td>
<td>527</td>
<td>534</td>
<td>518</td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td>497</td>
<td>512</td>
<td>493</td>
</tr>
</tbody>
</table>
2007 SAT® Mean Scores by Ethnicity

- **American Indian or Alaskan Native**
  - Critical Reading: 487
  - Mathematics: 494
  - Writing: 473

- **Asian**
  - Critical Reading: 514
  - Mathematics: 578
  - Writing: 513

- **African American/Black**
  - Critical Reading: 433
  - Mathematics: 429
  - Writing: 425

- **Hispanic**
  - Critical Reading: 458
  - Mathematics: 461
  - Writing: 449

- **White**
  - Critical Reading: 527
  - Mathematics: 534
  - Writing: 518

- **Other**
  - Critical Reading: 497
  - Mathematics: 512
  - Writing: 493

Legend:
- Blue: Critical Reading
- Orange: Mathematics
- Yellow: Writing
## 2007 SAT® Mean Scores by Gender-Ethnicity

<table>
<thead>
<tr>
<th></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>
<td></td>
</tr>
<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>
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<tr>
<td><strong>White</strong></td>
<td></td>
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<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>
<td></td>
<td></td>
<td></td>
</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

Academic Preparation

College Aspirations

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

- **Doctoral**: American Indian or Alaskan Native (20%), Black or African American (26%), White (28%), Undecided (29%)
- **Masters**: American Indian or Alaskan Native (28%), Black or African American (16%), White (32%), Undecided (29%)
- **Bachelors**: American Indian or Alaskan Native (27%), Black or African American (26%), White (29%), Undecided (27%)
- **Cert. or Assc.**: American Indian or Alaskan Native (3%), Black or African American (3%), White (5%), Undecided (21%)
- **Undecided**: American Indian or Alaskan Native (21%), Black or African American (24%), White (24%), Undecided (21%)
College Location Preference by Ethnicity in the 2007 SAT® Cohort

- American Indian or Alaskan Native
- African American/Black
- White

Preferential Locations:
- Undecided
- Outside US
- Beyond States Bordering Mine
- In States Bordering Mine
- In My Home State
- Close to Home

Percentage Distribution:

- Undecided: 22%
- Outside US: 25%
- Beyond States Bordering Mine: 22%
- In States Bordering Mine: 20%
- In My Home State: 45%
- Close to Home: 21%
College Location Preference by Ethnicity in the 2007 SAT® Cohort

- At Home: American Indian or Alaskan Native 11%, African American/Black 8%, White 9%
- On-Campus: American Indian or Alaskan Native 50%, African American/Black 64%, White 55%
- Off Campus: American Indian or Alaskan Native 5%, African American/Black 4%, White 3%
- Do Not Know: American Indian or Alaskan Native 27%, African American/Black 18%, White 26%
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
- College Aspirations
- Academic Preparation
- AP 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
PSAT Taker by Ethnicity of Students in the 2007 SAT® Cohort

American Indian or Alaskan Native: 73% PSAT Taker, 27% Non-PSAT Taker
Asian: 74% PSAT Taker, 26% Non-PSAT Taker
African American/Black: 77% PSAT Taker, 23% Non-PSAT Taker
Hispanic: 75% PSAT Taker, 25% Non-PSAT Taker
White: 82% PSAT Taker, 18% Non-PSAT Taker
Other: 74% PSAT Taker, 26% Non-PSAT Taker
Level of College Preparation by Ethnicity in the 2007 SAT® Cohort – 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>63%</td>
<td>37%</td>
</tr>
<tr>
<td>Asian</td>
<td>66%</td>
<td>34%</td>
</tr>
<tr>
<td>African American/Black</td>
<td>75%</td>
<td>25%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>65%</td>
<td>35%</td>
</tr>
<tr>
<td>White</td>
<td>49%</td>
<td>51%</td>
</tr>
<tr>
<td>Other</td>
<td>48%</td>
<td>52%</td>
</tr>
</tbody>
</table>

Calculus Taken vs. 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>
Level of College Preparation by Ethnicity in the 2007 SAT® Cohort – Physics Course Taken

- American Indian or Alaskan Native: 65% Physics Taken, 35% No Physics Taken
- Asian: 81% Physics Taken, 19% No Physics Taken
- African American/Black: 59% Physics Taken, 41% No Physics Taken
- Hispanic: 65% Physics Taken, 35% No Physics Taken
- White: 72% Physics Taken, 28% No Physics Taken
- Other: 73% Physics Taken, 27% No Physics Taken
Level of College Preparation by Ethnicity in the 2007 SAT® Cohort – Physics Course Taken

Mean SAT Math Scores by Physics Course

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Physics Taken</th>
<th>No Physics Taken</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Indian or Alaskan Native</td>
<td>529, 455</td>
<td>459</td>
</tr>
<tr>
<td>Asian</td>
<td>605, 513</td>
<td>513</td>
</tr>
<tr>
<td>African American/Black</td>
<td>459, 407</td>
<td>407</td>
</tr>
<tr>
<td>Hispanic</td>
<td>495, 433</td>
<td>433</td>
</tr>
<tr>
<td>White</td>
<td>569, 492</td>
<td>492</td>
</tr>
<tr>
<td>Other</td>
<td>547, 463</td>
<td>463</td>
</tr>
</tbody>
</table>
Questions, Comments, Suggestions

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

  - jlee@collegeboard.org