## Indiana SAT Scores by Race/Ethnicity

There has been increased interest and activity over the past few years regarding university policy and practice for improving the academic quality of incoming students while enhancing the commitment to diversity. With regard to the academic quality of incoming students, two years ago the Board of Trustees approved an admissions policy for IU Bloomington that reaffirms the use of SAT/ACT scores as one among a number of criteria to be considered in undergraduate admissions, with preference given to students who score above the state (for residents) or national (for nonresidents) average. The Board of Trustees also approved an admissions policy for IUPUI that considers SAT/ACT scores and gives preference to students who score at or above the state average. SAT/ACT scores may also be reviewed and considered by the regional campuses in making admissions decisions. With regard to diversity, last year the Board of Trustees approved a goal of doubling the enrollment of underrepresented minorities on the Bloomington campus by 2013-14. More recently, other IU campuses have been charged with developing campus plans to increase underrepresented minority enrollment.

The purpose of this issue of FYIU is to inform further the development of policy and practice related to the joint realization of these academic quality and diversity goals. Specifically, we explore past and potential future trends in Indiana's SAT scores by race/ethnicity. This analysis uses information on Indiana's college-bound seniors provided by the College Board and on public high school enrollment numbers provided by the National Center for Education Statistics. ${ }^{1}$

In presenting this information, we do not intend to suggest that SAT/ACT scores are or should be the only measures of academic achievement considered by IU campuses in admissions decisions. All IU admissions offices employ a holistic approach to assessing student potential. Nor do we propose that they should be the only measures of the academic quality of entering cohorts. Moreover, we do not wish to promote any unfound assumptions about the validity of such scores in predicting the academic achievement of first-year students from different backgrounds. However, we believe it is important to review the recent and possible future trends given the stated role of SAT/ACT scores in

[^0]current campus admissions policies and practices. It is also important to note here that SAT/ACT scores are considered only for admissions decisions regarding recent high school graduates, who are not the majority of new students on many IU campuses. Admission considerations of transfer students and of students who have delayed their college entry include different criteria.

Some information provided in this issue is based on projections about the future - specifically, future high school enrollments and future SAT takers. ${ }^{2}$ Such projections often do not pan out as expected for a variety of reasons. In fact, part of our motivation for presenting these projections is to promote the development of policy and practice that shapes a different future. In a sense, these projections serve as a warning as to what might occur if current conditions prevail.

## Summary of Findings

Between 1998 and 2007...

- Twelfth-grade enrollment in Indiana public high schools increased by 7\%, and It is expected to increase by another $4 \%$ over the next decade. Much of this growth is the result of an increasing school-age Hispanic population.
- The number of African American and Hispanic SAT takers in the state increased at a slower rate than their respective $12^{\text {th }}$ grade enrollments. While the number of these students taking the SAT is expected to increase over the next decade, this projected increase will not overcome current racial/ethnic imbalances in Indiana's four-year college-bound population.
- SAT verbal and math scores increased slightly for African American and Hispanic Hoosiers. Although the state's racial/ethnic gap in verbal and mathematics achievement remains large, it has decreased some over time.
- African American and Hispanic students were especially underrepresented among SAT takers scoring at or above the state average on the verbal and math tests. If the current trend continues, African Americans and Hispanics will represent roughly $3 \%$ and $6 \%$ (respectively) of all SAT takers in the state who earn higher than a 500 on the verbal and math tests.

[^1]
## 2007 Indiana SAT Verbal Scores

Between 1998 and 2007, SAT verbal scores did not change substantially for the overall Indiana collegebound population. Verbal scores increased slightly for African Americans and Hispanics and decreased slightly for White students (See Table 1). Given some change in these average verbal scores, the racial/ethnic gap in verbal achievement has decreased slightly over time (from 79 to 75 points for African Americans and from 47 to 41 points for Hispanics).

Table 1.

Indiana SAT Verbal Scores

|  | 1998 |  | 2007 |  |
| :--- | :---: | :---: | :---: | :---: |
|  | Mean | SD | Mean | SD |
| Afr. Am | 426 | 94 | 428 | 91 |
| Hisp. | 458 | 97 | 464 | 92 |
| White | 505 | 95 | 503 | 96 |
| Total $^{\dagger}$ | 497 | 99 | 497 | 99 |
| ${ }^{\dagger}$ Total also includes American Indians, Asians, students who marked |  |  |  |  |
| 'Other' and students who did not respond to the race item |  |  |  |  |

An examination of the full distribution of students by verbal score provides a clearer picture of the current racial/ethnic gaps in verbal achievement within the state (See Table 2 and Figure 1). For example, compared to over one-half of all white students, only $21 \%$ of African American students and $35 \%$ of Hispanic students have a verbal score above 500. Only 3\% and 7\% of African Americans and Hispanics, respectively, score above 600 on the verbal test, compared to $16 \%$ of white students. Given their relative size within the college-bound population, these small percentages of African American and Hispanic students that score well above the state average on the SAT verbal test translate into very small numbers of students (e.g., 78 African Americans and 95 Hispanics score above 600) who are excelling in verbal reasoning as defined by this criterion.

Table 2.
Estimated Number and Percentage of IN 2007 College-Bound Seniors Above SAT Verbal Scores

|  |  | SAT > 400 |  | SAT $>500$ |  | SAT $>600$ |  | SAT > 700 |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | Total | Number | $\%$ | Number | $\%$ | Number | $\%$ | Number | $\%$ |
| Afr. Am. | 2,658 | 1,650 | $62 \%$ | 570 | $21 \%$ | 78 | $3 \%$ | 4 | $0 \%$ |
| Hisp. | 1,366 | 1,032 | $76 \%$ | 474 | $35 \%$ | 95 | $7 \%$ | 7 | $1 \%$ |
| White | 34,398 | 29,525 | $86 \%$ | 17,628 | $51 \%$ | 5,371 | $16 \%$ | 691 | $2 \%$ |
| Total $^{\dagger}$ | 42,911 | 35,839 | $84 \%$ | 20,890 | $49 \%$ | 6,375 | $15 \%$ | 876 | $2 \%$ |

${ }^{\dagger}$ Total also includes American Indians, Asians, students who marked 'Other' and students who did not respond to the race item

Figure 1.


## 2007 Indiana SAT Math Scores

Over the past decade, SAT math scores increased for the overall Indiana college-bound population and for students in all reported racial/ethnic subgroups (See Table 3). Increases in average math scores for African Americans and Hispanics were larger than the increase in the average math score for white students, decreasing the racial/ethnic gap in mathematics achievement (from 97 to 89 points for African Americans and from 55 to 43 points for Hispanics).

Table 3.

Indiana SAT Math Scores

|  | 1998 |  | 2007 |  |
| :--- | :---: | ---: | :---: | ---: |
|  | Mean | SD | Mean | SD |
| Afr. Am | 411 | 94 | 425 | 90 |
| Hisp. | 453 | 99 | 471 | 95 |
| White | 508 | 101 | 514 | 96 |
| Total $^{+}$ | 500 | 104 | 507 | 100 |
| ${ }^{\dagger}$ Total also includes American Indians, Asians, students who marked |  |  |  |  |
| 'Other' and students who did not respond to the race item |  |  |  |  |

An examination of the full distribution of students by math score provides a clearer picture of the existing racial/ethnic gaps in mathematics achievement within the state (See Table 4 and Figure 2). For example, compared to over one-half of all white students, only $20 \%$ of African American students and $38 \%$ of Hispanic students have a math score above 500. Only 3\% and 9\% of African Americans and Hispanics, respectively, score above 600 on the math test, compared to $19 \%$ of white students. Given their relative size within the collegebound population, these small percentages of African American and Hispanic students that score well above the state average on the SAT math test translate into very small numbers of students (e.g., 69 African Americans and 120 Hispanics score above 600) who are excelling in mathematics as defined by this criterion.

Table 4.
Estimated Number and Percentage of IN 2007 College-Bound Seniors Above SAT Math Scores

|  | Total | SAT > 400 |  | SAT > 500 |  | SAT > 600 |  | SAT > 700 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Number | \% | Number | \% | Number | \% | Number | \% |
| Afr. Am. | 2,658 | 1,620 | 61\% | 538 | 20\% | 69 | 3\% | 3 | 0\% |
| Hisp. | 1,366 | 1,056 | 77\% | 521 | 38\% | 120 | 9\% | 11 | 1\% |
| White | 34,398 | 30,356 | 88\% | 19,193 | 56\% | 6,370 | 19\% | 906 | 3\% |
| Total ${ }^{+}$ | 42,911 | 36,807 | 86\% | 22,680 | 53\% | 7,547 | 18\% | 1,161 | 3\% |

Figure 2.


## Public High School $12^{\text {th }}$ Grade Enrollment

Over the past ten years, $12^{\text {th }}$ grade enrollment among Indiana public high schools has increased by an estimated 7\%, from a count of 64,829 in graduation year 1998 to a projected count of 69,084 in graduation year 2007 (See Table 5). ${ }^{3}$ Over the next decade, $12^{\text {th }}$ grade enrollment is expected to increase by an additional $4 \%$, up to a projected count of 71,859 by graduation year 2016. Much of this growth is the result of an increasing school-age Hispanic population within the state. Between 1998 and 2007, Hispanic $12^{\text {th }}$ grade enrollment increased by an estimated $88 \%$, and between 2007 and 2016, Hispanic $12^{\text {th }}$ grade enrollment is expected to increase by $155 \%$. This large projected increase in the Hispanic high school-aged population will put their enrollment numbers on par with those of African Americans, and it will alter the racial/ethnic representation of high school seniors from the current $16 \%$ who are students of color to a projected $23 \%$ who are students of color by 2016.

Table 5.
Indiana Public High School $12^{\text {th }}$ Grade Enrollment (Actual and Projected), by Race

|  | 1998 | $2007{ }^{+}$ | $2016{ }^{+}$ | \% Change '98-‘07 ${ }^{+}$ | \% Change $\text { } 07-16^{\dagger}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Number |  |  |  |  |  |
| African American | 5,626 | 6,933 | 7,585 | 23\% | 9\% |
| Hispanic | 1,490 | 2,805 | 7,160 | 88\% | 155\% |
| White | 56,985 | 58,201 | 55,289 | 2\% | -5\% |
| Other* | 728 | 1,145 | 1,824 | 57\% | 59\% |
| Year Total | 64,829 | 69,084 | 71,859 | 7\% | 4\% |
| \% of Year Total |  |  |  |  |  |
| African American | 9\% | 10\% | 11\% |  |  |
| Hispanic | 2\% | 4\% | 10\% |  |  |
| White | 88\% | 84\% | 77\% |  |  |
| Other ${ }^{*}$ | 1\% | 2\% | 3\% |  |  |

Source: Common Core of Data, National Center for Education Statistics
${ }^{\dagger}$ Projections based on survival cohort method

* Includes American Indian and Asian students


## SAT College-Bound Seniors

Between 1998 and 2007, the number of college-bound seniors taking the SAT increased by 10\%, from 39,036 to 42,911 (See Table 6). This ten-year percent increase is greater than the respective percent increase in public high school $12^{\text {th }}$ grade enrollment for the same years (at 7\%), suggesting that over time a greater percentage of seniors took the SAT. We expect this same rate of increase in SAT takers over the next ten years (at 11\%), despite the much lower anticipated growth in $12^{\text {th }}$ grade enrollments (at 4\%) between 2007 and 2016. Again, this means that, over the next ten years, an increasing share of Indiana's senior classes will be college-bound.

Much of this growth in the number of SAT takers is again the result of an increase in the number of Hispanic students who are college-bound. Over the past ten years, the number of Hispanic SAT takers increased by one-half of their 1998 size, and over the next decade, the number of Hispanic SAT takers is expected to more than double in size. Despite this apparent increase over the past decade, however, the number of Hispanic SAT takers has been increasing at a slower rate than Hispanic $12^{\text {th }}$ grade enrollments ( $51 \%$ compared to $88 \%$ ). This trend suggests that, despite a greater number of Hispanic SAT takers over the past decade, college-bound Hispanic students made up a smaller proportion of all Hispanic $12^{\text {th }}$ graders. This trend over the past decade is similar for African Americans ( $19 \%$ compared to $23 \%$ ), but it is in the opposite direction for white students ( $8 \%$ compared to $2 \%$ ) and for the state population as a whole (10\%

[^2]compared to 7\%). In contrast to these past trends, according to our projections, over the next decade the percent change in the number of SAT takers will be more comparable to the percent change in $12^{\text {th }}$ grade enrollments for African American, Hispanic, and white students. This means that the inequities in college participation rates should decrease somewhat over the next decade. It would require larger percent increases in the number of Hispanic and African American SAT takers than those projected, however, to overcome current racial/ethnic imbalances in Indiana's college-bound population.

Table 6.
Indiana SAT Takers (Actual and Projected), by Race

|  |  |  |  | \% Change |
| :--- | ---: | ---: | ---: | ---: | ---: |
| '98-‘07 |  |  |  |  |$\quad$| \% Change |
| :--- |
| '07-'16 |

Source: College-Bound Seniors, College Board
${ }^{\dagger}$ Projections based on survival cohort method and regression analysis

* Includes American Indians, Asians, students who marked 'Other' and students who did not reply to the item

Due to discrepancies between the racial/ethnic categories that appear in the Common Core of Data (CCD) and SAT state reports, percentages located in the bottom of Table 5 and Table 6 should not be directly compared. ${ }^{4}$ An examination of how the percentages change over time, however, is important to consider. For all racial/ethnic groups but African Americans, the change in the racial/ethnic representation of SAT takers is in the same direction as the change in racial/ethnic representation among $12^{\text {th }}$ graders at public high schools. For African Americans, however, their representation among SAT takers remains constant despite an increase over time in their representation among $12^{\text {th }}$ graders.

## SAT College-Bound Seniors above State Average on the Verbal Test ${ }^{5}$

Over the past decade, the estimated total number of Indiana college-bound seniors who scored above 500 (i.e., approximately the state average in 1998) on the SAT verbal test increased by 9\%, from 19,710 in 1998 20,890 in 2007 (See Table 7). The percent increase over the next decade in the number of students above this same score is projected to be only slightly higher, at $12 \%$. In both instances, the percent change in students above this particular score is comparable to the percent change in the total number of SAT takers. This suggests that, in the future, approximately one-half of SAT takers will score above 500. This, in turn, suggests that the state average on the verbal test, currently at approximately 500 , will not change substantially over the coming decade.

[^3]Although there appears to be little change over time in the percentage of students who score above the state average on the verbal test of the SAT, this trend, based on all students, masks some important differences by race/ethnicity. Specifically, the 1998-07 percent change and the projected 2007-16 percent change in the number of Hispanic students that score above the state average are greater in magnitude than the comparable percent changes in the total number of Hispanic SAT takers. This trend suggests that increases over time in the number of Hispanic students that score above the state average are not only due to shifts in the population who take the SAT, but are also due to an increase in the average verbal SAT score for this racial/ethnic group over time. Currently, $35 \%$ of Hispanics score above 500 on the verbal test, compared to $33 \%$ in 1998. By 2016, a projected $36 \%$ will score above 500 on this test. Due to this projected increase both in the number of Hispanics taking the SAT and in the test scores of these students, by 2016, Hispanic students will represent a projected $5 \%$ of the college-bound population with an SAT verbal score above 500, compared to $2 \%$ of that same population currently. This increased representation by 2016, however, still falls short of the representation of Hispanic students within the larger SAT taking population during the comparable time period (at 7\%).

Table 7.
Indiana SAT Takers with Verbal Score Above 500 (Estimated and Projected), by Race

|  | 1998 |  | 2007 |  | $2016{ }^{+}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% of Race | Number | \% of Race | Number | \% of Race |  |  |
| Afr. Am. | 480 | 22\% | 570 | 21\% | 631 | 22\% | 19\% | 11\% |
| Hisp. | 301 | 33\% | 474 | 35\% | 1,242 | 36\% | 57\% | 162\% |
| White | 16,587 | 52\% | 17,628 | 51\% | 17,694 | 52\% | 6\% | <1\% |
| Other ${ }^{*}$ | 1,801 | 44\% | 2,219 | 49\% | 3,905 | 56\% | 23\% | 76\% |
| Year Total | 19,170 | 49\% | 20,890 | 49\% | 23,471 | 49\% | 9\% | 12\% |
| \% of Year Total |  |  |  |  |  |  |  |  |
| Afr. Am. | 3\% |  | 3\% |  | 3\% |  |  |  |
| Hisp. | 2\% |  | 2\% |  | 5\% |  |  |  |
| White | 87\% |  | 84\% |  | 75\% |  |  |  |
| Other ${ }^{*}$ | 9\% |  | 11\% |  | 17\% |  |  |  |
| Total | 100\% |  | 100\% |  | 100\% |  |  |  |

Source: College-Bound Seniors, College Board; Estimates based on score means and standard deviations
${ }^{\dagger}$ Projections based on survival cohort method and regression analysis

* Includes American Indians, Asians, students who marked 'Other' and students who did not reply to the item

The 1998-07 percent change and the 2007-16 percent change in the number of African American students that score above 500 on the verbal test are on par with the comparable percent change in the total number of African American SAT takers. This pattern suggests that the average verbal score for African Americans will not change in the coming years. As fewer than one-quarter of African Americans score above the state average as compared to roughly one-third of Hispanic students and one-half of white students, the representation of African Americans in the college-bound population with an SAT verbal score above the state mean is projected to remain constant at 3\%, falling well short of the representation of African American students within the overall SAT taking population (at 6\%).

## SAT College-Bound Seniors above State Average on the Math Test ${ }^{6}$

Between 1998 and 2007, the estimated total number of Indiana college-bound seniors who have scored above a 500 (i.e., approximately the state average in 1998) on the SAT math test increased by $16 \%, 19,501$ to 22,680 (See Table 8). The percent increase over the next decade in the number of students above this score is projected to be higher, at $19 \%$.

[^4]In both instances, the percent increase over time in the number of students above 500 has outpaced the percent increase in the total number of SAT takers. As a result, the representation of students above 500 has shifted from $50 \%$ to $53 \%$ of the total SAT taking population between 1998 and 2007, and it is projected to shift from $53 \%$ to $57 \%$ between 2007 and 2016. Given the standard properties of SAT scores, this shift in the distribution of students scoring above 500 suggests that the average math score for the state will increase to about 517 by 2016.

Table 8.
Indiana SAT Takers with Math Score Above 500 (Estimated and Projected), by Race

|  | 1998 |  | 2007 |  | $2016{ }^{+}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% of Race | Number | \% of Race | Number | \% of Race |  |  |
| Afr. Am. | 383 | 17\% | 538 | 20\% | 739 | 25\% | 41\% | 37\% |
| Hisp. | 290 | 32\% | 521 | 38\% | 1,558 | 45\% | 80\% | 199\% |
| White | 16,924 | 53\% | 19,193 | 56\% | 20,398 | 60\% | 13\% | 6\% |
| Other* | 1,904 | 47\% | 2,428 | 54\% | 4,332 | 62\% | 28\% | 78\% |
| Year Total | 19,501 | 50\% | 22,680 | 53\% | 27,026 | 57\% | 16\% | 19\% |
| \% of Year Total |  |  |  |  |  |  |  |  |
| Afr. Am. | 2\% |  | 2\% |  | 3\% |  |  |  |
| Hisp. | 1\% |  | 2\% |  | 6\% |  |  |  |
| White | 87\% |  | 85\% |  | 75\% |  |  |  |
| Other ${ }^{*}$ | 10\% |  | 11\% |  | 16\% |  |  |  |
| Total | 100\% |  | 100\% |  | 100\% |  |  |  |

Source: College-Bound Seniors, College Board; Estimates based on score means and standard deviations
${ }_{*}^{\dagger}$ Projections based on survival cohort method and regression analysis

* Includes American Indians, Asians, students who marked 'Other' and students who did not reply to the item

For all racial/ethnic groups presented in this issue, the percent increase between 1998 and 2007 and the projected percent increase between 2007 and 2016 in the number of students scoring above 500 on the math test has outpaced their respective percent increases in the total number of SAT takers over time. This suggests that increases over time in the number of students that score above 500 are due not only to shifts in the number of students who take the SAT, but are also due to increases in the average math SAT score for all racial/ethnic groups. This trend may be most evident for white students, who, despite a projected $1 \%$ decrease in the number taking the SAT in the coming decade, have an anticipated $6 \%$ increase in the number of students scoring above 500 on the math test.

Despite an increase in average SAT math scores over time for all races/ethnicities, these gains do not appear to be large enough for African American and Hispanic students to overcome current patters of underrepresentation among students who score above 500 on this test. By 2016, not quite one-half of all Hispanic SAT takers and only one-quarter of African American SAT takers are projected to score above 500 on the math test. Because close to one-half of all Hispanic students will score above 500, the projected representation of Hispanic students among students who fall above this score (at 6\%) will be only slightly less than their projected representation among all SAT takers (at 7\%). At 3\% of those students scoring above 500 on the math test, African Americans, however, will fall well short of their representation within the overall SAT taking population (at 6\%).

## Conclusions

Indiana University is committed to educating Hoosiers and ensuring that the undergraduate student body represents the increasing diversity of the state. Given current realities regarding the achievement gaps by race/ethnicity, increasing the academic quality of entering students while simultaneously increasing the racial/ethnic representation of undergraduate classes will not be easy. Although the projections provided in this report do not take into consideration
current efforts to close the racial/ethnic achievement gap in high schools, efforts over the past decade have not resulted in substantial changes in SAT scores by race/ethnicity. In general, our projections are based on roughly the same gains in SAT scores that appeared over the last decade. Unless substantially new actions and policies are enacted, the current analysis portends that by 2016, universities such as Purdue, Ball State, Indiana State, and IU will be competing with each other and with in-state private and other out-of-state institutions over the admission of roughly 1500 or fewer Hispanic and fewer than 1000 African American Hoosiers who have attained SAT scores over 500 on the verbal and math tests. There are many possible ways to address this dilemma. We will mention three of them here to stimulate thought:

- Programs and activities aimed at improving the preparation of underrepresented minority students, such as the School of Education's Pathways to Success initiative
- Expanding the use of admission criteria that are more appropriate for predicting the success in college for traditionally underserved populations
- Implementing more extensive and more accessible college preparation and support programs for those who emerge from high school with insufficient credentials

Given the seeming intractability of gaps in SAT/ACT score performance, changing the projected future course will likely require significant efforts in all of these suggested areas as well as several other significant and creative approaches. To aid in this effort, Appendix 4 provides for each Indiana county descriptive indicators of the academic quality and racial/ethnic representation of recent college-bound high school graduates. We hope that this information will be of use as policy makers, university wide and at each campus, work toward the joint realization of increasing the academic quality and diversity of future entering student cohorts.

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App 1 Table 1.
Indiana SAT Takers with Verbal Score Above 550 (Estimated and Projected), by Race

|  | 1998 |  | 2007 |  | $2016{ }^{+}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% of Race | Number | \% of Race | Number | \% of Race |  |  |
| Afr. Am. | 208 | 9\% | 239 | 9\% | 271 | 9\% | 15\% | 13\% |
| Hisp. | 156 | 17\% | 238 | 17\% | 659 | 19\% | 53\% | 177\% |
| White | 10,120 | 32\% | 10,740 | 31\% | 10,678 | 31\% | 6\% | -1\% |
| Other ${ }^{*}$ | 1,111 | 27\% | 1,454 | 32\% | 2,626 | 38\% | 31\% | 81\% |
| Year Total | 11,595 | 30\% | 12,671 | 30\% | 14,234 | 30\% | 9\% | 12\% |
| \% of Year Total |  |  |  |  |  |  |  |  |
| Afr. Am. | 2\% |  | 2\% |  | 2\% |  |  |  |
| Hisp. | 1\% |  | 2\% |  | 5\% |  |  |  |
| White | 87\% |  | 85\% |  | 75\% |  |  |  |
| Other ${ }^{*}$ | 10\% |  | 11\% |  | 18\% |  |  |  |
| Total | 100\% |  | 100\% |  | 100\% |  |  |  |

Source: College-Bound Seniors, College Board; Estimates based on score means and standard deviations
${ }^{\dagger}$ Projections based on survival cohort method and regression analysis

* Includes American Indians, Asians, students who marked 'Other' and students who did not reply to the item

App 1 Table 2.
Indiana SAT Takers with Verbal Score Above 600 (Estimated and Projected), by Race

|  | 1998 |  | 2007 |  | $2016{ }^{+}$ |  | $\begin{gathered} \text { \% } \\ \text { Change } \\ \text { '98-‘07 } \end{gathered}$ | $\begin{gathered} \% \\ \text { Change } \\ \text { 07-16 } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% of Race | Number | \% of Race | Number | \% of Race |  |  |
| Afr. Am. | 71 | 3\% | 78 | 3\% | 93 | 3\% | 9\% | 20\% |
| Hisp. | 65 | 7\% | 95 | 7\% | 284 | 8\% | 45\% | 200\% |
| White | 5,051 | 16\% | 5,371 | 16\% | 5,236 | 15\% | 6\% | -3\% |
| Other* | 590 | 15\% | 831 | 19\% | 1,535 | 22\% | 41\% | 85\% |
| Year Total | 5,778 | 15\% | 6,375 | 15\% | 7,149 | 15\% | 10\% | 12\% |
| \% of Year Total |  |  |  |  |  |  |  |  |
| Afr. Am. | 1\% |  | 1\% |  | 1\% |  |  |  |
| Hisp. | 1\% |  | 1\% |  | 4\% |  |  |  |
| White | 87\% |  | 84\% |  | 73\% |  |  |  |
| Other* | 10\% |  | 13\% |  | 21\% |  |  |  |
| Total | 100\% |  | 100\% |  | 100\% |  |  |  |

[^5]App 2 Table 1.
Indiana SAT Takers with Math Score Above 550 (Estimated and Projected), by Race

|  | 1998 |  | 2007 |  | $2016{ }^{+}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% of Race | Number | \% of Race | Number | \% of Race |  |  |
| Afr. Am. | 155 | 7\% | 219 | 8\% | 292 | 10\% | 41\% | 33\% |
| Hisp. | 150 | 17\% | 279 | 20\% | 891 | 26\% | 86\% | 220\% |
| White | 10,786 | 34\% | 12,171 | 35\% | 12,492 | 37\% | 13\% | 3\% |
| Other ${ }^{*}$ | 1,207 | 30\% | 1,650 | 37\% | 3,126 | 45\% | 37\% | 89\% |
| Year Total | 12,297 | 32\% | 14,319 | 33\% | 16,801 | 35\% | 16\% | 17\% |
| \% of Year Total |  |  |  |  |  |  |  |  |
| Afr. Am. | 1\% |  | 2\% |  | 2\% |  |  |  |
| Hisp. | 1\% |  | 2\% |  | 5\% |  |  |  |
| White | 88\% |  | 85\% |  | 74\% |  |  |  |
| Other* | 10\% |  | 12\% |  | 19\% |  |  |  |
| Total | 100\% |  | 100\% |  | 100\% |  |  |  |

Source: College-Bound Seniors, College Board; Estimates based on score means and standard deviations
${ }^{\dagger}$ Projections based on survival cohort method and regression analysis

* Includes American Indians, Asians, students who marked 'Other' and students who did not reply to the item


## App 2 Table 2.

Indiana SAT Takers with Math Score Above 600 (Estimated and Projected), by Race

|  | 1998 |  | 2007 |  | $2016{ }^{+}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% of Race | Number | \% of Race | Number | \% of Race |  |  |
| Afr. Am. | 49 | 2\% | 69 | 3\% | 111 | 4\% | 39\% | 61\% |
| Hisp. | 64 | 7\% | 120 | 9\% | 368 | 11\% | 89\% | 205\% |
| White | 5,768 | 18\% | 6,370 | 19\% | 6,537 | 19\% | 10\% | 3\% |
| Other ${ }^{*}$ | 663 | 16\% | 989 | 22\% | 1982 | 29\% | 49\% | 101\% |
| Year Total | 6,544 | 17\% | 7,547 | 18\% | 8,998 | 19\% | 15\% | 19\% |
| \% of Year Total |  |  |  |  |  |  |  |  |
| Afr. Am. | 1\% |  | 1\% |  | 1\% |  |  |  |
| Hisp. | 1\% |  | 2\% |  | 4\% |  |  |  |
| White | 88\% |  | 84\% |  | 73\% |  |  |  |
| Other ${ }^{*}$ | 10\% |  | 13\% |  | 22\% |  |  |  |
| Total | 100\% |  | 100\% |  | 100\% |  |  |  |

[^6]
## Projections of Public High School Senior Enrollments

Projections of high school senior enrollments by race/ethnicity are based on the cohort survival method. This common method of enrollment forecasting first establishes a ratio of senior enrollment in the current year to junior enrollment in the prior year. Junior enrollment in the current year is then multiplied by this ratio to estimate the senior enrollment for the upcoming year. The following is a numeric example of the calculation of a cohort survival ratio for Hispanic enrollments:

| Required Information | Calculations |
| :--- | :--- |
| 2004 junior enrollment $=2,702$ | Cohort survival ratio $=2,473 / 2,702=0.92$ |
| 2005 senior enrollment $=2,473$ | Projected 2006 senior enrollment $=2,962 * 0.92=2,711$ |
| 2005 junior enrollment $=2,962$ |  |

Cohort survival ratios are fairly stable over time for most racial/ethnic groups. Exceptions, however, are the cohort survival ratios for American Indians and Asian Americans, both of which fluctuate more over time due to the relatively small number of these students within the population. To ensure the stability in the cohort survival ratios by grade level, a composite ratio was calculated using five years of data for each race/ethnicity.

This composite ratio for each grade level was then multiplied by the prior grade level enrollment to arrive at estimates of senior enrollments through the year 2015-16. Due to the limits of space, an abbreviated example of enrollment projections through the year 2010-2011 for Hispanic students is illustrated below. Cohort survival methods often have less error than other projection methods, but as suggested by the table, the further out the projections go, the more error is likely compounded as estimated enrollments are based on prior estimates of enrollments.

|  | Actual2004-05 2005-06 $\quad \begin{gathered}\text { Cohort } \\ \text { Ratio }\end{gathered}$ |  |  | Projected |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 2006-07 | 2007-08 | 2008-09 | 2009-10 | 2010-11 |
| Grade 1 | 5,323 | 5,886 |  |  |  |  |  |  |
| Grade 2 | 4,964 | 5,362 | 1.008 | 5,932 |  |  |  |  |
| Grade 3 | 4,724 | 5,111 | 1.040 | 5,578 | 6,170 |  |  |  |
| Grade 4 | 4,494 | 5,028 | 1.060 | 5,418 | 5,913 | 6,541 |  |  |
| Grade 5 | 4,256 | 4,817 | 1.066 | 5,361 | 5,777 | 6,304 | 6,974 |  |
| Grade 6 | 4,143 | 4,514 | 1.065 | 5,128 | 5,707 | 6,150 | 6,712 | 7,425 |

## Projections of SAT Takers

The projection of SAT takers by race/ethnicity is based on regression analysis of ten years of data on the ratio of SAT takers to high school seniors in the state. For each year of available data, the ratio was calculated by dividing the number of SAT takers of a particular race/ethnicity by the number of public high school seniors of that same race/ethnicity. Regression analysis was used to find the best fitting trend line given the available years of data. Projections of the ratio of SAT takers to high school seniors for each race were calculated using the results of the
regression equation. The projected number of SAT takers by race for a given year was then calculated by multiplying the projected senior class enrollment for a given race by the projected SAT-HS ratio for that race. Here is a numeric example of these calculations based on Hispanic SAT takers:

| 2006-07 Ratio Calculation |
| :--- |
| Projected 2006-07 seniors $=2,805$ |
| Actual 2006-07 SAT takers $=1,366$ |
| 2006-07 SAT-HS Ratio $=1,366 / 2,805=0.49^{\dagger}$ |
|  |
| 2007-08 Regression-Based Calculation |
| Projected 2007-08 SAT-HS Ratio $=0.52^{\dagger}$ |
| Projected 2007-08 seniors $=3,130$ |
| Projected 2007-08 Sat takers $=3,130 * 0.52=1,642$ |
| ${ }^{\dagger}$ The ratio for 2006-07 is below the regression line, which explains |
| the slight increase for 2007-08 despite an overall downward trend. |



## Projections of SAT Takers Above Verbal and Math Scores

The projections of SAT takers above a certain score on the verbal or math tests are based on a similar regression analysis of ten years of data on the estimated percentage of students above the score. The example below will use a score of 550 . For each year of available data, the percentage of each race/ethnicity scoring above a score of 550 on the test was estimated using the state's published mean and standard deviation for each race/ethnicity. This method of estimation assumes that test scores are normally distributed within racial/ethnic category. Regression analysis was used to find the best fitting trend line given the available data. Projections of the percentage of SAT takers that fall above the score were calculated using the results of the regression equation. The projected number of SAT takers that fall above the score by race/ethnicity for a given year was then calculated by multiplying the projected number of SAT takers for a given race/ethnicity by the projected percentage of SAT takers for given race/ethnicity that fall above the score. Here is a numeric example of these computations for Hispanic SAT takers:

2006-07 \% with Math Score > 550
Mean = 471, SD $=95, x=550$
$z=(550-471) / 95=0.827$
Estimated \% Above $550=P>z=20.4 \%$

## 2007-08 Regression-Based Calculation

Projected 2007-08 \% Above $550=21.7 \%$
Projected 2007-08 SAT takers $=1,642$
Projected 2007-08 Sat takers $=1,642 * 0.217=356$

Regression of \% Hispanic SAT Takers > 550 Math


|  | Public High School Graduates | Public H. S. <br> Core-40 <br> Graduates | Core-40 as \% of Pub. High School Grads | Public H.S. College-Bound College-Bound as \% of Pub. Graduates H.S. Grads | URM as \% of Pub. H.S. Enrollment | URM as \% of Pub. H.S. Core-40 Grads | SAT Takers <br> Attending Pub. H.S. | SAT Takers as \% of Pub. H.S. Grads | Verbal Score <br> (Weighted Avg.) | Math Score (Weighted Avg.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Adams | 361 | 240 | 66.5\% | 266 73.7\% | 5.2\% | 2.9\% | 241 | 66.8\% | 501 | 512 |
| Allen | 3,134 | 2,138 | 68.2\% | 2,492 79.5\% | 23.7\% | 15.0\% | 1,889 | 60.3\% | 495 | 515 |
| Bartholomew | 696 | 574 | 82.5\% | 599 86.1\% | 4.9\% | 5.4\% | 490 | 70.4\% | 518 | 531 |
| Benton | 127 | 66 | 52.0\% | 81 63.8\% | 5.5\% | 0.0\% | 76 | 59.8\% | 496 | 510 |
| Blackford | 131 | 104 | 79.4\% | 85 64.9\% | 1.0\% | 1.0\% | 63 | 48.1\% | 502 | 485 |
| Boone | 620 | 493 | 79.5\% | 516 83.2\% | 1.8\% | 0.6\% | 502 | 81.0\% | 525 | 546 |
| Brown | 148 | 83 | 56.1\% | 110 74.3\% | 0.8\% | 1.2\% | 71 | 48.0\% | 527 | 515 |
| Carroll | 201 | 145 | 72.1\% | 146 72.6\% | 3.3\% | 0.0\% | 138 | 68.7\% | 485 | 525 |
| Cass | 430 | 291 | 67.7\% | 289 67.2\% | 11.4\% | 4.8\% | 191 | 44.4\% | 484 | 494 |
| Clark | 835 | 514 | 61.6\% | 606 72.6\% | 10.9\% | 7.6\% | 481 | 57.6\% | 476 | 473 |
| Clay | 271 | 217 | 80.1\% | 233 86.0\% | 1.9\% | 0.0\% | 146 | 53.9\% | 476 | 474 |
| Clinton | 362 | 212 | 58.6\% | 238 65.7\% | 9.0\% | 5.2\% | 188 | 51.9\% | 481 | 517 |
| Crawford | 103 | 56 | 54.4\% | 60 58.3\% | 0.3\% | 0.0\% | 51 | 49.5\% | 497 | 470 |
| Daviess | 235 | 164 | 69.8\% | 197 83.8\% | 3.0\% | 0.6\% | 139 | 59.1\% | 472 | 474 |
| Dearborn | 611 | 368 | 60.2\% | 472 77.3\% | 0.7\% | 0.5\% | 317 | 51.9\% | 494 | 510 |
| Decatur | 254 | 158 | 62.2\% | 173 68.1\% | 0.6\% | 0.6\% | 156 | 61.4\% | 482 | 505 |
| DeKalb | 474 | 327 | 69.0\% | 347 73.2\% | 1.6\% | 0.9\% | 234 | 49.4\% | 486 | 505 |
| Delaware | 1,125 | 649 | 57.7\% | 960 85.3\% | 9.3\% | 6.9\% | 666 | 59.2\% | 494 | 502 |
| Dubois | 528 | 369 | 69.9\% | 428 81.1\% | 3.0\% | 1.6\% | 393 | 74.4\% | 484 | 517 |
| Elkhart | 1,817 | 1,196 | 65.8\% | 1,323 72.8\% | 19.5\% | 10.1\% | 1,143 | 62.9\% | 486 | 504 |
| Fayette | 187 | 95 | 50.8\% | 130 69.5\% | 3.0\% | 5.3\% | 90 | 48.1\% | 494 | 486 |
| Floyd | 668 | 413 | 61.8\% | 548 82.0\% | 8.5\% | 5.1\% | 430 | 64.4\% | 494 | 506 |
| Fountain | 186 | 112 | 60.2\% | 116 62.4\% | 1.1\% | 0.0\% | 131 | 70.4\% | 468 | 471 |
| Franklin | 195 | 98 | 50.3\% | 97 49.7\% | 0.2\% | 1.0\% | 109 | 55.9\% | 456 | 486 |
| Fulton | 160 | 118 | 73.8\% | 98 61.3\% | 2.1\% | 0.8\% | 94 | 58.8\% | 472 | 488 |
| Gibson | 345 | 210 | 60.9\% | 272 78.8\% | 3.1\% | 2.9\% | 182 | 52.8\% | 473 | 504 |
| Grant | 681 | 321 | 47.1\% | 483 70.9\% | 12.3\% | 8.7\% | 378 | 55.5\% | 477 | 491 |
| Greene | 332 | 181 | 54.5\% | 260 78.3\% | 1.2\% | 1.1\% | 193 | 58.1\% | 485 | 498 |
| Hamilton | 2,464 | 1,984 | 80.5\% | 2,213 89.8\% | 5.3\% | 2.9\% | 2,042 | 82.9\% | 532 | 548 |
| Hancock | 747 | 482 | 64.5\% | 521 69.7\% | 3.0\% | 1.0\% | 510 | 68.3\% | 501 | 504 |
| Harrison | 439 | 252 | 57.4\% | 307 69.9\% | 0.9\% | 0.4\% | 253 | 57.6\% | 499 | 494 |
| Hendricks | 1,394 | 1,172 | 84.1\% | 1,128 80.9\% | 5.4\% | 4.2\% | 865 | 62.1\% | 515 | 522 |
| Henry | 521 | 324 | 62.2\% | 364 69.9\% | 1.7\% | 0.9\% | 268 | 51.4\% | 485 | 501 |
| Howard | 814 | 580 | 71.3\% | 663 81.4\% | 10.5\% | 8.6\% | 517 | 63.5\% | 503 | 516 |
| Huntington | 403 | 249 | 61.8\% | 264 65.5\% | 1.7\% | 2.0\% | 213 | 52.9\% | 487 | 517 |
| Jackson | 404 | 255 | 63.1\% | 231 57.2\% | 3.3\% | 2.4\% | 219 | 54.2\% | 489 | 509 |
| Jasper | 282 | 213 | 75.5\% | 214 75.9\% | 4.8\% | 4.7\% | 192 | 68.1\% | 479 | 498 |
| Jay | 193 | 107 | 55.4\% | 80 41.5\% | 1.1\% | 0.0\% | 106 | 54.9\% | 478 | 507 |


|  | Public High School Graduates | Public H. S. Core-40 Graduates | Core-40 as \% of Pub. High School Grads | Public H.S. College-Bound College-Bound as \% of Pub. Graduates H.S. Grads | URM as \% of Pub. H.S. Enrollment | URM as \% of Pub. H.S. Core-40 Grads | SAT Takers <br> Attending Pub. H.S. | SAT Takers as \% of Pub. H.S. Grads | Verbal Score (Weighted Avg.) | Math Score (Weighted Avg.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Jefferson | 268 | 186 | 69.4\% | 197 73.5\% | 1.8\% | 2.2\% | 170 | 63.4\% | 495 | 499 |
| Jennings | 237 | 116 | 48.9\% | 172 72.6\% | 1.7\% | 2.6\% | 132 | 55.7\% | 478 | 489 |
| Johnson | 1,396 | 1,094 | 78.4\% | 1,059 75.9\% | 2.3\% | 2.2\% | 945 | 67.7\% | 496 | 507 |
| Knox | 359 | 221 | 61.6\% | 285 79.4\% | 2.4\% | 1.8\% | 178 | 49.6\% | 504 | 505 |
| Kosciusko | 853 | 621 | 72.8\% | 586 68.7\% | 7.1\% | 3.7\% | 542 | 63.5\% | 495 | 506 |
| LaGrange | 338 | 229 | 67.8\% | 194 57.4\% | 4.8\% | 3.1\% | 164 | 48.5\% | 471 | 501 |
| Lake | 4,474 | 2,824 | 63.1\% | 3,363 75.2\% | 45.1\% | 27.5\% | 2,876 | 64.3\% | 473 | 478 |
| LaPorte | 992 | 660 | 66.5\% | 569 57.4\% | 13.4\% | 6.4\% | 477 | 48.1\% | 482 | 488 |
| Lawrence | 413 | 203 | 49.2\% | 259 62.7\% | 1.6\% | 2.5\% | 236 | 57.1\% | 488 | 507 |
| Madison | 1,087 | 637 | 58.6\% | 811 74.6\% | 11.9\% | 6.4\% | 596 | 54.8\% | 478 | 482 |
| Marion | 6,415 | 4,532 | 70.6\% | 4,954 77.2\% | 44.2\% | 31.9\% | 3,192 | 49.8\% | 496 | 504 |
| Marshall | 490 | 348 | 71.0\% | 323 65.9\% | 8.1\% | 3.4\% | 322 | 65.7\% | 483 | 505 |
| Martin | 127 | 85 | 66.9\% | 101 79.5\% | 0.6\% | 0.0\% | 76 | 59.8\% | 458 | 486 |
| Miami | 369 | 295 | 79.9\% | 257 69.6\% | 4.4\% | 4.4\% | 199 | 53.9\% | 489 | 495 |
| Monroe | 835 | 550 | 65.9\% | 687 82.3\% | 5.3\% | 3.5\% | 577 | 69.1\% | 531 | 535 |
| Montgomery | 411 | 253 | 61.6\% | 292 71.0\% | 3.7\% | 1.2\% | 237 | 57.7\% | 500 | 512 |
| Morgan | 704 | 420 | 59.7\% | 508 72.2\% | 1.0\% | 0.7\% | 349 | 49.6\% | 497 | 501 |
| Newton | 167 | 100 | 59.9\% | 120 71.9\% | 4.4\% | 3.0\% | 89 | 53.3\% | 479 | 483 |
| Noble | 479 | 343 | 71.6\% | 330 68.9\% | 9.8\% | 9.3\% | 279 | 58.2\% | 484 | 504 |
| Ohio | 73 | 73 | 100.0\% | 42 57.5\% | 0.6\% | 0.0\% | 27 | 37.0\% | 482 | 493 |
| Orange | 209 | 106 | 50.7\% | 128 61.2\% | 1.6\% | 0.0\% | 109 | 52.2\% | 468 | 482 |
| Owen | 166 | 111 | 66.9\% | 101 60.8\% | 1.4\% | 2.7\% | 72 | 43.4\% | 498 | 485 |
| Parke | 175 | 109 | 62.3\% | 138 78.9\% | 0.6\% | 0.9\% | 89 | 50.9\% | 483 | 477 |
| Perry | 201 | 109 | 54.2\% | 125 62.2\% | 0.7\% | 0.0\% | 93 | 46.3\% | 462 | 501 |
| Pike | 120 | 87 | 72.5\% | 89 74.2\% | 0.2\% | 0.0\% | 61 | 50.8\% | 484 | 479 |
| Porter | 1,743 | 1,324 | 76.0\% | 1,317 75.6\% | 8.3\% | 7.5\% | 1,322 | 75.8\% | 501 | 515 |
| Posey | 337 | 169 | 50.1\% | 229 68.0\% | 1.6\% | 0.0\% | 161 | 47.8\% | 495 | 512 |
| Pulaski | 153 | 105 | 68.6\% | 101 66.0\% | 1.0\% | 0.0\% | 90 | 58.8\% | 477 | 494 |
| Putnam | 419 | 271 | 64.7\% | 251 59.9\% | 1.7\% | 2.2\% | 241 | 57.5\% | 479 | 498 |
| Randolph | 316 | 219 | 69.3\% | 200 63.3\% | 1.1\% | 0.5\% | 162 | 51.3\% | 474 | 477 |
| Ripley | 356 | 231 | 64.9\% | 228 64.0\% | 0.3\% | 0.4\% | 217 | 61.0\% | 476 | 496 |
| Rush | 145 | 98 | 67.6\% | 121 83.4\% | 1.0\% | 0.0\% | 101 | 69.7\% | 500 | 496 |
| Scott | 203 | 135 | 66.5\% | 123 60.6\% | 0.9\% | 0.0\% | 133 | 65.5\% | 472 | 463 |
| Shelby | 459 | 298 | 64.9\% | 356 77.6\% | 2.9\% | 1.0\% | 304 | 66.2\% | 496 | 506 |
| Spencer | 288 | 191 | 66.3\% | 216 75.0\% | 1.4\% | 0.0\% | 183 | 63.5\% | 469 | 497 |
| St. Joseph | 2,220 | 1,413 | 63.6\% | 1,694 76.3\% | 26.0\% | 14.2\% | 1,359 | 61.2\% | 492 | 513 |
| Starke | 226 | 120 | 53.1\% | 108 47.8\% | 2.6\% | 0.0\% | 125 | 55.3\% | 463 | 480 |
| Steuben | 331 | 202 | 61.0\% | 219 66.2\% | 2.6\% | 2.5\% | 165 | 49.8\% | 498 | 513 |

Appendix 4. College-Bound Seniors, Share of Underrepresented Minorities (URM), and SAT Scores by County within IU Campus Region

|  | Public High School Graduates | Public H. S. <br> Core-40 <br> Graduates | Core-40 as \% of Pub. High School Grads | Public H.S. College-Bound Graduates | College-Bound as \% of Pub. H.S. Grads | URM as \% of Pub. H.S. Enrollment | URM as \% of Pub. H.S. Core-40 Grads | SAT Takers <br> Attending <br> Pub. H.S. | SAT Takers as \% of Pub. H.S. Grads | Verbal Score (Weighted Avg.) | Math Score (Weighted Avg.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sullivan | 189 | 97 | 51.3\% | 112 | 59.3\% | 0.5\% | 0.0\% | 74 | 39.2\% | 479 | 487 |
| Switzerland | 78 | 65 | 83.3\% | 50 | 64.1\% | 0.6\% | 0.0\% | 47 | 60.3\% | 460 | 447 |
| Tippecanoe | 1,169 | 783 | 67.0\% | 871 | 74.5\% | 11.9\% | 7.8\% | 789 | 67.5\% | 522 | 549 |
| Tipton | 193 | 133 | 68.9\% | 140 | 72.5\% | 2.7\% | 0.8\% | 115 | 59.6\% | 496 | 507 |
| Union | 91 | 65 | 71.4\% | 80 | 87.9\% | 0.6\% | 0.0\% | 51 | 56.0\% | 461 | 502 |
| Vanderburgh | 1,368 | 795 | 58.1\% | 1,100 | 80.4\% | 15.3\% | 8.7\% | 539 | 39.4\% | 519 | 528 |
| Vermillion | 183 | 108 | 59.0\% | 129 | 70.5\% | 0.2\% | 0.0\% | 106 | 57.9\% | 481 | 472 |
| Vigo | 907 | 613 | 67.6\% | 764 | 84.2\% | 7.6\% | 4.7\% | 555 | 61.2\% | 496 | 503 |
| Wabash | 374 | 206 | 55.1\% | 249 | 66.6\% | 2.9\% | 0.5\% | 218 | 58.3\% | 485 | 508 |
| Warren | 88 | 60 | 68.2\% | 71 | 80.7\% | 0.6\% | 1.7\% | 53 | 60.2\% | 463 | 464 |
| Warrick | 634 | 387 | 61.0\% | 491 | 77.4\% | 1.9\% | 1.0\% | 392 | 61.8\% | 497 | 517 |
| Washington | 289 | 148 | 51.2\% | 204 | 70.6\% | 0.7\% | 0.7\% | 127 | 43.9\% | 480 | 477 |
| Wayne | 611 | 404 | 66.1\% | 449 | 73.5\% | 6.4\% | 5.2\% | 340 | 55.6\% | 502 | 503 |
| Wells | 345 | 240 | 69.6\% | 207 | 60.0\% | 2.5\% | 1.7\% | 195 | 56.5\% | 505 | 523 |
| White | 293 | 182 | 62.1\% | 201 | 68.6\% | 5.8\% | 5.5\% | 164 | 56.0\% | 472 | 496 |
| Whitley | 381 | 247 | 64.8\% | 307 | 80.6\% | 1.3\% | 0.0\% | 238 | 62.5\% | 476 | 484 |
| Grand Total | 58,625 | 39,151 | 66.8\% | 43,888 | 74.9\% | 15.4\% | 9.8\% | 35,020 | 59.7\% | 494 | 507 |

Source: 2005-06 High School Enrollments, SAT Scores, and Graduates; Indiana Department of Education


[^0]:    ${ }^{1}$ Given the predominance of the SAT within the state of Indiana, this report focuses exclusively on student scores from this test.

[^1]:    ${ }^{2}$ Projection methodology is located in Appendix 3.

[^2]:    ${ }^{3}$ Because high school graduation year 2007 data are not yet available, enrollment projections for this year are provided in Table 5.

[^3]:    ${ }^{4}$ The SAT has racial/ethnic categories that do not map directly to those provided by CCD. Students provide a self-report of their race on the SAT, which may differ from that provided by CCD, and students may elect not to answer the racial/ethnic item on the SAT.
    ${ }^{5}$ Only the approximate state average (i.e., 500) will be discussed in this section of the issue. Other selected scores (i.e., 550 and 600 ) on the verbal test are provided in Appendix 1.

[^4]:    ${ }^{6}$ Only the approximate state average (i.e., 500) will be discussed in this section of the issue. Other selected scores (i.e., 550 and 600 ) on the math test are provided in Appendix 2.

[^5]:    Source: College-Bound Seniors, College Board; Estimates based on score means and standard deviations
    ${ }^{\dagger}$ Projections based on survival cohort method and regression analysis

    * Includes American Indians, Asians, students who marked 'Other' and students who did not reply to the item

[^6]:    Source: College-Bound Seniors, College Board; Estimates based on score means and standard deviations
    ${ }^{\dagger}$ Projections based on survival cohort method and regression analysis

    * Includes American Indians, Asians, students who marked 'Other' and students who did not reply to the item

