# College Admissions Testing of Graduating Seniors in Texas High Schools, Class of 2004 

Division of Accountability Research Department of Accountability and Data Quality Texas Education Agency January 2006

# College Admissions Testing of Graduating Seniors in Texas High Schools, Class of 2004 

# Texas Education Agency 

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#### Abstract

This annual report examines SAT I and ACT participation and performance in Texas for the graduating class of 2004. A total of 135,646 Texas public school graduates took either the SAT I or ACT in 2004. Although the number of examinees increased, the percentage of graduates who took the SAT I or ACT decreased from 62.4 percent for the class of 2003 to 61.9 percent for the class of 2004. The percentage of examinees achieving the Academic Excellence Indicator System (AEIS) criterion score on either test decreased slightly from 27.2 percent in 2003 to 27.0 percent in 2004. Performance gaps between African American and White examinees and between Hispanic and White examinees on the SAT I decreased in 2004. Similarly, performance gaps between African American and White examinees on the ACT decreased in 2004. Performance gaps between Hispanic and White examinees on the ACT increased in 2004. From 1996 through 2004, Texas scores were superior or equal to national scores among Asian/Pacific Islanders on the SAT I Verbal and ACT Mathematics and Reading tests and among African Americans on the ACT Mathematics and Science tests.


Keywords. SAT, ACT, college admission, testing, acknowledgment, accountability, high school, scores, graduate, TASP, THEA, TSI.
Additional information about this report may be obtained by contacting the Texas Education Agency, Department of Accountability and Data Quality, Division of Accountability Research by phone at (512) 475-3523, by email at research@tea.state.tx.us, or via the division website: http://www.tea. state.tx.us/research/. Copies of the report may be purchased using the order form in the back of this publication.

For information regarding administration, preparation for, and scoring of the SAT I examination, contact the College Board's Southwestern Regional Office at (512) 891-8400 or http://www. collegeboard.com/. For information on the ACT Assessment, contact ACT, Inc., Southwest Region, at (512) 345-1949 or http://www.act.org/.

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## Highlights

## Texas Public Schools

## Texas and the United States

## Texas Public Schools

## Academic Excellence Indicator System Measures

## Participation

- A total of 135,646 Texas public high school graduates in the class of 2004 took the SAT I, the ACT, or both. This was up from 133,755 graduates in the class of 2003. The number of examinees in 2004 reflects an overall participation rate of 61.9 percent.
- Asian/Pacific Islanders had the highest participation rate at 80.3 percent, and Hispanics had the lowest participation rate at 46.3 percent.


## Performance

- For the class of 2004, 27.0 percent of examinees achieved the criterion score on either the SAT I or ACT. For the class of 2003, 27.2 percent of examinees met the criterion.
- A larger proportion of Asian/Pacific Islander examinees met the criterion scores (45.6\%) than of any other group. African Americans had the smallest proportion of examinees who met the criterion scores (7.6\%).


## SAT I

## Participation

- A total of 109,205 public high school graduates in the class of 2004 took the SAT I examination. This is a slight decrease in participation rate (49.8\%) from the previous year (49.9\% for the class of 2003).
- The participation rates in SAT I testing by ethnicity were 70.1 percent of Asian/Pacific Islander graduates, 46.3 percent of White graduates, 45.4 percent of African American graduates, and 31.9 percent of Hispanic graduates.


## Performance

- The mean SAT I Verbal and Mathematics combined score for Texas public school graduates in the class of 2004 was 987 , a decrease from 989 for the class of 2003.
- For the class of 2004, Asian/Pacific Islander examinees obtained the highest average SAT I Verbal and Mathematics combined score at 1072, and African American examinees obtained the lowest average SAT I Verbal and Mathematics combined score at 843.


## ACT

## Participation

- A total of 63,246 Texas public high school graduates in 2004 took the ACT examination. This is a participation rate of 28.9 percent, a decrease from 29.7 percent for the class of 2003.
- The participation rates in ACT testing by ethnicity were 29.7 percent of White graduates, 28.8 percent of African American graduates, 22.7 percent of Asian/Pacific Islander graduates, and 20.9 percent of Hispanic graduates.


## Performance

- The mean ACT Composite score for 2004 Texas public high school graduates was 20.1, up two-tenths of a point from 19.9 for the class of 2003.
- For the class of 2004, Asian/Pacific Islander examinees obtained the highest average ACT Composite score at 22.3, and African American examinees obtained the lowest average ACT Composite score at 17.1.


## Texas and the United States

## SAT I

- A total of 127,723 Texas public and non-public high school graduates in 2004 took the SAT I, resulting in a participation rate of 52 percent, down from 57 percent for the class of 2003. Nationally $1,419,007$ public and non-public high school graduates in 2004 took the SAT I. The national participation rate for 2004 was the same as that from 2003, 48 percent.
- The percentages of African American examinees were comparable in Texas (11.2\%) and in the United States ( $9.7 \%$ ). Whereas Hispanics made up 21.9 percent of the test-taking population in Texas, they made up only 8.6 percent of the test-taking population nationally. The percentage of White examinees was 5.5 percentage points higher nationally than in Texas.
- The mean SAT I Verbal and Mathematics combined score for Texas public and non-public high school graduates in the class of 2004 was 992 , down one point from 993 for the class of 2003. The national mean SAT I Verbal and Mathematics combined score in 2004 was the same as that from 2003, 1026. Average SAT I subject scores for all examinees were higher nationally than in Texas.
- A total of 71,696 Texas public and non-public high school graduates in 2004 took the ACT, for a participation rate of approximately 29 percent, down from 33 percent for the class of 2003. Nationally $1,171,460$ public and non-public high school graduates in 2004 took the ACT. The national participation rate for 2004 was the same as that from 2003, 40 percent.
- The percentages of African American examinees were comparable in Texas (12.7\%) and in the United States ( $11.3 \%$ ). Whereas Hispanics made up 24.5 percent of the test-taking population in Texas, they made up only 6.7 percent of the test-taking population nationally. The percentage of White examinees was 17.1 percentage points higher nationally than in Texas.
- The mean ACT Composite score for Texas public and non-public high school graduates in the class of 2004 was 20.2 , up one tenth of a point from 20.1 in 2003. The mean Composite score nationally for the class of 2004 was 20.9, up one tenth of a point from 20.8 in 2003.
Average ACT subject scores for all examinees were higher nationally than in Texas.


## Overview

## Overview

This report provides results for graduating seniors in the class of 2004 on the SAT I: Reasoning Test, sponsored by the College Board and published by the Educational Testing Service, and on the ACT Assessment, published by ACT, Inc. The first section of the report provides: (1) general information on the SAT I and ACT examinations; (2) a discussion of the role of participation rates in the interpretation of test scores and as high school performance indicators; (3) information on the use and interpretation of SAT I and ACT scores; and (4) specific uses of college admissions test scores in Texas. The second section describes data sources and methods used to report participation and performance results.

The third section provides SAT I and ACT results for the class of 2004 in Texas public schools. Participation rates and performance on the examinations are provided for all examinees and by ethnicity and gender. In addition, trends in participation and performance are examined for the graduating classes of 1996 through 2004. The fourth section provides comparisons of SAT I and ACT performance for all graduates in public and non-public schools in Texas and in the nation as a whole. The section includes SAT I and ACT scores for all 50 states, along with the percentages of graduates who took the tests in each state.

Table 1 provides a summary of the various ways in which data are aggregated in this report. In the source notes for tables and figures in this report, publications are listed first, cited by author and publication date; proprietary data sets are listed second, cited by authorizing agency. SAT I and ACT results for each school district and public school in Texas are presented in the companion volume to this report, College Admissions Testing of Graduating Seniors in Texas High Schools, Class of 2004: District and Campus Listings (TEA, 2006).

Table 1
Levels of Data Reporting

| Unit | Levels |
| :--- | :--- |
| Examination | SAT I |
|  | ACT |
|  | SAT I, ACT, or both (Academic <br> Excellence Indicator System [AEIS]) |
| Measures | Participation rate <br> Mean test score <br> Percentage meeting criterion (AEIS) |
| Type of school | Public <br> Student group |
|  | All students and non-public <br> By ethnicity <br> By gender |
| Geographic area | Texas <br> United States <br> Other states |

# College Admissions Testing: The SAT I and ACT 

## General Information

Use and Interpretation of SAT I and ACT Scores

Use of College Entrance Examination Scores in Texas

## General Information

## The Examinations

The SAT I and ACT are national college admissions examinations designed to assess the readiness of high school students for college-level work. Specifically, the SAT I is a criticalreasoning test that assesses developed verbal and mathematics reasoning skills, and the ACT is an achievement test that measures learned knowledge and skills using four curriculum based tests: English, Mathematics, Science, and Reading. Both the SAT I and the ACT assess a broad range of academic skills, and neither is tied directly to a specific curriculum. Unlike many state assessments, the SAT I and ACT examinations are voluntary. Depending on their college plans, students may take either, both, or neither of the examinations.

The SAT I examination consists of two sections on which examinees receive scores: Verbal and Mathematics. The Verbal and Mathematics scores range from 200 to 800. Beginning in March of 2005, the SAT I examination was renamed the SAT Reasoning Test. The Verbal section became the Critical Reading Section; the Mathematics section expanded to cover three years of high school mathematics; and a Writing section that includes a multiple-choice section and a written essay was added (College Board, 2003a). Results from the new SAT Reasoning Test will be presented for the 2006 graduating class.

The ACT examination consists of four sections on which examinees receive scores: English, Mathematics, Reading, and Science. A Composite score, the average of scores on the four sections, also is assigned. All scores range from 1 to 36. In 2003, the section formerly known as Science Reasoning was renamed Science, but there was no change in content. Beginning in February 2005, an optional writing sample was added to the ACT (ACT, Inc., 2003c).

## Access to Testing

Participation in SAT I or ACT testing is influenced by many factors. The decision to participate in testing is voluntary on the part of examinees, influenced by factors such as the decision to apply to a four year college or university. Barriers such as financial hardship and disability also could influence the decision to participate in testing. The state of Texas and the testing companies have implemented policies to help overcome these barriers to testing.

Test fee waivers from the College Board and from ACT, Inc. are available to junior and senior high school students based on economic need. Eligibility criteria include: (1) family income;
(2) public assistance received by the family; (3) living in a foster home; (4) living in a federally subsidized public housing project; and (5) participation in programs for the economically disadvantaged, such as Upward Bound. Students may receive a maximum of two fee waivers for the SAT I. Students may receive only one fee waiver for the ACT. In many Texas schools and districts, students who do not meet the above criteria may receive fee waivers if they meet local criteria and local funding is available.

Both the College Board and ACT, Inc. provide special services for students with disabilities. To qualify, students must have a documented need for testing accommodations. In most cases, students must also be receiving special accommodations for classroom tests. Texas State Board of Education rules on testing accommodations for classroom tests are specified in Texas Administrative Code, Title 19, §101.29 (2002). When reporting examination results, neither the College Board nor ACT, Inc. identify students with documented disabilities who take the tests under special circumstances.

The College Board and ACT, Inc. produce publications that provide additional information about the SAT I and ACT examination programs. Information on the tests, examination fees, fee waivers, and services for students with disabilities is available through the organizations' websites, www.collegeboard.com and www.act.org.

## Use and Interpretation of SAT I and ACT Scores

## Individual Scores

College admissions tests are measures of readiness for first-year college-level academic work. An individual student's performance on the SAT I or ACT is reported as a set of scale scores. For each scale score there is a corresponding percentile rank, which is the percentage of test takers who score below that particular scale score. For example, if a test taker scores at the 90th percentile, 90 percent of the test takers received lower scale scores. Although the difficulty of test items and tests may change from test form to test form or from year to year, statistical equating ensures that any given score indicates the same level of student ability across test forms or testing dates.

SAT I or ACT scores are used by a majority of colleges and universities in college admissions selection processes (Breland et al., 2002). As norm-referenced tests, the SAT I and ACT can be used to predict success in college studies, although, according to the Standards for Educational and Psychological Testing (American Educational Research Association, American Psychological Association, and National Council on Measurement in Education, 1999), "any decision about a student should not be based on the results of a single test, but should include other relevant and valid information." Most institutions of higher education do, in fact, include other relevant and valid information in admission decisions, including high school grade point average, class rank, courses taken, and participation in extracurricular activities (Rigol, 2003). The manner in which all the relevant information is combined as part of the selection decision is unique to each institution. Colleges and universities have developed their own processes for evaluating information and determining whether students meet final criteria for admission. As a result, admission standards associated with SAT I and ACT scores vary from institution to institution. In addition to their use as admissions tools by colleges and universities, college admissions tests are also used in awarding scholarships to students and may be used for freshman course placement (ACT, Inc., 2003d).

## Group Scores

Because both the SAT I and ACT are voluntary, a self-selected portion of the graduate population takes either test. When a subset of a population takes an examination, the rate of participation plays an important part in the interpretation of examination scores. Specifically, the average score of a population is dependent on the percentage of its members who actually take the test. For instance, a 90 percent participation rate would generally yield an average score that is more representative of the graduate population than a 10 percent participation rate. This dependency affects the kinds of comparisons that can be made.

In states with low participation rates, it is likely that only the most academically able, the most motivated, and the best prepared students take the test (College Board, 2002a). Consequently, low participation rates generally result in inflated estimates of the population mean scores. Assuming the ability level of each population is the same, the mean score estimate of a population with a very low participation rate will usually be higher than the mean score estimate of a population with a high participation rate. An illustration of the inverse relationship between participation rate and mean score estimate is provided by state SAT I mathematics participation and performance data in the United States in 2004 (Figure 1). As the participation rate decreases, the mean score estimate generally increases. For state aggregates, the relationship between participation and performance begins to stabilize between 50 and 60 percent participation. In a population with a moderate to high participation rate, a relatively unbiased estimate of the population mean score is more likely to be obtained. Participation rates directly affect the validity of comparisons among states, districts, campuses, and various student groups. Generally, comparisons of average SAT I or ACT scores are most informative for groups with similar participation rates.

Over time, changes in aggregate SAT I and ACT test scores may indicate changes in the preparedness of successive classes of students for college. When group mean scores are compared, the statistical significance of a difference in scores depends on the sizes of the groups of examinees. Smaller groups require a larger change in scores in order for the change to be statistically significant; larger groups require a smaller change to attain the same level of statistical significance. Therefore, it is more appropriate to make comparisons of score changes within a single group than to make comparisons of score changes between groups of different sizes. For example, the increase from a mean Verbal SAT I score of 600 to a mean score of 605 in a group with 100 examinees is less likely to be statistically significant than the same change in a group with 10,000 examinees.

Figure 1
SAT I Mathematics Participation and Performance, by State, Class of 2004


Source. College Board (2004a)

## Use of College Entrance Examination Scores in Texas

## College Admission

Each institution of higher education in Texas establishes its own criteria for admissions (Texas Higher Education Coordinating Board, 2004). Most take into consideration some combination of college admission test scores and school achievement records. The score standards required for the SAT I and ACT vary, based on the selectivity of the institution. Some institutions allow high school records, such as grade point averages and class ranks, and scores on college admissions tests to compensate for each other; the higher the class rank or grade point average, the lower the test score required, and vice versa. Some institutions maintain an open admissions policy, under which any person with a high school diploma or its equivalent may be accepted. Still other institutions guarantee admission to students who graduate from high schools within the state in the top percentage of their class. Texas public institutions of higher education are required by law to admit applicants graduating from Texas public secondary schools with grade point averages in the top 10 percent of their classes in one of the two years prior to the academic year of application (Texas Education Code [TEC] §51.803, 2004).

## Exemption from TSI Testing in Texas

In 1987, the Texas Legislature established a system of testing and remediation called the Texas Academic Skills Program, or TASP (TEC $\S 51.306,1988$ ). In 2003, TASP was replaced by the Texas Success Initiative, or TSI (TEC §51.3062, 2003). Under the TSI program, undergraduate students enrolling for the first time in public institutions of higher education are required to take an assessment designed to evaluate their readiness for freshman level academic coursework. The TSI examination results cannot be used as a condition of admission to an institution, but at least one of the examinations must be taken prior to enrollment. In the event that students fail to meet TSI standards, the colleges or universities in which they are enrolling are responsible for the development of personalized plans designed to prepare them for freshman level coursework. Students may retake the examinations at any time.

The legislature created TSI exemptions based on student performance on the SAT I, the ACT, and the Texas Assessment of Academic Skills (TAAS) or exit-level Texas Assessment of Knowledge and Skills (TAKS) (Texas Administrative Code [TAC] §4.54, 2003). To qualify for an exemption based on the SAT I or ACT, students must receive specified minimum scores in one of the five years prior to enrollment in a public institution of higher education. On the ACT, students must receive a Composite score of at least 23 and English and Mathematics scores of at least 19 each. On the SAT I, students must receive Verbal and Mathematics scores of at least 500 each and a combined score of at least 1070 . To qualify for an exemption based on the TAAS or TAKS, students must receive specified minimum scores in one of the three years prior to enrollment. On the TAAS, students must achieve a Texas Learning Index (TLI) score of 81 or higher on the reading test, a TLI score of 77 or higher on the mathematics test, and a scale score of 1540 or higher on the writing test. On the exit-level TAKS, students must achieve the Higher Education Readiness standard of 2200 in mathematics and/or 2200 in English/Language Arts with a writing subsection score of at least 3.

## Gold Performance Acknowledgment in the Texas Academic Excellence Indicator System

In 1993, the Texas legislature enacted statutes mandating creation of the Texas public school accountability system to evaluate school districts and campuses. Base indicators in the Academic Excellence Indicator System (AEIS), such as TAKS performance, performance on the StateDeveloped Alternative Assessment II (SDAA II), completion rate, and dropout rate, are used to determine accountability ratings. In addition, districts and campuses receive recognition for high performance on indicators such as advanced course completion and performance on the SAT I or ACT. Although they do not affect accountability ratings, the Texas legislature enacted the Gold Performance Acknowledgment (GPA) system in 2001 to acknowledge districts and campuses based on these indicators (TEA, 2004d). The system replaced the Additional Acknowledgments process that had been part of the accountability system since 1994.

The SAT I/ACT GPA indicator has two components: the percentage of non-special education graduates tested and the percentage of examinees scoring at or above a criterion score. For a district or campus to meet the GPA standard, at least 70 percent of non-special education graduates must
have taken the SAT I and/or ACT, and at least 40 percent of the examinees must have met a criterion score. To meet the criterion, students must achieve at least 1110 on the SAT I Verbal and Mathematics combined score or 24 on the ACT Composite. Standards must be met for each student group included in computing campus and district ratings (African American, Hispanic, and White), as well as for all students combined. Further information on college admissions test indicator definitions and acknowledgment standards for 2005 as they pertain to the 2004 SAT I and ACT examination results can be found in the 2005 accountability manual (TEA, 2005).

SAT I and ACT criterion scores for recognition of high campus and district performance were established by the Commissioner of Education in 1996. The scores are used only for public school accountability purposes through the GPA system. The Commissioner of Education criterion scores are not used by colleges to evaluate students for admission. The criteria for admission into a college or university can be obtained from the institution itself.

# Data Sources, Methods, and Reporting 

Public and Non-Public Schools

Texas Public Schools

Public and Non-Public Schools in Texas and the United States

## Public and Non-Public Schools

Two types of examination results are presented in this report. The first describes results for public schools in Texas, and the second describes combined public and non-public results for schools in Texas, other states, and the United States as a whole. Among the 2004 graduating class from Texas public high schools, 109,205 students took the SAT I and 63,246 students took the ACT. Among the 2004 graduating class from both public and non-public high schools, 127,723 students took the SAT I and 71,696 students took the ACT. The national public and non-public schools' graduating classes of 2004 included 1,419,007 SAT I examinees and 1,171,460 ACT examinees.

## Texas Public Schools

The College Board provides to the Texas Education Agency (TEA) annual examination results and demographic information for Texas public high school SAT I examinees. Similarly, each year, ACT, Inc. provides to TEA examination results and demographic information for Texas public high school ACT examinees. Students may take the SAT I and ACT examinations more than once, but TEA receives and reports only the results of examinees' most recent examinations. For this report, examination results for the 2004 graduating class from Texas public schools were developed through analyses of the data provided by the College Board and ACT, Inc. Historical SAT I and ACT results for Texas public high schools were obtained from previous TEA annual reports (TEA, 1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c).

TEA receives scores from the testing companies based on year of graduation. Although students other than graduating seniors, primarily high school juniors, may take the SAT I and ACT examinations, the results in this report are based on the scores of only those students identified by the College Board and ACT, Inc. as having graduated in the reporting year. When registering for SAT I or ACT examinations, students are asked to provide their expected year of graduation. The testing agencies use information such as the self-reported year of graduation to determine whether or not students graduated in the reporting year.

The College Board uses the SAT Questionnaire, and ACT, Inc. uses the Student Profile Section (SPS) and the ACT examination answer form to obtain self-reported descriptive information such as ethnicity. These questionnaires are completed when students register for the SAT I or ACT examinations. Students may register online or by paper through the mail. While a majority of students complete the questionnaires, some do not. Additionally, students who do complete the questionnaires may not respond to all questions.

The SAT Questionnaire asks students to describe themselves by choosing one of eight ethnic categories: American Indian or Alaskan Native; Asian, Asian American, or Pacific Islander; African American or Black; Mexican or Mexican American; Puerto Rican; Latin American, South American, Central American, or other Hispanic or Latino; White; or other. Three of the eight categories may be combined into one "Hispanic" group, leaving six categories. The SPS asks students to choose one of nine phrases to best describe their racial/ethnic backgrounds: African American/Black
(non-Hispanic); American Indian, Alaskan Native; Caucasian American/White (non-Hispanic); Mexican American/Chicano/Latino; Asian American, Pacific Islander; Puerto Rican, Cuban, other Hispanic; other; multiracial; or "I prefer not to respond." Two of the nine phrases may be combined into one "Hispanic" group, leaving eight categories.

Because different data collection methods are used, ethnicity information may be inconsistent among the College Board, ACT, Inc., and TEA. In the Public Education Information Management System (PEIMS), demographic information such as ethnicity are reported to TEA by school districts. The data are submitted by districts at the beginning of the fall semester of each school year. TEA requires that district data submissions choose one of five ethnicity categories for each child enrolled: American Indian or Alaskan Native; Asian or Pacific Islander; Black, not of Hispanic origin; Hispanic; or White, not of Hispanic origin.

All results in the Academic Excellence Indicator System (AEIS) portion of the Results for Texas Public Schools section on page 19 were developed using ethnicity information obtained from PEIMS. In the SAT I and ACT portions of the Results for Texas Public Schools section, the numbers of examinees within each ethnic group and their mean scores were developed using self-reported ethnicity, and the number of Texas public school graduates within each ethnic group was obtained from PEIMS. Subsequently, the ratio of graduates tested to the number of graduates in an ethnic group was developed using ethnicity information collected by the testing agencies in the numerator and PEIMS ethnicity information in the denominator. Because students' ethnicity may be described differently in the two sources of information, the ratio may over- or under-estimate the actual participation rate for a group. For tables in this report where the number of examinees in a particular student group is larger than the number of graduates in that student group, the percentage of graduates tested appears as 100 .

Fluctuating trends in self-reported ethnicity information, including variable non-response rates, may bias analyses of college entrance examination results by ethnicity and make the interpretation of performance trends by ethnicity problematic. Since 1996, varying proportions of examinees have not reported ethnicity information to the College Board (Figure 2 on page 16). In 1996, a relatively small percentage (3.6\%) of Texas public schools SAT I examinees did not provide information about their ethnicities. In 2003, the non-response rate was 20.2 percent. In 2004, the percentage dropped significantly to 13.0 percent, a one year change of 7.2 percentage points. In contrast to examinee reporting of ethnicity on the SAT I, the percentage of ACT examinees not reporting ethnicity has held steady at around 4 or 5 percent since 1998.

Ethnicity information may be missing for two reasons: examinees do not complete SAT Questionnaires or SPSs when they register, or they complete SAT Questionnaires or SPSs but do not answer the ethnicity question. Reasons for missing ethnicity may vary by ethnicity. If the ethnic composition of the non-response group is similar to the ethnic composition of the entire examinee population, then the effect on the interpretation of performance results for each ethnic group is negligible. Alternatively, if non-response varies by ethnic group, the effect on an evaluation of performance results is considerable.

Figure 2
Ethnicity not Reported, SAT I Examinees, Texas Public Schools, Class of 1996 Through Class of 2004


Source. College Board (1996b, 1997b, 1998b, 1999b, 2000b, 2001b, 2002c, 2003c, 2004b).

When the percentage of non-respondents is relatively small, the effect on the accuracy of performance results by ethnicity is negligible. As the percentage of non-respondents increases, the likelihood that performance results by ethnicity are accurate decreases. The proportion of students who do provide ethnicity information may become less representative, and may provide a less reliable estimate of true results. Increasing non-response rates can be especially problematic for reporting trends in the participation rates and scores of Native Americans because the numbers of Native American students and examinees are very small.

The fluctuation in non-response rates over time makes the interpretation of SAT I participation and performance trends by ethnicity problematic. As the percentage of students not providing ethnicity information increases, the reported participation rates of ethnic groups can be expected to decrease. Participation rates for the entire student population can increase at the same time the reported participation rates for ethnic groups decrease. Conversely, as occurred in 2004, the statewide participation rate decreased, and the participation rates for each ethnic group increased. The affect on performance trends for each ethnic group is inestimable.

## Public and Non-Public Schools in Texas and the United States

Results for all public and non-public examinees in Texas and the nation were obtained from summary reports released annually by the College Board (College Board, 1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002b, 2002c, 2003b, 2003c, 2004a, 2004b) and by ACT, Inc. (ACT, Inc., 1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002a, 2002b, 2003a, 2003b, 2004a, 2004b). As with data reported by TEA, annual reports provided by the testing agencies include only the results of examinees' most recent examinations. Additionally, the results in these reports are based on the scores of only those students identified by the College Board and ACT, Inc. as having graduated in the reporting year.

## Results for Texas Public Schools

## Academic Excellence Indicator System Measures

## SAT I

ACT

## Academic Excellence Indicator System Measures

## Participation Rates

In 1993, the Texas Legislature mandated the creation of the Texas public school accountability system to evaluate districts and campuses. "Base" indicators in the Academic Excellence Indicator System (AEIS) are used to determine accountability ratings. College admissions test results are "additional" indicators in the AEIS, which are used to acknowledge districts and campuses for high performance on measures other than those used for accountability ratings. The AEIS measures regarding college admissions testing are: (1) the percentage of graduating seniors tested on either the SAT I or ACT; and (2) the percentage of examinees meeting the criterion established by the Commissioner of Education on either the SAT I (a combined score of at least 1110 on the SAT I Verbal and Mathematics) or the ACT (a score of at least 24 on the ACT Composite). The performance of an examinee who takes both tests and meets the criterion on both is counted only once in AEIS achievement indicators.

In the graduating class of 2004, a total of 135,646 public high school graduates took either the SAT I, ACT, or both (Table 2); this was up from 133,755 examinees from the 2003 graduating class. The overall participation rate was 61.9 percent. Asian/Pacific Islanders had the highest participation rate at 80.3 percent, followed by Whites ( $67.2 \%$ ) and African Americans ( $60.9 \%$ ) (Table 3). Hispanics had the lowest participation rate, with 46.3 percent of graduates participating in SAT I or ACT testing. A larger percentage of female graduates (64.0\%) than male graduates (59.4\%) were tested.

Table 2
SAT I and/or ACT Participation, by Ethnicity and Gender, Texas Public Schools, Class of 2004

| Group | Graduates | Tested | Participation rate (\%) |
| :--- | ---: | ---: | ---: |
| African American | 28,261 | 17,204 | 60.9 |
| Asian/Pacific Islander | 8,061 | 6,475 | 80.3 |
| Hispanic | 76,434 | 35,372 | 46.3 |
| Native American | 646 | 493 | 76.3 |
| White | 105,809 | 71,089 | 67.2 |
|  |  |  |  |
| Female | 115,406 | 73,892 | 64.0 |
| Male | 103,805 | 61,711 | 59.4 |
|  |  |  |  |
| State | 219,211 | 135,646 | 61.9 |

Source. ACT, Inc.; College Board; and Texas Education Agency.

Table 3
SAT I and/or ACT Participation Rates (\%), by Ethnicity and Gender, Texas Public Schools, Class of 1991 Through Class of 2004

| Class | Ethnicity |  |  |  |  | Gender |  | State |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American | Asian/ Pacific Islander | Hispanic | Native <br> American | White |  |  |  |
|  |  |  |  |  |  | Female | Male |  |
| 1991 | 53.3 | - | 47.1 | - | 68.7 | 64.3 | 60.3 | 62.4 |
| 1992 | 56.3 | - | 49.2 | - | 69.3 | 66.0 | 61.1 | 63.6 |
| 1993 | 58.8 | - | 49.5 | - | 69.4 | 66.2 | 62.0 | 64.2 |
| 1994 | 59.7 | 87.6 | 49.0 | $100^{\text {a }}$ | 71.0 | 66.9 | 62.6 | 64.8 |
| 1995 | 59.1 | 86.0 | 49.3 | 98.1 | 71.2 | 67.1 | 62.3 | 64.8 |
| 1996 | 60.1 | 86.9 | 48.8 | 90.9 | 71.1 | 66.9 | 62.4 | 64.7 |
| 1997 | 58.2 | 88.9 | 46.9 | 88.3 | 70.6 | 66.0 | 61.0 | 63.6 |
| 1998 | 55.9 | 87.0 | 44.6 | 80.4 | 69.4 | 64.1 | 58.9 | 61.7 |
| 1999 | 58.6 | 87.3 | 44.5 | 83.8 | 68.9 | 64.3 | 59.0 | 61.8 |
| 2000 | 57.4 | 84.3 | 45.3 | 79.3 | 69.9 | 64.4 | 59.8 | 62.2 |
| 2001 | 58.6 | 85.2 | 46.5 | 76.9 | 70.0 | 65.1 | 60.5 | 62.9 |
| 2002 | 58.5 | 81.7 | 45.2 | 75.8 | 67.9 | 63.8 | 59.7 | 61.9 |
| 2003 | 59.5 | 79.3 | 45.7 | 69.3 | 66.4 | 64.1 | 60.3 | 62.4 |
| 2004 | 60.9 | 80.3 | 46.3 | 76.3 | 67.2 | 64.0 | 59.4 | 61.9 |

Source. ACT, Inc.; College Board; and Texas Education Agency.
Note: Results are not available for Asian/Pacific Islanders or Native Americans from 1991 through 1993.
aBecause of discrepancies in the reporting of ethnicity between test score data from the testing companies and the Texas Education Agency Public Education Information Management System database, participation rates for ethnic groups with small numbers of graduates may be greater than 100 percent. In such cases, the number is presented in the table as 100 percent.

From 1991 through 2004, the relative participation rates of the three largest ethnic groups were consistent: White students had the highest rates, followed by African American, then Hispanic students (Table 3 on page 21 and Figure 3 on page 22). Across the same period, the participation rate for female students was about 4 to 5 percentage points higher than the participation rate for male students (Figure 4 on page 23).

Figure 3
SAT I and/or ACT Participation Rates, by Ethnicity, Texas Public Schools, Class of 1991 Through Class of 2004


Source. Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c); ACT, Inc.; College Board; and Texas Education Agency. Note. Results are not available for Asian/Pacific Islanders and Native Americans from 1991 through 1993.

Figure 4
SAT I and/or ACT Participation and Performance at or Above Criterion, by Gender, Texas Public Schools, Class of 1991 Through Class of 2004

$\rightarrow$ - Participation Female $-\triangle$ Participation Male $\longrightarrow$ - Performance Male - - Performance Female
Source. Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c); ACT, Inc.; College Board; and Texas Education Agency. Note. The criterion score for SAT I and ACT performance was established by the Commissioner of Education in 1996.

## Percentage Meeting Criterion on Either the SAT I or ACT

More than a quarter $(27.0 \%)$ of the students in the 2004 graduating class who took college entrance examinations achieved the score criterion on either the SAT I or ACT for Gold Performance Acknowledgement in the Texas Academic Excellence Indicator System (Table 4). The criterion scores for SAT I and ACT performance were established by the Commissioner of Education in 1996. There were large ethnic group differences in the percentages of examinees who met the score criteria. Asian/Pacific Islander examinees had the largest proportion of students achieving the criterion score ( $45.6 \%$ ), followed by White examinees ( $37.6 \%$ ). The smallest percentages of examinees achieving the criterion score were found among Hispanics (10.5\%) and African Americans (7.6\%). A larger proportion of male than female examinees ( $30.0 \%$ and $24.6 \%$, respectively) met the criterion.

Table 4
SAT I and/or ACT Performance at or Above Criterion, by Ethnicity and Gender, Texas Public Schools, Class of 2004

|  |  | Examinees scoring at or above criterion |  |
| :--- | ---: | ---: | ---: |
| Group | Examinees | Number | Percent |
| African American | 17,204 | 1,305 | 7.6 |
| Asian/Pacific Islander | 6,475 | 2,952 | 45.6 |
| Hispanic | 35,372 | 3,710 | 10.5 |
| Native American | 493 | 151 | 30.6 |
| White | 71,089 | 26,733 | 37.6 |
|  |  |  |  |
| Female | 73,892 | 18,160 | 24.6 |
| Male | 61,711 | 18,495 | 30.0 |
|  |  |  | 27.0 |
| State | 135,646 | 36,661 | 270 |

Source. ACT, Inc.; College Board; and Texas Education Agency.
Note. The criterion score for SAT I and ACT performance was established by the Commissioner of Education in 1996.

Since 1991, there has been a slight increase in the percentage of all examinee groups who met the criterion, particularly among White and Asian/Pacific Islander examinees (Table 5). The disparities among ethnic groups in the percentages of examinees who met the criterion were consistent for 1991 graduates through 2004 graduates. Males outperformed females in all 14 years (Figure 4 on page 23); Asian/Pacific Islander examinees outperformed all other ethnic groups; and White examinees outperformed Hispanic and African American examinees (Figure 5 on page 26).

Table 5
SAT I and/or ACT Performance at or Above Criterion (\%), by Ethnicity and Gender, Texas Public Schools, Class of 1991 Through Class of 2004

| Class | Ethnicity |  |  |  |  | Gender |  | State |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American | Asian/ <br> Pacific Islander | Hispanic | Native <br> American | White |  |  |  |
|  |  |  |  |  |  | Female | Male |  |
| 1991 | 6.5 |  | 10.3 | - | 32.2 | 21.8 | 28.7 | 25.0 |
| 1992 | 6.3 | - | 10.7 | - | 32.6 | 22.3 | 28.9 | 25.3 |
| 1993 | 7.3 | - | 10.9 | - | 34.7 | 23.7 | 30.3 | 26.8 |
| 1994 | 7.8 | 41.9 | 11.0 | 25.5 | 34.9 | 24.3 | 29.8 | 26.9 |
| 1995 | 8.4 | 44.8 | 11.6 | 24.2 | 35.8 | 25.3 | 30.6 | 27.7 |
| 1996 | 6.8 | 42.7 | 10.1 | 25.4 | 34.6 | 24.1 | 29.0 | 26.3 |
| 1997 | 7.1 | 44.2 | 10.9 | 28.5 | 34.6 | 24.2 | 29.5 | 26.6 |
| 1998 | 7.6 | 42.3 | 10.8 | 24.8 | 35.6 | 24.6 | 30.3 | 27.2 |
| 1999 | 7.8 | 43.9 | 11.0 | 28.3 | 35.6 | 24.5 | 30.4 | 27.2 |
| 2000 | 7.8 | 42.9 | 11.1 | 26.7 | 36.4 | 24.9 | 30.1 | 27.3 |
| 2001 | 7.4 | 42.8 | 10.7 | 28.3 | 36.2 | 24.4 | 29.9 | 26.9 |
| 2002 | 6.9 | 44.9 | 10.4 | 26.0 | 36.3 | 24.3 | 29.4 | 26.6 |
| 2003 | 7.2 | 44.5 | 10.8 | 29.2 | 37.2 | 24.6 | 30.3 | 27.2 |
| 2004 | 7.6 | 45.6 | 10.5 | 30.6 | 37.6 | 24.6 | 30.0 | 27.0 |

Source. ACT, Inc.; College Board; and Texas Education Agency.
Note. The criterion score for SAT I and ACT performance was established by the Commissioner of Education in 1996. Results are not available for Asian/Pacific Islanders and Native Americans from 1991 through 1993.

Figure 5
SAT I and/or ACT Performance at or Above Criterion, by Ethnicity, Texas Public Schools, Class of 1991 Through Class of 2004


Source. Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c); ACT, Inc.; College Board; and Texas Education Agency. Note. The criterion score for SAT I and ACT performance was established by the Commissioner of Education in 1996. Results are not available for Asian/Pacific Islanders and Native Americans from 1990-91 through 1992-93.

## SAT I

## SAT I Participation

The SAT I is most commonly taken by high school students in their junior and/or senior years. Because the test is not mandatory, only a self-selected portion of the population of high school seniors takes the test each year, that is, those students who intend to pursue college studies in an institution requiring SAT I scores for admission. Approximately 50 percent of the 2004 graduating class in Texas public schools participated in SAT I testing (Table 6). Of students participating in the SAT I examination, 13.0 percent did not provide ethnicity information (Table 7 on page 28). This is a decrease of 7.2 percentage points from 20.2 percent in 2003. Large fluctuations in the percentages of students who do not report ethnicity information, or report identification with some other ethnic group, affect the accuracy of the rate of participation for the five reported ethnic groups.

Table 6
SAT I Participation and Performance, by Ethnicity and Gender, Texas Public Schools, Class of 2004

| Group | Graduates |  |  | Mean scores |  | Combined |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Tested | Participation rate (\%) ${ }^{\text {a }}$ |  |  |  |
|  |  |  |  | Mathematics | Verbal |  |
| African American | 28,261 | 12,828 | 45.4 | 421 | 422 | 843 |
| Asian/Pacific Islander | 8,061 | 5,647 | 70.1 | 564 | 508 | 1072 |
| Hispanic | 76,434 | 24,357 | 31.9 | 450 | 444 | 894 |
| Native American | 646 | 644 | 99.7 | 499 | 494 | 993 |
| White | 105,809 | 49,031 | 46.3 | 526 | 520 | 1047 |
| Other | - | 2,514 | - | 496 | 496 | 992 |
| No Response | - | 14,184 | - | 524 | 513 | 1037 |
| Female | 115,406 | 59,114 | 51.2 | 483 | 486 | 970 |
| Male | 103,805 | 50,091 | 48.3 | 515 | 493 | 1008 |
| State | 219,211 | 109,205 | 49.8 | 498 | 489 | 987 |

Source. College Board and Texas Education Agency.
aBecause of discrepancies in the reporting of ethnicity between test score data from the testing companies and the Texas Education Agency Public Education Information Management System database, participation rates for ethnic groups with small numbers of graduates may be greater than 100 percent. In such cases, the number is presented in the table as 100 percent.

Of the students for whom ethnicity was reported, more than two-thirds of Asian/Pacific Islander graduates, nearly half of African American and White graduates, and slightly less than one-third of Hispanic graduates participated in SAT I testing. Just over 51 percent of female graduates and about 48 percent of male graduates participated in testing.

Table 7
SAT I Examinee Population, by Ethnicity, Texas Public Schools, Class of 1996 Through Class of 2004

|  | Ethnicity (\%) |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | African <br> American | Asian/ <br> Pacific Islander | Hispanic | Native <br> American | White | Other | No Response | Examinees |
| Class | 10.9 | 5.6 | 19.6 | 0.9 | 57.8 | 1.5 | 3.6 | 79,638 |
| 1996 | 10.6 | 5.7 | 20.1 | 1.0 | 56.4 | 1.7 | 4.4 | 83,333 |
| 1997 | 10.9 | 5.7 | 20.0 | 0.8 | 55.3 | 1.9 | 5.4 | 88,697 |
| 1998 | 11.1 | 5.5 | 20.1 | 0.7 | 53.5 | 2.0 | 7.1 | 92,183 |
| 1999 | 10.8 | 5.4 | 20.5 | 0.6 | 50.9 | 2.0 | 9.9 | 96,516 |
| 2000 |  |  |  |  |  |  |  |  |
|  | 10.9 | 5.6 | 20.9 | 0.6 | 49.2 | 2.0 | 10.8 | 98,336 |
| 2001 | 11.0 | 5.4 | 20.7 | 0.6 | 46.4 | 1.9 | 13.9 | 101,083 |
| 2002 | 10.6 | 4.8 | 20.4 | 0.5 | 41.7 | 1.9 | 20.2 | 107,053 |
| 2003 | 11.7 | 5.2 | 22.3 | 0.6 | 44.9 | 2.3 | 13.0 | 109,205 |
| 2004 |  |  |  |  |  |  |  |  |

Source. College Board and Texas Education Agency.

From the class of 1996 through the class of 2004, the overall rate of participation in SAT I testing held steady at about 50 percent (Table 8), and the ranking of ethnic groups by participation rate was stable; participation was consistently highest for Asian/Pacific Islanders and consistently lowest for Hispanics. Though the statewide participation rate held steady in 2004, participation rates for each ethnicity appear to have increased. One or more of these increases are a direct result of the increase in the number and proportion of students reporting ethnicity information. The degree to which each ethnic group participation rate was affected by increased ethnicity reporting is unknown.

Table 8
SAT I Participation Rates (\%), by Ethnicity and Gender, Texas Public Schools, Class of 1996 Through Class of 2004

| Class | Ethnicity ${ }^{\text {a }}$ |  |  |  |  | Gender |  | State |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American | Asian/ <br> Pacific Islander | Hispanic | Native <br> American | White |  |  |  |
|  |  |  |  |  |  | Female | Male |  |
| 1996 | 47.7 | 85.4 | 34.3 | 100 | 52.9 | 52.7 | 48.9 | 50.9 |
| 1997 | 44.5 | 88.2 | 34.1 | 100 | 52.2 | 52.3 | 48.5 | 50.5 |
| 1998 | 44.1 | 82.6 | 32.3 | 100 | 51.3 | 51.3 | 47.7 | 49.6 |
| 1999 | 45.8 | 82.0 | 32.5 | 100 | 50.2 | 51.8 | 48.1 | 50.1 |
| 2000 | 43.3 | 77.5 | 32.1 | 100 | 49.1 | 51.3 | 48.6 | 50.0 |
| 2001 | 44.0 | 77.6 | 32.7 | 100 | 48.5 | 52.0 | 49.0 | 50.6 |
| 2002 | 43.3 | 72.4 | 31.2 | 100 | 46.0 | 51.1 | 48.4 | 49.8 |
| 2003 | 41.5 | 65.5 | 30.0 | 95.2 | 42.0 | 50.9 | 48.8 | 49.9 |
| 2004 | 45.4 | 70.1 | 31.9 | 99.7 | 46.3 | 51.2 | 48.3 | 49.8 |

Source. College Board and Texas Education Agency.
aBecause of discrepancies in the reporting of ethnicity between test score data from the testing companies and the Texas Education Agency Public Education Information Management System database, participation rates for ethnic groups with small numbers of graduates may be greater than 100 percent. In such cases, the number is presented in the table as 100 percent.

## Mean SAT I Scores

The average SAT I Verbal and Mathematics combined score for 2004 graduates was 987, two points lower than the average score of 989 , obtained by 2003 graduates (Figure 6 on page 29 and Table 9 on page 30). There were notable mean differences among student groups. In 2004, the highest average Verbal and Mathematics combined scores were obtained by Asian/Pacific Islander examinees (with an average of 1072) and White examinees (with an average of 1047). Asian/Pacific Islanders scored considerably higher on the Mathematics section than the other ethnic groups, and Whites scored higher on the Verbal section than the other ethnic groups. The average Verbal, Mathematics, and combined scores of males were higher than those of females. Males had an average Verbal and Mathematics combined score of 1008, whereas females had an average score of 970 .

Figure 6
SAT I Verbal and Mathematics Combined Performance, by Ethnicity, Texas Public Schools, Class of 1996 and Class of 2004


Source. Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c); College Board; and Texas Education Agency.

Average scores for all students declined slightly from the class of 1996 through the class of 2004 (Table 9 on page 30). During this period, Verbal scores decreased from 493 to 489, and Mathematics scores decreased from 500 to 498 . Average Verbal scores for White examinees were generally stable from 1996 to 2004; generally decreased for African Americans and Hispanics; and generally increased for Asian/Pacific Islanders. The 8-year trends for average Mathematics scores by ethnicity were similar to those for Verbal scores, except scores for Whites generally increased rather than remaining stable and Asian/Pacific Islanders generally remained stable rather than increasing. Overall, performance gaps between African Americans and Whites and between Hispanics and

Whites in both sections of the SAT I generally increased over this time period. Verbal and Mathematics scores remained stable for males and females, with males consistently obtaining higher scores than females on both subjects, particularly Mathematics.

Table 9
SAT I Performance, by Ethnicity and Gender, Texas Public Schools, Class of 1996 Through Class of 2004

| Class | Ethnicity |  |  |  |  |  |  | Gender |  | State |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African | Asian/ Pacific Islander | Hispanic | Native American | White | Other | No <br> Response |  |  |  |
|  | American |  |  |  |  |  |  | Female | Male |  |
| Mean Verbal score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 428 | 502 | 450 | 487 | 520 | 519 | 472 | 491 | 495 | 493 |
| 1997 | 426 | 501 | 449 | 482 | 519 | 518 | 476 | 490 | 494 | 492 |
| 1998 | 425 | 504 | 449 | 483 | 520 | 517 | 482 | 488 | 496 | 492 |
| 1999 | 426 | 506 | 449 | 490 | 519 | 511 | 488 | 488 | 496 | 492 |
| 2000 | 426 | 503 | 447 | 493 | 521 | 506 | 488 | 489 | 493 | 491 |
| 2001 | 425 | 504 | 446 | 491 | 520 | 504 | 491 | 486 | 494 | 490 |
| 2002 | 419 | 507 | 442 | 494 | 519 | 500 | 496 | 485 | 491 | 488 |
| 2003 | 424 | 511 | 442 | 488 | 522 | 502 | 503 | 487 | 495 | 490 |
| 2004 | 422 | 508 | 444 | 494 | 520 | 496 | 513 | 486 | 493 | 489 |
| Mean Mathematics score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 425 | 564 | 458 | 485 | 523 | 516 | 478 | 485 | 517 | 500 |
| 1997 | 422 | 566 | 458 | 486 | 525 | 516 | 481 | 486 | 518 | 500 |
| 1998 | 423 | 562 | 457 | 493 | 525 | 513 | 488 | 486 | 517 | 500 |
| 1999 | 421 | 562 | 453 | 491 | 524 | 506 | 493 | 482 | 517 | 498 |
| 2000 | 423 | 563 | 453 | 492 | 527 | 508 | 497 | 484 | 517 | 499 |
| 2001 | 421 | 564 | 451 | 492 | 526 | 504 | 497 | 483 | 515 | 498 |
| 2002 | 420 | 567 | 452 | 496 | 528 | 501 | 505 | 484 | 516 | 498 |
| 2003 | 420 | 567 | 450 | 489 | 529 | 504 | 512 | 484 | 516 | 499 |
| 2004 | 421 | 564 | 450 | 499 | 526 | 496 | 524 | 483 | 515 | 498 |
| Mean combined score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 852 | 1066 | 908 | 973 | 1043 | 1035 | 949 | 976 | 1013 | 993 |
| 1997 | 849 | 1067 | 907 | 967 | 1044 | 1034 | 956 | 976 | 1011 | 992 |
| 1998 | 848 | 1066 | 906 | 976 | 1045 | 1031 | 970 | 974 | 1014 | 992 |
| 1999 | 847 | 1068 | 902 | 981 | 1044 | 1017 | 981 | 970 | 1013 | 989 |
| 2000 | 849 | 1066 | 900 | 985 | 1048 | 1014 | 985 | 973 | 1010 | 990 |
| 2001 | 846 | 1069 | 897 | 983 | 1047 | 1008 | 988 | 970 | 1009 | 987 |
| 2002 | 839 | 1073 | 893 | 990 | 1047 | 1001 | 1001 | 969 | 1007 | 986 |
| 2003 | 843 | 1078 | 891 | 977 | 1051 | 1006 | 1015 | 971 | 1010 | 989 |
| 2004 | 843 | 1072 | 894 | 993 | 1047 | 992 | 1037 | 970 | 1008 | 987 |

Source. Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c); College Board; and Texas Education Agency.

## SAT I Examinee Profile

For 2004 graduates who reported their ethnicity, disparities were evident between the percentages of ethnic groups in the SAT I examinee population and their percentages in the graduate population (Figure 7). Except for Hispanics, the proportions of SAT I examinees for all other ethnic groups were greater than their proportions of high school graduates. For example, Asian/Pacific Islanders made up 6.1 percent of examinees, although only 3.7 percent of the graduate population was Asian/Pacific Islander. On the other hand, Hispanics made up only 26.3 percent of examinees, although 34.9 percent of the graduate population was Hispanic. Females made up a slightly greater percentage of examinees than their proportion of graduates, and males made up a slightly smaller percentage of examinees than their proportion of graduates.

Figure 7
Graduating Seniors and SAT I Examinees, by Ethnicity and Gender, Texas Public Schools, Class of 2004


Source. College Board and Texas Education Agency.

## ACT

## ACT Participation

Approximately 29 percent of the 2004 graduating class in Texas public schools took the ACT (Table 10). Participation rates of ethnic groups ranged from a high of 29.7 percent of White examinees to a low of 20.9 percent of Hispanic examinees. The participation rate of female graduates was 31.4 percent, and the participation rate of male graduates was 25.5 percent.

Table 10
ACT Participation and Performance, by Ethnicity and Gender, Texas Public Schools, Class of 2004

| Group | Graduates |  |  | Mean scores |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Participation  <br> Tested rate (\%) |  |  |  |  |  |  |
|  |  |  |  | English | Mathematics | Reading | Science | Composite |
| African American | 28,261 | 8,150 | 28.8 | 16.1 | 17.2 | 17.1 | 17.6 | 17.1 |
| Asian/Pacific Islander | 8,061 | 1,827 | 22.7 | 21.1 | 23.8 | 21.9 | 22.0 | 22.3 |
| Hispanic | 76,434 | 15,943 | 20.9 | 16.5 | 18.2 | 17.9 | 18.3 | 17.9 |
| Native American | 646 | 336 | 52.0 | 19.9 | 20.3 | 21.3 | 20.8 | 20.7 |
| White | 105,809 | 31,402 | 29.7 | 21.2 | 21.7 | 22.2 | 21.6 | 21.8 |
| Other | - | 2,168 | - | 18.9 | 19.8 | 20.2 | 19.9 | 19.8 |
| No Response | - | 3,420 | - | 19.8 | 20.8 | 21.1 | 20.6 | 20.7 |
| Female | 115,406 | 36,220 | 31.4 | 19.7 | 19.8 | 20.5 | 19.9 | 20.1 |
| Male | 103,805 | 26,458 | 25.5 | 18.6 | 20.6 | 20.0 | 20.5 | 20.1 |
| State | 219,211 | 63,246 | 28.9 | 19.2 | 20.2 | 20.3 | 20.1 | 20.1 |

Source. ACT, Inc. and Texas Education Agency.

Of students participating in the ACT examination, 49.7 were white, and 25.2 were Hispanic (Table 11). Of the remaining 25.1 percent of examinees, 5.4 percent did not provide ethnicity information. This represents an increase of 1.2 percentage points from 4.2 percent in 2003. African American and Asian/Pacific Islander examinees made up 12.9 percent and 2.9 percent, respectively, of the total examinee population, and 3.4 percent of examinees reported identifying with some other ethnic group.

Table 11
ACT Examinee Population, by Ethnicity, Texas Public Schools, Class of 1996 Through Class of 2004

| Class | Ethnicity (\%) |  |  |  |  |  |  | Examinees |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American | Asian/ Pacific Islander | Hispanic | Native American | White | Other | No Response |  |
| 1996 | 9.7 | 3.1 | 21.9 | 0.6 | 55.4 | 2.0 | 7.4 | 52,127 |
| 1997 | 9.6 | 3.1 | 21.9 | 0.7 | 53.8 | 2.4 | 8.5 | 52,610 |
| 1998 | 10.0 | 3.2 | 22.6 | 0.6 | 55.7 | 2.7 | 5.3 | 54,379 |
| 1999 | 10.7 | 3.2 | 22.3 | 0.5 | 56.5 | 2.6 | 4.2 | 55,195 |
| 2000 | 11.1 | 3.0 | 23.2 | 0.4 | 55.3 | 2.8 | 4.1 | 59,491 |
| 2001 | 11.5 | 3.2 | 23.3 | 0.6 | 54.6 | 3.0 | 3.9 | 60,536 |
| 2002 | 12.4 | 3.2 | 23.9 | 0.5 | 53.1 | 2.9 | 4.0 | 59,631 |
| 2003 | 13.0 | 2.9 | 24.7 | 0.5 | 51.6 | 3.0 | 4.2 | 63,776 |
| 2004 | 12.9 | 2.9 | 25.2 | 0.5 | 49.7 | 3.4 | 5.4 | 63,246 |

Source. ACT, Inc. and Texas Education Agency.

The rate of participation in ACT testing decreased overall and for most student groups between the classes of 1996 and 2004 (Table 12). The rate for the state increased slightly between 1999 and 2001 and again between 2002 and 2003, but has decreased overall from 33.3 percent in 1996 to 28.9 percent in 2004. Similar patterns existed for most ethnic groups and both genders. A notable exception was for African American graduates, whose ACT participation rose between 1999 and 2003.

Table 12
ACT Participation Rates (\%), by Ethnicity and Gender, Texas Public Schools, Class of 1996 Through Class of 2004

| Class | Ethnicity |  |  |  |  | Gender |  | State |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American | Asian/Pacific Islander | Hispanic | Native American | White |  |  |  |
|  |  |  |  |  |  | Female | Male |  |
| 1996 | 27.8 | 30.9 | 25.1 | 81.5 | 33.1 | 36.1 | 30.2 | 33.3 |
| 1997 | 25.4 | 30.1 | 23.4 | $100^{\text {a }}$ | 31.4 | 34.9 | 28.5 | 31.9 |
| 1998 | 24.8 | 28.0 | 22.4 | 58.5 | 31.7 | 33.8 | 26.4 | 30.4 |
| 1999 | 26.4 | 28.4 | 21.6 | 63.0 | 31.7 | 33.5 | 25.8 | 30.0 |
| 2000 | 27.6 | 26.3 | 22.4 | 56.6 | 32.9 | 34.3 | 26.7 | 30.8 |
| 2001 | 28.6 | 27.4 | 20.4 | 64.7 | 33.1 | 34.5 | 27.0 | 31.1 |
| 2002 | 28.8 | 25.4 | 21.3 | 55.9 | 31.0 | 32.1 | 25.8 | 29.4 |
| 2003 | 30.3 | 23.8 | 21.7 | 49.3 | 31.0 | 32.6 | 26.1 | 29.7 |
| 2004 | 28.8 | 22.7 | 20.9 | 52.0 | 29.7 | 31.4 | 25.5 | 28.9 |

Source. ACT, Inc. and Texas Education Agency.
aBecause of discrepancies in the reporting of ethnicity between test score data from the testing companies and the Texas Education Agency Public Education Information Management System database, participation rates for ethnic groups with small numbers of graduates may be greater than 100 percent. In such a case, the number is presented in the table as 100 percent.

## Mean ACT Scores

The average ACT Composite score for the class of 2004 was 20.1, two-tenths of a point higher than the average score of 19.9 for the class of 2003 (Figure 8 and Table 13). The highest average ACT Composite scores in 2004 were obtained by Asian/Pacific Islander and White examinees. Asian/Pacific Islander examinees scored considerably higher on the Mathematics section than did the other ethnic groups; their average score of 23.8 was more than two points higher than the next highest average Mathematics score of 21.7, obtained by White examinees. Male and female examinees obtained the same average ACT Composite score of 20.1.

Figure 8
ACT Composite Performance, by Ethnicity, Texas Public Schools, Class of 1996 and Class of 2004


Source. Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c); ACT, Inc.; and Texas Education Agency.

Across all graduating classes, 1996 through 2004, there was little variability in average ACT scores (Table 13). Average scores statewide in the four ACT sections ranged from a low of 19.1 to a high of 20.5. During this time period, average ACT Composite scores were consistently highest for Asian/ Pacific Islander and White examinees. Scores were generally stable within each ethnic group across years. Scores were also relatively consistent for males and females. Males had higher average scores than females on Mathematics and Science each year, and females had higher average scores than males on English and Reading each year.

Table 13
ACT Performance, by Ethnicity and Gender, Texas Public Schools, Class of 1996 Through Class of 2004

| Class | Ethnicity |  |  |  |  |  |  | Gender |  | State |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African | Asian/ Pacific Islander | Hispanic | Native American | White | Other | No Response |  |  |  |
|  | American |  |  |  |  |  |  | Female | Male |  |
| Mean English score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 16.3 | 20.1 | 16.9 | 19.6 | 21.0 | 19.4 | 18.6 | 19.9 | 18.8 | 19.4 |
| 1997 | 16.2 | 20.1 | 17.0 | 20.0 | 20.9 | 19.9 | 18.8 | 19.7 | 18.8 | 19.3 |
| 1998 | 16.4 | 20.4 | 17.0 | 20.2 | 20.9 | 19.6 | 19.7 | 20.0 | 18.8 | 19.5 |
| 1999 | 16.5 | 20.5 | 17.0 | 19.4 | 21.0 | 19.6 | 19.8 | 20.0 | 18.8 | 19.5 |
| 2000 | 16.4 | 20.3 | 17.0 | 18.8 | 21.1 | 19.6 | 19.9 | 20.0 | 18.8 | 19.5 |
| 2001 | 16.2 | 20.8 | 16.9 | 20.4 | 21.1 | 19.5 | 19.8 | 19.9 | 18.8 | 19.4 |
| 2002 | 16.2 | 20.4 | 16.5 | 19.8 | 21.0 | 19.2 | 19.3 | 19.6 | 18.5 | 19.2 |
| 2003 | 15.9 | 20.8 | 16.5 | 19.8 | 21.0 | 19.2 | 20.0 | 19.5 | 18.6 | 19.1 |
| 2004 | 16.1 | 21.1 | 16.5 | 19.9 | 21.2 | 18.9 | 19.8 | 19.7 | 18.6 | 19.2 |
| Mean Mathematics score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 17.3 | 23.4 | 18.2 | 19.5 | 20.8 | 20.1 | 19.4 | 19.5 | 20.3 | 19.8 |
| 1997 | 17.4 | 23.9 | 18.4 | 20.2 | 21.1 | 20.7 | 19.9 | 19.8 | 20.6 | 20.1 |
| 1998 | 17.3 | 23.7 | 18.3 | 20.5 | 21.3 | 20.5 | 20.6 | 19.9 | 20.7 | 20.2 |
| 1999 | 17.5 | 23.5 | 18.3 | 20.0 | 21.1 | 20.3 | 20.3 | 19.8 | 20.6 | 20.1 |
| 2000 | 17.3 | 23.6 | 18.3 | 19.8 | 21.4 | 20.4 | 20.4 | 19.8 | 20.7 | 20.2 |
| 2001 | 17.2 | 23.8 | 18.3 | 20.6 | 21.4 | 20.2 | 20.4 | 19.8 | 20.7 | 20.2 |
| 2002 | 17.1 | 23.5 | 18.1 | 20.3 | 21.3 | 19.9 | 20.2 | 19.6 | 20.5 | 20.0 |
| 2003 | 16.8 | 23.4 | 17.9 | 20.1 | 21.4 | 19.9 | 20.6 | 19.5 | 20.4 | 19.9 |
| 2004 | 17.2 | 23.8 | 18.2 | 20.3 | 21.7 | 19.8 | 20.8 | 19.8 | 20.6 | 20.2 |
| Mean Reading score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 17.1 | 21.2 | 17.8 | 20.7 | 21.9 | 20.5 | 19.7 | 20.7 | 19.7 | 20.3 |
| 1997 | 16.9 | 21.2 | 17.8 | 21.4 | 21.8 | 21.0 | 19.9 | 20.5 | 19.9 | 20.2 |
| 1998 | 17.4 | 21.3 | 18.0 | 21.2 | 21.9 | 20.9 | 21.1 | 20.9 | 20.0 | 20.5 |
| 1999 | 17.3 | 21.3 | 18.1 | 20.5 | 21.8 | 20.8 | 21.0 | 20.7 | 20.0 | 20.4 |
| 2000 | 17.1 | 21.2 | 18.1 | 20.8 | 22.1 | 20.6 | 21.2 | 20.8 | 20.1 | 20.5 |
| 2001 | 17.0 | 21.4 | 17.9 | 21.5 | 21.9 | 20.5 | 20.9 | 20.6 | 19.9 | 20.3 |
| 2002 | 16.9 | 21.3 | 17.7 | 20.8 | 21.9 | 20.2 | 20.6 | 20.4 | 19.7 | 20.1 |
| 2003 | 16.8 | 21.6 | 17.8 | 21.2 | 21.9 | 20.3 | 21.1 | 20.3 | 19.9 | 20.1 |
| 2004 | 17.1 | 21.9 | 17.9 | 21.3 | 22.2 | 20.2 | 21.1 | 20.5 | 20.0 | 20.3 |

Source. Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c); ACT, Inc.; and Texas Education Agency.

Table 13 (continued)
ACT Performance, by Ethnicity and Gender, Texas Public Schools, Class of 1996 Through Class of 2004

| Class | Ethnicity |  |  |  |  |  |  | Gender |  | State |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American | Asian/ Pacific Islander | Hispanic | Native American | White | Other | No Response |  |  |  |
|  |  |  |  |  |  |  |  | Female | Male |  |
| Mean Science score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 17.4 | 21.5 | 18.3 | 20.5 | 21.5 | 20.4 | 19.8 | 19.9 | 20.7 | 20.2 |
| 1997 | 17.5 | 21.6 | 18.3 | 20.9 | 21.4 | 20.7 | 19.9 | 19.9 | 20.6 | 20.2 |
| 1998 | 17.5 | 21.5 | 18.5 | 20.8 | 21.5 | 20.6 | 20.7 | 20.1 | 20.8 | 20.4 |
| 1999 | 17.7 | 21.6 | 18.5 | 20.4 | 21.4 | 20.4 | 20.6 | 20.1 | 20.7 | 20.3 |
| 2000 | 17.5 | 21.5 | 18.5 | 20.5 | 21.5 | 20.3 | 20.6 | 20.0 | 20.7 | 20.3 |
| 2001 | 17.4 | 21.9 | 18.4 | 21.2 | 21.6 | 20.2 | 20.6 | 20.0 | 20.7 | 20.3 |
| 2002 | 17.5 | 21.5 | 18.2 | 20.6 | 21.4 | 20.1 | 20.2 | 19.8 | 20.4 | 20.1 |
| 2003 | 17.3 | 21.7 | 18.3 | 20.5 | 21.5 | 20.0 | 20.6 | 19.8 | 20.4 | 20.1 |
| 2004 | 17.6 | 22.0 | 18.3 | 20.8 | 21.6 | 19.9 | 20.6 | 19.9 | 20.5 | 20.1 |
| Mean Composite score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 17.1 | 21.7 | 17.9 | 20.2 | 21.4 | 20.2 | 19.5 | 20.1 | 20.0 | 20.1 |
| 1997 | 17.2 | 21.8 | 18.0 | 20.8 | 21.4 | 20.7 | 19.7 | 20.1 | 20.1 | 20.1 |
| 1998 | 17.3 | 21.8 | 18.1 | 20.8 | 21.5 | 20.6 | 20.6 | 20.3 | 20.2 | 20.3 |
| 1999 | 17.4 | 21.8 | 18.1 | 20.2 | 21.5 | 20.4 | 20.6 | 20.3 | 20.2 | 20.2 |
| 2000 | 17.2 | 21.8 | 18.1 | 20.1 | 21.7 | 20.3 | 20.7 | 20.3 | 20.2 | 20.3 |
| 2001 | 17.1 | 22.1 | 18.0 | 21.1 | 21.6 | 20.2 | 20.5 | 20.2 | 20.1 | 20.2 |
| 2002 | 17.0 | 21.8 | 17.8 | 20.5 | 21.5 | 20.0 | 20.2 | 20.0 | 19.9 | 20.0 |
| 2003 | 16.8 | 22.0 | 17.8 | 20.5 | 21.6 | 20.0 | 20.7 | 19.9 | 20.0 | 19.9 |
| 2004 | 17.1 | 22.3 | 17.9 | 20.7 | 21.8 | 19.8 | 20.7 | 20.1 | 20.1 | 20.1 |

Source. Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c); ACT, Inc.; and Texas Education Agency.

## ACT Examinee Profile

For 2004 graduates who reported their ethnicity, the proportions of African Americans and Asian/Pacific Islanders among ACT examinees were similar to their proportions of graduates: 14.1 percent of examinees and 12.9 percent of graduates were African American, and 3.2 percent of examinees and 3.7 percent of graduates were Asian/Pacific Islander (Figure 9). Among Whites, the percentage of examinees was greater than the percentage of graduates. Whites made up 54.5 percent of ACT examinees but only 48.3 percent of graduates. On the other hand, Hispanics made up only 27.7 percent of examinees, whereas they made up 34.9 percent of all graduates.

Figure 9
Graduating Seniors and ACT Examinees, by Ethnicity and Gender, Texas Public Schools, Class of 2004


Source. ACT, Inc. and Texas Education Agency.

The percentages of male and female ACT examinees in the class of 2004 and their proportions of the graduate population were different. Females made up 57.8 percent of ACT examinees and 52.6 percent of graduates. A smaller proportion of males took the examination: 42.2 percent of examinees were male, while 47.4 percent of graduates were male.

## Results for Texas and the United States

Texas and the United States: SAT I

Texas and the United States: ACT

Texas and Other States: SAT I and ACT

## Texas and the United States: SAT I

## SAT I Participation

The number of SAT I examinees among graduating seniors in both public and non-public Texas schools steadily increased from graduation year 1996 to graduation year 2004 (Table 14). The number of examinees in Texas increased from 124,571 in 2003 to 127,723 in 2004. The number of SAT I examinees in the nation also steadily increased from 1996 to 2004. The number of national examinees increased from 1,406,324 in 2003 to 1,419,007 in 2004. From 2003 to 2004, the rate at which Texas graduating seniors took the SAT I decreased from 57 percent to 52 percent, and the national participation rate remained at 48 percent. For SAT I participation trends by ethnic group prior to the class of 1996, see Table A-1 in the Appendix.

Table 14
SAT I Participation, Texas and the United States, Class of 1996 Through Class of 2004

|  | Examinees |  | Participation rate $(\%)$ |  |
| :--- | ---: | ---: | ---: | ---: |
| Class | Texas | U.S. | Texas | U.S. |
| 1996 | 89,329 | $1,084,725$ | 48 | 41 |
| 1997 | 94,034 | $1,127,021$ | 48 | 42 |
| 1998 | 100,417 | $1,172,779$ | 51 | 43 |
| 1999 | 104,144 | $1,220,130$ | 50 | 43 |
| 2000 | 108,919 | $1,260,278$ | 52 | 44 |
|  |  |  |  | 4 |
| 2001 | 111,277 | $1,276,320$ | 53 | 45 |
| 2002 | 116,457 | $1,327,831$ | 55 | 46 |
| 2003 | 124,571 | $1,406,324$ | 57 | 48 |
| 2004 | 127,723 | $1,419,007$ | 52 | 48 |

Source. College Board (1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002b, 2002c, 2003b, 2003c, 2004a, 2004b).
Note. Rates that involve both public and private schools were obtained from summary reports released annually by the College Board. In these reports, the rates are rounded to the nearest whole number.

## Mean SAT I Scores

For the classes of 1996 through 2004, the national mean SAT I scores were generally higher than the Texas mean scores for all ethnic and gender groups, with one exception. The mean SAT I Verbal scores of Asian/Pacific Islander examinees in Texas were equal to or higher than the scores of Asian/Pacific Islander examinees in the nation across all nine years (Table 15). Gaps between national and Texas mean SAT I subject and combined scores increased for males over the period (Table 16 on page 42). Gaps between national and Texas mean SAT I mathematics and combined scores for females decreased from 2003 to 2004. For mean scores by ethnicity prior to 1996, see Table A-2 in the Appendix.

Table 15
SAT I Performance, by Ethnicity, Texas and the United States, Class of 1996 Through Class of 2004

| Class | Ethnicity |  |  |  |  |  |  |  | All examinees |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American |  | Asian/ <br> Pacific Islander |  | Hispanic |  | White |  |  |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| Mean Verbal score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 428 | 434 | 503 | 496 | 454 | 458 | 521 | 526 | 495 | 505 |
| 1997 | 426 | 434 | 502 | 496 | 452 | 457 | 521 | 526 | 494 | 505 |
| 1998 | 426 | 434 | 505 | 498 | 452 | 456 | 522 | 526 | 494 | 505 |
| 1999 | 427 | 434 | 507 | 498 | 452 | 457 | 522 | 527 | 494 | 505 |
| 2000 | 427 | 434 | 504 | 499 | 450 | 457 | 523 | 528 | 493 | 505 |
| 2001 | 425 | 433 | 506 | 501 | 448 | 455 | 523 | 529 | 493 | 506 |
| 2002 | 420 | 430 | 507 | 501 | 444 | 452 | 523 | 527 | 491 | 504 |
| 2003 | 423 | 431 | 509 | 508 | 444 | 453 | 525 | 529 | 493 | 507 |
| 2004 | 422 | 430 | 507 | 507 | 446 | 456 | 523 | 528 | 493 | 508 |
| Mean Mathematics score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 424 | 422 | 564 | 558 | 459 | 460 | 523 | 523 | 500 | 508 |
| 1997 | 422 | 423 | 566 | 560 | 459 | 460 | 525 | 526 | 501 | 511 |
| 1998 | 424 | 426 | 562 | 562 | 458 | 460 | 526 | 528 | 501 | 512 |
| 1999 | 420 | 422 | 563 | 560 | 454 | 458 | 525 | 528 | 499 | 511 |
| 2000 | 423 | 426 | 564 | 565 | 454 | 461 | 528 | 530 | 500 | 514 |
| 2001 | 421 | 426 | 565 | 566 | 452 | 460 | 528 | 531 | 499 | 514 |
| 2002 | 420 | 427 | 567 | 569 | 452 | 459 | 529 | 533 | 500 | 516 |
| 2003 | 418 | 426 | 565 | 575 | 450 | 459 | 529 | 534 | 500 | 519 |
| 2004 | 421 | 427 | 563 | 577 | 451 | 460 | 527 | 531 | 499 | 518 |
| Mean combined score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 852 | 856 | 1067 | 1054 | 912 | 918 | 1044 | 1049 | 995 | 1013 |
| 1997 | 848 | 857 | 1068 | 1056 | 911 | 917 | 1046 | 1052 | 995 | 1016 |
| 1998 | 850 | 860 | 1067 | 1060 | 910 | 916 | 1048 | 1054 | 995 | 1017 |
| 1999 | 847 | 856 | 1070 | 1058 | 906 | 915 | 1047 | 1055 | 993 | 1016 |
| 2000 | 850 | 860 | 1068 | 1064 | 904 | 918 | 1051 | 1058 | 993 | 1019 |
| 2001 | 846 | 859 | 1071 | 1067 | 900 | 915 | 1051 | 1060 | 992 | 1026 |
| 2002 | 840 | 857 | 1074 | 1070 | 896 | 911 | 1052 | 1060 | 991 | 1020 |
| 2003 | 841 | 857 | 1074 | 1083 | 894 | 912 | 1054 | 1063 | 993 | 1026 |
| 2004 | 843 | 857 | 1070 | 1084 | 897 | 916 | 1050 | 1059 | 992 | 1026 |

Source. College Board (1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002b, 2002c, 2003b, 2003c, 2004a, 2004b) and Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c).

Table 16
SAT I Performance, by Gender, Texas and the United States, Class of 1996 Through Class of 2004

| Class | Female |  | Male |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Texas | U.S. | Texas | U.S. |
| Mean Verbal score |  |  |  |  |
| 1996 | 493 | 503 | 498 | 507 |
| 1997 | 493 | 503 | 496 | 507 |
| 1998 | 490 | 502 | 499 | 509 |
| 1999 | 491 | 502 | 499 | 509 |
| 2000 | 491 | 504 | 496 | 507 |
| 2001 | 489 | 502 | 497 | 509 |
| 2002 | 488 | 502 | 495 | 507 |
| 2003 | 489 | 503 | 498 | 512 |
| 2004 | 490 | 504 | 496 | 512 |
| Mean Mathematics score |  |  |  |  |
| 1996 | 485 | 492 | 518 | 527 |
| 1997 | 487 | 494 | 518 | 530 |
| 1998 | 486 | 496 | 518 | 531 |
| 1999 | 483 | 495 | 517 | 531 |
| 2000 | 485 | 498 | 518 | 533 |
| 2001 | 485 | 498 | 516 | 533 |
| 2002 | 485 | 500 | 518 | 534 |
| 2003 | 485 | 503 | 517 | 537 |
| 2004 | 485 | 501 | 516 | 537 |
| Mean combined score |  |  |  |  |
| 1996 | 978 | 995 | 1016 | 1034 |
| 1997 | 980 | 997 | 1014 | 1037 |
| 1998 | 976 | 998 | 1017 | 1040 |
| 1999 | 974 | 997 | 1016 | 1040 |
| 2000 | 976 | 1002 | 1014 | 1040 |
| 2001 | 974 | 1000 | 1013 | 1042 |
| 2002 | 973 | 1002 | 1013 | 1041 |
| 2003 | 974 | 1006 | 1015 | 1049 |
| 2004 | 975 | 1005 | 1012 | 1049 |

Source. College Board (1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002b, 2002c, 2003b, 2003c, 2004a, 2004b).

## SAT I Examinee Profile

From graduation year 1996 through graduation year 2004, the proportions of Hispanic SAT I examinees in Texas were nearly three times the proportions of Hispanic examinees in the United States as a whole. Hispanics made up 21.9 percent of the test-taking population in Texas, but were only 8.6 percent of test takers nationally (Table 17). The proportions of White examinees in the United States were, on average, 5.5 percentage points higher than the proportions of White examinees in Texas. The proportions of female and male examinees in Texas were similar to the national percentages (Table 18 on page 44).

Table 17
SAT I Examinee Population, by Ethnicity, Texas and the United States, Class of 1996 Through Class of 2004

| Class | Examinees |  | Ethnicity (\%) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | African American |  | Hispanic |  | White |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| 1996 | 89,329 | 1,084,725 | 10.6 | 9.8 | 19.7 | 7.6 | 57.6 | 62.8 |
| 1997 | 94,034 | 1,127,021 | 10.3 | 9.8 | 20.2 | 7.6 | 56.2 | 61.6 |
| 1998 | 100,417 | 1,172,779 | 10.6 | 9.8 | 20.1 | 7.7 | 55.0 | 60.1 |
| 1999 | 104,144 | 1,220,130 | 10.8 | 9.8 | 20.0 | 7.8 | 53.5 | 58.8 |
| 2000 | 108,919 | 1,260,278 | 10.5 | 9.5 | 20.3 | 7.8 | 50.9 | 56.5 |
| 2001 | 111,277 | 1,276,320 | 10.6 | 9.4 | 20.5 | 7.9 | 49.4 | 55.1 |
| 2002 | 116,457 | 1,327,831 | 10.6 | 9.2 | 20.2 | 7.8 | 46.5 | 52.6 |
| 2003 | 124,571 | 1,406,324 | 10.1 | 8.9 | 19.7 | 7.6 | 41.8 | 47.7 |
| 2004 | 127,723 | 1,419,007 | 11.2 | 9.7 | 21.9 | 8.6 | 45.2 | 50.7 |

Source. College Board (1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002b, 2002c, 2003b, 2003c, 2004a, 2004b) and Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c).

Table 18
SAT I Examinee Population, by Gender, Texas and the United States, Class of 1996 Through Class of 2004

| Class |  |  | Gender (\%) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Examinees |  | Female |  | Male |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| 1996 | 89,329 | 1,084,725 | 54.2 | 53.5 | 45.8 | 46.5 |
| 1997 | 94,034 | 1,127,021 | 54.3 | 53.8 | 45.7 | 46.2 |
| 1998 | 100,417 | 1,172,779 | 54.3 | 53.8 | 45.7 | 46.2 |
| 1999 | 104,144 | 1,220,130 | 54.2 | 53.9 | 45.8 | 46.1 |
| 2000 | 108,919 | 1,260,278 | 54.0 | 53.7 | 46.0 | 46.3 |
| 2001 | 111,277 | 1,276,320 | 53.9 | 53.6 | 46.1 | 46.4 |
| 2002 | 116,457 | 1,327,831 | 54.1 | 53.6 | 45.9 | 46.4 |
| 2003 | 124,571 | 1,406,324 | 53.6 | 53.6 | 46.4 | 46.4 |
| 2004 | 127,723 | 1,419,007 | 53.7 | 53.5 | 46.3 | 46.5 |

Source. College Board (1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002b, 2002c, 2003b, 2003c, 2004a, 2004b).

## Texas and the United States: ACT

## ACT Participation

The number of ACT examinees in Texas public and non-public schools generally increased from the class of 1996 to the class of 2004 (Table 19). The number of ACT examinees decreased from 73,145 in 2003 to 71,696 in 2004. This represented a decrease of 4 percentage points in participation rate from 33 percent in 2003 to 29 percent in 2004. Although the number of national examinees also decreased from 1,175,059 in 2003 to 1,171,460 in 2004, the national participation rate did not change between the two years. For ACT participation trends by ethnic group prior to 1996, see Table A-3 in the Appendix.

Table 19
ACT Participation, Texas and the United States, Class of 1996 Through Class of 2004

| Class | Examinees |  | Participation rate (\%) |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Texas | U.S. | Texas | U.S. |
| 1996 | 55,442 | 924,663 | 30 | 35 |
| 1997 | 58,395 | 959,301 | 30 | 36 |
| 1998 | 64,064 | 995,039 | 32 | 37 |
| 1999 | 65,094 | 1,019,053 | 31 | 36 |
| 2000 | 68,010 | 1,065,138 | 32 | 38 |
| 2001 | 68,967 | 1,069,772 | 33 | 38 |
| 2002 | 67,842 | 1,116,082 | 32 | 39 |
| 2003 | 73,145 | 1,175,059 | 33 | 40 |
| 2004 | 71,696 | 1,171,460 | 29 | 40 |

Source. ACT, Inc. (1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002a, 2002b, 2003a, 2003b, 2004a, 2004b).

## Mean ACT Scores

From the class of 1996 through the class of 2004, the average scores for White and Hispanic students were generally higher nationally than in Texas on all ACT sections (Table 20). This trend was the same for males and females (Table 21 on page 48). Among Asian/Pacific Islander and African American examinees, however, the majority of scores were higher in Texas than in the nation on most ACT sections during this time period. Most notably, in all nine years, the Mathematics and Science scores of African Americans in Texas exceeded or equaled those of African Americans nationally, and the Mathematics scores of Asian/Pacific Islanders in Texas were higher than those of Asian/Pacific Islanders nationally. For mean scores by ethnicity prior to the class of 1996, see Table A-4 in the Appendix.

Table 20
ACT Performance, by Ethnicity, Texas and the United States, Class of 1996 Through Class of 2004

| Class | Ethnicity |  |  |  |  |  |  |  | All examinees |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American |  | Asian/ <br> Pacific Islander |  | Hispanic |  | White |  |  |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| Mean English score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 16.4 | 16.4 | 20.2 | 20.3 | 17.0 | 17.9 | 21.1 | 21.1 | 19.5 | 20.3 |
| 1997 | 16.2 | 16.4 | 20.2 | 20.4 | 17.0 | 18.0 | 20.9 | 21.2 | 19.4 | 20.3 |
| 1998 | 16.4 | 16.4 | 20.4 | 20.5 | 17.1 | 17.9 | 20.9 | 21.2 | 19.5 | 20.4 |
| 1999 | 16.5 | 16.4 | 20.6 | 20.5 | 17.2 | 17.9 | 21.1 | 21.3 | 19.7 | 20.5 |
| 2000 | 16.4 | 16.4 | 20.3 | 20.5 | 17.2 | 17.9 | 21.2 | 21.3 | 19.7 | 20.5 |
| 2001 | 16.2 | 16.2 | 20.9 | 20.7 | 17.0 | 17.8 | 21.2 | 21.3 | 19.6 | 20.5 |
| 2002 | 16.2 | 16.2 | 20.5 | 20.5 | 16.6 | 17.4 | 21.1 | 21.2 | 19.3 | 20.2 |
| 2003 | 15.9 | 16.2 | 20.9 | 20.7 | 16.7 | 17.5 | 21.2 | 21.3 | 19.3 | 20.3 |
| 2004 | 16.1 | 16.3 | 21.2 | 21.0 | 16.7 | 17.5 | 21.4 | 21.4 | 19.4 | 20.4 |
| Mean Mathematics score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 17.3 | 16.8 | 23.4 | 22.9 | 18.3 | 18.7 | 20.8 | 20.8 | 19.9 | 20.2 |
| 1997 | 17.4 | 16.9 | 23.9 | 23.3 | 18.5 | 19.0 | 21.1 | 21.2 | 20.2 | 20.6 |
| 1998 | 17.2 | 16.9 | 23.7 | 23.4 | 18.3 | 19.0 | 21.2 | 21.4 | 20.2 | 20.8 |
| 1999 | 17.4 | 16.9 | 23.5 | 23.1 | 18.4 | 19.0 | 21.2 | 21.3 | 20.2 | 20.7 |
| 2000 | 17.3 | 16.8 | 23.5 | 23.2 | 18.4 | 18.9 | 21.4 | 21.3 | 20.2 | 20.7 |
| 2001 | 17.2 | 16.8 | 23.8 | 23.1 | 18.3 | 18.9 | 21.4 | 21.3 | 20.2 | 20.7 |
| 2002 | 17.1 | 16.7 | 23.5 | 22.9 | 18.1 | 18.6 | 21.4 | 21.3 | 20.1 | 20.6 |
| 2003 | 16.8 | 16.7 | 23.6 | 22.9 | 18.0 | 18.5 | 21.4 | 21.3 | 20.0 | 20.6 |
| 2004 | 17.2 | 16.9 | 23.8 | 23.0 | 18.3 | 18.6 | 21.7 | 21.4 | 20.3 | 20.7 |

Source. ACT, Inc. (1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002a, 2002b, 2003a, 2003b, 2004a, 2004b) and Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c).

Table 20 (continued)
ACT Performance, by Ethnicity, Texas and the United States, Class of 1996 Through Class of 2004

| Class | Ethnicity |  |  |  |  |  |  |  | All examinees |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American |  | Asian/ <br> Pacific Islander |  | Hispanic |  | White |  |  |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| Mean Reading score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 17.2 | 17.1 | 21.3 | 21.3 | 18.0 | 19.1 | 21.9 | 22.2 | 20.4 | 21.3 |
| 1997 | 16.9 | 17.1 | 21.2 | 21.2 | 17.9 | 19.0 | 21.8 | 22.2 | 20.3 | 21.3 |
| 1998 | 17.4 | 17.2 | 21.3 | 21.3 | 18.1 | 19.1 | 22.0 | 22.1 | 20.6 | 21.4 |
| 1999 | 17.3 | 17.1 | 21.4 | 21.2 | 18.3 | 19.1 | 22.0 | 22.1 | 20.6 | 21.4 |
| 2000 | 17.1 | 17.0 | 21.3 | 21.3 | 18.2 | 19.1 | 22.2 | 22.2 | 20.6 | 21.4 |
| 2001 | 17.0 | 16.9 | 21.5 | 21.1 | 18.0 | 18.9 | 22.0 | 22.2 | 20.5 | 21.3 |
| 2002 | 16.8 | 16.8 | 21.4 | 21.2 | 17.8 | 18.6 | 22.0 | 22.1 | 20.3 | 21.1 |
| 2003 | 16.8 | 17.0 | 21.7 | 21.3 | 18.0 | 18.8 | 22.0 | 22.2 | 20.3 | 21.2 |
| 2004 | 17.1 | 17.1 | 21.9 | 21.5 | 18.0 | 18.7 | 22.3 | 22.3 | 20.5 | 21.3 |
| Mean Science score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 17.4 | 17.3 | 21.5 | 21.5 | 18.4 | 19.1 | 21.5 | 21.8 | 20.3 | 21.1 |
| 1997 | 17.5 | 17.4 | 21.6 | 21.6 | 18.4 | 19.1 | 21.4 | 21.8 | 20.3 | 21.1 |
| 1998 | 17.5 | 17.3 | 21.5 | 21.6 | 18.5 | 19.1 | 21.5 | 21.8 | 20.3 | 21.1 |
| 1999 | 17.6 | 17.3 | 21.6 | 21.3 | 18.5 | 19.1 | 21.5 | 21.7 | 20.4 | 21.0 |
| 2000 | 17.4 | 17.3 | 21.5 | 21.5 | 18.5 | 19.1 | 21.5 | 21.7 | 20.3 | 21.0 |
| 2001 | 17.4 | 17.2 | 21.9 | 21.5 | 18.5 | 19.0 | 21.6 | 21.8 | 20.3 | 21.0 |
| 2002 | 17.4 | 17.1 | 21.5 | 21.3 | 18.3 | 18.6 | 21.5 | 21.6 | 20.1 | 20.8 |
| 2003 | 17.2 | 17.2 | 21.8 | 21.5 | 18.4 | 18.7 | 21.5 | 21.6 | 20.1 | 20.8 |
| 2004 | 17.6 | 17.4 | 22.0 | 21.7 | 18.4 | 18.7 | 21.6 | 21.6 | 20.2 | 20.9 |
| Mean Composite score |  |  |  |  |  |  |  |  |  |  |
| 1996 | 17.2 | 17.0 | 21.8 | 21.6 | 18.0 | 18.8 | 21.5 | 21.6 | 20.2 | 20.9 |
| 1997 | 17.1 | 17.1 | 21.8 | 21.7 | 18.1 | 18.9 | 21.4 | 21.7 | 20.2 | 21.0 |
| 1998 | 17.2 | 17.1 | 21.8 | 21.8 | 18.2 | 18.9 | 21.5 | 21.7 | 20.3 | 21.0 |
| 1999 | 17.3 | 17.1 | 21.9 | 21.7 | 18.3 | 18.9 | 21.6 | 21.7 | 20.3 | 21.0 |
| 2000 | 17.2 | 17.0 | 21.8 | 21.7 | 18.2 | 18.9 | 21.7 | 21.8 | 20.3 | 21.0 |
| 2001 | 17.1 | 16.9 | 22.2 | 21.7 | 18.1 | 18.8 | 21.7 | 21.8 | 20.3 | 21.0 |
| 2002 | 17.0 | 16.8 | 21.9 | 21.6 | 17.8 | 18.4 | 21.6 | 21.7 | 20.1 | 20.8 |
| 2003 | 16.8 | 16.9 | 22.1 | 21.8 | 17.9 | 18.5 | 21.7 | 21.7 | 20.1 | 20.8 |
| 2004 | 17.1 | 17.1 | 22.3 | 21.9 | 18.0 | 18.5 | 21.9 | 21.8 | 20.2 | 20.9 |

Source. ACT, Inc. (1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002a, 2002b, 2003a, 2003b, 2004a, 2004b) and Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c).

Table 21
ACT Performance, by Gender, Texas and the United States, Class of 1996 Through Class of 2004

| Class | Female |  | Male |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Texas | U.S. | Texas | U.S. |
| Mean English score |  |  |  |  |
| 1996 | 20.0 | 20.7 | 18.9 | 19.8 |
| 1997 | 19.8 | 20.7 | 18.9 | 19.9 |
| 1998 | 20.0 | 20.8 | 18.9 | 19.9 |
| 1999 | 20.2 | 20.9 | 18.9 | 20.0 |
| 2000 | 20.2 | 20.9 | 18.9 | 20.0 |
| 2001 | 20.0 | 20.8 | 18.9 | 20.0 |
| 2002 | 19.8 | 20.6 | 18.7 | 19.7 |
| 2003 | 19.7 | 20.7 | 18.8 | 19.8 |
| 2004 | 19.8 | 20.8 | 18.8 | 19.9 |
| Mean Mathematics score |  |  |  |  |
| 1996 | 19.6 | 19.7 | 20.4 | 20.9 |
| 1997 | 19.8 | 20.1 | 20.6 | 21.3 |
| 1998 | 19.8 | 20.2 | 20.7 | 21.5 |
| 1999 | 19.8 | 20.2 | 20.7 | 21.4 |
| 2000 | 19.9 | 20.2 | 20.7 | 21.4 |
| 2001 | 19.9 | 20.2 | 20.7 | 21.4 |
| 2002 | 19.7 | 20.1 | 20.5 | 21.2 |
| 2003 | 19.6 | 20.1 | 20.5 | 21.2 |
| 2004 | 19.9 | 20.2 | 20.7 | 21.3 |
| Mean Reading score |  |  |  |  |
| 1996 | 20.9 | 21.6 | 19.9 | 21.0 |
| 1997 | 20.6 | 21.5 | 20.0 | 21.2 |
| 1998 | 20.9 | 21.6 | 20.1 | 21.1 |
| 1999 | 20.9 | 21.6 | 20.1 | 21.1 |
| 2000 | 20.9 | 21.5 | 20.2 | 21.2 |
| 2001 | 20.7 | 21.5 | 20.1 | 21.1 |
| 2002 | 20.5 | 21.3 | 19.9 | 20.9 |
| 2003 | 20.5 | 21.4 | 20.0 | 21.0 |
| 2004 | 20.7 | 21.5 | 20.1 | 21.1 |

Source. ACT, Inc. (1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002a, 2002b, 2003a, 2003b, 2004a, 2004b).

Table 21 (continued)
ACT Performance, by Gender, Texas and the United States, Class of 1996 Through Class of 2004

|  | Female |  |  | Male |
| :--- | :--- | :--- | :--- | :--- |
| Class | Texas | U.S. | U.S. |  |
| Mean Science score |  |  |  |  |
| 1996 | 20.0 | 20.5 | 20.7 | 21.7 |
| 1997 | 20.0 | 20.6 | 20.7 | 21.7 |
| 1998 | 20.0 | 20.6 | 20.8 | 21.8 |
| 1999 | 20.1 | 20.6 | 20.7 | 21.5 |
| 2000 | 20.1 | 20.6 | 20.7 | 21.6 |
|  |  |  |  |  |
| 2001 | 20.1 | 20.6 | 20.1 | 21.6 |
| 2002 | 19.9 | 20.4 | 20.5 | 21.3 |
| 2003 | 19.9 | 20.4 | 20.5 | 21.3 |
| 2004 | 20.0 | 20.5 | 20.5 | 21.3 |
| Mean Composite score |  |  |  |  |
| 1996 | 20.2 | 20.8 | 20.1 | 21.0 |
| 1997 | 20.2 | 20.8 | 20.2 | 21.1 |
| 1998 | 20.3 | 20.9 | 20.2 | 21.2 |
| 1999 | 20.4 | 20.9 | 20.3 | 21.1 |
| 2000 | 20.4 | 20.9 | 20.3 | 21.2 |
| 2001 |  |  |  |  |
| 2002 | 20.3 | 20.9 | 20.2 | 21.1 |
| 2003 | 20.1 | 20.7 | 20.0 | 20.9 |
| 2004 | 20.2 | 20.8 | 20.2 | 21.0 |

Source. ACT, Inc. (1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002a, 2002b, 2003a, 2003b, 2004a, 2004b).

## ACT Examinee Profile

From graduation year 1996 through graduation year 2004, the proportions of ACT examinees in Texas who were African American were similar to the proportions nationally (Table 22). In the United States as a whole, the percentage of test takers who were Hispanic was 6.7 percent or lower each year, whereas in Texas the proportions ranged from 21.6 to 24.5 percent. In contrast, the percentages of White examinees in Texas over the eight-year period were 15 to 17 percentage points smaller than the percentages of White examinees nationally. The proportions of male and female examinees were similar in Texas and the nation across the nine-year period (Table 23).

Table 22
ACT Examinee Population, by Ethnicity, Texas and the United States, Class of 1996 Through Class of 2004

| Class | Examinees |  | Ethnicity (\%) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | African American |  | Hispanic |  | White |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| 1996 | 55,442 | 924,663 | 9.4 | 9.5 | 21.7 | 5.1 | 55.5 | 70.8 |
| 1997 | 58,395 | 959,301 | 9.5 | 9.4 | 21.6 | 5.0 | 53.7 | 69.2 |
| 1998 | 64,064 | 995,039 | 10.1 | 10.1 | 22.4 | 5.2 | 55.7 | 71.1 |
| 1999 | 65,094 | 1,019,053 | 10.6 | 10.2 | 21.7 | 5.2 | 56.9 | 71.8 |
| 2000 | 68,010 | 1,065,138 | 10.9 | 10.4 | 22.6 | 5.4 | 55.8 | 71.5 |
| 2001 | 68,967 | 1,069,772 | 11.3 | 10.6 | 22.8 | 5.6 | 55.0 | 71.4 |
| 2002 | 67,842 | 1,116,082 | 12.2 | 10.8 | 23.4 | 6.0 | 53.5 | 69.3 |
| 2003 | 73,145 | 1,175,059 | 12.7 | 11.0 | 23.9 | 6.4 | 52.3 | 68.5 |
| 2004 | 71,696 | 1,171,460 | 12.7 | 11.3 | 24.5 | 6.7 | 50.2 | 67.3 |

Source. ACT, Inc. (1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002a, 2002b, 2003a, 2003b, 2004a, 2004b) and Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c).

Table 23
ACT Examinee Population, by Gender, Texas and the United States, Class of 1996 Through Class of 2004

| Class |  |  | Gender (\%) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Examinees |  | Female |  | Male |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| 1996 | 55,442 | 924,663 | 57.2 | 55.9 | 42.8 | 44.1 |
| 1997 | 58,395 | 959,301 | 57.5 | 56.3 | 42.5 | 43.7 |
| 1998 | 64,064 | 995,039 | 58.8 | 56.7 | 41.2 | 43.3 |
| 1999 | 65,094 | 1,019,053 | 58.8 | 56.7 | 40.8 | 42.9 |
| 2000 | 68,010 | 1,065,138 | 58.7 | 56.8 | 40.9 | 42.8 |
| 2001 | 68,967 | 1,069,772 | 58.3 | 56.5 | 41.1 | 43.0 |
| 2002 | 67,842 | 1,116,082 | 58.1 | 55.8 | 41.1 | 43.5 |
| 2003 | 73,145 | 1,175,059 | 57.4 | 55.9 | 41.7 | 43.4 |
| 2004 | 71,696 | 1,171,460 | 57.2 | 55.8 | 41.9 | 43.4 |

Source. ACT, Inc. (1996a, 1996b, 1997a, 1997b, 1998a, 1998b, 1999a, 1999b, 2000a, 2000b, 2001a, 2001b, 2002a, 2002b, 2003a, 2003b, 2004a, 2004b).

## Texas and Other States: SAT I and ACT

Participation rates for both SAT I and ACT varied considerably across states (Table 24 on page 53 and Table 25 on page 55). On the SAT I, Iowa (5\%), Mississippi (5\%), North Dakota (5\%), and South Dakota (5\%) had the lowest participation rates, while Connecticut ( $85 \%$ ), Massachusetts ( $85 \%$ ), and New York ( $87 \%$ ) had the highest rates. On the ACT, Delaware (5\%), New Jersey ( $6 \%$ ), and Rhode Island (7\%) had the lowest participation rates, while Colorado (100\%) and Illinois (99\%) had the highest rates. Beginning in the spring of 2001, Colorado and Illinois required all Grade 11 students to participate in ACT testing as part of their statewide assessment programs (ACT, 2003a). Participation in SAT I testing was generally highest in states of the Northeast, whereas participation in ACT testing was generally highest in states of the South and Midwest.

Score differentials across states are difficult to interpret unless participation rates and student demographics are similar (see the Group Scores section on page 8). Given two groups with very different participation rates but equal ability levels, the mean score of the group with a very low participation rate will tend to be higher than the mean score of the group with a very high participation rate, even though there is no actual difference in group ability levels. States with SAT I participation rates similar to the rate in Texas ( $52 \%$ ) include Alaska, California, Oregon, and Washington. States with ACT participation rates similar to Texas' (29\%) include Alaska, the District of Columbia, Georgia, and Nevada.

Table 24
SAT I Participation and Performance, by State, Class of 2004

| State | Participation | Mean scores |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | rate (\%) | Mathematics | Verbal | Combined |
| lowa | 5 | 602 | 593 | 1195 |
| Mississippi | 5 | 547 | 562 | 1109 |
| North Dakota | 5 | 601 | 582 | 1183 |
| South Dakota | 5 | 597 | 594 | 1191 |
| Arkansas | 6 | 555 | 569 | 1124 |
| Oklahoma | 7 | 566 | 569 | 1135 |
| Utah | 7 | 556 | 565 | 1121 |
| Wisconsin | 7 | 596 | 587 | 1183 |
| Louisiana | 8 | 561 | 564 | 1125 |
| Missouri | 8 | 585 | 587 | 1172 |
| Nebraska | 8 | 576 | 569 | 1145 |
| Kansas | 9 | 585 | 584 | 1169 |
| Alabama | 10 | 553 | 560 | 1113 |
| Illinois | 10 | 597 | 585 | 1182 |
| Minnesota | 10 | 593 | 587 | 1180 |
| Michigan | 11 | 573 | 563 | 1136 |
| Kentucky | 12 | 557 | 559 | 1116 |
| Wyoming | 12 | 546 | 551 | 1097 |
| New Mexico | 14 | 543 | 554 | 1097 |
| Tennessee | 16 | 557 | 567 | 1124 |
| West Virginia | 19 | 514 | 524 | 1038 |
| Idaho | 20 | 539 | 540 | 1079 |
| Colorado | 27 | 553 | 554 | 1107 |
| Ohio | 28 | 542 | 538 | 1080 |
| Montana | 29 | 539 | 537 | 1076 |
| Arizona | 32 | 524 | 523 | 1047 |
| Nevada | 40 | 514 | 507 | 1021 |
| California | 49 | 519 | 501 | 1020 |
| Texas | 52 | 499 | 493 | 992 |
| Washington | 52 | 531 | 528 | 1059 |

Source. College Board (2004a)

Table 24 (continued)
SAT I Participation and Performance, by State, Class of 2004

| State | Participation rate (\%) | Mean scores |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Mathematics | Verbal | Combined |
| Alaska | 53 | 514 | 518 | 1032 |
| Oregon | 56 | 528 | 527 | 1055 |
| Hawaii | 60 | 514 | 487 | 1001 |
| South Carolina | 62 | 495 | 491 | 986 |
| Indiana | 64 | 506 | 501 | 1007 |
| Vermont | 66 | 512 | 516 | 1028 |
| Florida | 67 | 499 | 499 | 998 |
| Maryland | 68 | 515 | 511 | 1026 |
| North Carolina | 70 | 507 | 499 | 1006 |
| Virginia | 71 | 509 | 515 | 1024 |
| Rhode Island | 72 | 502 | 503 | 1005 |
| Delaware | 73 | 499 | 500 | 999 |
| Georgia | 73 | 493 | 494 | 987 |
| Pennsylvania | 74 | 502 | 501 | 1003 |
| Maine | 76 | 501 | 505 | 1006 |
| District of Columbia | 77 | 476 | 489 | 965 |
| New Hampshire | 80 | 521 | 522 | 1043 |
| New Jersey | 83 | 514 | 501 | 1015 |
| Connecticut | 85 | 515 | 515 | 1030 |
| Massachusetts | 85 | 523 | 518 | 1041 |
| New York | 87 | 510 | 497 | 1007 |
| United States | 48 | 518 | 508 | 1026 |

Source. College Board (2004a).

Table 25
ACT Participation and Performance, by State, Class of 2004

| State | Participation rate (\%) | Mean Composite score | State | Participation rate (\%) | Mean Composite score |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Delaware | 5 | 21.5 | Florida | 44 | 20.5 |
| New Jersey | 6 | 21.2 | Montana | 56 | 21.7 |
| Rhode Island | 7 | 21.9 | Idaho | 59 | 21.3 |
| Connecticut | 9 | 22.5 | New Mexico | 61 | 20.1 |
| Maine | 9 | 22.6 | West Virginia | 65 | 20.5 |
| New Hampshire | 9 | 22.5 | Minnesota | 66 | 22.2 |
| Pennsylvania | 9 | 21.8 | Ohio | 66 | 21.4 |
| Maryland | 12 | 20.8 | Iowa | 67 | 22.0 |
| Massachusetts | 12 | 22.4 | Utah | 67 | 21.5 |
| Oregon | 12 | 22.5 | Michigan | 68 | 21.4 |
| Vermont | 12 | 22.7 | Wisconsin | 68 | 22.2 |
| Virginia | 13 | 20.9 | Oklahoma | 69 | 20.6 |
| California | 14 | 21.6 | Missouri | 70 | 21.5 |
| North Carolina | 15 | 20.3 | Wyoming | 70 | 21.4 |
| Washington | 15 | 22.5 | Arkansas | 73 | 20.4 |
| New York | 16 | 22.3 | Kansas | 75 | 21.6 |
| Hawaii | 18 | 21.7 | Kentucky | 75 | 20.3 |
| Arizona | 20 | 21.5 | South Dakota | 75 | 21.5 |
| Indiana | 20 | 21.6 | Alabama | 76 | 20.2 |
| Georgia | 26 | 20.0 | Nebraska | 77 | 21.7 |
| Alaska | 29 | 21.3 | Louisiana | 87 | 19.8 |
| District of Columbia | 29 | 17.8 | Tennessee | 87 | 20.5 |
| Texas | 29 | 20.2 | North Dakota | 81 | 21.2 |
| Nevada | 33 | 21.2 | Mississippi | 91 | 18.8 |
| South Carolina | 36 | 19.3 | Illinois | 99 | 20.3 |
|  |  |  | Colorado | 100 | 20.3 |
|  |  |  | United States | 40 | 20.9 |

Source. ACT, Inc. (2004a).

## Appendix

## Supplemental Tables

Table A-1
SAT I Examinee Population, by Ethnicity, Texas and the United States, Class of 1987 Through Class of 2004

| Class | Examinees |  | Ethnicity (\%) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | African American |  | Hispanic |  | White |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| 1987 | 75,364 | 1,080,426 | 8.0 | 8.1 | 13.1 | 4.6 | 70.3 | 73.0 |
| 1988 | 80,107 | 1,134,364 | 8.6 | 8.6 | 13.6 | 4.8 | 68.6 | 71.7 |
| 1989 | 81,541 | 1,088,223 | 9.1 | 8.9 | 15.3 | 5.3 | 65.3 | 69.1 |
| 1990 | 78,057 | 1,025,523 | 9.8 | 9.2 | 16.9 | 6.0 | 63.2 | 67.8 |
| 1991 | 79,946 | 1,032,685 | 10.2 | 9.7 | 18.0 | 6.4 | 61.8 | 66.5 |
| 1992 | 80,174 | 1,034,131 | 10.5 | 9.6 | 18.7 | 6.7 | 60.4 | 65.8 |
| 1993 | 82,537 | 1,044,465 | 10.2 | 9.9 | 19.2 | 7.0 | 58.9 | 64.2 |
| 1994 | 83,963 | 1,050,386 | 10.2 | 9.8 | 19.6 | 7.4 | 57.9 | 63.0 |
| 1995 | 85,616 | 1,067,993 | 10.2 | 9.7 | 19.7 | 7.5 | 57.9 | 63.1 |
| 1996 | 89,329 | 1,084,725 | 10.6 | 9.8 | 19.7 | 7.6 | 57.6 | 62.8 |
| 1997 | 94,034 | 1,127,021 | 10.3 | 9.8 | 20.2 | 7.6 | 56.2 | 61.6 |
| 1998 | 100,417 | 1,172,779 | 10.6 | 9.8 | 20.1 | 7.7 | 55.0 | 60.1 |
| 1999 | 104,144 | 1,220,130 | 10.8 | 9.8 | 20.0 | 7.8 | 53.5 | 58.8 |
| 2000 | 108,919 | 1,260,278 | 10.5 | 9.5 | 20.3 | 7.8 | 50.9 | 56.5 |
| 2001 | 111,277 | 1,276,320 | 10.6 | 9.4 | 20.5 | 7.9 | 49.4 | 55.1 |
| 2002 | 116,457 | 1,327,831 | 10.6 | 9.2 | 20.2 | 7.8 | 46.5 | 52.6 |
| 2003 | 124,571 | 1,406,324 | 10.1 | 8.9 | 19.7 | 7.6 | 41.8 | 47.7 |
| 2004 | 127,723 | 1,419,007 | 11.2 | 9.7 | 21.9 | 8.6 | 45.2 | 50.7 |

Source. College Board (2004a, 2004b) and Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c).

Table A-2
SAT I Performance, by Ethnicity, Texas and the United States, Class of 1987 Through Class of 2004

| Class | Ethnicity |  |  |  |  |  |  |  | All examinees |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American |  | Asian/ <br> Pacific Islander |  | Hispanic |  | White |  |  |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| Mean Verbal score |  |  |  |  |  |  |  |  |  |  |
| 1987 | 417 | 428 | 466 | 479 | 450 | 455 | 514 | 524 | 493 | 507 |
| 1988 | 423 | 429 | 475 | 482 | 452 | 455 | 515 | 522 | 494 | 505 |
| 1989 | 422 | 428 | 479 | 483 | 452 | 457 | 514 | 523 | 492 | 504 |
| 1990 | 424 | 428 | 482 | 483 | 451 | 454 | 513 | 519 | 490 | 500 |
| 1991 | 421 | 427 | 486 | 485 | 448 | 452 | 512 | 518 | 488 | 499 |
| 1992 | 417 | 428 | 491 | 487 | 445 | 452 | 512 | 519 | 487 | 500 |
| 1993 | 420 | 429 | 495 | 489 | 449 | 453 | 516 | 520 | 490 | 500 |
| 1994 | 418 | 428 | 493 | 489 | 449 | 452 | 516 | 520 | 489 | 499 |
| 1995 | 427 | 432 | 499 | 492 | 455 | 457 | 521 | 525 | 495 | 504 |
| 1996 | 428 | 434 | 503 | 496 | 454 | 458 | 521 | 526 | 495 | 505 |
| 1997 | 426 | 434 | 502 | 496 | 452 | 457 | 521 | 526 | 494 | 505 |
| 1998 | 426 | 434 | 505 | 498 | 452 | 456 | 522 | 526 | 494 | 505 |
| 1999 | 427 | 434 | 507 | 498 | 452 | 457 | 522 | 527 | 494 | 505 |
| 2000 | 427 | 434 | 504 | 499 | 450 | 457 | 523 | 528 | 493 | 505 |
| 2001 | 425 | 433 | 506 | 501 | 448 | 455 | 523 | 529 | 493 | 506 |
| 2002 | 420 | 430 | 507 | 501 | 444 | 452 | 523 | 527 | 491 | 504 |
| 2003 | 423 | 431 | 509 | 508 | 444 | 453 | 525 | 529 | 493 | 507 |
| 2004 | 422 | 430 | 507 | 507 | 446 | 456 | 523 | 528 | 493 | 508 |
| Mean Mathematics score |  |  |  |  |  |  |  |  |  |  |
| 1987 | 404 | 411 | 532 | 541 | 451 | 453 | 502 | 514 | 486 | 501 |
| 1988 | 417 | 418 | 534 | 541 | 457 | 456 | 505 | 514 | 490 | 501 |
| 1989 | 419 | 421 | 535 | 545 | 458 | 459 | 507 | 515 | 490 | 502 |
| 1990 | 418 | 419 | 537 | 546 | 456 | 457 | 506 | 515 | 489 | 501 |
| 1991 | 421 | 419 | 542 | 548 | 456 | 457 | 510 | 513 | 491 | 500 |
| 1992 | 418 | 419 | 552 | 551 | 457 | 456 | 513 | 515 | 493 | 501 |
| 1993 | 425 | 421 | 557 | 553 | 462 | 457 | 518 | 517 | 498 | 503 |
| 1994 | 425 | 421 | 556 | 553 | 464 | 458 | 522 | 519 | 500 | 504 |
| 1995 | 426 | 422 | 562 | 555 | 462 | 460 | 522 | 521 | 501 | 506 |
| 1996 | 424 | 422 | 564 | 558 | 459 | 460 | 523 | 523 | 500 | 508 |

Source. College Board (2004a, 2004a) and Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c).
Note. Mean scores are based on the results of both public and private school students. Since the class of 1996, the College Board has reported scores on a recentered scale. The College Board adjusted all scores prior to 1996 to align with the recentered scale.

Table A-2 (continued)
SAT I Performance, by Ethnicity, Texas and the United States, Class of 1987 Through Class of 2004

| Class | Ethnicity |  |  |  |  |  |  |  | All examinees |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American |  | Asian/Pacific Islander |  | Hispanic |  | White |  |  |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| Mean Mathematics score cont'd. |  |  |  |  |  |  |  |  |  |  |
| 1997 | 422 | 423 | 566 | 560 | 459 | 460 | 525 | 526 | 501 | 511 |
| 1998 | 424 | 426 | 562 | 562 | 458 | 460 | 526 | 528 | 501 | 512 |
| 1999 | 420 | 422 | 563 | 560 | 454 | 458 | 525 | 528 | 499 | 511 |
| 2000 | 423 | 426 | 564 | 565 | 454 | 461 | 528 | 530 | 500 | 514 |
| 2001 | 421 | 426 | 565 | 566 | 452 | 460 | 528 | 531 | 499 | 514 |
| 2002 | 420 | 427 | 567 | 569 | 452 | 459 | 529 | 533 | 500 | 516 |
| 2003 | 418 | 426 | 565 | 575 | 450 | 459 | 529 | 534 | 500 | 519 |
| 2004 | 421 | 427 | 563 | 577 | 451 | 460 | 527 | 531 | 499 | 518 |
| Mean combined score |  |  |  |  |  |  |  |  |  |  |
| 1987 | 821 | 839 | 998 | 1020 | 901 | 908 | 1016 | 1038 | 979 | 1008 |
| 1988 | 840 | 847 | 1009 | 1023 | 909 | 910 | 1020 | 1036 | 984 | 1006 |
| 1989 | 841 | 849 | 1014 | 1028 | 910 | 919 | 1021 | 1038 | 982 | 1006 |
| 1990 | 842 | 847 | 1019 | 1029 | 906 | 911 | 1019 | 1034 | 979 | 1001 |
| 1991 | 842 | 846 | 1028 | 1033 | 904 | 909 | 1022 | 1031 | 979 | 999 |
| 1992 | 835 | 847 | 1043 | 1038 | 902 | 908 | 1025 | 1034 | 980 | 1001 |
| 1993 | 845 | 850 | 1052 | 1042 | 911 | 910 | 1034 | 1037 | 988 | 1003 |
| 1994 | 843 | 849 | 1049 | 1042 | 913 | 909 | 1038 | 1039 | 989 | 1003 |
| 1995 | 853 | 854 | 1061 | 1047 | 917 | 916 | 1043 | 1046 | 996 | 1010 |
| 1996 | 852 | 856 | 1067 | 1054 | 912 | 918 | 1044 | 1049 | 995 | 1013 |
| 1997 | 848 | 857 | 1068 | 1056 | 911 | 917 | 1046 | 1052 | 995 | 1016 |
| 1998 | 850 | 860 | 1067 | 1060 | 910 | 916 | 1048 | 1054 | 995 | 1017 |
| 1999 | 847 | 856 | 1070 | 1058 | 906 | 915 | 1047 | 1055 | 993 | 1016 |
| 2000 | 850 | 860 | 1068 | 1064 | 904 | 918 | 1051 | 1058 | 993 | 1019 |
| 2001 | 846 | 859 | 1071 | 1067 | 900 | 915 | 1051 | 1060 | 992 | 1020 |
| 2002 | 840 | 857 | 1074 | 1070 | 896 | 911 | 1052 | 1060 | 991 | 1020 |
| 2003 | 841 | 857 | 1074 | 1083 | 894 | 912 | 1054 | 1063 | 993 | 1026 |
| 2004 | 843 | 857 | 1070 | 1084 | 897 | 916 | 1050 | 1059 | 992 | 1026 |

Source. College Board (2004a, 2004b) and Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004b).
Note. Mean scores are based on the results of both public and private school students. Since the class of 1996, the College Board has reported scores on a recentered scale. The College Board adjusted all scores prior to 1996 to align with the recentered scale.

Table A-3
ACT Examinee Population, by Ethnicity, Texas and the United States, Class of 1987 Through Class of 2004

| Class | Examinees |  | Ethnicity (\%) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | African American |  | Hispanic |  | White |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| 1987 | 41,121 | 777,424 | 6.7 | 7.9 | 18.2 | 3.2 | 65.1 | 78.6 |
| 1988 | 46,288 | 842,322 | 7.7 | 8.3 | 18.5 | 3.4 | 63.7 | 77.3 |
| 1989 | 51,609 | 855,171 | 7.5 | 8.7 | 19.9 | 3.8 | 61.9 | 77.3 |
| 1990 | 49,047 | 817,096 | 7.9 | 8.7 | 20.9 | 4.1 | 58.9 | 74.1 |
| 1991 | 50,236 | 796,983 | 8.4 | 9.1 | 21.8 | 4.4 | 57.9 | 73.8 |
| 1992 | 53,201 | 832,217 | 8.5 | 9.1 | 22.9 | 4.7 | 57.0 | 72.6 |
| 1993 | 54,115 | 875,603 | 8.1 | 9.2 | 22.1 | 4.8 | 57.0 | 71.4 |
| 1994 | 56,735 | 891,714 | 8.5 | 9.2 | 22.0 | 5.0 | 55.7 | 69.9 |
| 1995 | 59,857 | 945,369 | 9.4 | 9.4 | 22.0 | 5.1 | 55.1 | 68.8 |
| 1996 | 55,442 | 924,663 | 9.4 | 9.5 | 21.7 | 5.1 | 55.5 | 70.8 |
| 1997 | 58,395 | 959,301 | 9.5 | 9.4 | 21.6 | 5.0 | 53.7 | 69.2 |
| 1998 | 64,064 | 995,039 | 10.1 | 10.1 | 22.4 | 5.2 | 55.7 | 71.1 |
| 1999 | 65,094 | 1,019,053 | 10.6 | 10.2 | 21.7 | 5.2 | 56.9 | 71.8 |
| 2000 | 68,010 | 1,065,138 | 10.9 | 10.4 | 22.6 | 5.4 | 55.8 | 71.5 |
| 2001 | 68,967 | 1,069,772 | 11.3 | 10.6 | 22.8 | 5.6 | 55.0 | 71.4 |
| 2002 | 67,842 | 1,116,082 | 12.2 | 10.8 | 23.4 | 6.0 | 53.5 | 69.3 |
| 2003 | 73,145 | 1,175,059 | 12.7 | 11.0 | 23.9 | 6.4 | 52.3 | 68.5 |
| 2004 | 71,696 | 1,171,460 | 12.7 | 11.3 | 24.5 | 6.7 | 50.2 | 67.3 |

Source. ACT, Inc. (2004a, 2004b) and Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c).

Table A-4
ACT Performance, by Ethnicity, Texas and the United States, Class of 1987 Through Class of 2004

| Class | Ethnicity |  |  |  |  |  |  |  | All examinees |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American |  | Asian/ Pacific Islander |  | Hispanic |  | White |  |  |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| Mean English score |  |  |  |  |  |  |  |  |  |  |
| 1991 | 16.7 | 16.7 | 20.3 | 20.6 | 17.5 | 18.1 | 21.1 | 21.0 | 19.7 | 20.3 |
| 1992 | 16.8 | 16.6 | 20.6 | 20.5 | 17.4 | 18.0 | 21.0 | 20.9 | 19.6 | 20.2 |
| 1993 | 16.7 | 16.6 | 20.2 | 20.4 | 17.4 | 18.0 | 21.1 | 21.0 | 19.7 | 20.3 |
| 1994 | 16.5 | 16.4 | 20.4 | 20.4 | 17.2 | 17.8 | 21.2 | 21.0 | 19.7 | 20.3 |
| 1995 | 16.5 | 16.4 | 20.1 | 20.2 | 17.1 | 17.7 | 21.0 | 21.0 | 19.5 | 20.2 |
| 1996 | 16.4 | 16.4 | 20.2 | 20.3 | 17.0 | 17.9 | 21.1 | 21.1 | 19.5 | 20.3 |
| 1997 | 16.2 | 16.4 | 20.2 | 20.4 | 17.0 | 18.0 | 20.9 | 21.2 | 19.4 | 20.3 |
| 1998 | 16.4 | 16.4 | 20.4 | 20.5 | 17.1 | 17.9 | 20.9 | 21.2 | 19.5 | 20.4 |
| 1999 | 16.5 | 16.4 | 20.6 | 20.5 | 17.2 | 17.9 | 21.1 | 21.3 | 19.7 | 20.5 |
| 2000 | 16.4 | 16.4 | 20.3 | 20.5 | 17.2 | 17.9 | 21.2 | 21.3 | 19.7 | 20.5 |
| 2001 | 16.2 | 16.2 | 20.9 | 20.7 | 17.0 | 17.8 | 21.2 | 21.3 | 19.6 | 20.5 |
| 2002 | 16.2 | 16.2 | 20.5 | 20.5 | 16.6 | 17.4 | 21.1 | 21.2 | 19.3 | 20.2 |
| 2003 | 15.9 | 16.2 | 20.9 | 20.7 | 16.7 | 17.5 | 21.2 | 21.3 | 19.3 | 20.3 |
| 2004 | 16.1 | 16.3 | 21.2 | 21.0 | 16.7 | 17.5 | 21.4 | 21.4 | 19.4 | 20.4 |
| Mean Mathematics score |  |  |  |  |  |  |  |  |  |  |
| 1991 | 17.0 | 16.8 | 23.1 | 22.9 | 18.1 | 18.6 | 20.2 | 20.4 | 19.5 | 20.0 |
| 1992 | 17.2 | 16.9 | 23.6 | 23.0 | 18.3 | 18.7 | 20.3 | 20.4 | 19.6 | 20.0 |
| 1993 | 17.4 | 16.9 | 23.3 | 23.0 | 18.5 | 18.7 | 20.7 | 20.5 | 19.9 | 20.1 |
| 1994 | 17.3 | 16.8 | 23.3 | 23.0 | 18.4 | 18.6 | 20.8 | 20.6 | 19.9 | 20.2 |
| 1995 | 17.5 | 16.8 | 23.6 | 22.8 | 18.5 | 18.6 | 20.8 | 20.7 | 20.0 | 20.2 |
| 1996 | 17.3 | 16.8 | 23.4 | 22.9 | 18.3 | 18.7 | 20.8 | 20.8 | 19.9 | 20.2 |
| 1997 | 17.4 | 16.9 | 23.9 | 23.3 | 18.5 | 19.0 | 21.1 | 21.2 | 20.2 | 20.6 |
| 1998 | 17.2 | 16.9 | 23.7 | 23.4 | 18.3 | 19.0 | 21.2 | 21.4 | 20.2 | 20.8 |
| 1999 | 17.4 | 16.9 | 23.5 | 23.1 | 18.4 | 19.0 | 21.2 | 21.3 | 20.2 | 20.7 |
| 2000 | 17.3 | 16.8 | 23.5 | 23.2 | 18.4 | 18.9 | 21.4 | 21.3 | 20.2 | 20.7 |
| 2001 | 17.2 | 16.8 | 23.8 | 23.1 | 18.3 | 18.9 | 21.4 | 21.3 | 20.2 | 20.7 |
| 2002 | 17.1 | 16.7 | 23.5 | 22.9 | 18.1 | 18.6 | 21.4 | 21.3 | 20.1 | 20.6 |
| 2003 | 16.8 | 16.7 | 23.6 | 22.9 | 18.0 | 18.5 | 21.4 | 21.3 | 20.0 | 20.6 |
| 2004 | 17.2 | 16.9 | 23.8 | 23.0 | 18.3 | 18.6 | 21.7 | 21.4 | 20.3 | 20.7 |

Source. ACT, Inc. (2004a, 2004b) and Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c).
Note. Mean scores are based on the results of both public and private school students. Since the class of 1991, ACT has reported scores on the Enhanced ACT score scale. ACT adjusted Composite scores prior to 1991 to align with the Enhanced scale.

Table A-4 (continued)
ACT Performance, by Ethnicity, Texas and the United States, Class of 1987 Through Class of 2004

| Class | Ethnicity |  |  |  |  |  |  |  | All examinees |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American |  | Asian/ Pacific Islander |  | Hispanic |  | White |  |  |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| Mean Reading score |  |  |  |  |  |  |  |  |  |  |
| 1991 | 17.0 | 17.0 | 21.2 | 21.4 | 17.8 | 18.9 | 21.7 | 22.0 | 20.2 | 21.2 |
| 1992 | 16.8 | 16.9 | 21.1 | 21.2 | 17.7 | 18.8 | 21.6 | 21.9 | 20.1 | 21.1 |
| 1993 | 17.0 | 17.0 | 20.9 | 21.4 | 18.0 | 18.8 | 21.8 | 22.0 | 20.3 | 21.2 |
| 1994 | 17.0 | 17.1 | 21.2 | 21.4 | 17.8 | 18.9 | 21.9 | 22.0 | 20.3 | 21.2 |
| 1995 | 17.1 | 17.1 | 21.2 | 21.3 | 18.0 | 18.8 | 21.8 | 22.1 | 20.3 | 21.3 |
| 1996 | 17.2 | 17.1 | 21.3 | 21.3 | 18.0 | 19.1 | 21.9 | 22.2 | 20.4 | 21.3 |
| 1997 | 16.9 | 17.1 | 21.2 | 21.2 | 17.9 | 19.0 | 21.8 | 22.2 | 20.3 | 21.3 |
| 1998 | 17.4 | 17.2 | 21.3 | 21.3 | 18.1 | 19.1 | 22.0 | 22.1 | 20.6 | 21.4 |
| 1999 | 17.3 | 17.1 | 21.4 | 21.2 | 18.3 | 19.1 | 22.0 | 22.1 | 20.6 | 21.4 |
| 2000 | 17.1 | 17.0 | 21.3 | 21.3 | 18.2 | 19.1 | 22.2 | 22.2 | 20.6 | 21.4 |
| 2001 | 17.0 | 16.9 | 21.5 | 21.1 | 18.0 | 18.9 | 22.0 | 22.2 | 20.5 | 21.3 |
| 2002 | 16.8 | 16.8 | 21.4 | 21.2 | 17.8 | 18.6 | 22.0 | 22.1 | 20.3 | 21.1 |
| 2003 | 16.8 | 17.0 | 21.7 | 21.3 | 18.0 | 18.8 | 22.0 | 22.2 | 20.3 | 21.2 |
| 2004 | 17.1 | 17.1 | 21.9 | 21.5 | 18.0 | 18.7 | 22.3 | 22.3 | 20.5 | 21.3 |
| Mean Science score |  |  |  |  |  |  |  |  |  |  |
| 1991 | 17.2 | 17.2 | 20.9 | 21.1 | 18.0 | 18.8 | 20.9 | 21.3 | 19.8 | 20.7 |
| 1992 | 17.3 | 17.2 | 21.0 | 21.2 | 18.1 | 18.8 | 21.0 | 21.3 | 19.9 | 20.7 |
| 1993 | 17.5 | 17.3 | 21.3 | 21.4 | 18.3 | 19.0 | 21.3 | 21.4 | 20.2 | 20.8 |
| 1994 | 17.4 | 17.4 | 21.3 | 21.5 | 18.3 | 19.0 | 21.3 | 21.6 | 20.2 | 20.9 |
| 1995 | 17.5 | 17.4 | 21.5 | 21.5 | 18.4 | 19.0 | 21.4 | 21.6 | 20.2 | 21.0 |
| 1996 | 17.4 | 17.3 | 21.5 | 21.5 | 18.4 | 19.1 | 21.5 | 21.8 | 20.3 | 21.1 |
| 1997 | 17.5 | 17.4 | 21.6 | 21.6 | 18.4 | 19.1 | 21.4 | 21.8 | 20.3 | 21.1 |
| 1998 | 17.5 | 17.3 | 21.5 | 21.6 | 18.5 | 19.1 | 21.5 | 21.8 | 20.3 | 21.1 |
| 1999 | 17.6 | 17.3 | 21.6 | 21.3 | 18.5 | 19.1 | 21.5 | 21.7 | 20.4 | 21.0 |
| 2000 | 17.4 | 17.3 | 21.5 | 21.5 | 18.5 | 19.1 | 21.5 | 21.7 | 20.3 | 21.0 |
| 2001 | 17.4 | 17.2 | 21.9 | 21.5 | 18.5 | 19.0 | 21.6 | 21.8 | 20.3 | 21.0 |
| 2002 | 17.4 | 17.1 | 21.5 | 21.3 | 18.3 | 18.6 | 21.5 | 21.6 | 20.1 | 20.8 |
| 2003 | 17.2 | 17.2 | 21.8 | 21.5 | 18.4 | 18.7 | 21.5 | 21.6 | 20.1 | 20.8 |
| 2004 | 17.6 | 17.4 | 22.0 | 21.7 | 18.4 | 18.7 | 21.6 | 21.6 | 20.2 | 20.9 |

Source. ACT, Inc. (2004a, 2004b) and Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c).
Note. Mean scores are based on the results of both public and private school students. Since the class of 1991, ACT has reported scores on the Enhanced ACT score scale. ACT adjusted Composite scores prior to 1991 to align with the Enhanced scale.

Table A-4 (continued)
ACT Performance, by Ethnicity, Texas and the United States, Class of 1987 Through Class of 2004

| Class | Ethnicity |  |  |  |  |  |  |  | All examinees |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | African American |  | Asian/ Pacific Islander |  | Hispanic |  | White |  |  |  |
|  | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. | Texas | U.S. |
| Mean Composite score |  |  |  |  |  |  |  |  |  |  |
| 1987 | 16.1 | 16.5 | 21.3 | 21.7 | 17.3 | 18.4 | 20.7 | 21.4 | 19.6 | 20.8 |
| 1988 | 16.5 | 16.6 | 21.7 | 21.8 | 17.8 | 18.6 | 20.9 | 21.4 | 19.8 | 20.8 |
| 1989 | 16.6 | 16.6 | 21.7 | 21.9 | 17.7 | 18.5 | 21.0 | 21.3 | 19.8 | 20.6 |
| 1990 | 17.1 | 17.0 | 21.2 | 21.7 | 17.9 | 18.6 | 21.0 | 21.2 | 19.8 | 20.6 |
| 1991 | 17.1 | 17.0 | 21.5 | 21.6 | 18.0 | 18.7 | 21.1 | 21.3 | 19.9 | 20.6 |
| 1992 | 17.1 | 17.0 | 21.7 | 21.6 | 18.0 | 18.7 | 21.1 | 21.3 | 19.9 | 20.6 |
| 1993 | 17.2 | 17.1 | 21.5 | 21.7 | 18.2 | 18.8 | 21.3 | 21.4 | 20.1 | 20.7 |
| 1994 | 17.2 | 17.0 | 21.7 | 21.7 | 18.0 | 18.7 | 21.4 | 21.4 | 20.2 | 20.8 |
| 1995 | 17.3 | 17.1 | 21.7 | 21.6 | 18.1 | 18.6 | 21.4 | 21.5 | 20.1 | 20.8 |
| 1996 | 17.2 | 17.0 | 21.8 | 21.6 | 18.0 | 18.8 | 21.5 | 21.6 | 20.2 | 20.9 |
| 1997 | 17.1 | 17.1 | 21.8 | 21.7 | 18.1 | 18.9 | 21.4 | 21.7 | 20.2 | 21.0 |
| 1998 | 17.2 | 17.1 | 21.8 | 21.8 | 18.2 | 18.9 | 21.5 | 21.7 | 20.3 | 21.0 |
| 1999 | 17.3 | 17.1 | 21.9 | 21.7 | 18.3 | 18.9 | 21.6 | 21.7 | 20.3 | 21.0 |
| 2000 | 17.2 | 17.0 | 21.8 | 21.7 | 18.2 | 18.9 | 21.7 | 21.8 | 20.3 | 21.0 |
| 2001 | 17.1 | 16.9 | 22.2 | 21.7 | 18.1 | 18.8 | 21.7 | 21.8 | 20.3 | 21.0 |
| 2002 | 17.0 | 16.8 | 21.9 | 21.6 | 17.8 | 18.4 | 21.6 | 21.7 | 20.1 | 20.8 |
| 2003 | 16.8 | 16.9 | 22.1 | 21.8 | 17.9 | 18.5 | 21.7 | 21.7 | 20.1 | 20.8 |
| 2004 | 17.1 | 17.1 | 22.3 | 21.9 | 18.0 | 18.5 | 21.9 | 21.8 | 20.2 | 20.9 |

Source. ACT, Inc. (2004a, 2004b) and Texas Education Agency (1997, 1998, 1999, 2000, 2001, 2003a, 2004a, 2004c).
Note. Mean scores are based on the results of both public and private school students. Since the class of 1991, ACT has reported scores on the Enhanced ACT score scale. ACT adjusted Composite scores prior to 1991 to align with the Enhanced scale.

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Title VI, Civil Rights Act of 1964, the Modified Court Order, Civil Action 5281, Federal District Court, Eastern District of Texas, Tyler Division.

Reviews of local education agencies pertaining to compliance with Title VI Civil Rights Act of 1964 and with specific requirements of the Modified Court Order, Civil Action No. 5281, Federal District Court, Eastern District of Texas, Tyler Division are conducted periodically by staff representatives of the Texas Education Agency. These reviews cover at least the following policies and practices:

1. acceptance policies on student transfers from other school districts;
2. operation of school bus routes or runs on a nonsegregated basis;
3. nondiscrimination in extracurricular activities and the use of school facilities;
4. nondiscriminatory practices in the hiring, assigning, promoting, paying, demoting, reassigning, or dismissing of faculty and staff members who work with children;
5. enrollment and assignment of students without discrimination on the basis of race, color, or national origin;
6. nondiscriminatory practices relating to the use of a student's first language; and
7. evidence of published procedures for hearing complaints and grievances.

In addition to conducting reviews, the Texas Education Agency staff representatives check complaints of discrimination made by a citizen or citizens residing in a school district where it is alleged discriminatory practices have occurred or are occurring.

Where a violation of Title VI of the Civil Rights Act is found, the findings are reported to the Office for Civil Rights, U.S. Department of Education.

If there is a direct violation of the Court Order in Civil Action No. 5281 that cannot be cleared through negotiation, the sanctions required by the Court Order are applied.

Title VII, Civil Rights Act of 1964 as Amended by the Equal Employment Opportunity Act of 1972; Executive Orders 11246 and 11375; Equal Pay Act of 1964; Title IX, Education Amendments; Rehabilitation Act of 1973 as Amended; 1974 Amendments to the Wage-Hour Law Expanding the Age Discrimination in Employment Act of 1967; Vietnam Era Veterans Readjustment Assistance Act of 1972 as Amended; Immigration Reform and Control Act of 1986; Americans With Disabilities Act of 1990; and the Civil Rights Act of 1991.

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