

MEMORANDUM

November 28, 2016

TO: Board Members

FROM: Richard A. Carranza
Superintendent of Schools

SUBJECT: **ACT RESULTS: CLASS OF 2016**

CONTACT: Carla Stevens, Research and Accountability, (713) 556-6700

The ACT results for the graduating class of 2016 have been released by ACT, Inc. and are provided in this report along with historical ACT data. The ACT consists of four subject area tests and a composite score. The four subject area tests include: English, mathematics, reading, and science. In addition to subject scores, ACT has created College Readiness Benchmarks (CR), revised in 2013, that represent the minimum scores needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses. Scores on the ACT subject tests range from 1–36 and College Readiness Benchmarks are listed below:

ACT English CR Benchmark Score: 18

ACT Math CR Benchmark Score: 22

ACT Reading CR Benchmark Score: 22

ACT Science CR Benchmark Score: 23

ACT STEM CR Benchmark Score: 26—based on overall performance in mathematics and science

Key Findings:

- **More HISD high school students took the ACT in 2016 than in 2007.** The number of HISD ACT test-takers increased by 58 percent from 1,395 in 2007 to 2,199 in 2016. Similarly, state and national participation rates have steadily **increased** since 2007.
- **The average ACT composite score of 21.1 for the district reflects the highest score in ten years, and exceeds Texas and national averages.** Although the district's average mathematics scores dropped slightly from last year, the district not only **exceeded** state and national averages in mathematics, but also in reading and science.
- **HISD students from every race/ethnicity met or exceeded the state's and nation's average ACT composite.** The average ACT scores by subject **increased** over the past six years for all student groups; however, Asian and White students consistently score higher on the ACT than students identified as African American or Hispanic.
- **ACT performance varied greatly among campuses.** The percentage of students meeting all four CR benchmarks at most HISD high schools lagged behind the state and nation for the Class of 2016. However, 24 HISD high schools **maintained** or **increased** ACT composite scores in 2016 compared to 2015. Sixteen high schools **increased** the percentage of students meeting all four CR benchmarks. Eleven high schools with at least five testers did not have any students who met all four CR benchmarks in 2016.

Administrative Response

The district continues to promote awareness and information around the ACT, as reflected in the increase in the number of the district's students taking the exam. Although the district does not cover the costs associated with the ACT or administer it during the school day, students are encouraged to take the exam and the district helps eligible low-income students receive fee waivers. Houston ISD performance levels on the ACT are higher than the state and national averages, although the fact that only a fraction of the district's students take the exam does not allow the district to conclude whether the ACT is an overall better option than the SAT for our students. The College and Career Readiness division will be conducting an analysis of district students who take both the SAT and ACT to assess whether more students (particularly those from groups that traditionally have underperformed on the SAT) would benefit from taking the ACT. In the meantime, the district will continue to encourage more students to take the ACT in addition to the SAT, even if not administered during the school day.

Should you have any further questions, please contact Carla Stevens in Research and Accountability at 713-556-6700.



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Attachment

cc: Superintendent's Direct Reports
Chief School Officers
School Support Officers
High School Principals



RESEARCH

Educational Program Report

ACT RESULTS: CLASS OF 2016



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ACT RESULTS: CLASS OF 2016

Executive Summary

More HISD high school students took the ACT in 2016 than in 2007. The number of HISD ACT test-takers increased by 58 percent from 1,395 in 2007 to 2,199 in 2016. Similarly, state and national participation rates have steadily **increased** since 2007.

The average ACT composite score of 21.1 for the district reflects the highest score in ten years, and exceeds Texas and national averages. Although the district's average mathematics scores dropped slightly from last year, the district not only **exceeded** state and national averages in mathematics, but also in reading and science.

HISD students from every race/ethnicity met or exceeded the state's and nation's average ACT composite. The average ACT scores by subject increased over the past six years for all student groups; however, Asian and White students consistently score higher on the ACT than students identified as African American or Hispanic.

Twenty-nine percent of HISD students in the Class of 2016 met all four College Readiness (CR) benchmarks compared to thirty percent in 2015, reflecting a decrease of one percentage point. HISD had a higher percentage of students meeting all four CR benchmarks than did students at the national and state levels.

Greater percentages of HISD ACT test-takers from every race/ethnicity met college readiness benchmarks for math and science than did students at the national and state levels. African American, Asian, Hispanic, and White students **met** CR benchmarks for all four subject areas at greater percentages than did SIMILAR student groups at the state and national level.

ACT performance varied greatly among campuses. The percentage of students meeting all four CR benchmarks at most HISD high schools lagged behind the state and nation for the Class of 2016. However, 24 HISD high schools **maintained** or **increased** ACT composite scores in 2016 compared to 2015. Sixteen high schools **increased** the percentage of students meeting all four CR benchmarks. Eleven high schools with at least five testers did not have any students who met all four CR benchmarks in 2016.



Purpose

This report summarizes the Class of 2016 ACT participation and performance results. The ACT is a national college-admission exam, developed and administered by ACT, Inc. that assesses both the general education level of high school students and their readiness for college-level work. The report includes all test-takers who self-reported that they would be graduating in 2016.

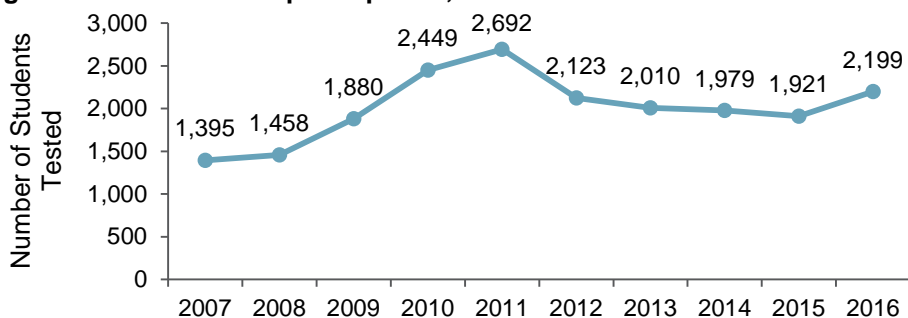
The ACT consists of four subject area tests and a composite score. The four subject area tests include: English, mathematics, reading, and science. In addition to subject scores, ACT has created College Readiness Benchmarks (CR), revised in 2013, that represent the minimum scores needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses. Scores on the ACT subject tests range from 1–36 and College Readiness Benchmarks are listed below:

ACT English CR Benchmark Score: 18
 ACT Math CR Benchmark Score: 22
 ACT Reading CR Benchmark Score: 22
 ACT Science CR Benchmark Score: 23
 ACT STEM CR Benchmark Score: 26—based on overall performance in mathematics and science

How many graduating seniors participate in the ACT?

Although HISD students' participation in the ACT has **decreased** from 2011, overall participation has **increased** by 58 percent from 1,395 in 2007 to 2,199 in 2016 (**Figure 1**). Participation has also increased over the prior year (2015). National and state participation rates have steadily **increased** since 2007 (**Figure 2 and Table 1, p. 10**).

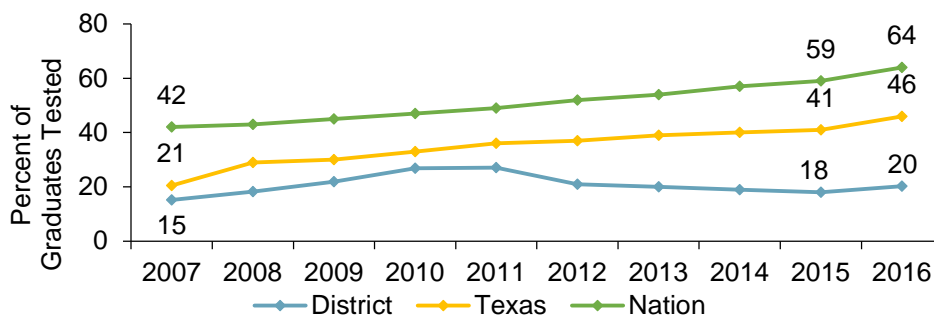
Figure 1. HISD ACT test participation, Classes of 2007–2016



Source: College-Bound Assessment Reports, 2012–2013 and 2013–2014; ACT, 2015 and 2016 data file; Note: Self-reported as Class of 2016.

Figure 2A. ACT participation rates of graduates, Classes of 2007–2016, District, Texas, and Nation

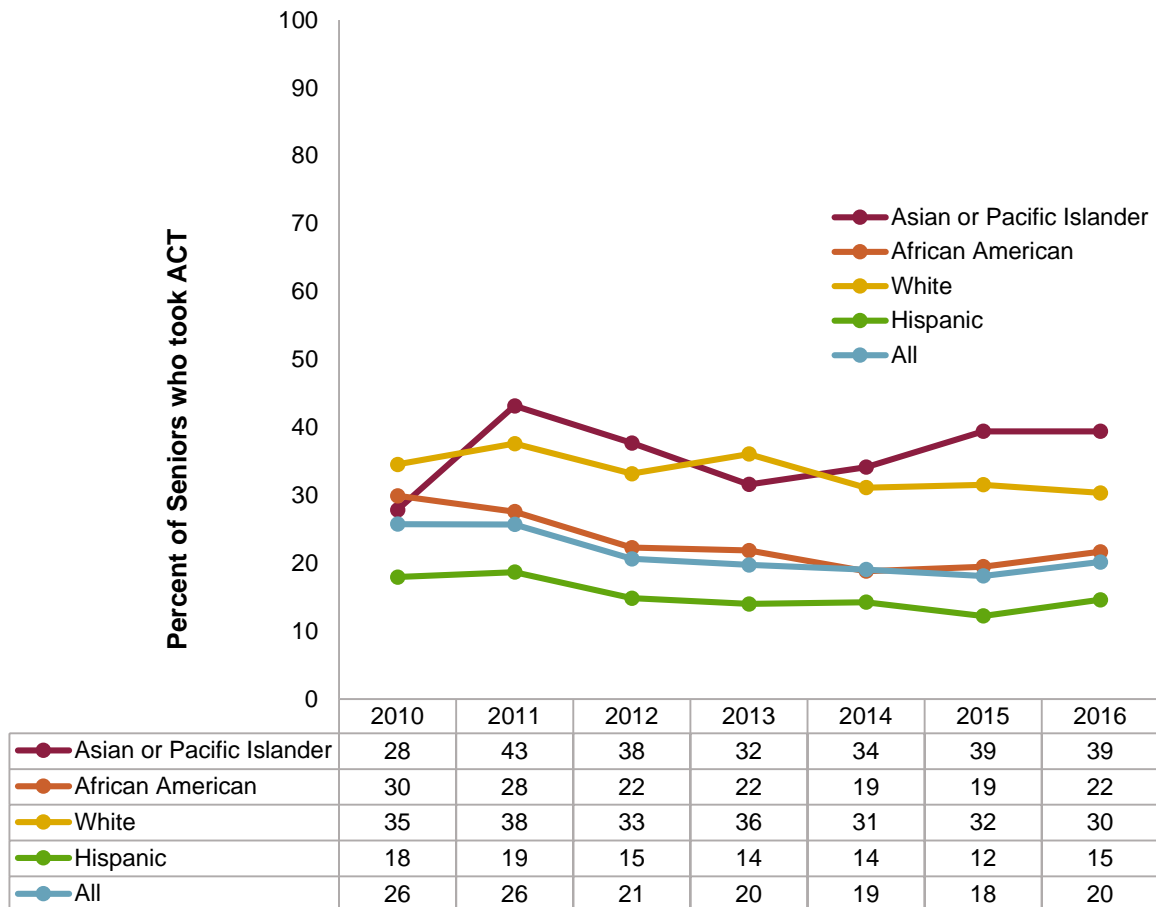
AT HISD, OUR GOAL IS FOR EVERY STUDENT TO GRADUATE READY FOR THE WORLD.



Source: College-Bound Assessment Reports, 2006–2007 to 2013–2014; the Condition of College & Career Readiness 2015 and 2016 National and Texas ACT Report; Texas ACT Reports, 2015 and 2016; Note: Self-reported as Class of 2016.

Figure 2B shows the ACT participation rate of HISD students for all students and by student group. Participation rates for each group were determined by dividing the number of students who took the ACT by the number of seniors within each respective year. **Table 4A** (p. 11) shows the number of HISD ACT participants for all students and by student group.

Figure 2B. ACT Participation Rate by Student Group, Classes of 2010–2016



Source: ACT District Profile Report, 2016;
HISD Research and Accountability, ACT Memo, 2011 to 2014

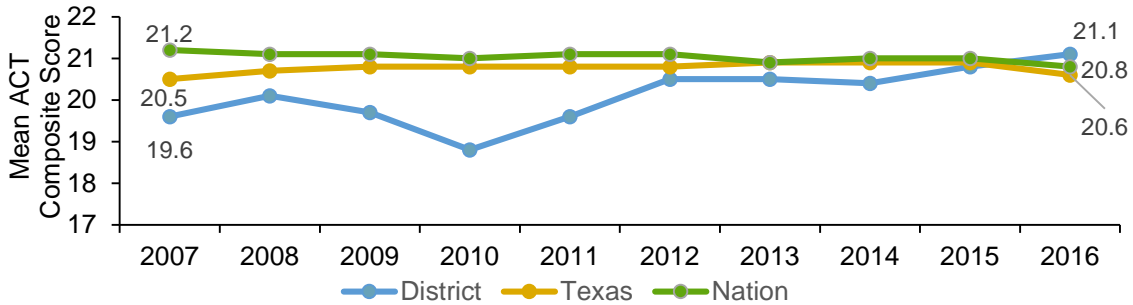
Figure 2B above indicates the following:

- Between 2010 and 2016, the proportion of seniors who took the ACT has declined for all students and all student groups, with the exception of Asian or Pacific Islanders. African American and White students have experienced the greatest **declines** in the proportion of seniors who have taken the ACT by 8 and 5 points, respectively.
- When comparing the results of all students who took the ACT, about one in four took the ACT in 2010 compared to 1 in 5 in 2016.

How well did HISD students perform on the ACT?

The average ACT composite score of 21.1 for the district reflects the highest score since 2007, and **exceeds** Texas and national averages (**Figure 3 and Table 2, p. 10**). The district's average ACT score in each subject area continued to **increase** since 2011 and **exceeded** Texas and national averages in mathematics, reading, and science (**Figures 4A–4D and Tables 3A–3D, p. 10**). Increases over 2015 performance were seen in HISD for English and reading scores, while state and national data showed no annual increase.

Figure 3. Average ACT composite scores of graduates, HISD, Texas, and Nation: 2007–2016



Source: College-Bound Assessment Reports, 2011-2012 and 2013-2014; ACT State Profile Report Graduating Class 2011 and 2016; ACT data files, 2015 and 2016

Figures 4A–4D. Average ACT subject scores of graduates, District, Texas, and Nation: 2011–2016

Figure 4A. ACT English

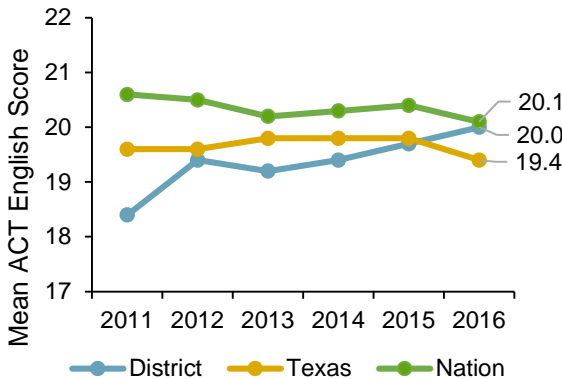


Figure 4B. ACT Math

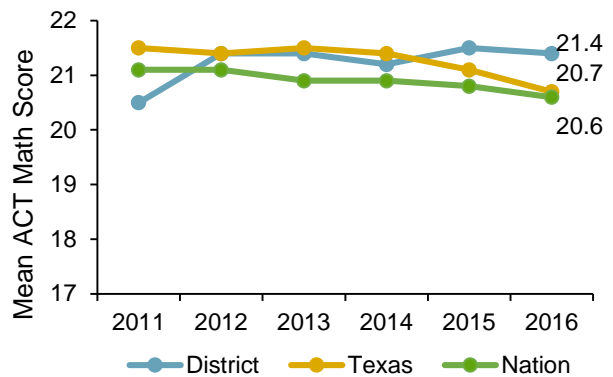


Figure 4C. ACT Reading

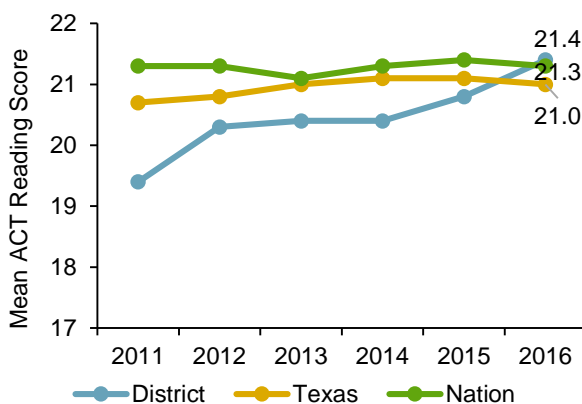
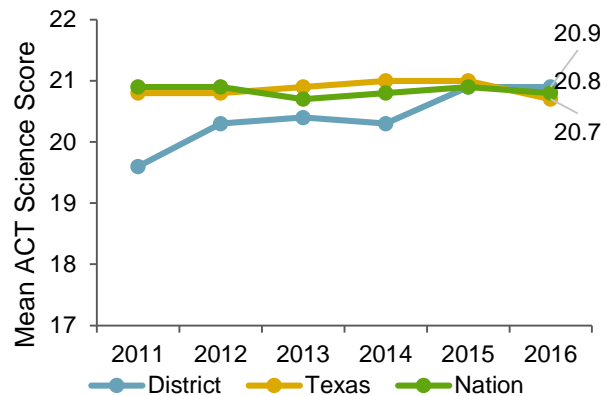


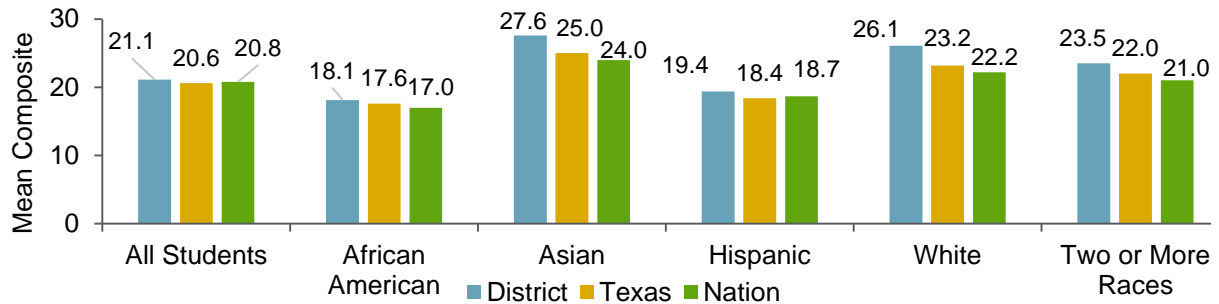
Figure 4D. ACT Science



Source: College-Bound Assessment Reports, 2011-2012 and 2013-2014; ACT State Profile Report Graduating Class 2015 and 2016; ACT data files, 2015 and 2016

In 2015–2016, HISD ACT test-takers from every race/ethnicity **met or exceeded** the state’s and nation’s average ACT composite score (**Figure 5**). Moreover, the district’s composite score for *All Students* **exceeded** the composite scores for the state and the nation.

Figure 5. Class of 2016 average ACT composite score by student race/ethnicity, District, Texas, and Nation



Source: ACT District Profile Report, 2016; ACT National Profile Report, 2016

Although average ACT scores by subject **increased** over the past six years for all student groups, Asian and White students consistently score higher on the ACT than African American or Hispanic students (**Figures 6A–6D and Tables 4A–4E, p. 11**). Annual increases from 2015 to 2016 were seen for Asian and Hispanic students in all four content areas.

Figures 6A–6D. Average ACT Scores by Subject and Race/Ethnicity, Classes of 2011–2016

Figure 6A. ACT English

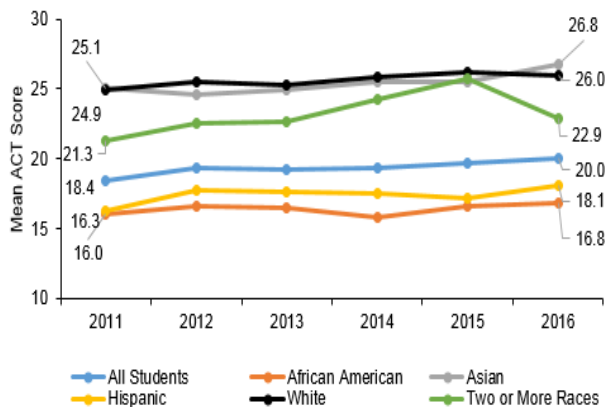


Figure 6B. ACT Math

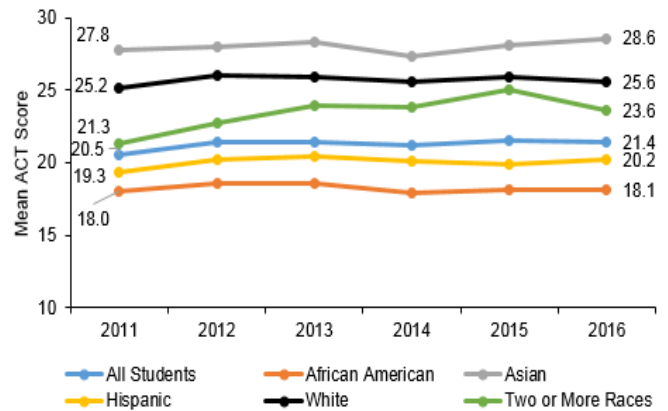


Figure 6C. ACT Reading

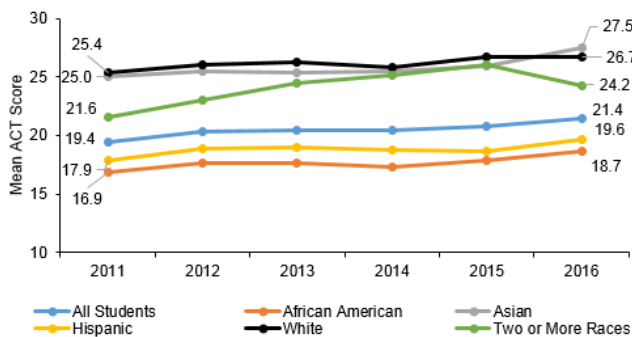
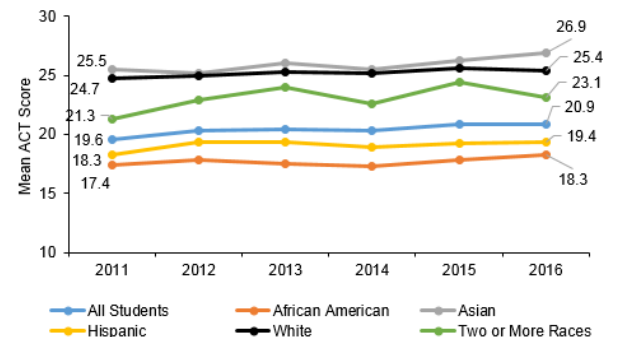


Figure 6D. ACT Science



Source: ACT District Profile Report, 2013–2016; College Bound Assessment Reports, 2010–2011; ACT Test Results: Class of 2011 & 2012 Memoranda; ACT data file, 2016

Note: Scores are not reported for races with less than 5 students.

What percentage of HISD students met College Readiness Benchmarks on the ACT?

Twenty-nine percent of the HISD students in the Class of 2016 **met** all four College Readiness (CR) benchmarks compared to 30 percent in 2015, reflecting a **decrease** of one percentage point (**Figures 7A and 7B**) and **exceeded** the state and national percentages. The majority of HISD students **met or exceeded** the English Benchmark for CR (57 percent), but a smaller proportion of HISD students **met or exceeded** the CR benchmarks for mathematics (45 percent), reading (45 percent), or science (35 percent). African American, Asian, Hispanic, and White students met CR benchmarks for all four subject areas at greater percentages than did their counterparts at the state and national level and greater percentages of HISD ACT test-takers from African American, Asian, Hispanic, White, and Two or more races, met or exceeded college readiness benchmarks for math and science than did students at the state and national levels (**Figures 8A–8D and Tables 5A–5D, p. 12**). HISD students met CR benchmarks for STEM at **greater** percentages than their state and national counterparts (**Figure 9**).

Figures 7A and 7B. Percentage of college ready students in all four ACT subject areas, Classes of 2015 and 2016, District, Texas, and Nation

Figure 7A. Class of 2015

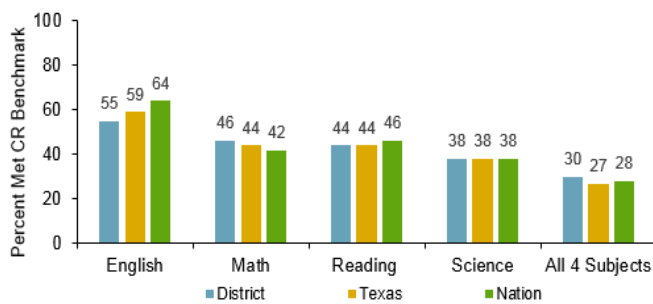
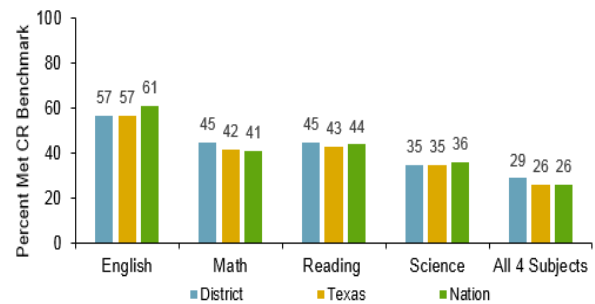


Figure 7B. Class of 2016



Source: ACT Texas Profile Report, 2015 and 2016; ACT data file, 2015 and 2016

Note: ACT College Readiness Benchmarks are 18 in English, 22 in Math, 22 in Reading, and 23 in Science.

Figures 8A–8D. Percentage of the Class of 2016 who were college ready by subject and race/ethnicity

Figure 8A. ACT English Percent Met CR Benchmark

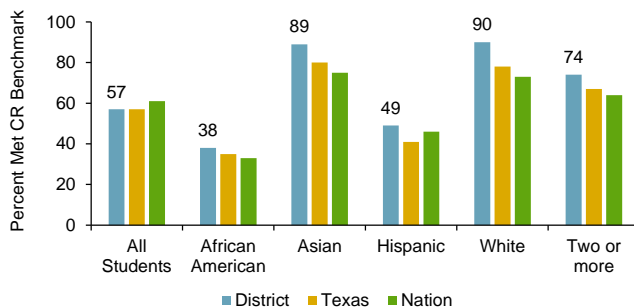


Figure 8B. ACT Math Percent Met CR Benchmark

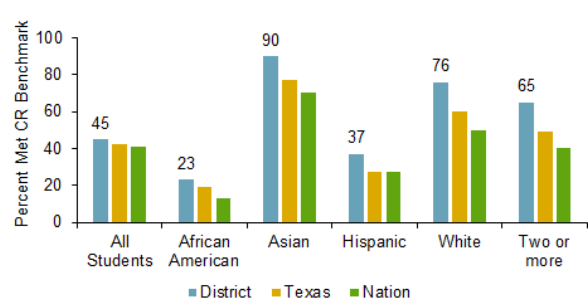


Figure 8C. ACT Reading Percent Met CR Benchmark

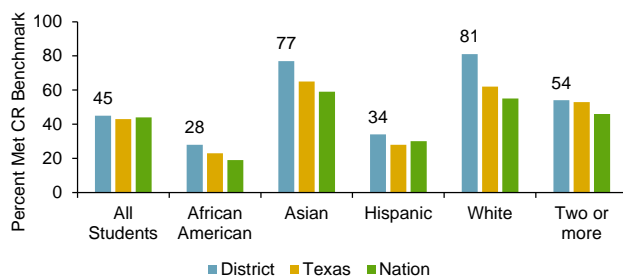
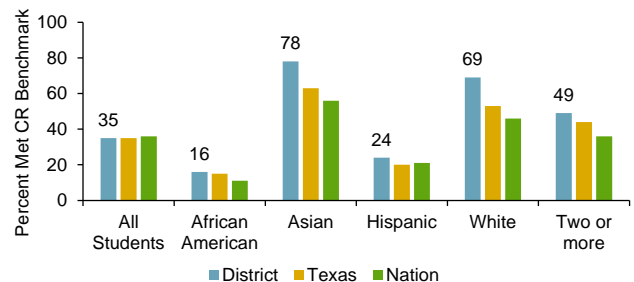


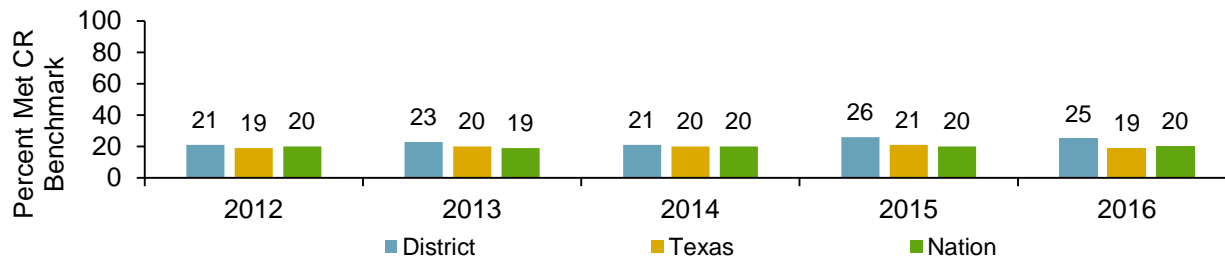
Figure 8D. ACT Science Percent Met CR Benchmark



Source: ACT Texas Profile Report, 2016; ACT District Profile Report, 2016

Note: ACT College Readiness Benchmarks are 18 in English, 22 in Math, 22 in Reading, and 23 in Science. Scores are not reported for races with less than 5 students.

Figure 9. Percent of 2012–2016 Graduates Meeting ACT College Readiness Benchmarks for Science, Technology, Engineering, and Mathematics, (STEM), District, Texas, and Nation



Source: ACT State Profile Report, 2016; ACT data file, 2016

Note: The ACT STEM College Readiness Benchmark is 26.

How did ACT performance compare for 2016 graduates of HISD high schools?

The percentage of students meeting College Readiness (CR) Benchmarks at most HISD high schools lagged behind the state and the nation for the Class of 2016 (Figure 10). However, eight campuses exceeded state and national CR performance for all four benchmarks. Eleven campuses and ten campuses exceeded the average ACT composite score for the state and nation, respectively. The ACT composite scores in 2016 maintained or improved at 24 campuses while 14 campuses showed a decline compared to 2015.

Figure 10. Comparison of ACT Composite and College Readiness Benchmarks by Subject, Class of 2015 and 2016
Ranked by ACT Composite Score for Class of 2016

Campus	# Tested	Composite	Percent Met College Readiness Benchmark (CR)					Change from Class of 2015	
			English	Math	Read	Science	Met All 4	Composite	% Met 4
Carnegie HS	130	29.1	100.0	95.4	93.1	86.2	84.6	-0.6	-4.2
DeBaKey HS	88	28.6	100.0	96.6	88.6	89.8	85.2	0.0	3.2
HS Perf. Vis. Arts	62	26.0	96.8	82.3	83.9	61.3	56.5	1.3	4.9
Bellaire HS	312	24.7	80.8	67.3	67.6	56.1	48.4	0.2	-4.0
Lamar HS	237	23.2	75.9	57.4	62.9	53.2	41.8	0.7	3.9
Challenge EC	36	23.1	80.6	58.3	69.4	33.3	27.8	1.4	2.2
Eastwood Acad	32	23.1	81.3	75.0	65.6	59.4	50.0	2.1	33.3
Westside HS	202	22.0	66.8	56.4	53.5	41.6	34.7	0.1	-0.6
Tx Conn. Acad.	52	20.9	55.8	30.8	51.9	36.5	21.2	-1.5	-4.9
E-STEM Central HS	5	20.6	40.0	60.0	40.0	20.0	0.0	3.6	0.0
East EC HS	58	19.9	51.7	41.4	37.9	17.2	13.8	0.3	0.9
Hou Acad. Intl.	37	19.8	51.4	29.7	35.1	18.9	16.2	1.4	1.6
N. Houston ECHS	17	19.4	47.1	47.1	23.5	29.4	23.5	-0.8	11.0
Waltrip HS	36	19.2	47.2	36.1	22.2	16.7	11.1	2.3	2.8
YWCPA	26	19.2	46.2	26.9	38.5	11.5	3.8	2.0	-0.2
E-STEM West HS	34	19.0	47.1	38.2	35.3	20.6	11.8	--	--
Heights HS	37	18.9	54.1	24.3	40.5	24.3	10.8	0.4	-2.0
Sharpstown HS	23	18.7	30.4	39.1	26.1	17.4	13.0	1.8	10.4
Wisdom HS	26	18.5	42.3	30.8	19.2	19.2	11.5	0.2	2.8
Law Enf. CJHS	27	18.3	37.0	18.5	11.1	22.2	11.1	-0.1	-3.9
Sharpstown Intl	12	18.2	33.3	16.7	16.7	0.0	0.0	4.0	0.0
Mount Carmel Acad.	7	18.1	42.9	14.3	14.3	0.0	0.0	0.6	-9.1
Milby HS	33	18.1	36.4	24.2	24.2	15.2	12.1	1.1	0.4
Washington HS	39	17.9	35.9	25.6	23.1	10.3	10.3	-0.3	2.1
Jordan HS	27	17.9	25.9	25.9	25.9	14.8	7.4	1.1	-4.6
Scarborough HS	15	17.7	26.7	13.3	20.0	13.3	6.7	-0.9	-6.4
Chavez HS	139	17.2	35.3	21.6	15.1	7.2	4.3	-0.7	-5.1
Yates HS	35	17.1	25.7	14.3	14.3	8.6	5.7	3.0	5.7
Houston MSTC HS	32	16.6	21.9	15.6	9.4	9.4	0.0	-0.6	-8.3
Long Acad	42	16.4	21.4	14.3	14.3	4.8	4.8	--	--
Northside HS	28	16.2	21.4	17.9	10.7	7.1	3.6	-0.5	3.6
Victory Prep South	12	16.2	16.7	8.3	16.7	0.0	0.0	--	--
North Forest HS	15	15.8	26.7	6.7	13.3	13.3	0.0	0.0	0.0
Westbury HS	47	15.7	25.5	6.4	8.5	6.4	2.1	0.9	2.1
Wheatley HS	13	15.5	23.1	0.0	0.0	0.0	0.0	1.7	-1.2
Madison HS	74	15.4	14.9	6.8	8.1	5.4	1.4	0.6	-2.4
Austin HS	80	15.2	18.8	11.3	7.5	5.0	1.3	-1.4	-7.6
Furr HS	14	15.1	28.6	21.4	14.3	0.0	0.0	-0.6	-4.2
Sterling HS	20	14.4	5.0	0.0	5.0	0.0	0.0	-2.6	0.0
Worthing HS	12	12.7	0.0	0.0	0.0	0.0	0.0	-1.6	0.0
Kashmere HS	9	12.7	0.0	0.0	0.0	0.0	0.0	-1.2	0.0
Leland YMCPA	4	*	*	*	*	*	*	--	--
Liberty HS	3	*	*	*	*	*	*	*	*
Mid Coll - Gulfton	2	*	*	*	*	*	*	--	--
Jones HS	4	*	*	*	*	*	*	*	*
Reach HS	1	*	*	*	*	*	*	--	--
Victory Prep North	3	*	*	*	*	*	*	--	--
2016 HISD	2,199	21.1	57	45	45	35	29	0.3	-1.0
2016 Texas	142,877	20.6	57	42	43	35	26	-0	-1.0
2016 Nation	2,090,342	20.8	61	41	44	36	26	-0	-2.0

ACT Participation and Performance by Campus

24 HISD high schools maintained or increased ACT composite scores in 2016 compared to 2015.

16 HISD high schools increased the percentage of students meeting all four CR Benchmarks.

Eastwood Academy, North Houston EC, and Sharpstown high schools increased the percentage of students meeting all four CR Benchmarks by more than 10 percentage points.

11 HISD high schools with at least five testers did not have any students meet all four CR Benchmarks in 2016.

Note: A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses. ACT College Readiness Benchmarks are 18 in English, 22 in Math, 22 in Reading, and 23 in Science.

* Masked n < 5. - - denotes no data for Class of 2015.

Source: ACT data file, 2015 and 2016; ACT State Profile Report, 2016

Figure 11 shows the number of students tested and the average ACT scores by campus. Ten campuses exceeded the ACT average English, reading, and science composite scores for the state and the nation, while, twelve campuses exceeded the ACT average math composite scores for the state and nation. The number of students who took the ACT in 2016 **increased** by 278 students from 2015. There were **increases** in the number of students who tested at 29 campuses, **decreases** for 16 campuses, and **no change** for two campuses. **Appendix B** summarizes the average ACT scores and percent of students who met college readiness benchmarks by subject and trustee district for 2016.

Figure 11. Comparison of Average ACT scores by subject, Class of 2015 and 2016

Campus	Number Tested and Average ACT Scores by Campus, Classes of 2015 and 2016												Change from Class of 2015	
	N Tested		English		Mathematics		Reading		Science		Composite		Number Tested	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
Austin HS	45	80	14.4	13.4	17.9	16.6	16.4	14.9	17.6	15.7	16.7	15.2		35
Bellaire HS	233	312	24.1	24.3	24.9	25.0	24.5	25.0	24.1	24.0	24.5	24.7		79
Carnegie HS	107	130	29.3	29.0	29.5	29.0	30.1	29.7	29.1	27.9	29.6	29.1		23
Challenge EC	47	36	20.8	21.6	22.3	22.9	21.7	24.9	21.6	22.5	21.7	23.1		-11
Chavez HS	148	139	16.2	16.0	19.1	18.0	17.6	17.0	18.2	17.4	17.9	17.2		-9
DeBaKey HS	106	88	28.1	27.7	29.7	29.6	28.2	28.4	27.8	28.3	28.5	28.6		-18
East ECHS	70	58	17.6	18.8	21.5	20.5	19.3	20.2	20.1	19.8	19.7	19.9		-12
Eastwood Acad	18	32	20.0	22.0	21.8	24.3	20.6	22.6	20.4	22.6	20.9	23.1		14
E-STEM Central HS	1	5	*	18.8	*	20.2	*	23.6	*	20.4	*	20.6		4
E-STEM West HS	0	34		17.5		19.9		19.6		18.5		19.0		34
Furr HS	24	14	14.5	14.5	17.0	15.9	15.5	15.2	15.6	14.7	15.7	15.1		-10
Heights HS	39	37	16.7	18.6	18.9	18.8	18.2	19.0	19.6	18.8	18.6	18.9		-2
Hou Acad. Intl.	48	37	16.8	18.9	18.8	19.3	19.2	20.6	18.8	20.1	18.5	19.8		-11
Houston MSTC HS	12	32	15.5	14.5	18.5	17.8	15.5	15.8	19.0	17.7	17.2	16.6		20
HS Perf. Vis. Arts	64	62	25.5	27.0	23.7	25.2	25.5	26.9	23.6	24.8	24.7	26.0		-2
Jones HS	3	4	*	*	*	*	*	*	*	*	*	*		1
Jordan HS	25	27	14.9	16.3	18.7	18.5	16.6	18.4	16.6	17.6	16.8	17.9		2
Kashmere HS	27	9	11.8	10.2	14.8	13.1	13.4	13.6	15.4	13.4	13.9	12.7		-18
Lamar HS	269	237	21.7	22.6	22.4	22.8	22.8	23.8	22.4	22.9	22.5	23.2		-32
Law Enf. CJHS	20	27	18.3	17.0	18.2	18.0	17.6	18.4	19.2	19.0	18.4	18.3		7
Leland YMCPA	4	4	*	*	*	*	*	*	*	*	*	*		0
Liberty HS	1	3	*	*	*	*	*	*	*	*	*	*		2
Long Acad	0	42		13.9		17.9		16.7		16.8		16.4		42
Madison HS	27	74	13.3	13.7	15.7	15.6	13.9	15.5	16.1	16.1	14.8	15.4		47
Mid Coll - Gulfon	0	2		*		*		*		*		*		2
Milby HS	17	33	15.1	17.1	18.7	18.5	15.8	18.8	17.9	17.7	17.0	18.1		16
Mount Carmel Acad.	11	7	16.3	18.0	18.2	18.0	17.4	18.1	17.9	17.7	17.5	18.1		-4
N. Houston ECHS	8	17	20.6	17.9	19.9	20.8	19.6	18.9	20.1	19.2	20.3	19.4		9
North Forest HS	9	15	14.3	13.9	15.3	16.1	17.0	16.5	15.3	16.3	15.8	15.8		6
Northside HS	33	28	15.5	14.5	17.8	17.2	16.9	16.0	16.2	16.4	16.7	16.2		-5
Reach HS	0	1		*		*		*		*		*		1
Scarborough HS	23	15	17.9	15.3	18.7	17.9	18.2	18.4	18.9	18.5	18.6	17.7		-8
Sharpstown HS	38	23	14.8	17.1	18.1	19.9	17.0	18.2	17.3	19.2	16.9	18.7		-15
Sharpstown Intl	8	12	12.5	17.1	16.3	18.8	12.9	18.4	14.0	18.2	14.1	18.2		4
Sterling HS	11	20	15.3	12.0	18.0	15.1	15.5	14.6	18.5	16.0	16.9	14.4		9
Tx Conn. Acad.	23	52	21.7	20.3	21.7	19.3	24.3	22.6	21.6	21.0	22.5	20.9		29
Victory Prep North	0	3		*		*		*		*		*		3
Victory Prep South	0	12		14.4		15.5		17.6		16.8		16.2		12
Waltrip HS	36	36	15.4	17.9	17.6	19.8	16.9	19.3	17.6	18.9	16.9	19.2		0
Washington HS	37	39	16.8	16.8	19.2	18.4	18.1	17.9	18.3	18.3	18.2	17.9		2
Westbury HS	23	47	12.9	14.2	15.7	15.7	14.6	16.0	15.7	16.3	14.8	15.7		24
Westside HS	142	202	20.7	20.6	22.4	22.8	22.6	22.6	21.6	21.9	22.0	22.0		60
Wheatley HS	84	13	11.6	14.2	15.3	15.3	13.2	15.0	14.8	16.6	13.8	15.5		-71
Wisdom HS	23	26	17.1	17.4	19.9	19.6	17.7	18.3	17.8	18.5	18.3	18.5		3
Worthing HS	16	12	11.4	9.8	15.9	13.8	13.1	12.0	16.2	14.3	14.3	12.7		-4
Yates HS	16	35	12.8	15.3	14.8	17.2	14.9	17.7	13.8	17.9	14.1	17.1		19
YWCPA	25	26	15.7	18.3	18.8	19.2	16.6	20.1	16.8	18.9	17.1	19.2		1
HISD Totals	1,921	2,199	19.7	20.0	21.5	21.4	20.8	21.4	20.9	20.9	20.8	21.1		278
Texas	124,764	142,877	19.8	19.4	21.1	20.7	21.1	21.0	21.0	20.7	20.9	20.6		18,113
Nation	1,924,436	2,090,342	20.4	20.1	20.8	20.6	21.4	21.3	20.9	20.8	21.0	20.8		165,906

Source: ACT data file, 2015 & 2016; ACT Texas Profile Report; Note: in 2015, four students who did not attend an HISD school were not included in this report.

*Scores not reported for less than 5 students.

Conclusion

To be successful in the 21st century, students will need to be college and career ready. From a holistic standpoint, this would mean possessing the following: crosscutting skills (i.e. critical thinking), behavioral skills (i.e. study skills, persistence), core academic skills (i.e. English language arts, mathematics, science), and education and career navigation skills (i.e. related to education and career paths) (ACT, 2015c, p. 6).

Based on the results of this report, the district has approximately 29 percent of ACT test-takers meeting all four CR benchmarks districtwide. When looking across the district at individual campuses, performance varies markedly, ranging from 0.0 percent to 85.2 percent of students who met all four college benchmarks. Districtwide performance gaps exist between racial/ethnic groups, where White and Asian students consistently earn higher average ACT scores than African American or Hispanic students. However, each of HISD's student groups performed as well as or better than their comparison group at the state and national levels.

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About This Report and ACT Data

ACT provides summary reports, campus letters, and data files on ACT participation and performance of “College-Bound” seniors to districts and schools. These reports and data files provide an array of self-reported information by the students when they take the ACT exam. To be included on the file, all test-takers self-reported that they would be graduating in 2016. All race/ethnicity data were extracted from the District, State, and National Profile Reports, 2016.

Appendix A

ACT Data Tables

Table 1. ACT Participation Rate of Graduates, Classes of 2007–2016, District, Texas, and Nation

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
District	15	18	22	27	27	21	20	19	18	20
Texas	21	29	30	33	36	37	39	40	41	46
Nation	42	43	45	47	49	52	54	57	59	64

Table 2. Average ACT Composite Score of Graduates, District, Texas, and Nation, 2007–2016

Composite	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
District	19.6	20.1	19.7	18.8	19.6	20.5	20.5	20.4	20.8	21.1
Texas	20.5	20.7	20.8	20.8	20.8	20.8	20.9	20.9	20.9	20.6
Nation	21.2	21.1	21.1	21.0	21.1	21.1	20.9	21.0	21.0	20.8

Table 3A. Average ACT English Scores of Graduates, District, Texas, and Nation, 2011–2016

	2011	2012	2013	2014	2015	2016
District	18.4	19.4	19.2	19.4	19.7	20.0
Texas	19.6	19.6	19.8	19.8	19.8	19.4
Nation	20.6	20.5	20.2	20.3	20.4	20.1

Table 3B. Average ACT Math Scores of Graduates, District, Texas, and Nation, 2011–2016

	2011	2012	2013	2014	2015	2016
District	20.5	21.4	21.4	21.2	21.5	21.4
Texas	21.5	21.4	21.5	21.4	21.1	20.7
Nation	21.1	21.1	20.9	20.9	20.8	20.6

Table 3C. Average ACT Reading Scores of Graduates, District, Texas, and Nation, 2011–2016

	2011	2012	2013	2014	2015	2016
District	19.4	20.3	20.4	20.4	20.8	21.4
Texas	20.7	20.8	21.0	21.1	21.1	21.0
Nation	21.3	21.3	21.1	21.3	21.4	21.3

Table 3D. Average ACT Science Scores of Graduates, District, Texas, and Nation, 2011–2016

	2011	2012	2013	2014	2015	2016
District	19.6	20.3	20.4	20.4	20.9	20.9
Texas	20.8	20.8	20.9	21.0	21.0	20.7
Nation	20.9	20.9	20.7	20.8	20.9	20.8

Sources: College-Bound Assessment Reports, 2012–2013 to 2013–2014; ACT data file, various years; ACT State and National Profile Reports, various years

Note: Self-reported as Class of 2016.

Appendix A (Continued)

ACT Data Tables

Table 4A. Number of HISD ACT Participants by Race/Ethnicity, 2011–2016						
	2011	2012	2013	2014	2015	2016
All Students	2,692	2,123	2,010	1,979	1,921	2,199
African American	880	649	601	504	511	583
Asian/Pacific Islander	193	172	135	151	198	179
Hispanic	1,067	865	839	878	774	947
White	392	329	331	317	329	353
Two or More Races	48	39	42	47	45	57

Table 4B. Average ACT English Scores by Race/Ethnicity, Classes of 2011–2016						
	2011	2012	2013	2014	2015	2016
All Students	18.4	19.4	19.2	19.4	19.7	20.0
African American	16.0	16.6	16.5	15.8	16.6	16.8
Asian	25.1	24.6	24.9	25.5	25.5	26.8
Hispanic	16.3	17.7	17.6	17.5	17.2	18.1
White	24.9	25.5	25.3	25.9	26.1	26.0
Two or More Races	21.3	22.5	22.7	24.3	25.8	22.9

Table 4C. Average ACT Math Scores by Race/Ethnicity, Classes of 2011–2016						
	2011	2012	2013	2014	2015	2016
All Students	20.5	21.4	21.4	21.2	21.5	21.4
African American	18.0	18.6	18.6	17.9	18.2	18.1
Asian	27.8	28.0	28.3	27.4	28.1	28.6
Hispanic	19.3	20.2	20.4	20.1	19.9	20.2
White	25.2	26.0	25.9	25.6	25.9	25.6
Two or More Races	21.3	22.8	24.0	23.8	25.1	23.6

Table 4D. Average ACT Reading Scores by Race/Ethnicity, Classes of 2011–2016						
	2011	2012	2013	2014	2015	2016
All Students	19.4	20.3	20.4	20.4	20.8	21.4
African American	16.9	17.6	17.6	17.3	17.9	18.7
Asian	25.0	25.5	25.4	25.5	25.9	27.5
Hispanic	17.9	18.9	19.0	18.8	18.6	19.6
White	25.4	26.1	26.3	25.8	26.8	26.7
Two or More Races	21.6	23.0	24.5	25.2	26.0	24.2

Table 4E. Average ACT Science Scores by Race/Ethnicity, Classes of 2011–2016						
	2011	2012	2013	2014	2015	2016
All Students	19.6	20.3	20.4	20.3	20.9	20.9
African American	17.4	17.8	17.5	17.3	17.9	18.3
Asian	25.5	25.2	26.0	25.5	26.2	26.9
Hispanic	18.3	19.3	19.3	18.9	19.2	19.4
White	24.7	25.0	25.3	25.2	25.6	25.4
Two or More Races	21.3	22.9	24.0	22.6	24.4	23.1

Sources: College-Bound Assessment Reports, 2012–2013 to 2013–2014; ACT District Profile Reports, various years;
 Note: Self-reported as Class of 2016. Scores are not reported for races with less than 5 students.

Appendix A (Continued)

ACT Data Tables

Table 5A. ACT English Percent Met CR Benchmark, District, Texas, and Nation						
	Class of 2015			Class of 2016		
	District	Texas	Nation	District	Texas	Nation
All Students	55	59	64	57	57	61
African American	38	35	34	38	35	33
Asian	83	81	75	89	80	75
Hispanic	44	43	47	49	41	46
White	91	79	75	90	78	73
Two or More Races	85	71		74	67	64

Table 5B. ACT Math Percent Met CR Benchmark, District, Texas, and Nation						
	Class of 2015			Class of 2016		
	District	Texas	Nation	District	Texas	Nation
All Students	46	44	42	45	42	41
African American	24	19	14	23	19	13
Asian	85	79	69	90	77	70
Hispanic	36	28	29	37	27	27
White	79	62	52	76	60	50
Two or More Races	70	53		65	49	40

Table 5C. ACT Reading Percent Met CR Benchmark, District, Texas, and Nation						
	Class of 2015			Class of 2016		
	District	Texas	Nation	District	Texas	Nation
All Students	44	44	46	45	43	44
African American	26	22	19	28	23	19
Asian	74	65	57	77	65	59
Hispanic	31	28	31	34	28	30
White	79	63	56	81	62	55
Two or More Races	63	54		54	53	46

Table 5D. ACT Science Percent Met CR Benchmark, District, Texas, and Nation						
	Class of 2015			Class of 2016		
	District	Texas	Nation	District	Texas	Nation
All Students	38	38	38	35	35	36
African American	17	15	12	16	15	11
Asian	74	65	57	78	63	56
Hispanic	26	23	23	24	20	21
White	72	55	48	69	53	46
Two or More Races	67	46		49	44	36

Sources: ACT District and State Profile Reports, 2015 and 2016;

Note: Self-reported as Class of 2015 or 2016. Scores are not reported for races with less than 5 students. In 2015, national data are not available for two or more races.

Appendix B

Average ACT Scores and Percent Met College Readiness Benchmarks by Subject and HISD Trustee District, 2016												
Board Member District	Campus	N Tested	Mean Scores					Percent Met College Readiness Benchmark (CR)				
			Composite	English	Mathematics	Reading	Science	CR English	CR Math	CR Reading	CR Science	CR Met All 4
District I	Heights HS	37	18.9	18.6	18.8	19.0	18.8	54.1	24.3	40.5	24.3	10.8
District I	Houston MSTC HS	32	16.6	14.5	17.8	15.8	17.7	21.9	15.6	9.4	9.4	0.0
District I	N. Houston ECHS	17	19.4	17.9	20.8	18.9	19.2	47.1	47.1	23.5	29.4	23.5
District I	Northside HS	28	16.2	14.5	17.2	16.0	16.4	21.4	17.9	10.7	7.1	3.6
District I	Scarborough HS	15	17.7	15.3	17.9	18.4	18.5	26.7	13.3	20.0	13.3	6.7
District I	Waltrip HS	36	19.2	17.9	19.8	19.3	18.9	47.2	36.1	22.2	16.7	11.1
District II	Jordan HS	27	17.9	16.3	18.5	18.4	17.6	25.9	25.9	25.9	14.8	7.4
District II	Kashmere HS	9	12.7	10.2	13.1	13.6	13.4	0.0	0.0	0.0	0.0	0.0
District II	Leland YMCPA	4	*	*	*	*	*	*	*	*	*	*
District II	North Forest HS	15	15.8	13.9	16.1	16.5	16.3	26.7	6.7	13.3	13.3	0.0
District II	Victory Prep North	3	*	*	*	*	*	*	*	*	*	*
District II	Washington HS	39	17.9	16.8	18.4	17.9	18.3	35.9	25.6	23.1	10.3	10.3
District II	Wheatley HS	13	15.5	14.2	15.3	15.0	16.6	23.1	0.0	0.0	0.0	0.0
District III	Chavez HS	139	17.2	16.0	18.0	17.0	17.4	35.3	21.6	15.1	7.2	4.3
District III	Milby HS	33	18.1	17.1	18.5	18.8	17.7	36.4	24.2	24.2	15.2	12.1
District III	Mount Carmel Acad.	7	18.1	18.0	18.0	18.1	17.7	42.9	14.3	14.3	0.0	0.0
District IV	DeBakey HS	88	28.6	27.7	29.6	28.4	28.3	100.0	96.6	88.6	89.8	85.2
District IV	Hou Acad. Intl.	37	19.8	18.9	19.3	20.6	20.1	51.4	29.7	35.1	18.9	16.2
District IV	Jones HS	4	*	*	*	*	*	*	*	*	*	*
District IV	Sterling HS	20	14.4	12.0	15.1	14.6	16.0	5.0	0.0	5.0	0.0	0.0
District IV	Yates HS	35	17.1	15.3	17.2	17.7	17.9	25.7	14.3	14.3	8.6	5.7
District IV	YWCPA	26	19.2	18.3	19.2	20.1	18.9	46.2	26.9	38.5	11.5	3.8
District V	Bellaire HS	312	24.7	24.3	25.0	25.0	24.0	80.8	67.3	67.6	56.1	48.4
District V	Challenge EC	36	23.1	21.6	22.9	24.9	22.5	80.6	58.3	69.4	33.3	27.8
District V	E-STEM Central HS	5	20.6	18.8	20.2	23.6	20.4	40.0	60.0	40.0	20.0	0.0
District V	E-STEM West HS	34	19.0	17.5	19.9	19.6	18.5	47.1	38.2	35.3	20.6	11.8
District V	HS Perf. Vis. Arts	62	26.0	27.0	25.2	26.9	24.8	96.8	82.3	83.9	61.3	56.5
District V	Long Acad	42	16.4	13.9	17.9	16.7	16.8	21.4	14.3	14.3	4.8	4.8
District VI	Sharpstown HS	23	18.7	17.1	19.9	18.2	19.2	30.4	39.1	26.1	17.4	13.0
District VI	Sharpstown Intl	12	18.2	17.1	18.8	18.4	18.2	33.3	16.7	16.7	0.0	0.0
District VI	Westside HS	202	22.0	20.6	22.8	22.6	21.9	66.8	56.4	53.5	41.6	34.7
District VII	Lamar HS	237	23.2	22.6	22.8	23.8	22.9	75.9	57.4	62.9	53.2	41.8
District VII	Liberty HS	3	*	*	*	*	*	*	*	*	*	*
District VII	Mid Coll - Guffon	2	*	*	*	*	*	*	*	*	*	*
District VII	Wisdom HS	26	18.5	17.4	19.6	18.3	18.5	42.3	30.8	19.2	19.2	11.5
District VIII	Austin HS	80	15.2	13.4	16.6	14.9	15.7	18.8	11.3	7.5	5.0	1.3
District VIII	Carnegie HS	130	29.1	29.0	29.0	29.7	27.9	100.0	95.4	93.1	86.2	84.6
District VIII	East EC HS	58	19.9	18.8	20.5	20.2	19.8	51.7	41.4	37.9	17.2	13.8
District VIII	Eastwood Acad	32	23.1	22.0	24.3	22.6	22.6	81.3	75.0	65.6	59.4	50.0
District VIII	Furr HS	14	15.1	14.5	15.9	15.2	14.7	28.6	21.4	14.3	0.0	0.0
District VIII	Law Enf. CJHS	27	18.3	17.0	18.0	18.4	19.0	37.0	18.5	11.1	22.2	11.1
District VIII	Reach HS	1	*	*	*	*	*	*	*	*	*	*
District VIII	Tx Conn. Acad.	52	20.9	20.3	19.3	22.6	21.0	55.8	30.8	51.9	36.5	21.2
District IX	Madison HS	74	15.4	13.7	15.6	15.5	16.1	14.9	6.8	8.1	5.4	1.4
District IX	Victory Prep South	12	16.2	14.4	15.5	17.6	16.8	16.7	8.3	16.7	0.0	0.0
District IX	Westbury HS	47	15.7	14.2	15.7	16.0	16.3	25.5	6.4	8.5	6.4	2.1
District IX	Worthing HS	12	12.7	9.8	13.8	12.0	14.3	0.0	0.0	0.0	0.0	0.0
	HISD Totals	2,199	21.1	20.0	21.4	21.4	20.9	57	45	45	35	29
	Texas	142,877	20.6	19.4	20.7	21.0	20.7	57	42	43	35	26
	Nation	2,090,342	20.8	20.1	20.6	21.3	20.8	61	41	44	36	26

Source: ACT data file, 2016; ACT District and State Profile Reports
 *Scores not reported for less than 5 students.