

# ACT Profile Report - National

Graduating Class 2013 - Asian Students  
National





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This report provides information about the performance of your 2013 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2013. Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included in the report.

This report focuses on:

**Performance** - student test performance in the context of college readiness

**Access** - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

**Course Selection** - percent of students pursuing a core curriculum

**Course Rigor** - impact of rigorous coursework on achievement

**College Readiness** - percent of students meeting ACT College Readiness Benchmark Scores in each content area

**Awareness** - extent to which student aspirations match performance

**Articulation** - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Furthermore, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students who met or exceeded ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

**The ACT is a curriculum-based measure of college readiness. ACT components include:**

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

**The ACT:**

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at [www.act.org/standard/infoserv.html](http://www.act.org/standard/infoserv.html).

Only the ACT reports **College Readiness Benchmark Scores** – 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, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores, updated for 2013, are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	22
Biology	Science	23

For more information, go to [www.act.org](http://www.act.org)

## How to Improve Scores and Increase College Readiness

43% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

**PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT:** 71,677 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

**MAKING CORE CURRICULUM A PRIORITY:** Emphasize the need for all students to develop college and work ready skills, regardless of postsecondary aspirations. 81% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

**MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES:** Table 3.2 reports 2% of the cohort took less than three years of math courses. Of these students, 39% were college ready. 5% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 16% of these students were college ready. In comparison, 75% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 6% of the cohort took less than three years of natural science courses. 30% of these students were college ready. In comparison, 55% of students who took at least three years of science coursework were college ready.

**EVALUATING RIGOR OF COURSES:** Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 23% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at [www.act.org/standard](http://www.act.org/standard).

**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS:** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact ACT Customer Service at 1-319-337-1309 or [customerservices@act.org](mailto:customerservices@act.org).

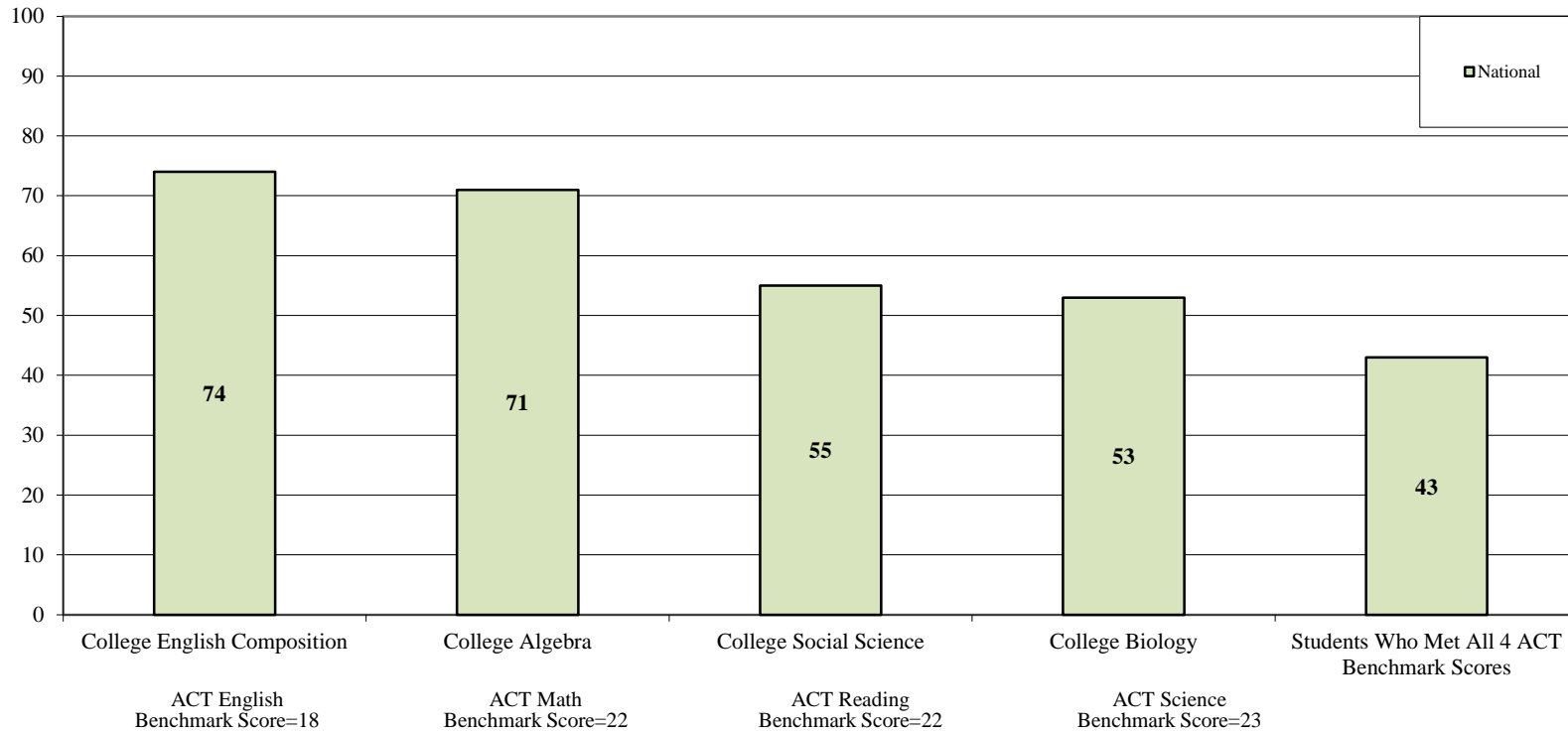
# Section I

## Executive Summary

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included. Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

To find the results of only standard time or extended time test takers, refer to Tables 1.7 and 1.8 on page 10.

Figure 1.1. Percent of Your Students Ready for College-Level Coursework



**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 course.**



**Table 1.1. Five Year Trends—Percent of Students Who Met College Readiness Benchmarks**

Year	Number of Students Tested National	Percent Who Met Benchmarks				
		English National	Mathematics National	Reading National	Science National	Met All Four National
2009	59,093	76	65	61	42	36
2010	65,362	76	68	61	44	39
2011	66,650	76	71	62	46	41
2012	68,080	76	72	62	47	42
<b>2013</b>	<b>71,677</b>	<b>74</b>	<b>71</b>	<b>55</b>	<b>53</b>	<b>43</b>

Table 1.2. Five Year Trends—Average ACT Scores (table omitted for this report)

**Table 1.3. Five Year Trends—Average ACT Scores Nationwide**

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2009	59,093	22.6	24.5	22.7	22.7	23.2
2010	65,362	22.6	24.7	22.9	23.0	23.4
2011	66,650	22.8	25.1	22.9	23.1	23.6
2012	68,080	22.7	25.2	22.9	23.2	23.6
<b>2013</b>	<b>71,677</b>	<b>22.5</b>	<b>25.0</b>	<b>22.9</b>	<b>23.1</b>	<b>23.5</b>

**Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation**

Year	Number of Students Tested		Percent <sup>2</sup>		Average ACT Scores									
	Core or More <sup>1</sup>	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2009	47,137	10,962	80	19	23.2	20.5	25.0	22.7	23.2	20.8	23.1	21.2	23.7	21.4
2010	52,783	11,378	81	17	23.3	20.4	25.2	22.8	23.4	20.9	23.4	21.3	23.9	21.5
2011	54,087	11,228	81	17	23.4	20.7	25.4	23.5	23.4	21.1	23.5	21.6	24.1	21.9
2012	55,308	11,432	81	17	23.3	20.4	25.6	23.7	23.5	20.9	23.6	21.6	24.1	21.8
<b>2013</b>	<b>57,761</b>	<b>12,334</b>	<b>81</b>	<b>17</b>	<b>23.2</b>	<b>20.1</b>	<b>25.4</b>	<b>23.5</b>	<b>23.5</b>	<b>20.6</b>	<b>23.5</b>	<b>21.4</b>	<b>24.1</b>	<b>21.5</b>

<sup>1</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.


<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity**

	2009			2010			2011			2012			2013		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>59,093</b>	<b>100</b>	<b>23.2</b>	<b>65,362</b>	<b>100</b>	<b>23.4</b>	<b>66,650</b>	<b>100</b>	<b>23.6</b>	<b>68,080</b>	<b>100</b>	<b>23.6</b>	<b>71,677</b>	<b>100</b>	<b>23.5</b>
Black/African American	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.
American Indian/Alaska Native	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.
White	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.
Hispanic/Latino	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.
Asian	59,093	100	23.2	65,362	100	23.4	66,650	100	23.6	68,080	100	23.6	71,677	100	23.5
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.
Two or more races	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.
Prefer not to respond/No response	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.

**Table 1.6. Percent of Students in College Readiness Standards Score Ranges**

CRS Range	English (Benchmark = 18)	Mathematics (Benchmark = 22)	Reading (Benchmark = 22)	Science (Benchmark = 23)
1-12	9%	0%	6%	3%
13-15	10%	6%	11%	6%
16-19	14%	17%	17%	16%
20-23	22%	15%	21%	28%
24-27	19%	27%	17%	26%
28-32	16%	20%	18%	15%
33-36	10%	14%	10%	6%
% At or Above Benchmark	74%	71%	55%	53%

 = National

**Table 1.7. Average ACT College Reportable Scores by Test Session Duration**

Student Group	Test Session Duration	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
National	Standard Time	70,993	99	22.6	25.0	22.9	23.1	23.5
	Extended Time	684	1	17.9	20.0	19.8	19.7	19.5
	Total	71,677	100	22.5	25.0	22.9	23.1	23.5

**Table 1.8. Percent of Students Who Met College Readiness Benchmark Scores by Test Session Duration**

Student Group	Test Session Duration	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
National	Standard Time	75	71	55	53	43
	Extended Time	47	35	40	30	23
	Total	74	71	55	53	43

# Section II

## Academic Achievement

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP<sup>1</sup>), and Score Averages

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	774	100	1,915	100	1,598	100	1,143	100	333	100	36
35	2,097	99	2,614	97	693	98	1,197	98	1,153	100	35
34	2,198	96	3,533	94	2,320	97	1,036	97	1,731	98	34
33	2,360	93	2,231	89	2,534	94	872	95	1,985	96	33
32	1,915	90	2,299	86	2,485	90	1,696	94	2,306	93	32
31	2,026	87	1,962	82	3,439	87	1,927	92	2,526	90	31
30	2,242	84	2,773	80	2,366	82	2,078	89	2,774	86	30
29	2,218	81	3,190	76	2,347	78	2,247	86	3,089	82	29
28	2,911	78	4,332	71	2,405	75	2,556	83	3,316	78	28
27	2,436	74	4,795	65	2,510	72	3,101	79	3,718	73	27
26	3,360	70	5,370	59	2,562	68	3,501	75	3,913	68	26
25	3,643	66	4,757	51	2,534	65	5,983	70	4,219	63	25
24	3,947	61	4,469	45	4,589	61	6,126	62	4,452	57	24
23	3,779	55	3,680	38	3,000	55	4,381	53	4,439	50	23
22	3,879	50	2,795	33	3,804	51	5,337	47	4,450	44	22
21	4,211	44	2,432	29	4,470	45	5,853	40	4,131	38	21
20	4,248	39	1,878	26	3,790	39	4,405	32	3,785	32	20
19	2,697	33	2,500	23	3,433	34	4,005	25	3,656	27	19
18	2,383	29	2,604	20	3,472	29	3,528	20	3,109	22	18
17	2,178	26	3,615	16	2,723	24	2,150	15	2,952	18	17
16	2,732	23	3,762	11	2,737	20	2,122	12	2,545	13	16
15	3,041	19	2,558	6	3,002	17	1,557	9	2,188	10	15
14	2,278	15	1,043	2	2,347	12	1,317	7	1,860	7	14
13	1,627	11	392	1	2,371	9	1,141	5	1,557	4	13
12	1,428	9	114	1	1,897	6	864	3	947	2	12
11	1,611	7	36	1	1,180	3	791	2	395	1	11
10	1,418	5	10	1	552	1	401	1	104	1	10
9	917	3	6	1	244	1	221	1	31	1	9
8	693	2	4	1	105	1	73	1	7	1	8
7	277	1	2	1	76	1	25	1	3	1	7
6	98	1	1	1	42	1	27	1	0	1	6
5	30	1	0	1	23	1	4	1	2	1	5
4	15	1	3	1	11	1	3	1	0	1	4
3	5	1	1	1	3	1	5	1	0	1	3
2	1	1	0	1	10	1	0	1	1	1	2
1	4	1	1	1	3	1	4	1	0	1	1
Avg (SD)	22.5 (7.1)		25.0 (6.1)		22.9 (6.8)		23.1 (5.6)		23.5 (5.9)		Avg (SD)

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

**Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP<sup>1</sup>), and Subscore Averages**

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies/ Sciences		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	5,492	100	3,005	100	3,920	100	4,621	100	10,168	100	3,298	100	3,876	100	18
17	6,395	92	1,147	96	5,798	95	5,311	94	6,857	86	4,248	95	862	95	17
16	4,433	83	6,358	94	5,330	86	5,683	86	5,379	76	5,448	89	8,840	93	16
15	4,158	77	6,590	85	4,698	79	5,558	78	6,968	69	9,196	82	8,686	81	15
14	4,709	71	6,216	76	4,627	72	5,068	70	5,461	59	9,092	69	8,432	69	14
13	4,498	65	6,229	67	6,005	66	5,075	63	6,640	51	9,979	56	7,000	57	13
12	5,111	59	7,883	59	7,385	58	5,178	56	6,059	42	6,724	42	9,078	47	12
11	6,742	51	5,936	48	5,842	47	6,563	49	5,326	34	6,193	33	5,329	35	11
10	6,509	42	5,785	40	5,613	39	5,238	40	4,420	26	6,254	24	4,923	27	10
9	5,465	33	6,207	31	5,689	31	4,633	33	3,019	20	3,894	16	6,207	20	9
8	4,196	25	4,989	23	5,270	23	5,381	26	4,113	16	3,706	10	3,542	12	8
7	4,071	19	3,306	16	5,343	16	4,000	19	4,214	10	1,559	5	1,996	7	7
6	3,209	14	2,677	11	2,885	9	3,551	13	1,744	4	1,104	3	1,342	4	6
5	2,957	9	2,399	7	1,943	5	3,396	8	792	2	304	1	561	2	5
4	1,939	5	1,768	4	704	2	1,551	3	324	1	387	1	525	1	4
3	1,266	3	953	2	355	1	586	1	143	1	170	1	209	1	3
2	470	1	200	1	200	1	261	1	42	1	49	1	173	1	2
1	57	1	29	1	70	1	23	1	8	1	72	1	96	1	1
Avg (SD)	11.5 (4.2)		11.4 (3.7)		11.7 (3.8)		11.6 (4.1)		13.0 (3.7)		12.7 (3.1)		12.5 (3.2)		Avg (SD)

<sup>1</sup>CP is the cumulative percent of students at or below a score point.

**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	28	29	28	26	28
Q2 (50th Percentile)	23	25	22	23	23
Q1 (25th Percentile)	17	20	18	19	19

**Table 2.4. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation**

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>1</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
National	<b>All Students</b>	<b>71,677</b>	<b>81</b>	<b>24.1</b>	<b>21.5</b>
	Black/African American	0	.	.	.
	American Indian/Alaska Native	0	.	.	.
	White	0	.	.	.
	Hispanic/Latino	0	.	.	.
	Asian	71,677	81	24.1	21.5
	Native Hawaiian/Other Pac. Isl.	0	.	.	.
	Two or more races	0	.	.	.
	Prefer not/No Response	0	.	.	.

<sup>1</sup>"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

**Table 2.5. Average ACT Scores by Race/Ethnicity**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
National	<b>All Students</b>	<b>22.5</b>	<b>25.0</b>	<b>22.9</b>	<b>23.1</b>	<b>23.5</b>
	Black/African American	.	.	.	.	.
	American Indian/Alaska Native	.	.	.	.	.
	White	.	.	.	.	.
	Hispanic/Latino	.	.	.	.	.
	Asian	22.5	25.0	22.9	23.1	23.5
	Native Hawaiian/Other Pac. Isl.	.	.	.	.	.
	Two or more races	.	.	.	.	.
	Prefer not/No Response	.	.	.	.	.



**Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges**

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
National	33 to 36	7,429	10	10,293	14	7,145	10	4,248	6
	28 to 32	11,312	16	14,556	20	13,042	18	10,504	15
	24 to 27	13,386	19	19,391	27	12,195	17	18,711	26
	20 to 23	16,117	22	10,785	15	15,064	21	19,976	28
	16 to 19	9,990	14	12,481	17	12,365	17	11,805	16
	13 to 15	6,946	10	3,993	6	7,720	11	4,015	6
	01 to 12	6,497	9	178	0	4,146	6	2,418	3

**Table 2.7. Average ACT Scores by Gender**

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
National	Males	32,773	46	22.3	25.6	22.7	23.7	23.7
	Females	38,892	54	22.8	24.5	23.0	22.5	23.3
	Missing	12	0	14.9	16.9	15.1	15.7	15.7

**Table 2.8. Percent of Students Who Met College Readiness Benchmark Scores by Gender**

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
National	Males	73	73	54	57	45
	Females	76	69	56	49	41

**Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>4</sup>	Avg
National	Core or More <sup>2</sup>	57,761	79	23.2	74	25.4	58	23.5	56	23.5	46	24.1
	Less than Core	12,334	60	20.1	60	23.5	41	20.6	41	21.4	31	21.5
	Missing <sup>3</sup>	1,582	38	16.6	42	20.8	24	17.2	24	18.8	17	18.5

<sup>1</sup> "Curriculum Taken" reflects overall high school curriculum in this table.

<sup>2</sup> "Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

<sup>3</sup> Zero years or no coursework information reported in one or more content areas.

<sup>4</sup> Composite CRB% results reflect students who met all four subject-area benchmarks.

**Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
National	Core or More <sup>2</sup>	67,227	77	22.9	68,625	72	25.2	63,195	56	23.2	65,698	55	23.4
	Less than Core	3,122	41	16.7	1,706	39	20.6	7,102	46	21.4	4,539	30	19.7
	Missing <sup>3</sup>	1,328	40	16.9	1,346	43	21.0	1,380	26	17.5	1,440	25	19.0

<sup>1</sup> "Curriculum Taken" reflects content-specific curriculum in this table.

<sup>2</sup> "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

<sup>3</sup> Zero years or no coursework information reported in the specified content area.

# Section III

## College Readiness and the Impact of Course Rigor

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Figure 3.1. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH

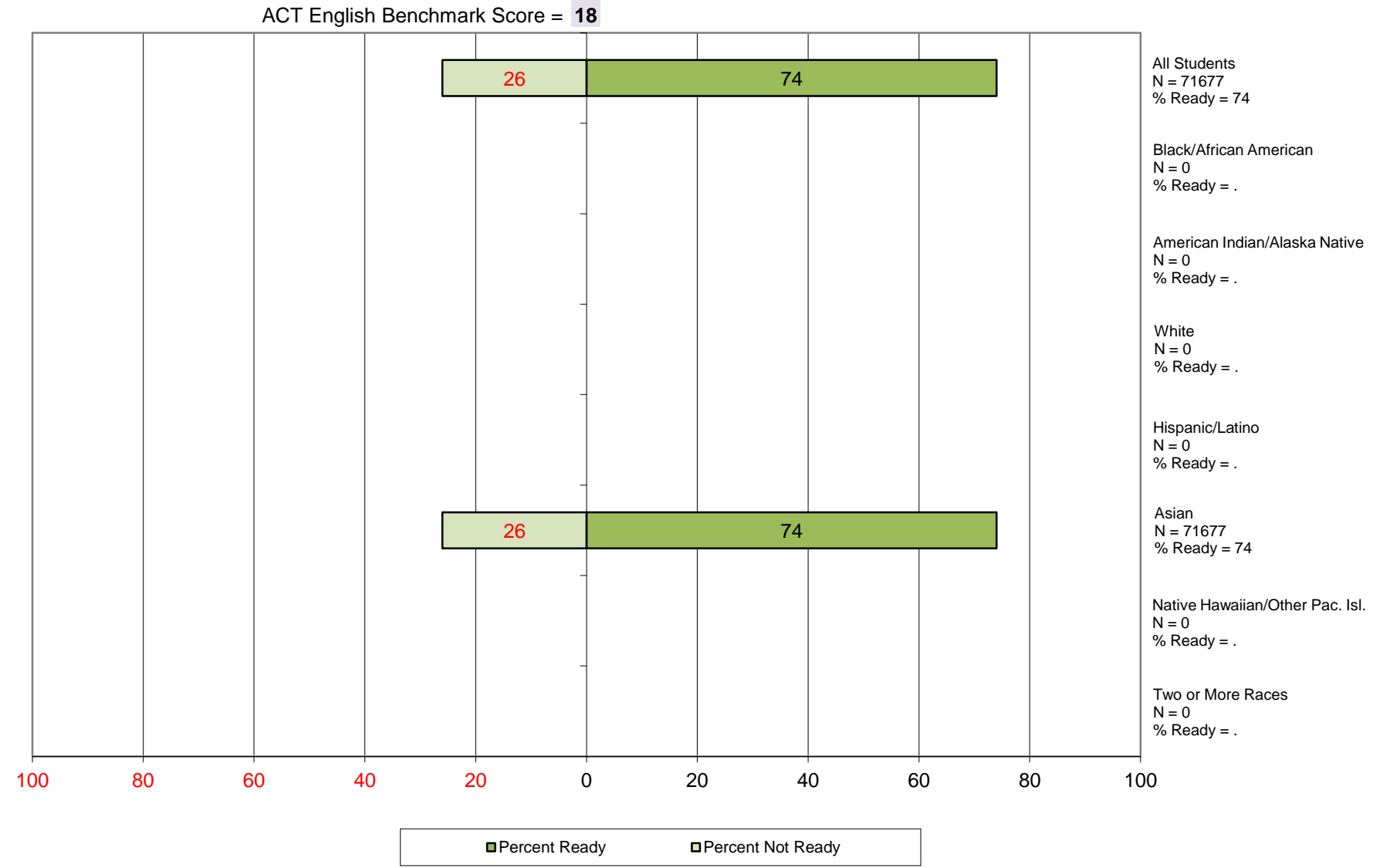


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

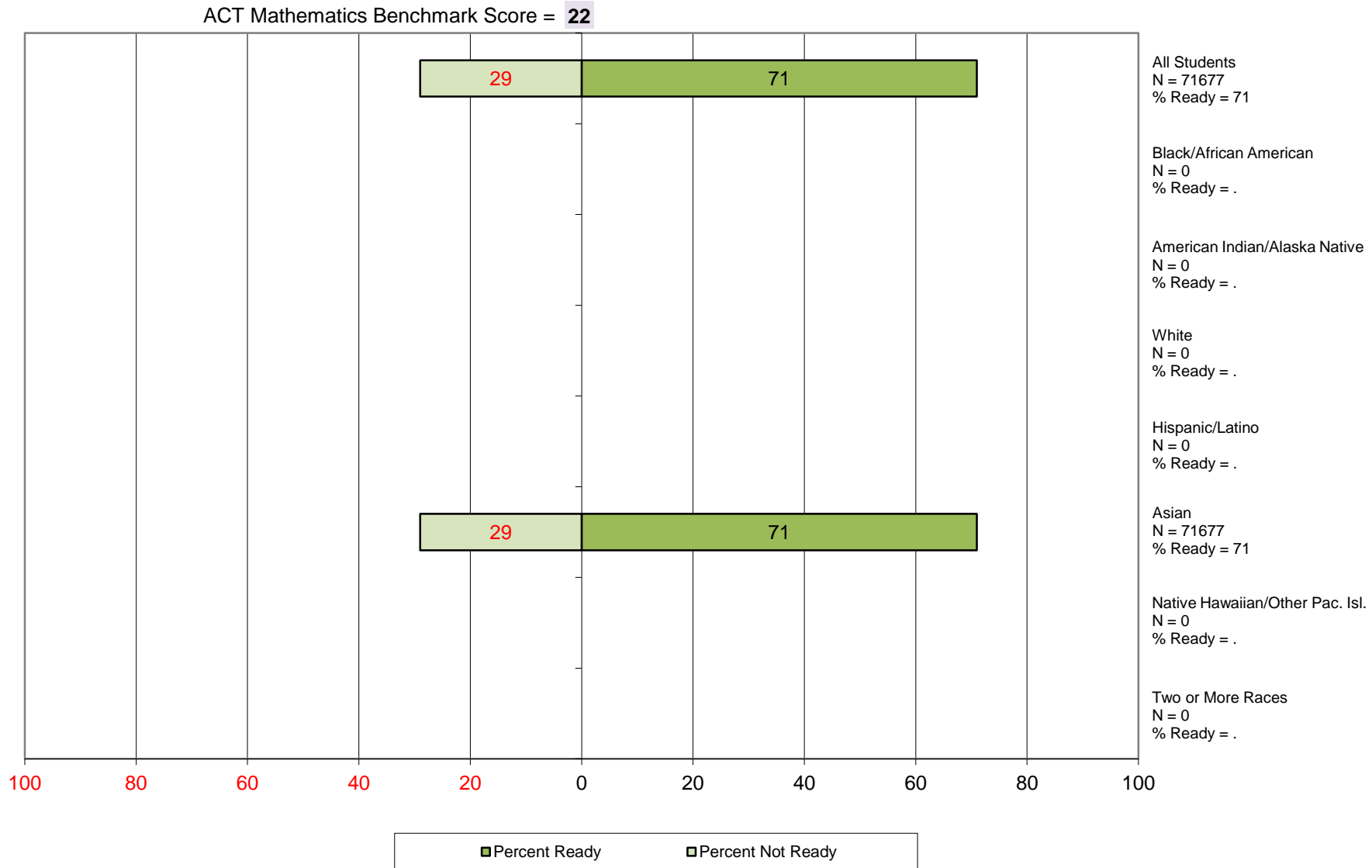


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

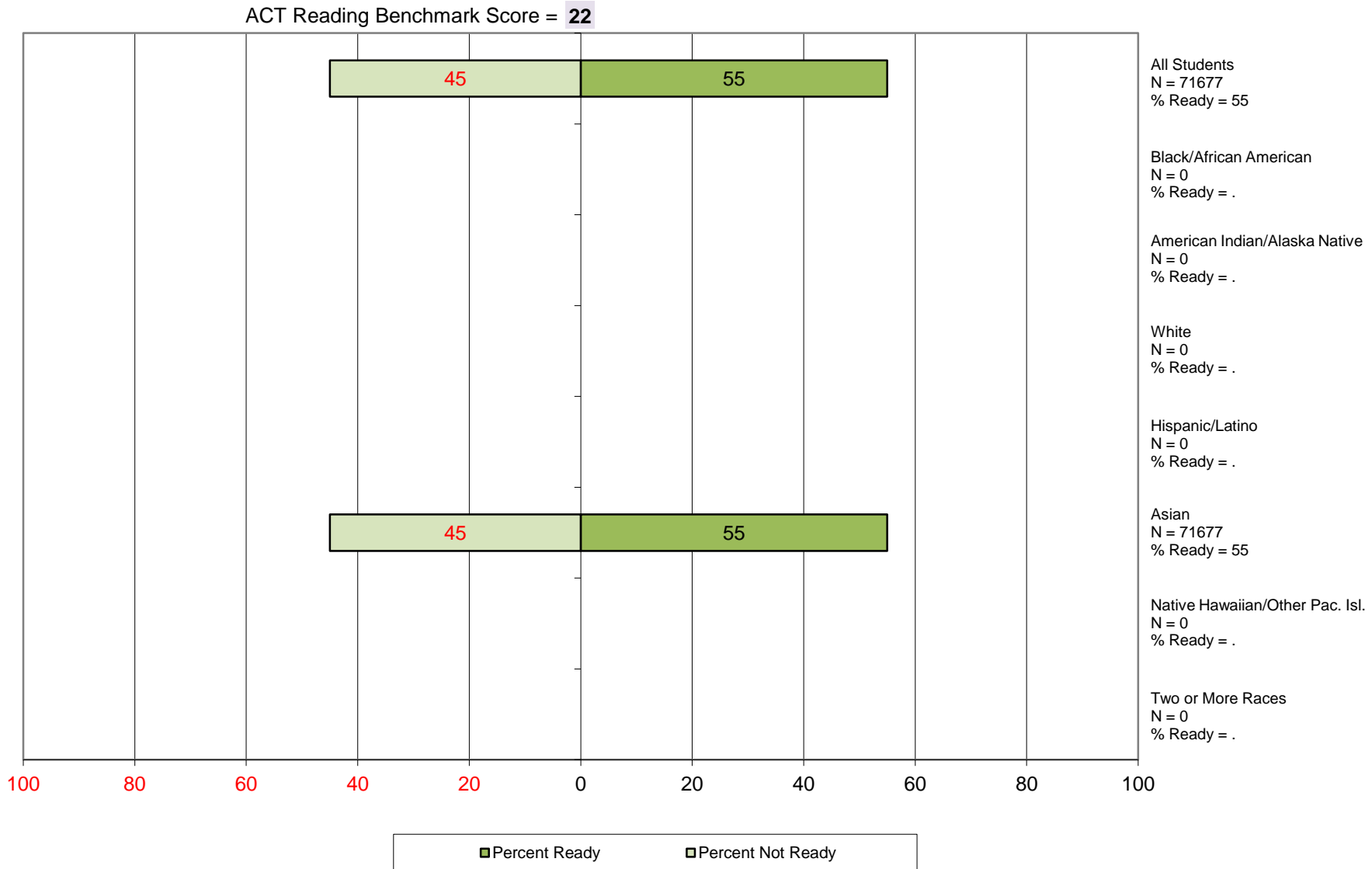


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

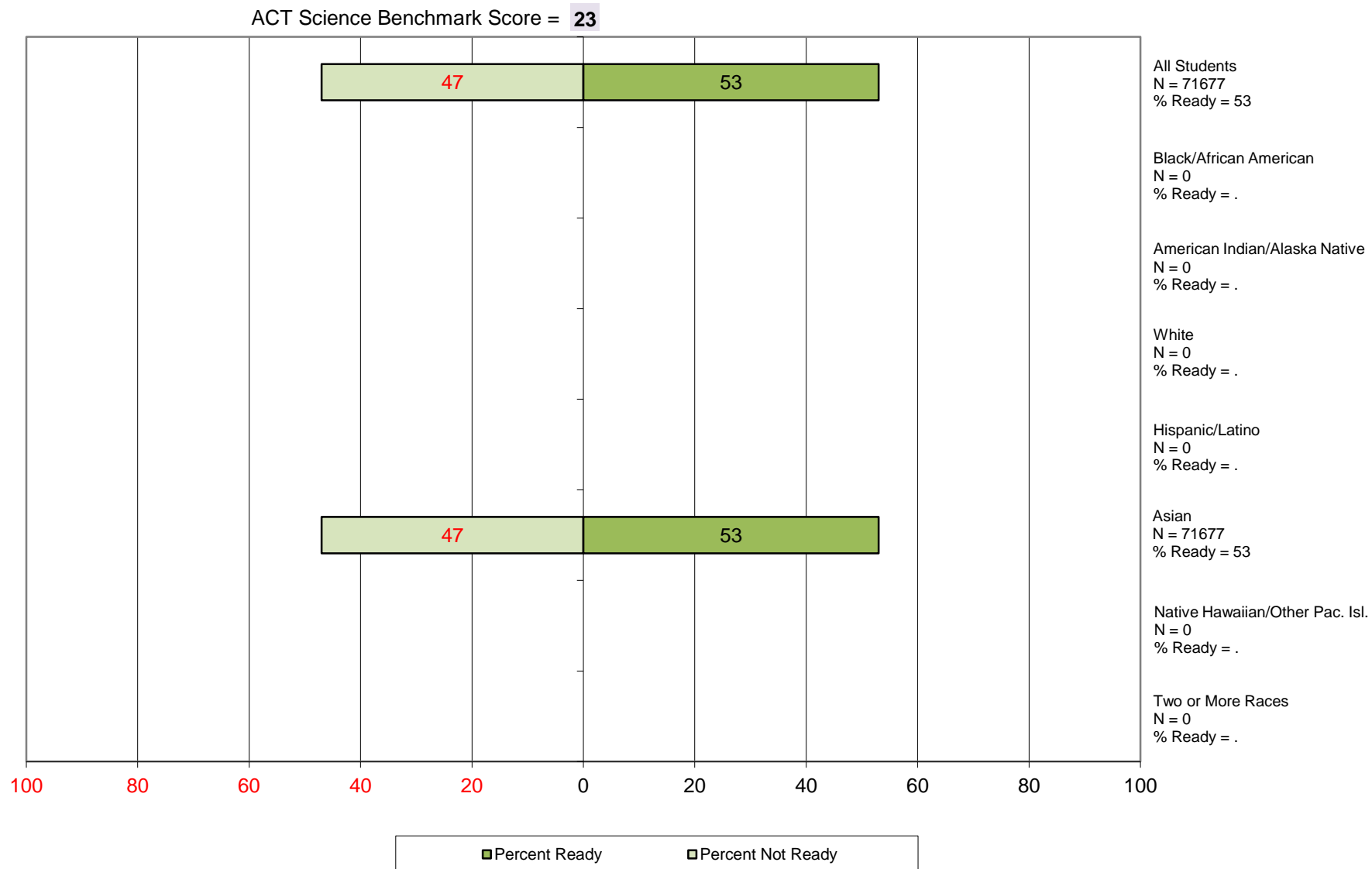
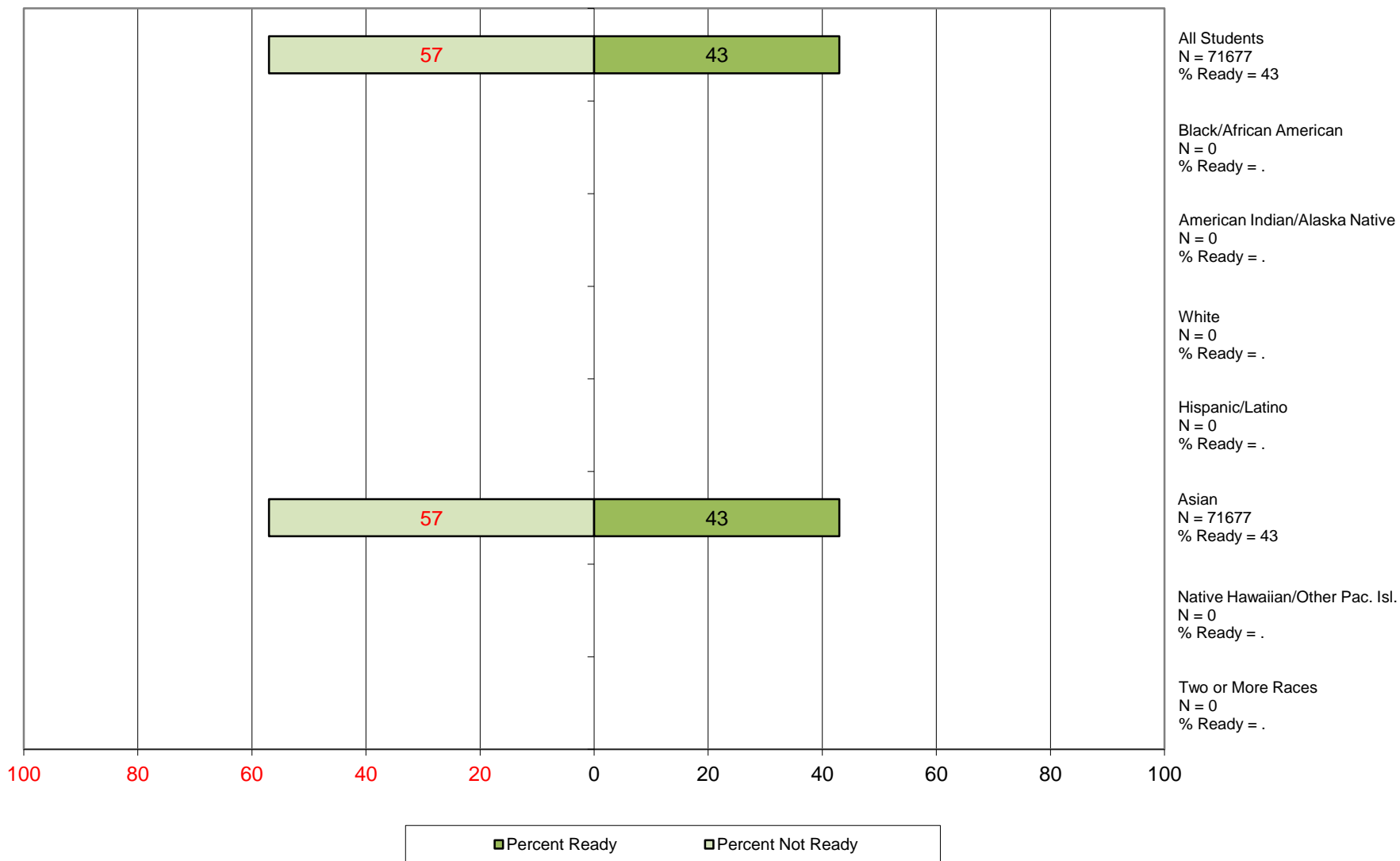


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR





**Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns**

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	16,888	24	22.5	5.8	7,428	23	22.2	5.7	9,458	24	22.8	5.8
Eng 9, Eng 10, Eng 11, Eng 12	50,339	70	23.0	6.3	22,994	70	22.9	6.4	27,343	70	23.2	6.2
Less than 4 years of English	3,122	4	16.7	-	1,606	5	16.5	-	1,513	4	17.0	-
Zero years / no English courses reported	1,328	2	16.9	-	745	2	16.2	-	578	1	17.9	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	6,631	9	26.2	5.6	2,760	8	26.8	6.2	3,871	10	25.7	5.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,211	7	23.0	2.4	1,936	6	23.3	2.7	3,274	8	22.8	2.1
Alg 1, Alg 2, Geom, & Trig	3,222	4	20.5	-0.1	1,356	4	20.7	0.1	1,866	5	20.4	-0.3
Alg 1, Alg 2, Geom, & Other Adv Math	6,418	9	20.7	0.1	2,484	8	20.9	0.3	3,933	10	20.6	-0.1
Other comb of 4 or more years of Math	40,560	57	27.1	6.5	19,653	60	27.8	7.2	20,904	54	26.5	5.8
Alg 1, Alg 2, & Geom	3,455	5	17.7	-2.9	1,596	5	17.9	-2.7	1,858	5	17.6	-3.1
Other comb of 3 or 3.5 years of Math	3,128	4	23.6	3.0	1,389	4	23.8	3.2	1,739	4	23.3	2.6
Less than 3 years of Math	1,706	2	20.6	-	845	3	20.6	-	860	2	20.7	-
Zero years / no Math courses reported	1,346	2	21.0	-	754	2	20.9	-	587	2	21.1	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	1,682	2	23.1	1.7	828	3	22.7	1.5	854	2	23.5	2.0
Other comb of 4 or more years Social Science	39,043	54	23.4	2.0	17,339	53	23.4	2.2	21,701	56	23.4	1.9
US Hist, World Hist, & Am Gov	2,853	4	21.6	0.2	1,435	4	21.2	0.0	1,417	4	22.1	0.6
Other comb of 3 or 3.5 years of Social Science	19,617	27	23.0	1.6	8,928	27	22.8	1.6	10,688	27	23.1	1.6
Less than 3 years of Social Science	7,102	10	21.4	-	3,455	11	21.2	-	3,645	9	21.5	-
Zero years / no Social Science courses reported	1,380	2	17.5	-	788	2	17.0	-	587	2	18.2	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	40,181	56	23.8	4.1	19,161	58	24.5	4.9	21,015	54	23.2	3.4
Bio, Chem, Phys	12,384	17	24.8	5.1	5,719	17	25.7	6.1	6,665	17	24.2	4.4
Gen Sci <sup>2</sup> , Bio, Chem	11,773	16	20.8	1.1	4,367	13	20.9	1.3	7,406	19	20.7	0.9
Other comb of 3 years of Natural Science	1,360	2	20.3	0.6	794	2	20.9	1.3	566	1	19.6	-0.2
Less than 3 years of Natural Science	4,539	6	19.7	-	1,938	6	19.6	-	2,599	7	19.8	-
Zero years / no Natural Science courses reported	1,440	2	19.0	-	794	2	18.9	-	641	2	19.1	-

<sup>1</sup>Course value added is defined as the average ACT score change compared to course sequences in which students took

less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

<sup>2</sup>Includes General, Physical and Earth Sciences.

**Table 3.2. College Readiness Percents by Common Course Patterns**

Course Pattern	National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
<b>ENGLISH COURSE PATTERN</b>				
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	16,888	24	22.5	74
Eng 9, Eng 10, Eng 11, Eng 12	50,339	70	23.0	78
Less than 4 years of English	3,122	4	16.7	41
Zero years / no English courses reported	1,328	2	16.9	40
<b>MATHEMATICS COURSE PATTERN</b>				
Alg 1, Alg 2, Geom, Trig, & Calc	6,631	9	26.2	82
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	5,211	7	23.0	65
Alg 1, Alg 2, Geom, & Trig	3,222	4	20.5	42
Alg 1, Alg 2, Geom, & Other Adv Math	6,418	9	20.7	44
Other comb of 4 or more years of Math	40,560	57	27.1	84
Alg 1, Alg 2, & Geom	3,455	5	17.7	16
Other comb of 3 or 3.5 years of Math	3,128	4	23.6	64
Less than 3 years of Math	1,706	2	20.6	39
Zero years / no Math courses reported	1,346	2	21.0	43
<b>SOCIAL SCIENCE COURSE PATTERN</b>				
US Hist, World Hist, Am Gov, & Other Hist	1,682	2	23.1	56
Other comb of 4 or more years Social Science	39,043	54	23.4	58
US Hist, World Hist, & Am Gov	2,853	4	21.6	46
Other comb of 3 or 3.5 years of Social Science	19,617	27	23.0	55
Less than 3 years of Social Science	7,102	10	21.4	46
Zero years / no Social Science courses reported	1,380	2	17.5	26
<b>NATURAL SCIENCE COURSE PATTERN</b>				
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	40,181	56	23.8	58
Bio, Chem, Phys	12,384	17	24.8	66
Gen Sci <sup>1</sup> , Bio, Chem	11,773	16	20.8	34
Other comb of 3 years of Natural Science	1,360	2	20.3	31
Less than 3 years of Natural Science	4,539	6	19.7	30
Zero years / no Natural Science courses reported	1,440	2	19.0	25

<sup>1</sup>Includes General, Physical and Earth Sciences.

# Section IV

## Career and Educational Aspirations

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

**Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans**

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture & Natural Resources Conservation	306	0	22.1	22	1	14.8	245	0	23.0
Architecture	763	1	22.6	21	1	17.0	643	1	22.6
Area, Ethnic, & Multidisciplinary Studies	152	0	21.4	19	1	13.4	114	0	22.3
Arts: Visual & Performing	3,245	5	21.0	143	9	16.5	2,675	5	21.3
Business	7,550	11	22.9	316	19	18.4	6,224	11	23.1
Communications	794	1	23.7	21	1	16.3	673	1	24.0
Community, Family, & Personal Services	671	1	18.6	74	5	15.0	530	1	19.1
Computer Science & Mathematics	2,895	4	24.2	73	4	17.1	2,444	4	24.4
Education	1,333	2	20.5	42	3	15.1	1,122	2	20.7
Engineering	7,836	11	25.2	97	6	17.5	6,814	12	25.2
Engineering Technology & Drafting	1,206	2	21.4	76	5	15.5	996	2	22.0
English & Foreign Languages	637	1	24.1	8	0	16.5	557	1	24.5
Health Administration & Assisting	2,619	4	20.1	78	5	15.7	2,223	4	20.2
Health Sciences & Technologies	16,589	23	23.8	167	10	17.4	14,978	25	23.9
Philosophy, Religion, & Theology	171	0	21.5	6	0	16.8	146	0	22.0
Repair, Production, & Construction	232	0	17.2	63	4	16.7	141	0	17.6
Sciences: Biological & Physical	8,236	11	25.8	20	1	17.8	7,319	12	25.8
Social Sciences & Law	3,741	5	24.4	32	2	18.0	3,274	6	24.4
Undecided	10,534	15	23.7	230	14	16.9	7,573	13	23.8
No Response	2,104	3	18.1	95	6	13.9	294	0	18.1

<sup>1</sup>2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.

<sup>2</sup>Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

**Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations**

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Black/African American		American Indian/ Alaska Native		White		Hispanic/Latino	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	619	18.3	0	.	0	.	0	.	0	.
2-yr College Degree	1,009	15.8	0	.	0	.	0	.	0	.
Bachelors Degree	21,107	20.8	0	.	0	.	0	.	0	.
Graduate Study	12,512	25.0	0	.	0	.	0	.	0	.
Prof. Level Degree	25,396	25.7	0	.	0	.	0	.	0	.
Other	1,202	19.3	0	.	0	.	0	.	0	.
No Response	9,832	23.3	0	.	0	.	0	.	0	.

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Other Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	619	18.3	619	18.3	0	.	0	.	0	.
2-yr College Degree	1,009	15.8	1,009	15.8	0	.	0	.	0	.
Bachelors Degree	21,107	20.8	21,107	20.8	0	.	0	.	0	.
Graduate Study	12,512	25.0	12,512	25.0	0	.	0	.	0	.
Prof. Level Degree	25,396	25.7	25,396	25.7	0	.	0	.	0	.
Other	1,202	19.3	1,202	19.3	0	.	0	.	0	.
No Response	9,832	23.3	9,832	23.3	0	.	0	.	0	.

Table 4.3. Students' Score Report Preferences at Time of Testing (table omitted for this report)

# Section V

## Optional Writing Test Results

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included. Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

**Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing**

	N National	Average ACT Scores		
		English National	Writing National	English/Writing Combined National
<b>All Students</b>	<b>54,580</b>	<b>23.5</b>	<b>7.6</b>	<b>22.7</b>
Black/African American	0	.	.	.
American Indian/Alaska Native	0	.	.	.
White	0	.	.	.
Hispanic/Latino	0	.	.	.
Asian	54,580	23.5	7.6	22.7
Native Hawaiian/Other Pac. Isl.	0	.	.	.
Two or more races	0	.	.	.
Prefer not/No Response	0	.	.	.
Males	24,436	23.4	7.4	22.5
Females	30,138	23.6	7.7	22.9
Missing	6	15.3	6.0	15.3





