

# ACT Profile Report - State

Graduating Class 2014

North Carolina



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## Table of Contents

<b>Section I: Executive Summary</b>	<b>Page 5</b>
Percent of Your Students Ready for College-Level Coursework	
Five Year Trends—Percent of Students Who Met College Readiness Benchmarks	
Five Year Trends—Average ACT Scores	
Five Year Trends—Average ACT Scores by Level of Preparation	
Five Year Trends—Percent and Average Composite Score by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
Average ACT College Reportable Scores by Test Session Duration	
Percent of Students Who Met College Readiness Benchmark Scores by Test Session Duration	
 <b>Section II: Academic Achievement</b>	 <b>Page 11</b>
ACT Score Distributions, Cumulative Percentages, Averages, and Quartile Values	
Average ACT Composite Scores for Race/Ethnicity by Level of Preparation	
Average ACT Scores by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
Average ACT Scores by Gender	
Percent of Students Who Met College Readiness Benchmark Scores by Gender	
College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum	
College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum	
 <b>Section III: College Readiness &amp; Impact of Course Rigor</b>	 <b>Page 17</b>
Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity	
Average ACT Scores and Average ACT Score Changes by Common Course Patterns	
College Readiness Percents by Common Course Patterns	
 <b>Section IV: Career and Educational Aspirations</b>	 <b>Page 25</b>
Distribution of Planned Educational Majors for All Students by College Plans	
Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations	
Students' Score Report Preferences at Time of Testing	
 <b>Section V: Optional Writing Test Results</b>	 <b>Page 29</b>
Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing	

This report provides information about the performance of your 2014 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 2014. 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 in August of 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

16% 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:** 97,443 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. 60% 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 5% of the cohort took less than three years of math courses. Of these students, 6% were college ready. 12% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 9% of these students were college ready. In comparison, 39% 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 24% of the cohort took less than three years of natural science courses. 5% of these students were college ready. In comparison, 30% 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 60% 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 319-337-1309 or [customerservices@act.org](mailto:customerservices@act.org).

# Section I

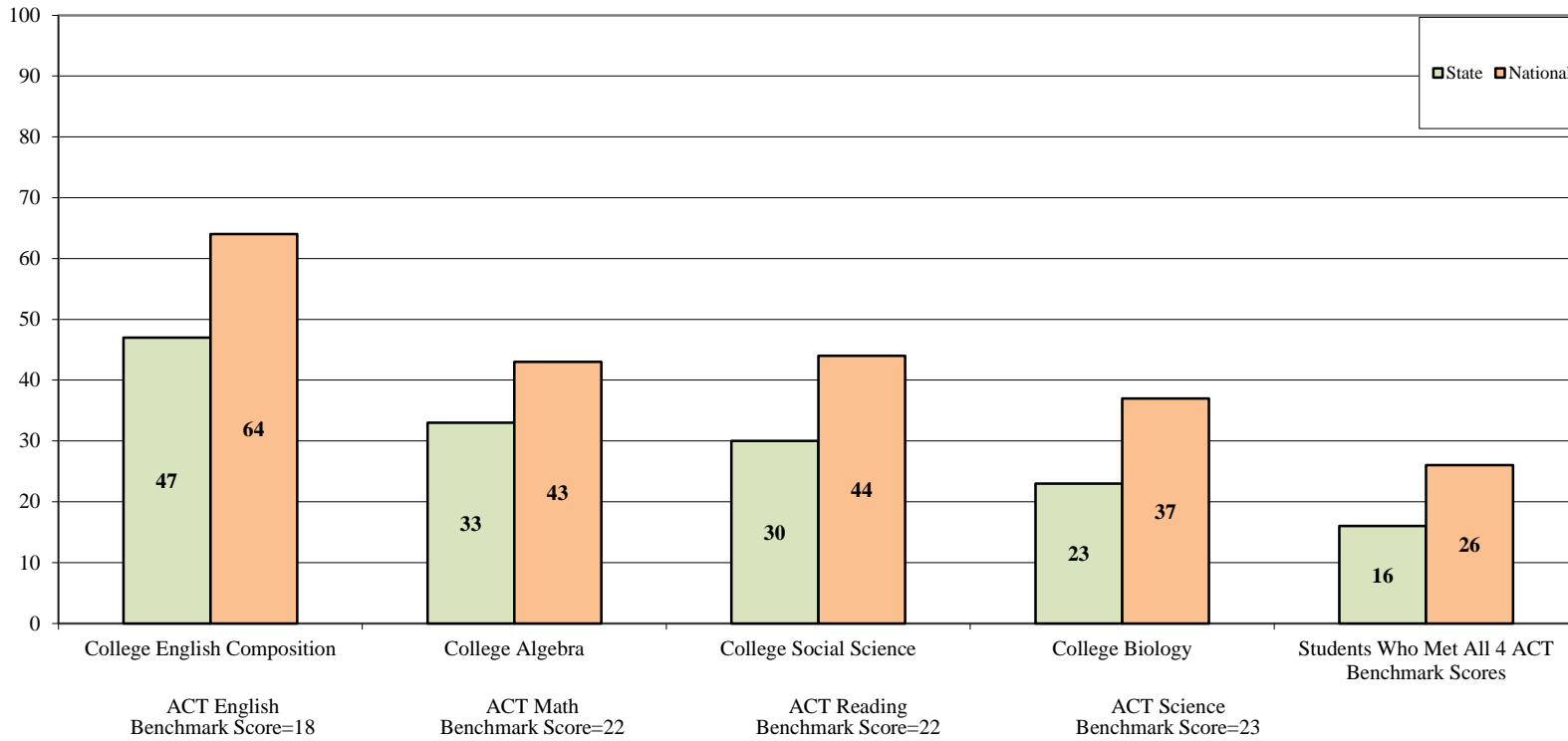
## Executive Summary

Beginning in August of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning in August 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.



Total Students in Report: 97,443

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

Year	Number of Students Tested		Percent Who Met Benchmarks									
			English		Mathematics		Reading		Science		Met All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2010	14,673	1,568,835	70	66	55	43	58	52	34	29	30	24
2011	16,736	1,623,112	70	66	56	45	58	52	34	30	30	25
2012	18,817	1,666,017	69	67	56	46	58	52	34	31	30	25
2013	95,782	1,799,243	43	64	33	44	31	44	25	36	17	26
<b>2014</b>	<b>97,443</b>	<b>1,845,787</b>	<b>47</b>	<b>64</b>	<b>33</b>	<b>43</b>	<b>30</b>	<b>44</b>	<b>23</b>	<b>37</b>	<b>16</b>	<b>26</b>

**Table 1.2. Five Year Trends—Average ACT Scores**

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2010	14,673	1,568,835	21.1	20.5	22.3	21.0	22.2	21.3	21.6	20.9	21.9	21.0
2011	16,736	1,623,112	21.2	20.6	22.4	21.1	22.2	21.3	21.4	20.9	21.9	21.1
2012	18,817	1,666,017	21.0	20.5	22.3	21.1	22.2	21.3	21.4	20.9	21.9	21.1
2013	95,782	1,799,243	17.1	20.2	19.6	20.9	18.8	21.1	18.7	20.7	18.7	20.9
<b>2014</b>	<b>97,443</b>	<b>1,845,787</b>	<b>17.5</b>	<b>20.3</b>	<b>19.6</b>	<b>20.9</b>	<b>19.0</b>	<b>21.3</b>	<b>18.9</b>	<b>20.8</b>	<b>18.9</b>	<b>21.0</b>

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

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2010	1,568,835	20.5	21.0	21.3	20.9	21.0
2011	1,623,112	20.6	21.1	21.3	20.9	21.1
2012	1,666,017	20.5	21.1	21.3	20.9	21.1
2013	1,799,243	20.2	20.9	21.1	20.7	20.9
<b>2014</b>	<b>1,845,787</b>	<b>20.3</b>	<b>20.9</b>	<b>21.3</b>	<b>20.8</b>	<b>21.0</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
2010	11,960	2,474	82	17	21.9	17.1	23.0	19.3	22.9	18.8	22.2	18.6	22.6	18.6
2011	13,768	2,600	82	16	21.9	17.4	23.0	19.4	22.8	19.0	22.0	18.7	22.5	18.8
2012	15,843	2,771	84	15	21.7	17.5	22.9	19.4	22.8	19.1	21.9	18.7	22.4	18.8
2013	59,014	32,379	62	34	19.0	14.1	21.1	17.4	20.6	16.0	20.2	16.3	20.3	16.1
<b>2014</b>	<b>58,949</b>	<b>32,678</b>	<b>60</b>	<b>34</b>	<b>19.6</b>	<b>14.2</b>	<b>21.1</b>	<b>17.2</b>	<b>20.9</b>	<b>16.0</b>	<b>20.5</b>	<b>16.6</b>	<b>20.6</b>	<b>16.1</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.

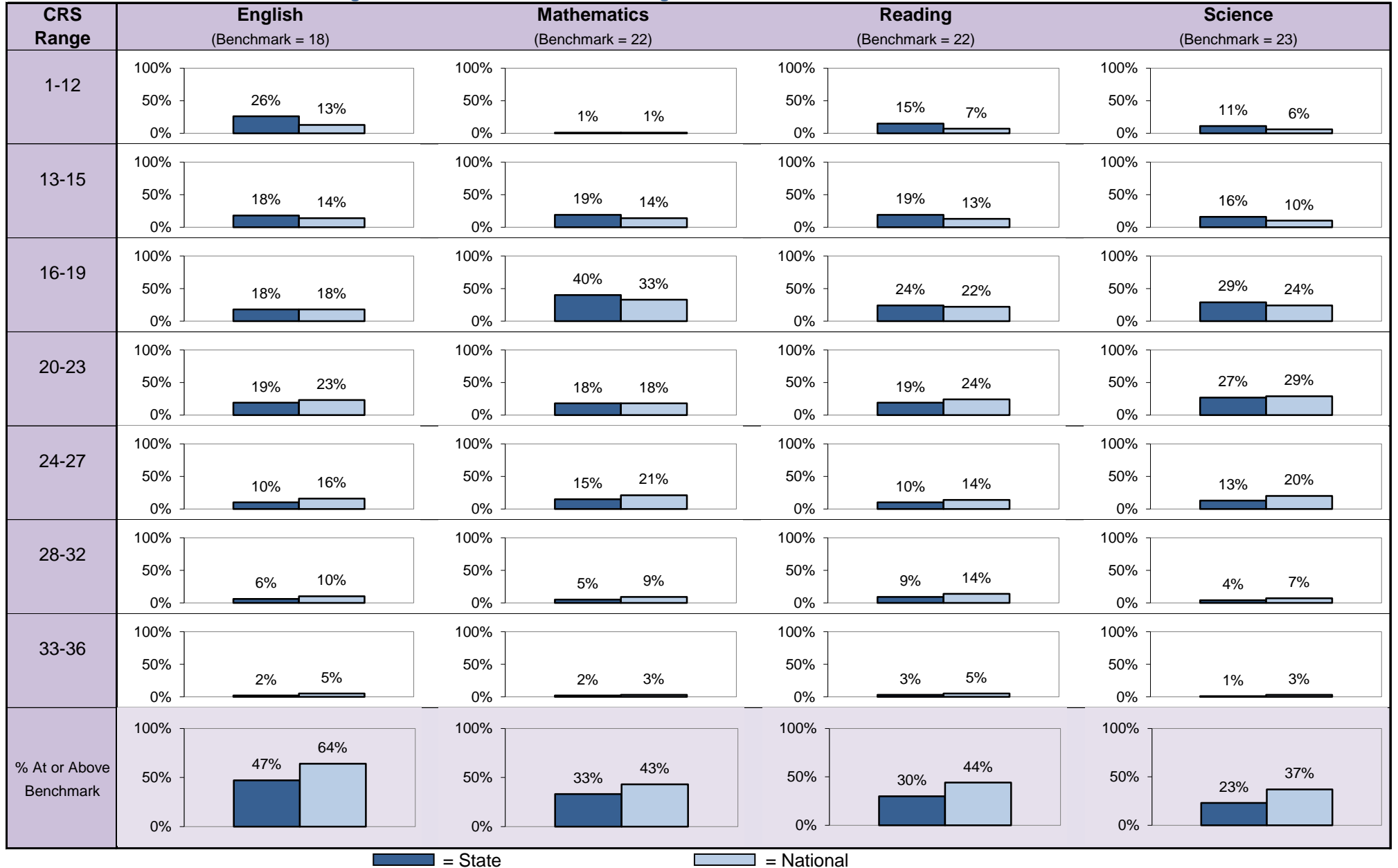
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2010			2011			2012			2013			2014		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>14,673</b>	<b>100</b>	<b>21.9</b>	<b>16,736</b>	<b>100</b>	<b>21.9</b>	<b>18,817</b>	<b>100</b>	<b>21.9</b>	<b>95,782</b>	<b>100</b>	<b>18.7</b>	<b>97,443</b>	<b>100</b>	<b>18.9</b>
Black/African American	3,099	21	17.4	3,606	22	17.4	4,107	22	17.2	20,927	22	15.6	20,710	21	15.8
American Indian/Alaska Native	149	1	19.3	138	1	18.6	164	1	19.4	1,119	1	16.2	1,203	1	16.5
White	9,377	64	23.4	10,435	62	23.5	11,423	61	23.4	50,942	53	20.3	50,499	52	20.5
Hispanic/Latino	596	4	20.3	819	5	20.8	1,168	6	20.9	9,428	10	17.0	10,206	10	17.2
Asian	490	3	24.3	594	4	24.6	642	3	24.8	2,403	3	21.0	2,549	3	21.4
Native Hawaiian/Other Pacific Islander	0	0	.	5	0	19.4	24	0	21.3	159	0	17.4	152	0	17.8
Two or more races	394	3	21.5	478	3	21.1	607	3	21.5	3,774	4	18.6	4,257	4	18.7
Prefer not to respond/No response	568	4	22.8	661	4	23.2	682	4	23.3	7,030	7	18.2	7,867	8	18.3

Total Students in Report: 97,443

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



Total Students in Report: 97,443

**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
State	Standard Time	92,475	95	17.7	19.7	19.1	19.1	19.0
	Extended Time	4,968	5	13.3	16.6	16.2	16.1	15.7
	Total	97,443	100	17.5	19.6	19.0	18.9	18.9
National	Standard Time	1,769,033	96	20.5	21.0	21.4	20.9	21.1
	Extended Time	76,754	4	16.2	17.8	18.5	18.1	17.8
	Total	1,845,787	100	20.3	20.9	21.3	20.8	21.0

**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	
State	Standard Time	48	34	31	24	17
	Extended Time	20	13	16	10	7
	Total	47	33	30	23	16
National	Standard Time	65	44	45	37	27
	Extended Time	37	21	30	21	15
	Total	64	43	44	37	26

# 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.

Total Students in Report: 97,443

**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	151	100	122	100	507	100	276	100	29	100	36
35	580	100	417	100	607	99	197	100	157	100	35
34	765	99	418	99	1,010	99	418	100	339	100	34
33	734	98	522	99	1,099	98	198	99	500	99	33
32	828	98	474	98	1,445	97	469	99	675	99	32
31	920	97	614	98	1,437	95	715	98	935	98	31
30	1,149	96	1,171	97	2,566	94	692	98	1,196	97	30
29	1,108	95	1,142	96	1,789	91	663	97	1,463	96	29
28	1,996	94	1,883	95	1,961	89	1,664	96	1,857	95	28
27	1,339	92	3,107	93	2,104	87	1,672	95	2,359	93	27
26	2,316	90	2,987	90	2,346	85	2,457	93	2,901	90	26
25	2,648	88	4,687	87	2,609	83	3,763	90	3,240	87	25
24	3,879	85	4,010	82	2,837	80	4,349	86	3,750	84	24
23	3,893	81	5,798	78	3,539	77	5,054	82	4,197	80	23
22	4,300	77	4,407	72	3,486	73	6,000	77	4,822	76	22
21	4,797	73	4,563	67	7,403	70	6,804	71	5,397	71	21
20	5,179	68	3,065	63	3,991	62	8,522	64	5,762	65	20
19	5,173	62	5,425	60	4,912	58	9,983	55	6,165	59	19
18	3,771	57	8,421	54	4,552	53	5,794	45	6,632	53	18
17	4,137	53	9,326	45	8,602	48	5,870	39	7,287	46	17
16	4,374	49	15,431	36	5,024	40	6,145	33	7,615	39	16
15	8,436	45	11,005	20	5,111	34	5,580	26	7,602	31	15
14	4,688	36	5,169	9	8,755	29	5,137	21	7,455	23	14
13	4,495	31	1,919	3	4,738	20	4,480	15	6,578	16	13
12	5,906	26	903	1	4,130	15	3,649	11	4,721	9	12
11	4,277	20	214	1	5,750	11	2,618	7	2,410	4	11
10	5,549	16	106	1	1,922	5	1,844	4	829	1	10
9	4,104	10	67	1	1,371	3	1,096	2	361	1	9
8	2,526	6	38	1	811	2	612	1	128	1	8
7	2,050	4	0	1	467	1	348	1	48	1	7
6	877	1	18	1	305	1	190	1	18	1	6
5	283	1	0	1	134	1	21	1	8	1	5
4	137	1	8	1	18	1	89	1	4	1	4
3	46	1	0	1	59	1	52	1	3	1	3
2	25	1	0	1	31	1	0	1	0	1	2
1	7	1	6	1	15	1	22	1	0	1	1
Avg (SD)	17.5 (6.6)		19.6 (4.9)		19.0 (6.5)		18.9 (5.2)		18.9 (5.3)		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.

Total Students in Report: 97,443

**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	1,780	100	867	100	1,196	100	2,373	100	1,809	100	468	100	380	100	18
17	2,888	98	489	99	3,439	99	3,601	98	2,429	98	341	100	126	100	17
16	2,109	95	2,028	99	2,764	95	4,071	94	3,114	96	1,148	99	2,191	99	16
15	2,182	93	4,448	97	4,317	92	4,612	90	3,987	92	3,925	98	2,355	97	15
14	3,666	91	3,351	92	4,012	88	5,047	85	4,951	88	3,795	94	5,044	95	14
13	4,487	87	5,536	89	4,733	84	5,736	80	10,037	83	7,925	90	4,558	90	13
12	4,836	82	8,471	83	5,671	79	6,916	74	6,855	73	11,357	82	9,171	85	12
11	5,874	77	6,983	74	6,352	73	7,670	67	6,125	66	8,025	70	7,889	76	11
10	9,289	71	10,003	67	13,255	67	8,290	59	11,213	60	17,886	62	16,283	67	10
9	7,501	62	8,022	57	9,220	53	8,971	50	6,450	48	10,964	44	21,027	51	9
8	8,132	54	12,022	48	10,236	44	8,474	41	11,694	42	11,453	32	10,992	29	8
7	11,623	46	8,144	36	9,215	33	7,691	33	15,254	30	8,212	21	2,141	18	7
6	8,299	34	8,487	28	13,392	24	7,566	25	7,464	14	5,816	12	6,826	16	6
5	7,978	25	4,551	19	4,883	10	6,356	17	4,182	6	739	6	5,261	9	5
4	8,775	17	8,740	14	2,778	5	6,636	10	1,103	2	3,196	6	546	3	4
3	4,270	8	3,604	5	351	2	2,308	4	559	1	385	2	1,950	3	3
2	3,115	4	1,508	2	1,064	2	1,058	1	177	1	1,418	2	183	1	2
1	639	1	189	1	565	1	67	1	40	1	390	1	520	1	1
Avg (SD)	8.5 (4.0)		8.9 (3.6)		9.5 (3.6)		9.7 (4.0)		10.0 (3.4)		9.8 (3.0)		9.6 (2.9)		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)	22	23	23	22	22
Q2 (50th Percentile)	17	18	18	19	18
Q1 (25th Percentile)	12	16	14	15	15

Total Students in Report: 97,443

**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
State	<b>All Students</b>	<b>97,443</b>	<b>60</b>	<b>20.6</b>	<b>16.1</b>
	Black/African American	20,710	49	17.2	14.6
	American Indian/Alaska Native	1,203	49	18.0	15.1
	White	50,499	68	22.0	17.3
	Hispanic/Latino	10,206	56	18.7	15.3
	Asian	2,549	74	22.9	17.4
	Native Hawaiian/Other Pac. Isl.	152	61	19.4	15.4
	Two or more races	4,257	61	20.1	16.6
	Prefer not/No Response	7,867	47	20.6	15.7
National	<b>All Students</b>	<b>1,845,787</b>	<b>73</b>	<b>21.8</b>	<b>18.9</b>
	Black/African American	241,678	68	17.6	15.7
	American Indian/Alaska Native	14,263	62	19.0	16.5
	White	1,038,435	76	23.1	20.2
	Hispanic/Latino	281,216	71	19.5	17.3
	Asian	80,370	79	24.2	21.6
	Native Hawaiian/Other Pac. Isl.	5,676	65	20.0	16.6
	Two or more races	70,013	74	22.0	19.2
	Prefer not/No Response	114,136	56	22.6	18.5

<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
State	<b>All Students</b>	17.5	19.6	19.0	18.9	18.9
	Black/African American	13.8	17.0	15.7	16.2	15.8
	American Indian/Alaska Native	14.5	17.4	16.6	16.9	16.5
	White	19.6	20.9	20.7	20.4	20.5
	Hispanic/Latino	15.3	18.3	17.2	17.6	17.2
	Asian	19.9	23.2	20.8	21.3	21.4
	Native Hawaiian/Other Pac. Isl.	16.2	18.3	18.1	17.8	17.8
	Two or more races	17.5	19.2	18.9	18.8	18.7
	Prefer not/No Response	16.8	19.1	18.4	18.4	18.3
National	<b>All Students</b>	20.3	20.9	21.3	20.8	21.0
	Black/African American	15.8	17.2	17.3	17.0	17.0
	American Indian/Alaska Native	16.6	18.1	18.4	18.3	18.0
	White	22.0	22.0	22.8	22.1	22.3
	Hispanic/Latino	17.7	19.2	19.1	18.8	18.8
	Asian	22.8	24.9	22.8	23.2	23.5
	Native Hawaiian/Other Pac. Isl.	17.5	19.2	18.7	18.6	18.6
	Two or more races	20.6	20.9	21.7	21.0	21.2
	Prefer not/No Response	20.0	20.7	21.1	20.5	20.7



Total Students in Report: 97,443

**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	%
State	33 to 36	2,230	2	1,479	2	3,223	3	1,089	1
	28 to 32	6,001	6	5,284	5	9,198	9	4,203	4
	24 to 27	10,182	10	14,791	15	9,896	10	12,241	13
	20 to 23	18,169	19	17,833	18	18,419	19	26,380	27
	16 to 19	17,455	18	38,603	40	23,090	24	27,792	29
	13 to 15	17,619	18	18,093	19	18,604	19	15,197	16
	01 to 12	25,787	26	1,360	1	15,013	15	10,541	11
National	33 to 36	92,922	5	55,103	3	97,714	5	55,222	3
	28 to 32	185,768	10	174,260	9	257,722	14	128,357	7
	24 to 27	302,723	16	383,630	21	263,034	14	367,160	20
	20 to 23	431,178	23	336,283	18	445,726	24	542,581	29
	16 to 19	330,518	18	616,601	33	409,685	22	448,064	24
	13 to 15	264,127	14	266,401	14	240,948	13	186,262	10
	01 to 12	238,551	13	13,509	1	130,958	7	118,141	6

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	45,770	47	16.8	19.7	18.5	19.0	18.6
	Females	47,837	49	18.3	19.5	19.5	19.0	19.2
	Missing	3,836	4	16.1	18.6	17.7	18.0	17.7
National	Males	856,651	46	20.0	21.4	21.1	21.2	21.1
	Females	977,127	53	20.7	20.5	21.5	20.5	20.9
	Missing	12,009	1	15.7	17.8	17.3	17.4	17.2

**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	
State	Males	42	34	28	25	17
	Females	52	32	33	22	16
National	Males	62	47	43	40	29
	Females	66	40	45	34	25

Total Students in Report: 97,443

**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
State	Core or More <sup>2</sup>	58,949	61	19.6	45	21.1	41	20.9	33	20.5	24	20.6
	Less than Core	32,678	24	14.2	12	17.2	13	16.0	8	16.6	4	16.1
	Missing <sup>3</sup>	5,816	28	14.5	18	17.6	17	16.5	13	16.8	8	16.4
National	Core or More	1,347,997	71	21.4	50	21.7	50	22.2	42	21.6	31	21.8
	Less than Core	405,073	48	17.9	27	18.9	30	19.2	23	18.9	15	18.9
	Missing	92,717	36	16.0	18	17.7	23	17.7	16	17.6	10	17.4

<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
State	Core or More <sup>2</sup>	80,626	51	18.2	87,659	35	19.9	80,661	34	19.7	69,492	30	20.0
	Less than Core	12,472	23	13.9	5,148	6	15.9	11,765	10	15.3	22,955	5	16.1
	Missing <sup>3</sup>	4,345	32	15.1	4,636	21	17.9	5,017	18	16.6	4,996	14	17.1
National	Core or More	1,676,095	67	20.8	1,686,194	46	21.3	1,580,108	47	21.7	1,538,158	41	21.4
	Less than Core	88,420	36	15.9	74,627	8	16.4	180,385	32	19.4	220,701	17	18.1
	Missing	81,272	38	16.3	84,966	19	17.8	85,294	24	17.8	86,928	17	17.7

<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

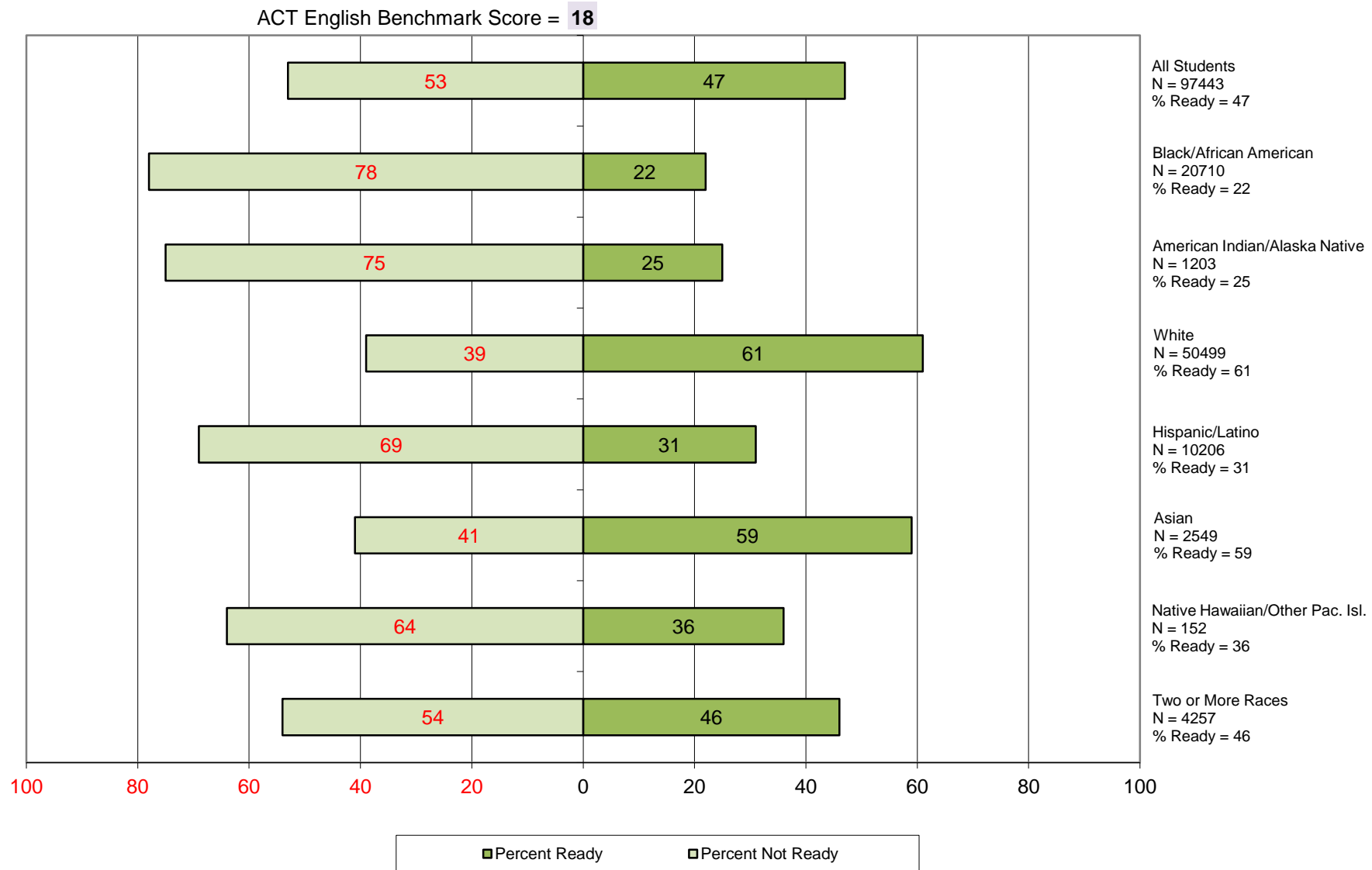


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

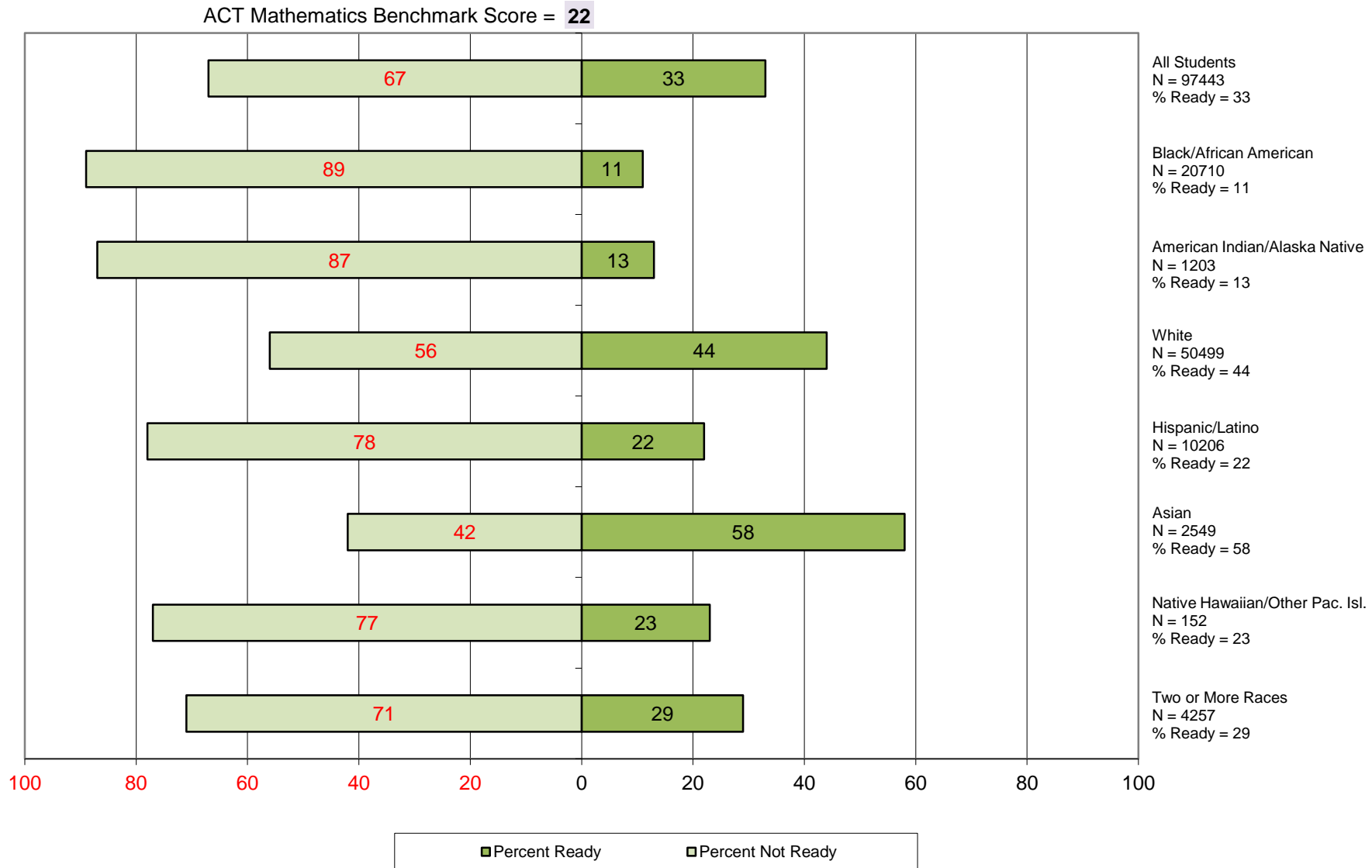


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

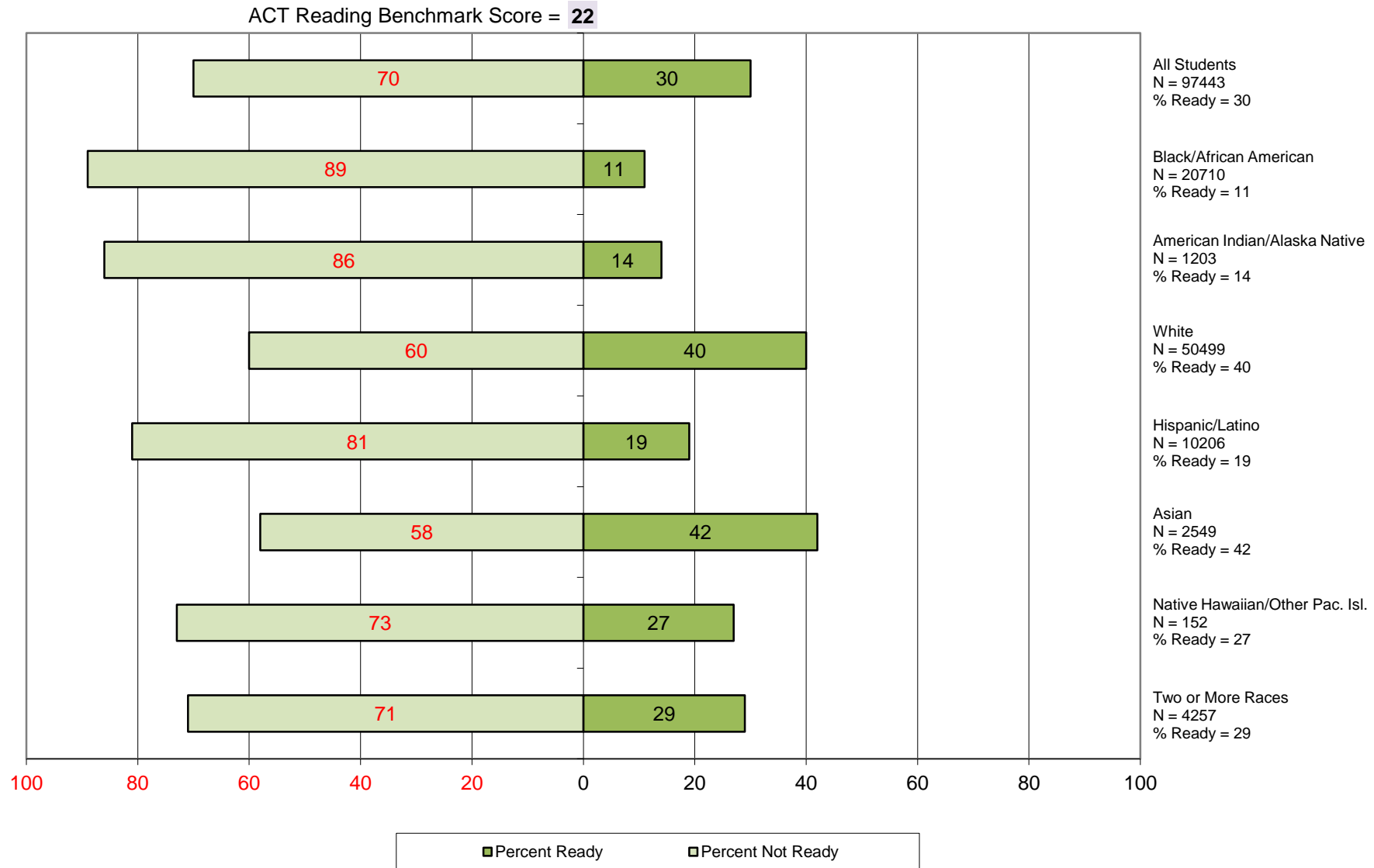


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

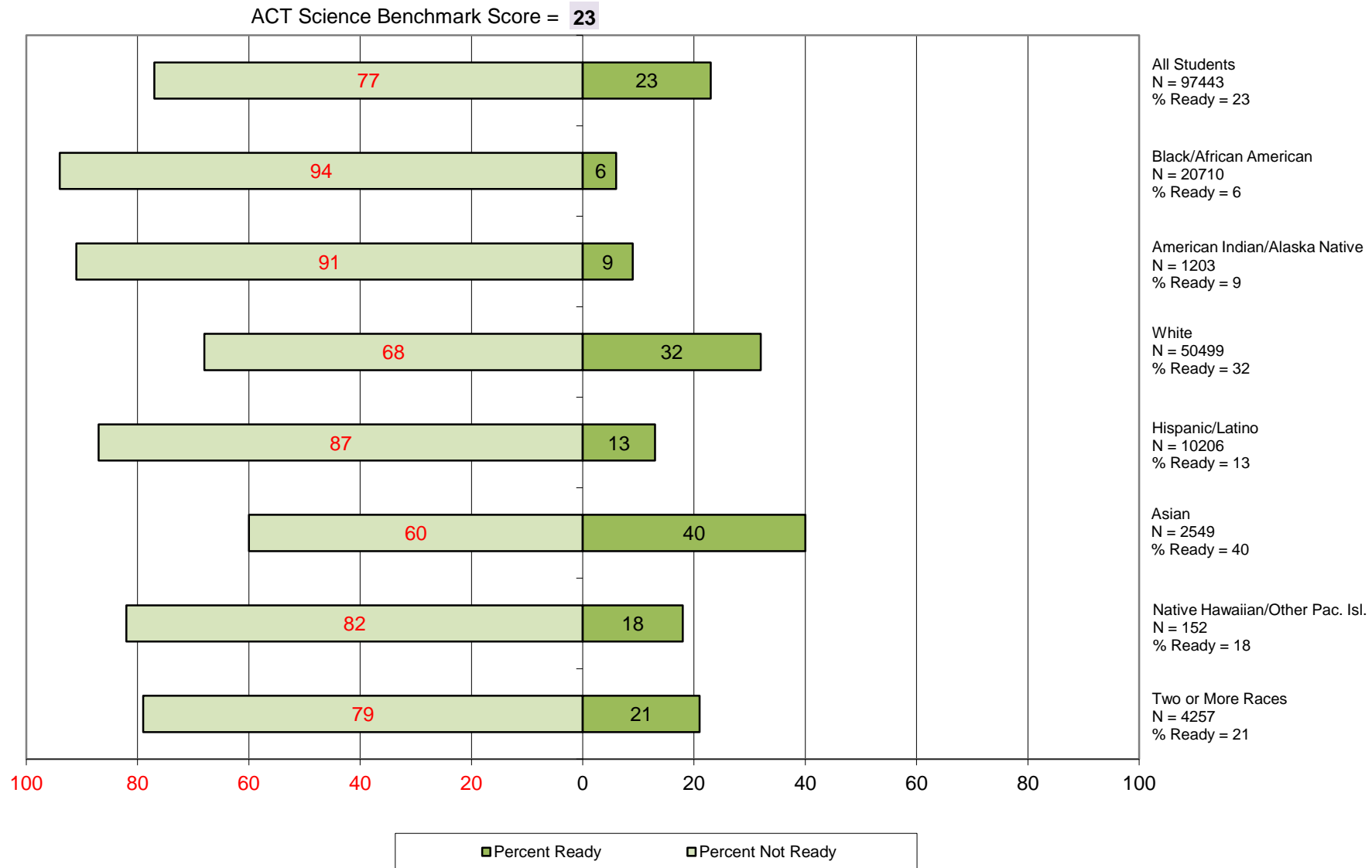
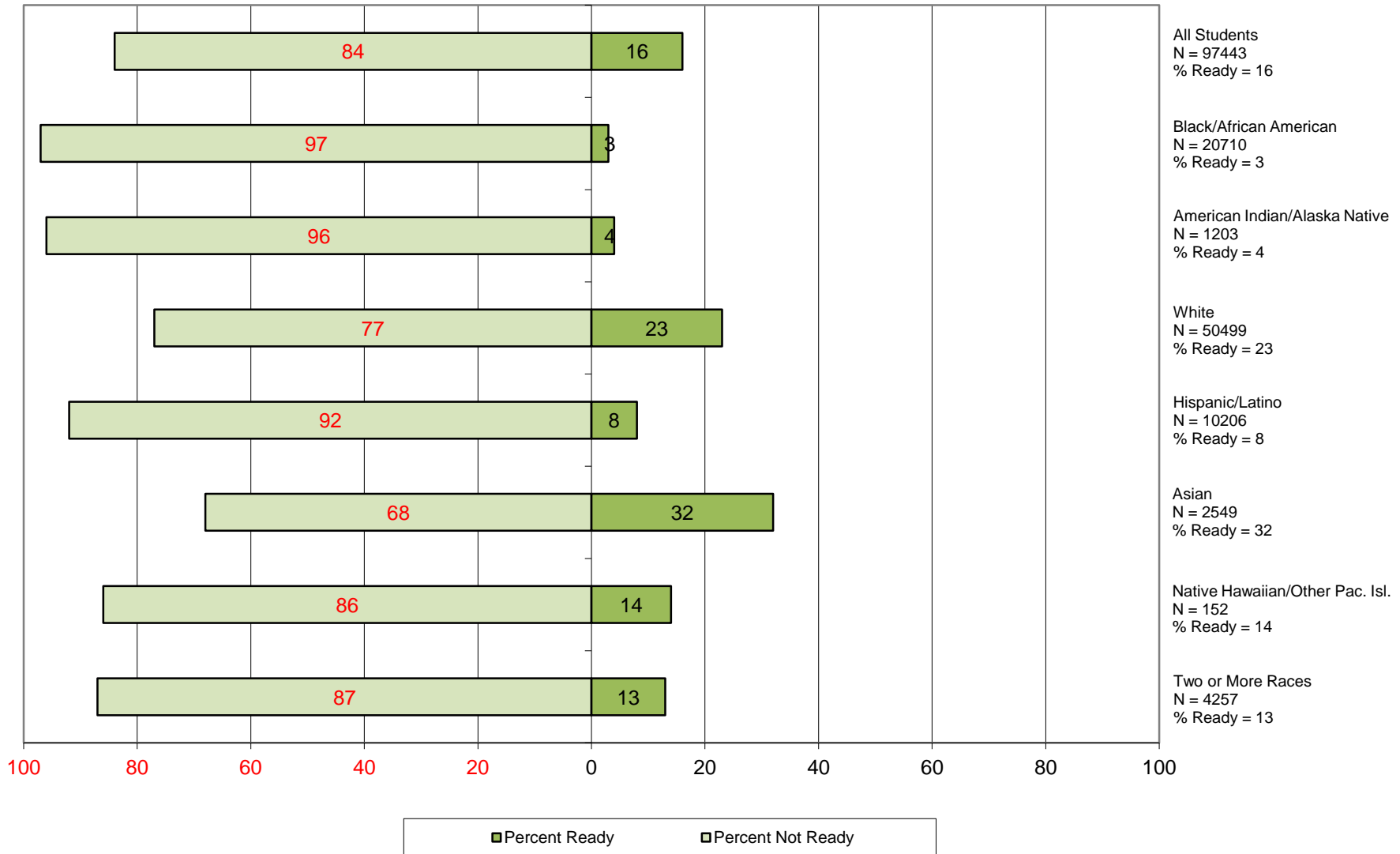


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR





Total Students in Report: 97,443

**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	11,011	11	21.1	7.2	4,240	9	20.2	6.7	6,495	14	21.8	7.3
Eng 9, Eng 10, Eng 11, Eng 12	69,615	71	17.7	3.8	33,086	72	17.2	3.7	34,640	72	18.4	3.9
Less than 4 years of English	12,472	13	13.9	-	6,688	15	13.5	-	5,252	11	14.5	-
Zero years / no English courses reported	4,345	4	15.1	-	1,756	4	14.0	-	1,450	3	15.7	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	2,327	2	22.2	6.3	1,112	2	22.2	6.4	1,152	2	22.2	6.3
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,097	4	21.6	5.7	1,610	4	22.0	6.2	2,369	5	21.4	5.5
Alg 1, Alg 2, Geom, & Trig	3,223	3	18.1	2.2	1,575	3	18.2	2.4	1,543	3	18.0	2.1
Alg 1, Alg 2, Geom, & Other Adv Math	38,941	40	18.8	2.9	16,985	37	19.0	3.2	20,889	44	18.7	2.8
Other comb of 4 or more years of Math	22,679	23	23.3	7.4	11,170	24	23.8	8.0	10,966	23	22.8	6.9
Alg 1, Alg 2, & Geom	11,509	12	16.6	0.7	6,221	14	16.7	0.9	4,878	10	16.6	0.7
Other comb of 3 or 3.5 years of Math	4,883	5	18.4	2.5	2,397	5	18.6	2.8	2,322	5	18.2	2.3
Less than 3 years of Math	5,148	5	15.9	-	2,799	6	15.8	-	2,135	4	15.9	-
Zero years / no Math courses reported	4,636	5	17.9	-	1,901	4	17.6	-	1,583	3	17.7	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	3,584	4	20.4	5.1	1,916	4	20.1	5.1	1,585	3	20.8	5.2
Other comb of 4 or more years Social Science	27,483	28	22.1	6.8	11,552	25	21.9	6.9	15,252	32	22.3	6.7
US Hist, World Hist, & Am Gov	22,068	23	17.1	1.8	11,480	25	16.9	1.9	9,989	21	17.5	1.9
Other comb of 3 or 3.5 years of Social Science	27,526	28	19.2	3.9	12,466	27	18.9	3.9	14,178	30	19.5	3.9
Less than 3 years of Social Science	11,765	12	15.3	-	6,213	14	15.0	-	5,133	11	15.6	-
Zero years / no Social Science courses reported	5,017	5	16.6	-	2,143	5	15.8	-	1,700	4	16.9	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	22,395	23	21.3	5.2	11,840	26	21.8	5.8	9,926	21	20.8	4.6
Bio, Chem, Phys	903	1	24.1	8.0	465	1	24.5	8.5	422	1	23.8	7.6
Gen Sci <sup>2</sup> , Bio, Chem	40,892	42	19.6	3.5	16,506	36	19.6	3.6	23,390	49	19.7	3.5
Other comb of 3 years of Natural Science	5,302	5	17.1	1.0	2,977	7	17.4	1.4	2,140	4	16.8	0.6
Less than 3 years of Natural Science	22,955	24	16.1	-	11,888	26	16.0	-	10,226	21	16.2	-
Zero years / no Natural Science courses reported	4,996	5	17.1	-	2,094	5	16.8	-	1,733	4	17.0	-

<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.

Total Students in Report: 97,443

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

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark	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	11,011	11	21.1	70	370,875	20	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	69,615	71	17.7	48	1,305,220	71	20.5	65
Less than 4 years of English	12,472	13	13.9	23	88,420	5	15.9	36
Zero years / no English courses reported	4,345	4	15.1	32	81,272	4	16.3	38
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	2,327	2	22.2	55	118,677	6	23.8	67
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,097	4	21.6	53	157,764	9	21.8	55
Alg 1, Alg 2, Geom, & Trig	3,223	3	18.1	19	120,160	7	19.3	30
Alg 1, Alg 2, Geom, & Other Adv Math	38,941	40	18.8	25	356,555	19	19.4	31
Other comb of 4 or more years of Math	22,679	23	23.3	63	622,896	34	23.7	65
Alg 1, Alg 2, & Geom	11,509	12	16.6	9	220,037	12	17.1	11
Other comb of 3 or 3.5 years of Math	4,883	5	18.4	23	90,105	5	19.8	35
Less than 3 years of Math	5,148	5	15.9	6	74,627	4	16.4	8
Zero years / no Math courses reported	4,636	5	17.9	21	84,966	5	17.8	19
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	3,584	4	20.4	38	48,992	3	22.3	50
Other comb of 4 or more years Social Science	27,483	28	22.1	50	921,129	50	22.2	50
US Hist, World Hist, & Am Gov	22,068	23	17.1	18	105,110	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	27,526	28	19.2	30	504,877	27	21.3	43
Less than 3 years of Social Science	11,765	12	15.3	10	180,385	10	19.4	32
Zero years / no Social Science courses reported	5,017	5	16.6	18	85,294	5	17.8	24
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	22,395	23	21.3	41	781,043	42	22.1	46
Bio, Chem, Phys	903	1	24.1	63	199,419	11	23.1	54
Gen Sci <sup>1</sup> , Bio, Chem	40,892	42	19.6	25	505,460	27	20.0	28
Other comb of 3 years of Natural Science	5,302	5	17.1	11	52,236	3	19.2	24
Less than 3 years of Natural Science	22,955	24	16.1	5	220,701	12	18.1	17
Zero years / no Natural Science courses reported	4,996	5	17.1	14	86,928	5	17.7	17

<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.

Total Students in Report: 97,443

**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	1,768	2	17.8	391	4	15.1	1,283	2	18.8
Architecture	1,101	1	18.7	111	1	15.2	951	1	19.1
Area, Ethnic, & Multidisciplinary Studies	159	0	20.2	18	0	15.9	127	0	21.2
Arts: Visual & Performing	8,124	8	18.4	1,023	10	15.3	6,620	9	19.0
Business	6,919	7	19.5	680	7	15.3	5,994	8	20.0
Communications	1,625	2	20.2	95	1	15.4	1,478	2	20.5
Community, Family, & Personal Services	5,229	5	16.5	1,296	13	15.2	3,638	5	17.1
Computer Science & Mathematics	2,361	2	20.7	197	2	16.2	2,075	3	21.1
Education	3,883	4	19.1	284	3	14.9	3,484	5	19.5
Engineering	6,873	7	20.9	619	6	15.1	5,952	8	21.6
Engineering Technology & Drafting	1,671	2	18.0	357	3	15.2	1,229	2	18.9
English & Foreign Languages	987	1	22.0	54	1	16.4	877	1	22.4
Health Administration & Assisting	2,145	2	16.6	325	3	15.3	1,732	2	16.9
Health Sciences & Technologies	20,640	21	19.2	1,494	14	15.8	18,556	25	19.5
Philosophy, Religion, & Theology	443	0	20.3	23	0	15.5	396	1	20.7
Repair, Production, & Construction	1,979	2	16.1	936	9	15.5	909	1	16.9
Sciences: Biological & Physical	4,853	5	22.5	109	1	15.7	4,577	6	22.7
Social Sciences & Law	7,592	8	20.2	273	3	15.6	7,032	9	20.4
Undecided	6,305	6	20.3	646	6	15.2	4,857	7	21.1
No Response	12,136	12	15.6	1,240	12	13.7	2,201	3	15.5

<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).

Total Students in Report: 97,443

**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	2,321	14.9	581	13.4	43	14.7	1,117	15.8	279	14.4
2-yr College Degree	8,027	15.2	1,737	13.7	149	14.5	3,990	16.2	1,164	14.7
Bachelors Degree	40,412	18.4	9,124	15.4	451	16.5	21,565	20.0	4,140	17.1
Graduate Study	13,477	21.9	2,072	17.6	107	18.5	8,211	23.3	1,135	19.7
Prof. Level Degree	20,479	21.2	4,473	17.8	238	18.5	10,152	22.9	2,137	19.2
Other	2,441	15.9	503	14.2	53	15.0	1,172	17.0	312	14.3
No Response	10,286	16.8	2,220	14.3	162	15.1	4,292	18.3	1,039	15.2

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	2,321	14.9	34	14.9	4	13.5	62	15.4	201	14.4
2-yr College Degree	8,027	15.2	99	14.6	12	13.4	303	15.6	573	14.5
Bachelors Degree	40,412	18.4	740	19.0	68	17.8	1,783	18.1	2,541	17.7
Graduate Study	13,477	21.9	452	23.3	19	19.7	570	21.0	911	21.9
Prof. Level Degree	20,479	21.2	937	24.4	25	21.1	1,071	20.5	1,446	21.2
Other	2,441	15.9	68	16.7	6	16.8	105	16.5	222	16.1
No Response	10,286	16.8	219	18.4	18	15.1	363	16.7	1,973	17.0

Total Students in Report: 97,443

**Table 4.3. Students' Score Report Preferences at Time of Testing**

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
NORTH CAROLINA STATE UNIV AT RALEIGH	North Carolina	18,719	7,218	11,501	3	12	25	27	21	10	1
EAST CAROLINA UNIVERSITY	North Carolina	17,654	5,522	12,132	6	20	36	26	10	2	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	15,636	15,635	1	12	27	28	17	10	5	1
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	15,112	5,572	9,540	4	11	22	26	22	14	2
APPALACHIAN STATE UNIVERSITY	North Carolina	14,217	4,775	9,442	3	12	29	32	18	6	0
UNIV OF NORTH CAROLINA AT CHARLOTTE	North Carolina	11,714	2,987	8,727	4	16	33	28	15	4	0
UNIV OF NORTH CAROLINA AT WILMINGTON	North Carolina	11,357	2,837	8,520	2	10	29	34	19	5	0
UNIV OF NORTH CAROLINA AT GREENSBORO	North Carolina	6,926	1,402	5,524	5	19	34	25	12	4	0
WESTERN CAROLINA UNIVERSITY	North Carolina	6,078	1,628	4,450	3	15	37	29	12	3	0
DUKE UNIVERSITY	North Carolina	5,616	1,385	4,231	6	16	23	21	16	14	3
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	4,566	1,379	3,187	14	35	36	12	3	1	0
WAKE FOREST UNIVERSITY	North Carolina	4,123	657	3,466	6	17	25	22	18	11	1
NORTH CAROLINA CENTRAL UNIVERSITY	North Carolina	3,902	921	2,981	14	36	36	11	2	0	0
WINSTON-SALEM STATE UNIVERSITY	North Carolina	3,296	759	2,537	13	37	38	10	2	0	0
UNIV OF NORTH CAROLINA AT PEMBROKE	North Carolina	2,763	608	2,155	7	25	39	22	6	1	0
UNIV OF NORTH CAROLINA AT ASHEVILLE	North Carolina	2,501	498	2,003	2	12	26	31	21	9	0
ART INSTITUTE OF CHARLOTTE THE	North Carolina	2,465	843	1,622	10	30	36	18	6	1	0
CAMPBELL UNIVERSITY	North Carolina	2,366	617	1,749	4	16	32	28	15	4	0
STATE-NO COLLEGE PLANS	Iowa	2,316	2,316	0	32	41	19	6	2	0	0
CLEMSON UNIVERSITY	South Carolina	2,144	428	1,716	3	11	19	24	25	17	2
FAYETTEVILLE STATE UNIVERSITY	North Carolina	2,105	490	1,615	17	41	32	8	2	0	0
WAKE TECHNICAL COMMUNITY COLLEGE	North Carolina	2,088	671	1,417	11	27	36	17	7	2	0
ELON UNIVERSITY	North Carolina	1,882	384	1,498	3	13	22	26	23	12	1
LENOIR-RHYNE UNIVERSITY	North Carolina	1,840	310	1,530	4	19	37	26	11	3	0
HIGH POINT UNIVERSITY	North Carolina	1,794	394	1,400	7	21	31	22	15	4	0
WINGATE UNIVERSITY	North Carolina	1,563	272	1,291	4	18	34	27	13	3	0
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	1,535	325	1,210	1	3	11	25	37	21	2
JOHNSON & WALES UNIVERSITY-CHARLOTTE	North Carolina	1,483	568	915	12	36	34	13	4	1	0
CAPE FEAR COMMUNITY COLLEGE	North Carolina	1,421	471	950	7	29	40	19	4	0	0
GREENSBORO COLLEGE	North Carolina	1,375	306	1,069	12	34	34	13	6	1	0
All Other Institutions		95,667	25,676	69,991	9	25	29	19	11	6	1
<b>Total</b>		<b>266,224</b>	<b>87,854</b>	<b>178,370</b>	<b>7</b>	<b>21</b>	<b>30</b>	<b>22</b>	<b>13</b>	<b>6</b>	<b>1</b>

# 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		Average ACT Scores					
	State	National	English		Essay		English/Writing Combined	
			State	National	State	National	State	National
<b>All Students</b>	<b>94,064</b>	<b>976,031</b>	<b>17.5</b>	<b>21.3</b>	<b>6.1</b>	<b>7.1</b>	<b>16.9</b>	<b>20.6</b>
Black/African American	19,812	114,263	13.9	16.4	5.4	6.3	13.6	16.3
American Indian/Alaska Native	1,173	6,408	14.6	16.8	5.4	6.2	14.1	16.5
White	48,805	520,054	19.6	23.1	6.4	7.3	18.7	22.1
Hispanic/Latino	9,957	167,575	15.3	18.5	5.9	6.9	15.1	18.4
Asian	2,458	61,663	20.0	23.7	6.8	7.7	19.4	22.9
Native Hawaiian/Other Pac. Isl.	143	3,742	16.4	17.7	5.9	6.6	15.9	17.6
Two or more races	4,110	39,565	17.5	21.4	6.0	7.1	16.8	20.7
Prefer not/No Response	7,606	62,761	16.8	21.6	5.9	7.1	16.2	20.9
Males	43,933	438,500	16.8	21.1	5.7	6.9	16.0	20.2
Females	46,367	530,240	18.3	21.6	6.4	7.3	17.8	21.1
Missing	3,764	7,291	16.2	16.0	5.8	5.9	15.7	15.7





