



Profile Report - State

Graduating Class 2015

North Carolina



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This report provides information about the performance of your 2015 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 2015. 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.

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

How to Improve Scores and Increase College Readiness

18% 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: 100,557 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. 62% 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, 7% were college ready. 12% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 8% of these students were college ready. In comparison, 38% 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 22% of the cohort took less than three years of natural science courses. 6% of these students were college ready. In comparison, 32% 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.

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.

Section I

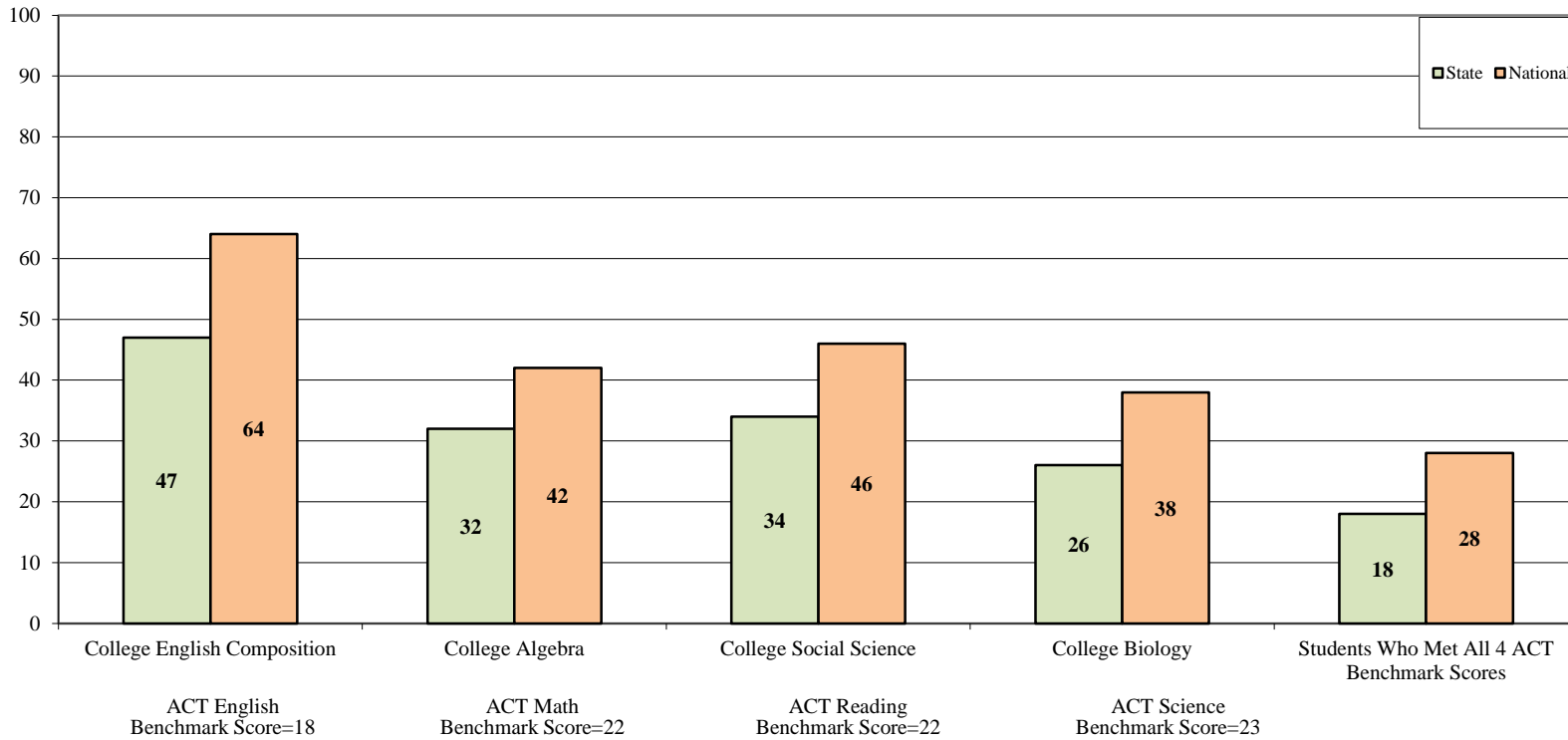
Executive Summary

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: 100,557

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
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
2014	97,443	1,845,787	47	64	33	43	30	44	23	37	16	26
2015	100,557	1,924,436	47	64	32	42	34	46	26	38	18	28

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
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
2014	97,443	1,845,787	17.5	20.3	19.6	20.9	19.0	21.3	18.9	20.8	18.9	21.0
2015	100,557	1,924,436	17.6	20.4	19.5	20.8	19.2	21.4	19.0	20.9	19.0	21.0

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2014	1,845,787	20.3	20.9	21.3	20.8	21.0
2015	1,924,436	20.4	20.8	21.4	20.9	21.0

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
	Core or More ¹	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
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
2014	58,949	32,678	60	34	19.6	14.2	21.1	17.2	20.9	16.0	20.5	16.6	20.6	16.1
2015	61,898	32,919	62	33	19.7	14.3	21.0	17.2	21.1	16.3	20.6	16.5	20.7	16.2

¹"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.

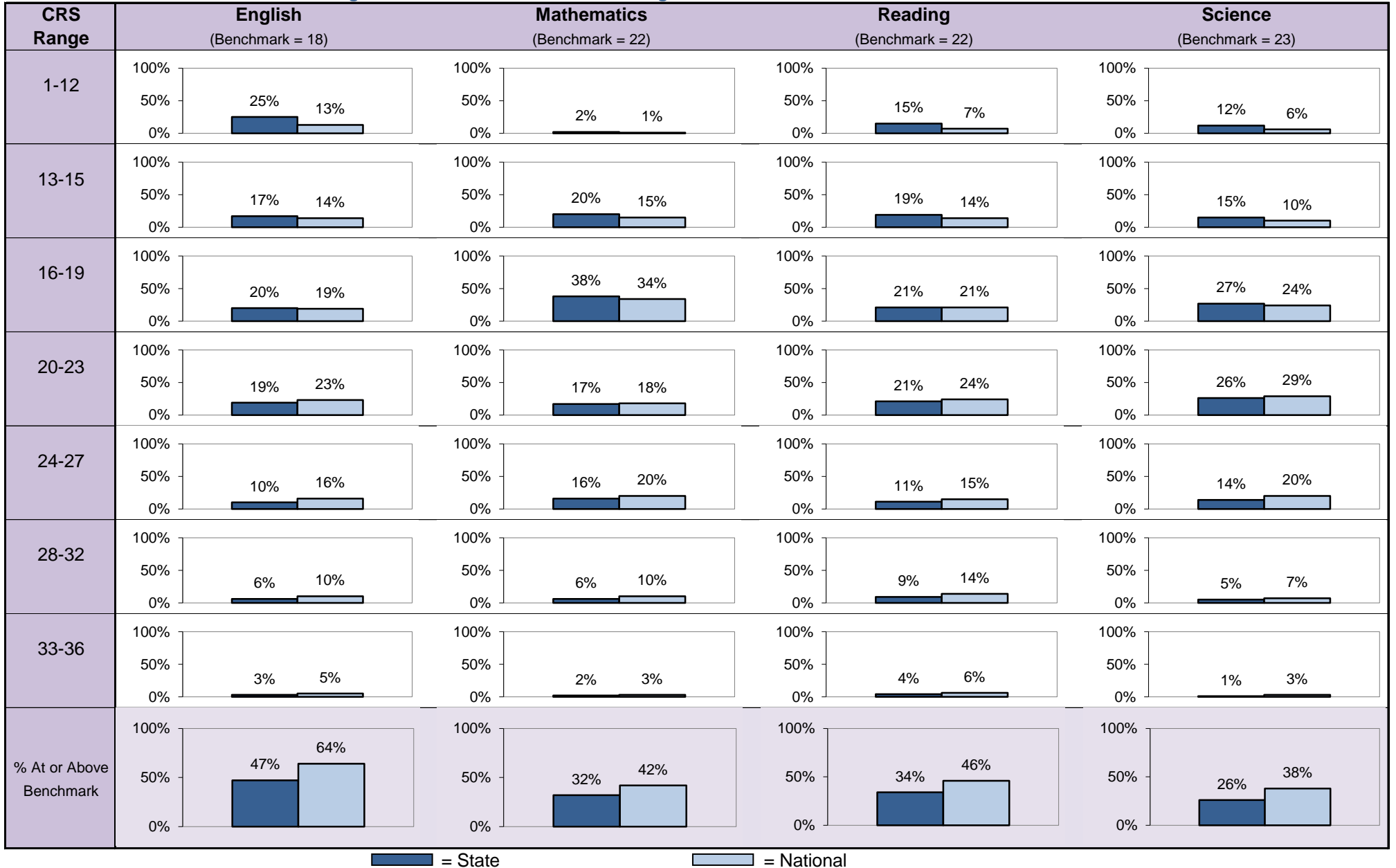
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2011			2012			2013			2014			2015		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	16,736	100	21.9	18,817	100	21.9	95,782	100	18.7	97,443	100	18.9	100,557	100	19.0
Black/African American	3,606	22	17.4	4,107	22	17.2	20,927	22	15.6	20,710	21	15.8	21,055	21	15.9
American Indian/Alaska Native	138	1	18.6	164	1	19.4	1,119	1	16.2	1,203	1	16.5	1,230	1	16.6
White	10,435	62	23.5	11,423	61	23.4	50,942	53	20.3	50,499	52	20.5	51,046	51	20.7
Hispanic/Latino	819	5	20.8	1,168	6	20.9	9,428	10	17.0	10,206	10	17.2	11,128	11	17.3
Asian	594	4	24.6	642	3	24.8	2,403	3	21.0	2,549	3	21.4	2,723	3	21.9
Native Hawaiian/Other Pacific Islander	5	0	19.4	24	0	21.3	159	0	17.4	152	0	17.8	176	0	18.1
Two or more races	478	3	21.1	607	3	21.5	3,774	4	18.6	4,257	4	18.7	4,559	5	18.9
Prefer not to respond/No response	661	4	23.2	682	4	23.3	7,030	7	18.2	7,867	8	18.3	8,640	9	17.9

Total Students in Report: 100,557

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



Total Students in Report: 100,557

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	95,526	95	17.8	19.7	19.4	19.1	19.1
	Extended Time	5,031	5	14.2	17.1	16.5	16.5	16.2
	Total	100,557	100	17.6	19.5	19.2	19.0	19.0
National	Standard Time	1,838,433	96	20.6	21.0	21.5	21.1	21.2
	Extended Time	86,003	4	16.5	18.1	18.8	18.3	18.1
	Total	1,924,436	100	20.4	20.8	21.4	20.9	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	49	33	34	26	18
	Extended Time	24	14	21	12	8
	Total	47	32	34	26	18
National	Standard Time	65	43	47	39	28
	Extended Time	38	22	32	23	16
	Total	64	42	46	38	28

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: 100,557

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	178	100	242	100	676	100	260	100	50	100	36
35	723	100	352	100	529	99	414	100	216	100	35
34	977	99	567	99	1,180	99	475	99	421	100	34
33	936	98	464	99	1,576	98	335	99	611	99	33
32	1,002	97	701	98	1,555	96	678	99	841	99	32
31	1,094	96	722	98	1,707	95	578	98	1,035	98	31
30	1,012	95	968	97	1,957	93	863	97	1,307	97	30
29	1,086	94	1,317	96	1,837	91	1,017	96	1,648	96	29
28	1,793	93	2,265	95	2,084	89	1,542	95	2,017	94	28
27	1,725	91	3,042	92	2,123	87	1,798	94	2,449	92	27
26	2,349	90	3,575	89	2,296	85	3,370	92	2,901	89	26
25	3,066	87	4,207	86	2,529	83	4,636	89	3,478	87	25
24	3,373	84	5,078	82	3,735	80	3,935	84	3,837	83	24
23	3,832	81	5,132	77	4,640	76	5,918	80	4,560	79	23
22	4,156	77	3,510	72	5,513	72	5,576	74	4,963	75	22
21	5,328	73	4,692	68	4,257	66	7,081	69	5,600	70	21
20	5,342	68	3,853	63	7,095	62	7,718	62	6,053	64	20
19	4,889	62	5,712	60	4,250	55	7,776	54	6,282	58	19
18	4,794	57	7,076	54	5,926	51	5,765	46	6,652	52	18
17	4,423	53	10,065	47	5,548	45	5,231	41	7,205	45	17
16	6,000	48	15,150	37	5,742	39	8,075	35	7,270	38	16
15	7,292	42	12,197	22	6,305	34	6,646	27	7,312	31	15
14	5,451	35	5,726	10	6,464	27	3,702	21	7,321	24	14
13	4,542	30	2,293	4	6,119	21	4,614	17	6,791	16	13
12	3,773	25	1,015	2	5,813	15	4,210	12	5,162	10	12
11	4,807	21	302	1	3,322	9	2,995	8	2,791	5	11
10	5,018	17	161	1	3,160	6	2,418	5	1,042	2	10
9	4,275	12	63	1	1,090	3	1,562	3	414	1	9
8	3,574	7	29	1	347	2	648	1	186	1	8
7	2,091	4	30	1	483	1	265	1	91	1	7
6	865	2	32	1	348	1	230	1	29	1	6
5	501	1	0	1	105	1	53	1	15	1	5
4	166	1	13	1	109	1	71	1	3	1	4
3	81	1	0	1	68	1	45	1	4	1	3
2	17	1	0	1	49	1	21	1	0	1	2
1	26	1	6	1	20	1	36	1	0	1	1
Avg (SD)	17.6 (6.7)		19.5 (5.0)		19.2 (6.5)		19.0 (5.5)		19.0 (5.4)		Avg (SD)

¹CP 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: 100,557

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), 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	2,196	100	866	100	2,079	100	3,009	100	2,283	100	596	100	452	100	18
17	3,096	98	918	99	3,004	98	4,177	97	2,495	98	491	99	271	100	17
16	2,260	95	2,792	98	3,072	95	5,043	93	3,813	95	1,443	99	2,173	99	16
15	2,932	92	4,063	95	4,145	92	4,206	88	4,334	91	2,941	97	2,938	97	15
14	3,548	90	4,251	91	3,736	88	5,597	84	4,762	87	5,962	95	5,281	94	14
13	3,292	86	4,925	87	6,061	84	5,559	78	7,454	82	8,164	89	7,561	89	13
12	5,131	83	6,854	82	7,597	78	5,904	73	7,559	75	6,414	81	7,448	81	12
11	7,185	78	9,318	75	7,293	70	6,161	67	8,245	67	13,016	74	8,843	74	11
10	10,116	71	8,885	66	11,769	63	6,724	61	8,108	59	14,538	61	17,038	65	10
9	7,655	60	11,937	57	9,446	52	9,149	54	8,928	51	14,913	47	12,134	48	9
8	8,402	53	10,141	45	10,078	42	10,336	45	14,166	42	12,252	32	13,443	36	8
7	8,716	44	9,515	35	12,299	32	7,195	34	13,552	28	8,148	20	9,638	23	7
6	8,523	36	6,687	26	8,842	20	9,920	27	8,601	15	4,757	12	3,748	13	6
5	9,191	27	6,739	19	5,889	11	8,138	17	3,577	6	2,328	7	3,878	10	5
4	7,354	18	7,660	13	2,227	5	5,999	9	1,817	3	1,548	5	2,031	6	4
3	6,913	11	3,541	5	1,259	3	2,058	3	618	1	1,900	3	1,871	4	3
2	3,136	4	1,204	1	1,121	2	1,273	1	204	1	476	1	971	2	2
1	911	1	261	1	640	1	109	1	41	1	670	1	838	1	1
Avg (SD)	8.5 (4.1)		9.0 (3.6)		9.6 (3.7)		9.7 (4.1)		10.0 (3.5)		9.8 (3.0)		9.6 (3.1)		Avg (SD)

¹CP 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	23	23
Q2 (50th Percentile)	17	18	18	19	18
Q1 (25th Percentile)	12	16	14	15	15

Total Students in Report: 100,557

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 ¹	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	100,557	62	20.7	16.2
	Black/African American	21,055	49	17.3	14.7
	American Indian/Alaska Native	1,230	51	18.0	15.2
	White	51,046	69	22.0	17.5
	Hispanic/Latino	11,128	56	18.8	15.4
	Asian	2,723	73	23.5	17.8
	Native Hawaiian/Other Pac. Isl.	176	59	19.6	16.2
	Two or more races	4,559	64	20.2	16.6
	Prefer not/No Response	8,640	48	20.2	15.5
National	All Students	1,924,436	72	21.9	18.9
	Black/African American	252,566	67	17.8	15.9
	American Indian/Alaska Native	14,711	61	19.0	16.5
	White	1,057,803	76	23.2	20.2
	Hispanic/Latino	299,920	71	19.6	17.4
	Asian	87,499	79	24.5	22.0
	Native Hawaiian/Other Pac. Isl.	6,090	62	20.3	16.5
	Two or more races	76,066	73	22.0	19.3
	Prefer not/No Response	129,781	54	22.6	18.5

¹"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	All Students	17.6	19.5	19.2	19.0	19.0
	Black/African American	14.0	16.9	16.0	16.3	15.9
	American Indian/Alaska Native	14.7	17.6	16.8	16.8	16.6
	White	19.7	20.9	21.0	20.5	20.7
	Hispanic/Latino	15.4	18.2	17.5	17.7	17.3
	Asian	20.4	23.5	21.5	21.9	21.9
	Native Hawaiian/Other Pac. Isl.	16.6	18.9	18.3	18.0	18.1
	Two or more races	17.7	19.2	19.4	18.9	18.9
	Prefer not/No Response	16.3	18.7	18.1	17.9	17.9
National	All Students	20.4	20.8	21.4	20.9	21.0
	Black/African American	15.9	17.2	17.4	17.3	17.1
	American Indian/Alaska Native	16.6	18.1	18.4	18.2	17.9
	White	22.1	21.9	22.9	22.2	22.4
	Hispanic/Latino	17.8	19.1	19.2	19.0	18.9
	Asian	23.0	25.0	23.3	23.6	23.9
	Native Hawaiian/Other Pac. Isl.	17.7	19.2	18.9	18.8	18.8
	Two or more races	20.7	20.8	21.8	21.1	21.2
	Prefer not/No Response	19.9	20.5	21.1	20.5	20.6

Total Students in Report: 100,557

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	2,814	3	1,625	2	3,961	4	1,484	1
	28 to 32	5,987	6	5,973	6	9,140	9	4,678	5
	24 to 27	10,513	10	15,902	16	10,683	11	13,739	14
	20 to 23	18,658	19	17,187	17	21,505	21	26,293	26
	16 to 19	20,106	20	38,003	38	21,466	21	26,847	27
	13 to 15	17,285	17	20,216	20	18,888	19	14,962	15
	01 to 12	25,194	25	1,651	2	14,914	15	12,554	12
National	33 to 36	100,774	5	54,201	3	114,663	6	62,731	3
	28 to 32	198,676	10	185,515	10	261,565	14	140,666	7
	24 to 27	303,299	16	384,130	20	281,364	15	388,063	20
	20 to 23	444,997	23	352,854	18	463,232	24	559,967	29
	16 to 19	357,690	19	646,399	34	409,189	21	462,353	24
	13 to 15	277,710	14	283,831	15	264,288	14	200,383	10
	01 to 12	241,290	13	17,506	1	130,135	7	110,273	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	47,232	47	17.0	19.8	18.8	19.0	18.7
	Females	49,210	49	18.5	19.5	19.8	19.2	19.4
	Missing	4,115	4	15.1	18.0	16.9	17.1	16.9
National	Males	895,775	47	20.0	21.3	21.2	21.3	21.1
	Females	1,013,212	53	20.8	20.4	21.6	20.6	21.0
	Missing	15,449	1	15.7	17.7	17.6	17.5	17.3

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	43	34	32	27	19
	Females	53	31	37	25	18
National	Males	61	46	45	42	30
	Females	66	39	47	36	26

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

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	61,898	61	19.7	44	21.0	45	21.1	36	20.6	26	20.7
	Less than Core	32,919	25	14.3	13	17.2	16	16.3	9	16.5	5	16.2
	Missing ³	5,740	27	14.2	17	17.3	18	16.2	12	16.4	8	16.2
National	Core or More	1,389,338	71	21.4	49	21.7	52	22.3	44	21.8	33	21.9
	Less than Core	424,562	48	18.0	27	18.9	32	19.3	24	19.0	16	18.9
	Missing	110,536	38	16.3	19	17.8	25	18.0	19	17.8	11	17.6

¹ "Curriculum Taken" reflects overall high school curriculum in this table.

² "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.

³ Zero years or no coursework information reported in one or more content areas.

⁴ 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 ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More ²	83,246	52	18.4	90,602	34	19.9	82,894	38	19.9	73,888	32	20.1
	Less than Core	13,069	24	13.8	5,273	7	15.9	12,868	14	15.7	21,820	6	15.9
	Missing ³	4,242	31	14.7	4,682	18	17.5	4,795	18	16.4	4,849	14	16.7
National	Core or More	1,732,463	67	20.8	1,743,121	45	21.2	1,627,689	49	21.8	1,592,830	42	21.5
	Less than Core	93,944	36	15.9	78,951	8	16.3	194,720	34	19.5	227,926	18	18.1
	Missing	98,029	40	16.5	102,364	20	17.8	102,027	26	18.1	103,680	20	18.0

¹ "Curriculum Taken" reflects content-specific curriculum in this table.

² "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.

³ 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

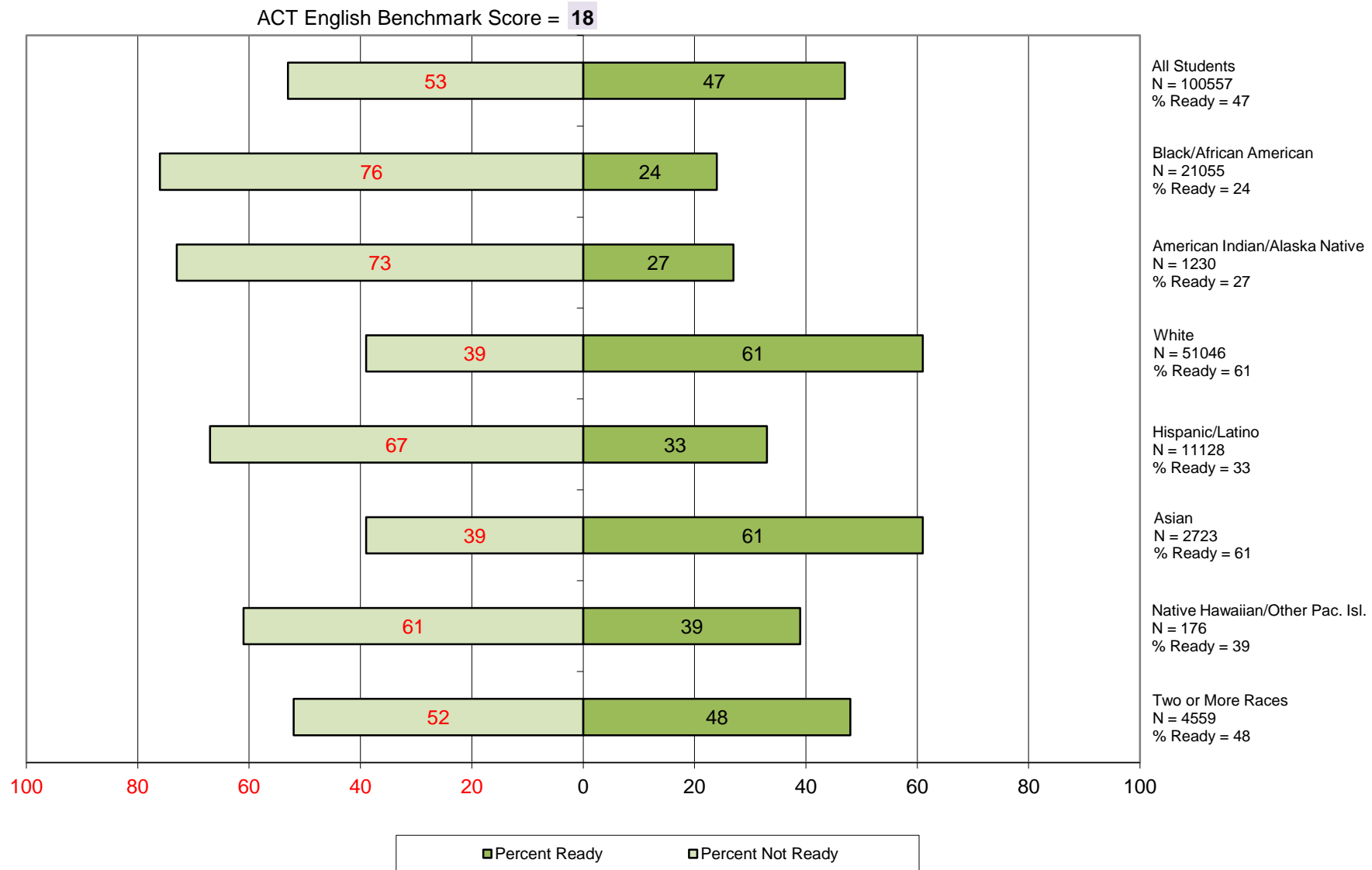


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

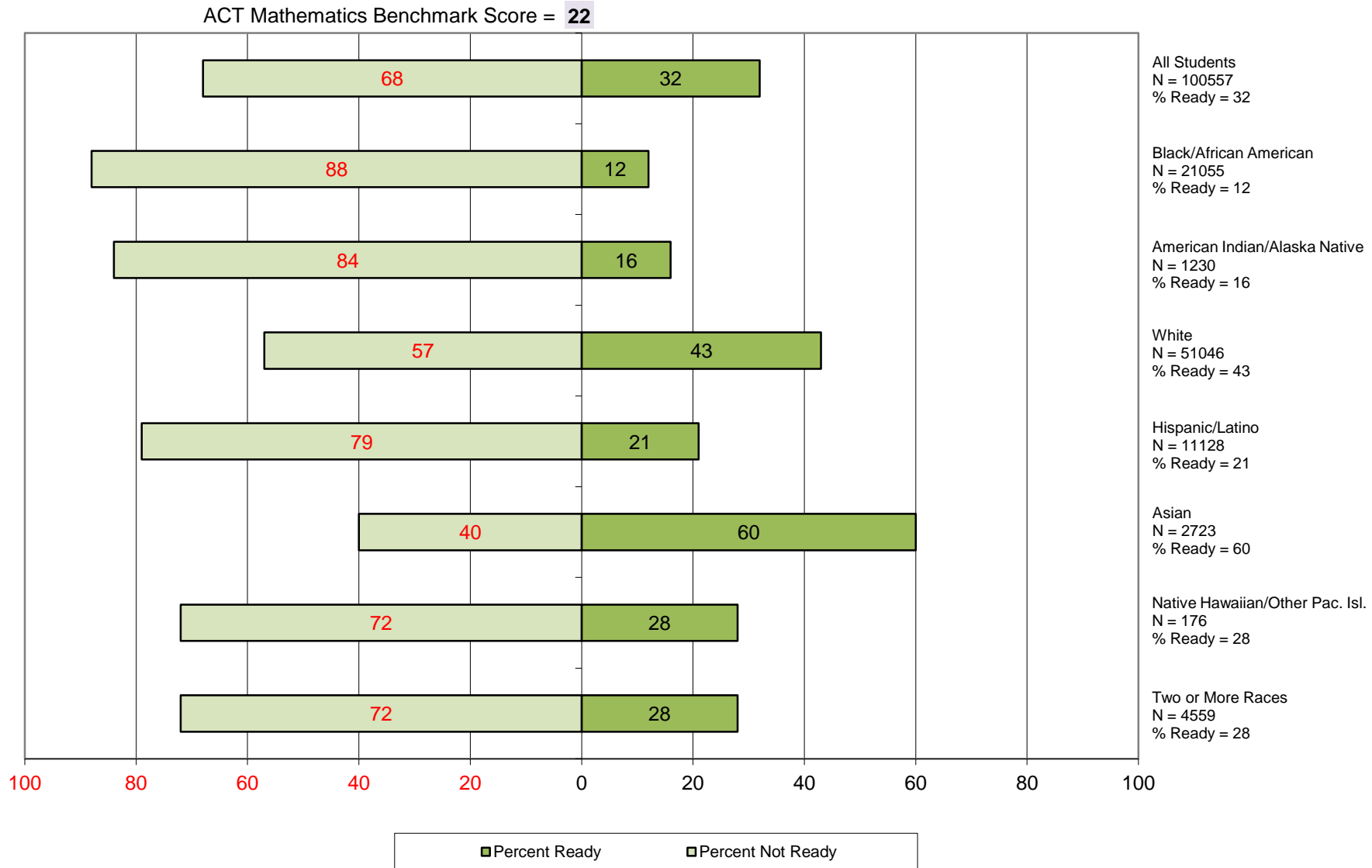


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

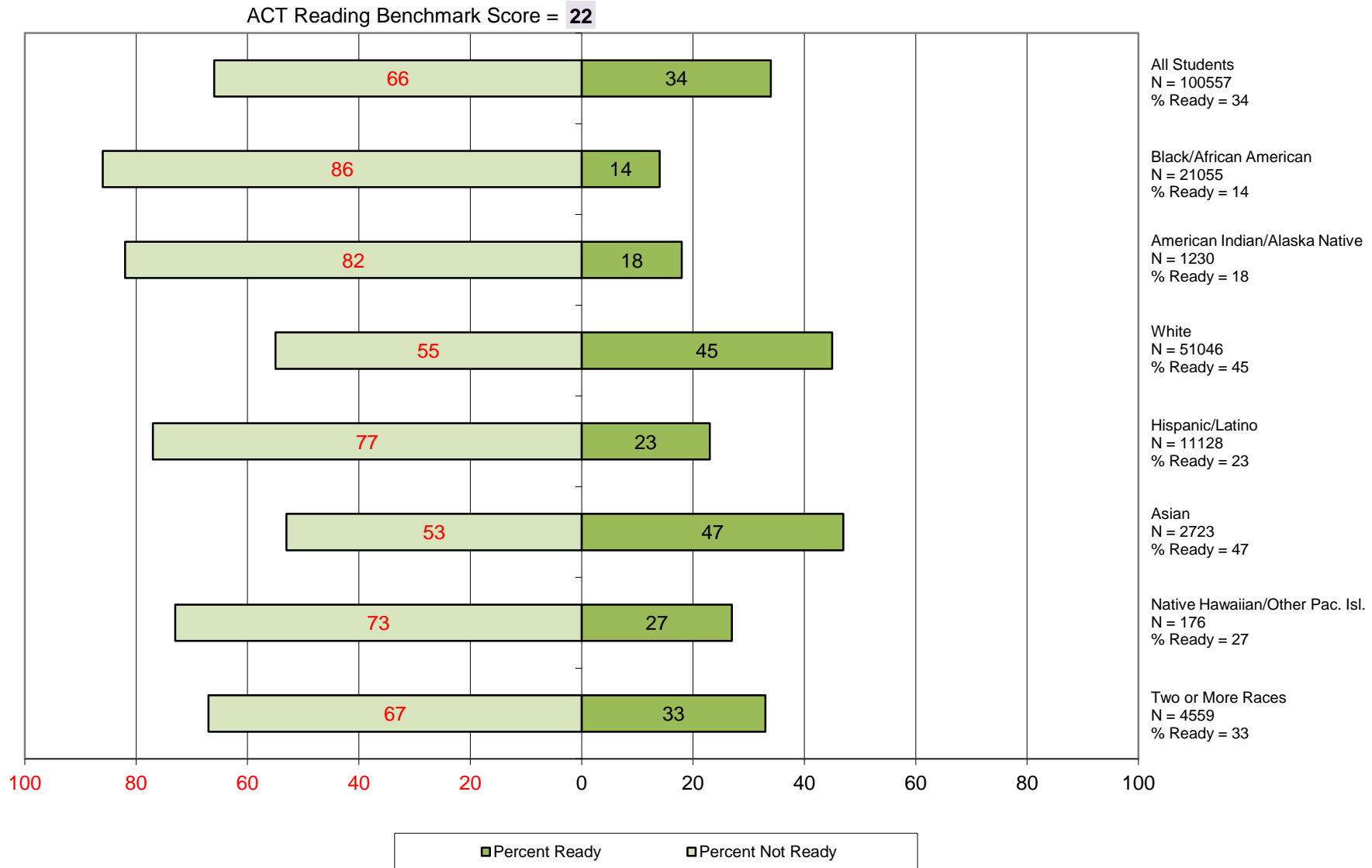


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

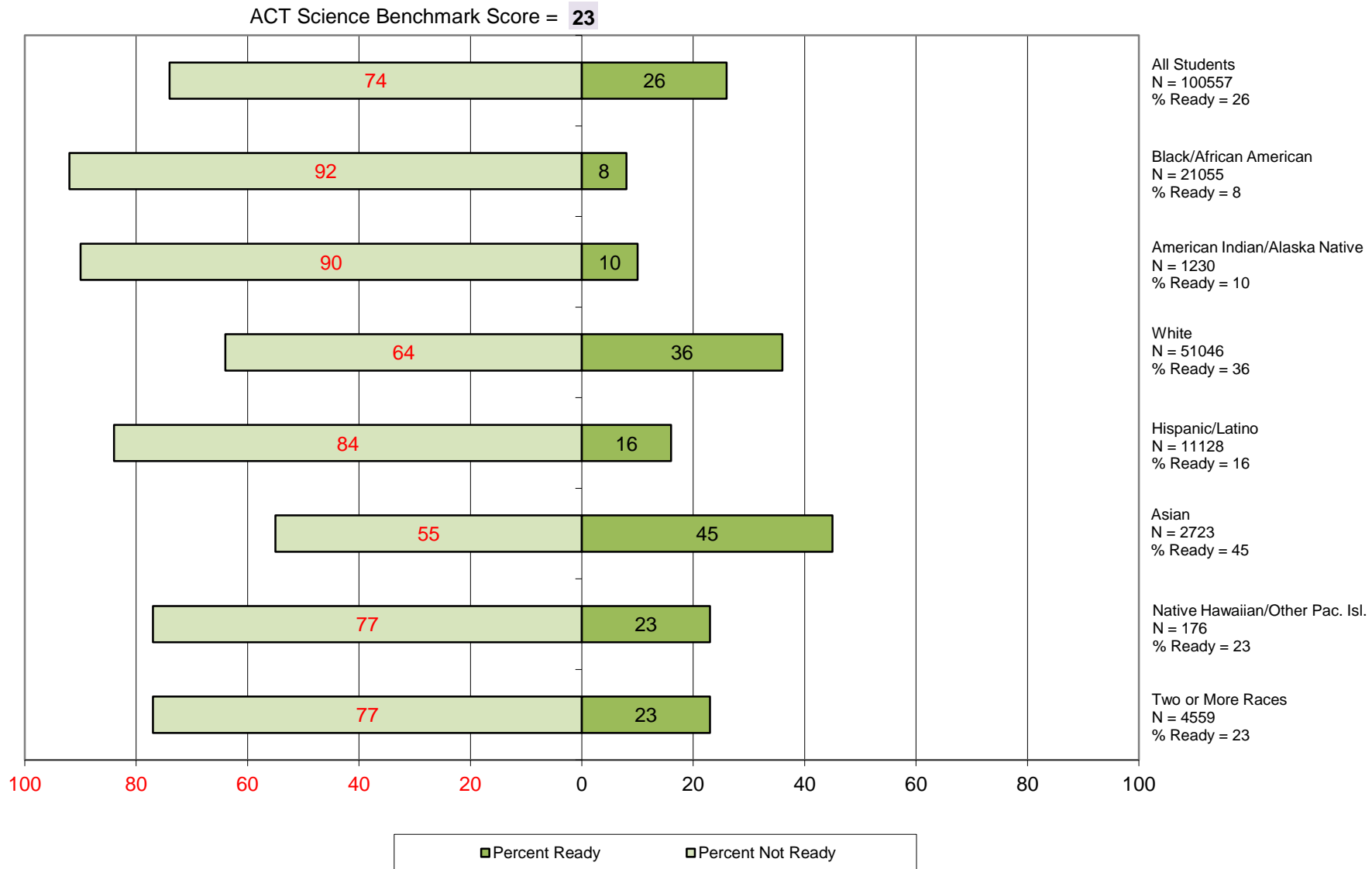
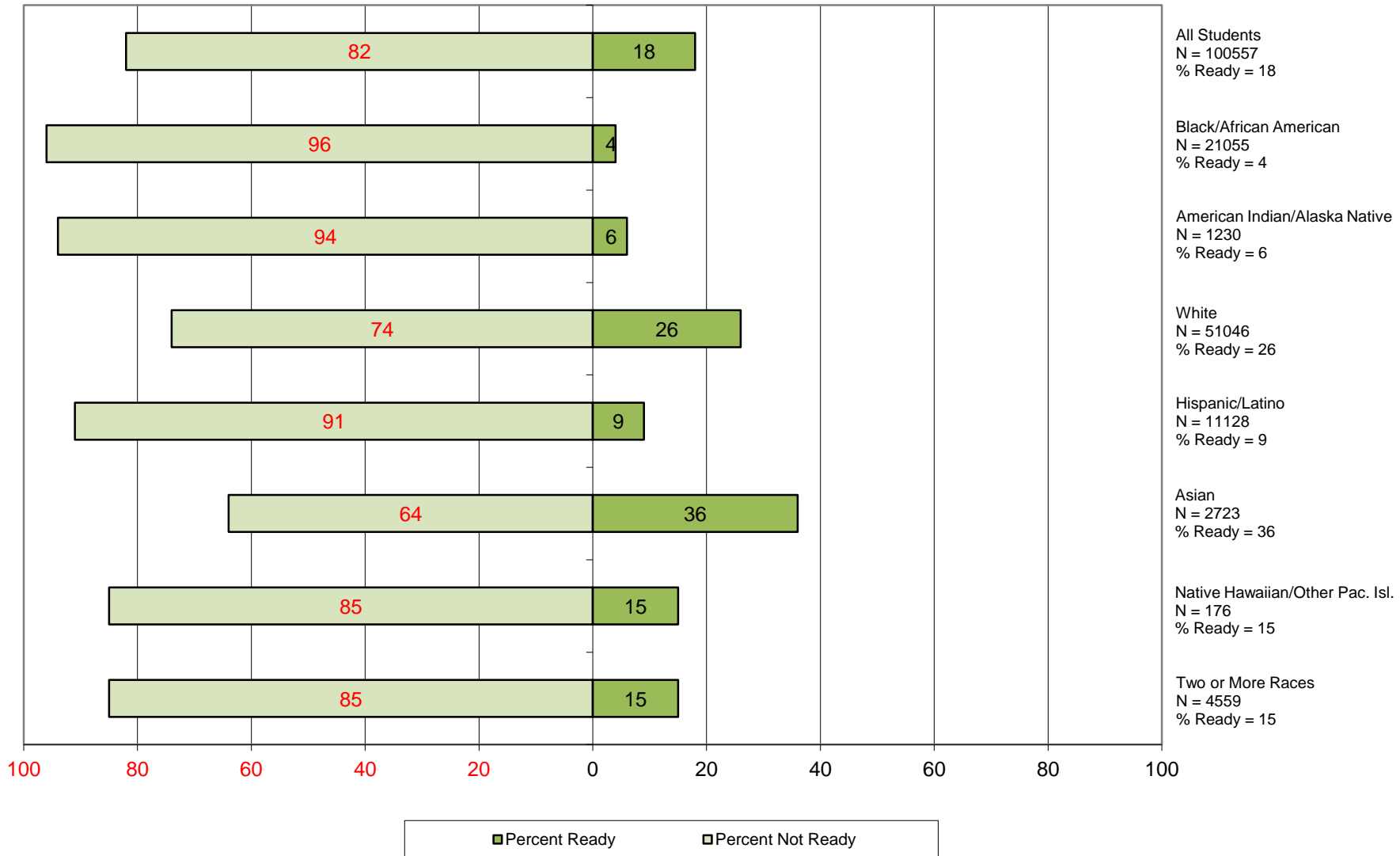


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 100,557

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 ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	11,474	11	21.2	7.4	4,562	10	20.5	7.1	6,706	14	21.9	7.4
Eng 9, Eng 10, Eng 11, Eng 12	71,772	71	17.9	4.1	33,851	72	17.4	4.0	35,509	72	18.5	4.0
Less than 4 years of English	13,069	13	13.8	-	6,973	15	13.4	-	5,504	11	14.5	-
Zero years / no English courses reported	4,242	4	14.7	-	1,846	4	14.3	-	1,491	3	15.9	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,876	3	20.9	5.0	1,368	3	21.5	5.6	1,428	3	20.5	4.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,286	4	21.1	5.2	1,683	4	21.3	5.4	2,510	5	21.0	5.0
Alg 1, Alg 2, Geom, & Trig	3,820	4	17.7	1.8	1,861	4	17.7	1.8	1,822	4	17.7	1.7
Alg 1, Alg 2, Geom, & Other Adv Math	36,876	37	18.9	3.0	15,789	33	19.1	3.2	19,866	40	18.8	2.8
Other comb of 4 or more years of Math	25,489	25	23.1	7.2	12,582	27	23.6	7.7	12,299	25	22.7	6.7
Alg 1, Alg 2, & Geom	11,746	12	16.5	0.6	6,331	13	16.6	0.7	4,847	10	16.4	0.4
Other comb of 3 or 3.5 years of Math	5,509	5	18.3	2.4	2,712	6	18.5	2.6	2,560	5	18.1	2.1
Less than 3 years of Math	5,273	5	15.9	-	2,840	6	15.9	-	2,181	4	16.0	-
Zero years / no Math courses reported	4,682	5	17.5	-	2,066	4	17.6	-	1,697	3	17.7	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	3,638	4	20.4	4.7	1,949	4	19.9	4.5	1,596	3	21.0	4.8
Other comb of 4 or more years Social Science	29,262	29	22.2	6.5	12,292	26	22.0	6.6	16,279	33	22.4	6.2
US Hist, World Hist, & Am Gov	21,889	22	17.4	1.7	11,344	24	17.1	1.7	9,676	20	17.7	1.5
Other comb of 3 or 3.5 years of Social Science	28,105	28	19.5	3.8	12,733	27	19.3	3.9	14,442	29	19.9	3.7
Less than 3 years of Social Science	12,868	13	15.7	-	6,726	14	15.4	-	5,536	11	16.2	-
Zero years / no Social Science courses reported	4,795	5	16.4	-	2,188	5	16.0	-	1,681	3	17.2	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	25,708	26	21.2	5.3	13,476	29	21.7	6.0	11,520	23	20.7	4.5
Bio, Chem, Phys	1,042	1	24.3	8.4	533	1	24.8	9.1	497	1	23.9	7.7
Gen Sci ² , Bio, Chem	41,427	41	19.7	3.8	16,558	35	19.5	3.8	23,512	48	19.9	3.7
Other comb of 3 years of Natural Science	5,711	6	16.8	0.9	3,215	7	17.0	1.3	2,295	5	16.7	0.5
Less than 3 years of Natural Science	21,820	22	15.9	-	11,274	24	15.7	-	9,646	20	16.2	-
Zero years / no Natural Science courses reported	4,849	5	16.7	-	2,176	5	16.6	-	1,740	4	17.2	-

¹Course 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.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 100,557

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
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	11,474	11	21.2	70	373,145	19	21.7	72
Eng 9, Eng 10, Eng 11, Eng 12	71,772	71	17.9	49	1,359,318	71	20.6	65
Less than 4 years of English	13,069	13	13.8	24	93,944	5	15.9	36
Zero years / no English courses reported	4,242	4	14.7	31	98,029	5	16.5	40
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,876	3	20.9	45	123,105	6	23.5	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,286	4	21.1	47	164,036	9	21.7	53
Alg 1, Alg 2, Geom, & Trig	3,820	4	17.7	16	123,192	6	19.1	28
Alg 1, Alg 2, Geom, & Other Adv Math	36,876	37	18.9	25	362,476	19	19.4	30
Other comb of 4 or more years of Math	25,489	25	23.1	61	655,589	34	23.7	64
Alg 1, Alg 2, & Geom	11,746	12	16.5	8	219,221	11	17.1	11
Other comb of 3 or 3.5 years of Math	5,509	5	18.3	22	95,502	5	19.8	34
Less than 3 years of Math	5,273	5	15.9	7	78,951	4	16.3	8
Zero years / no Math courses reported	4,682	5	17.5	18	102,364	5	17.8	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	3,638	4	20.4	40	48,944	3	22.3	51
Other comb of 4 or more years Social Science	29,262	29	22.2	53	942,441	49	22.3	52
US Hist, World Hist, & Am Gov	21,889	22	17.4	21	108,348	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	28,105	28	19.5	35	527,956	27	21.4	46
Less than 3 years of Social Science	12,868	13	15.7	14	194,720	10	19.5	34
Zero years / no Social Science courses reported	4,795	5	16.4	18	102,027	5	18.1	26
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	25,708	26	21.2	42	807,744	42	22.2	48
Bio, Chem, Phys	1,042	1	24.3	62	217,893	11	23.2	55
Gen Sci ¹ , Bio, Chem	41,427	41	19.7	29	512,754	27	20.1	30
Other comb of 3 years of Natural Science	5,711	6	16.8	11	54,439	3	19.1	24
Less than 3 years of Natural Science	21,820	22	15.9	6	227,926	12	18.1	18
Zero years / no Natural Science courses reported	4,849	5	16.7	14	103,680	5	18.0	20

¹Includes 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: 100,557

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 ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture & Natural Resources Conservation	1,951	2	17.6	460	4	14.6	1,394	2	18.8
Architecture	1,106	1	18.5	119	1	14.4	942	1	19.2
Area, Ethnic, & Multidisciplinary Studies	158	0	20.5	18	0	13.0	128	0	22.0
Arts: Visual & Performing	8,651	9	18.3	1,136	11	15.1	6,987	9	19.0
Business	7,563	8	19.7	672	6	15.0	6,586	8	20.2
Communications	1,798	2	20.3	102	1	15.4	1,638	2	20.6
Community, Family, & Personal Services	5,447	5	16.5	1,331	13	15.0	3,793	5	17.1
Computer Science & Mathematics	2,926	3	21.3	247	2	16.3	2,557	3	21.8
Education	3,601	4	19.2	248	2	14.9	3,217	4	19.7
Engineering	7,384	7	21.0	667	6	14.9	6,414	8	21.7
Engineering Technology & Drafting	1,832	2	18.0	347	3	14.8	1,383	2	19.0
English & Foreign Languages	997	1	22.1	52	0	16.8	908	1	22.4
Health Administration & Assisting	2,367	2	16.9	357	3	15.2	1,899	2	17.2
Health Sciences & Technologies	20,924	21	19.3	1,412	13	15.7	18,896	24	19.6
Philosophy, Religion, & Theology	428	0	20.0	31	0	14.7	376	0	20.6
Repair, Production, & Construction	1,965	2	15.8	963	9	15.1	869	1	16.7
Sciences: Biological & Physical	5,206	5	22.5	113	1	15.9	4,921	6	22.7
Social Sciences & Law	7,605	8	20.2	293	3	15.8	7,043	9	20.4
Undecided	6,212	6	20.6	568	5	15.4	4,923	6	21.3
No Response	11,753	12	15.5	1,207	11	13.5	2,234	3	15.3

¹2-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.

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

Total Students in Report: 100,557

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	2,475	14.8	591	13.1	37	14.2	1,126	15.8	350	14.5
2-yr College Degree	8,098	15.0	1,708	13.5	152	14.3	3,876	16.0	1,297	14.6
Bachelors Degree	42,446	18.5	9,102	15.6	513	16.5	22,481	20.1	4,658	17.2
Graduate Study	14,087	22.0	2,316	17.8	117	18.6	8,403	23.5	1,200	19.8
Prof. Level Degree	20,957	21.3	4,624	17.8	259	18.7	10,267	23.0	2,185	19.6
Other	2,446	15.9	481	14.2	41	15.2	1,190	16.8	293	14.9
No Response	10,048	16.8	2,233	14.4	111	14.6	3,703	18.6	1,145	15.6

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	2,475	14.8	52	15.1	8	17.1	88	14.6	223	14.3
2-yr College Degree	8,098	15.0	105	14.1	11	16.3	280	15.2	669	14.4
Bachelors Degree	42,446	18.5	824	19.6	59	17.9	1,960	18.3	2,849	17.8
Graduate Study	14,087	22.0	488	24.1	23	23.0	599	21.2	941	21.0
Prof. Level Degree	20,957	21.3	968	24.8	50	18.3	1,124	20.8	1,480	20.8
Other	2,446	15.9	66	17.9	4	14.0	102	17.2	269	15.4
No Response	10,048	16.8	220	19.4	21	15.0	406	16.9	2,209	16.4

Total Students in Report: 100,557

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	20,742	7,897	12,845	4	13	23	27	21	11	1
EAST CAROLINA UNIVERSITY	North Carolina	20,520	6,504	14,016	6	20	34	26	11	3	0
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	17,643	6,254	11,389	4	12	22	25	21	14	2
APPALACHIAN STATE UNIVERSITY	North Carolina	15,728	5,346	10,382	4	13	28	30	18	6	0
UNIV OF NORTH CAROLINA AT CHARLOTTE	North Carolina	15,409	3,893	11,516	5	16	30	29	14	5	0
UNIV OF NORTH CAROLINA AT WILMINGTON	North Carolina	12,966	3,172	9,794	3	11	28	33	19	6	0
UNIV OF NORTH CAROLINA AT GREENSBORO	North Carolina	8,543	1,761	6,782	6	19	34	25	12	4	0
WESTERN CAROLINA UNIVERSITY	North Carolina	6,886	1,848	5,038	3	15	35	30	12	3	0
DUKE UNIVERSITY	North Carolina	6,817	1,697	5,120	8	18	23	20	15	13	3
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	4,946	1,488	3,458	15	34	35	12	3	1	0
WAKE FOREST UNIVERSITY	North Carolina	4,528	696	3,832	7	18	26	22	16	10	1
NORTH CAROLINA CENTRAL UNIVERSITY	North Carolina	4,254	998	3,256	16	34	35	11	3	1	0
CAMPBELL UNIVERSITY	North Carolina	4,033	1,065	2,968	5	17	34	27	13	4	0
STATE-NO COLLEGE PLANS	Iowa	4,006	4,006	0	31	36	21	8	3	1	0
WINSTON-SALEM STATE UNIVERSITY	North Carolina	3,828	907	2,921	15	34	36	12	2	0	0
UNIV OF NORTH CAROLINA AT PEMBROKE	North Carolina	3,547	754	2,793	9	26	38	20	6	1	0
UNIV OF NORTH CAROLINA AT ASHEVILLE	North Carolina	3,005	625	2,380	3	11	25	30	21	9	1
ART INSTITUTE OF CHARLOTTE THE	North Carolina	2,985	1,007	1,978	12	31	34	16	5	1	0
CLEMSON UNIVERSITY	South Carolina	2,663	571	2,092	4	13	20	22	23	16	2
FAYETTEVILLE STATE UNIVERSITY	North Carolina	2,616	609	2,007	18	40	32	8	2	0	0
WAKE TECHNICAL COMMUNITY COLLEGE	North Carolina	2,600	836	1,764	12	29	31	19	7	2	0
WINGATE UNIVERSITY	North Carolina	2,384	407	1,977	6	20	35	25	10	3	0
LENOIR-RHYNE UNIVERSITY	North Carolina	2,058	360	1,698	6	21	37	24	10	2	0
ELON UNIVERSITY	North Carolina	2,029	438	1,591	5	16	22	24	20	12	2
HIGH POINT UNIVERSITY	North Carolina	1,988	387	1,601	8	22	28	24	13	5	0
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	1,876	390	1,486	1	4	13	28	32	20	2
JOHNSON & WALES UNIVERSITY-CHARLOTTE	North Carolina	1,822	654	1,168	16	31	34	15	4	1	0
CAPE FEAR COMMUNITY COLLEGE	North Carolina	1,720	564	1,156	9	31	37	19	4	1	0
CENTRAL PIEDMONT COMMUNITY COLLEGE	North Carolina	1,577	518	1,059	18	31	32	15	4	1	0
GREENSBORO COLLEGE	North Carolina	1,513	321	1,192	18	35	30	13	3	1	0
All Other Institutions		111,418	29,544	81,874	11	25	28	18	10	6	1
Total		296,650	85,517	211,133	8	21	29	22	13	6	1

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.

Total Students in Report: 100,557

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

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	96,090	1,108,908	17.6	21.0	5.7	6.9	16.6	20.2
Black/African American	20,115	136,380	14.0	16.3	5.0	6.0	13.3	15.9
American Indian/Alaska Native	1,186	7,142	14.7	16.5	5.0	5.9	13.8	16.0
White	48,569	567,060	19.7	22.8	6.1	7.1	18.5	21.8
Hispanic/Latino	10,780	196,970	15.4	18.4	5.6	6.7	14.9	18.1
Asian	2,601	68,736	20.5	23.9	6.6	7.6	19.6	23.0
Native Hawaiian/Other Pac. Isl.	168	4,070	16.5	18.0	5.6	6.5	15.8	17.6
Two or more races	4,372	45,517	17.7	21.3	5.7	6.9	16.6	20.4
Prefer not/No Response	8,299	83,033	16.3	20.8	5.4	6.7	15.4	19.9
Males	44,967	507,737	16.9	20.7	5.3	6.6	15.8	19.7
Females	47,105	590,537	18.4	21.4	6.2	7.1	17.6	20.8
Missing	4,018	10,634	15.2	16.0	5.2	5.6	14.4	15.4

