

ACT Profile Report - State

Graduating Class 2013
North Carolina



ACT, INC. -- CONFIDENTIAL



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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.

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

How to Improve Scores and Increase College Readiness

17% 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: 95,782 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 6% of the cohort took less than three years of math courses. Of these students, 5% 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 23% of the cohort took less than three years of natural science courses. 7% of these students were college ready. In comparison, 31% 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 59% 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.

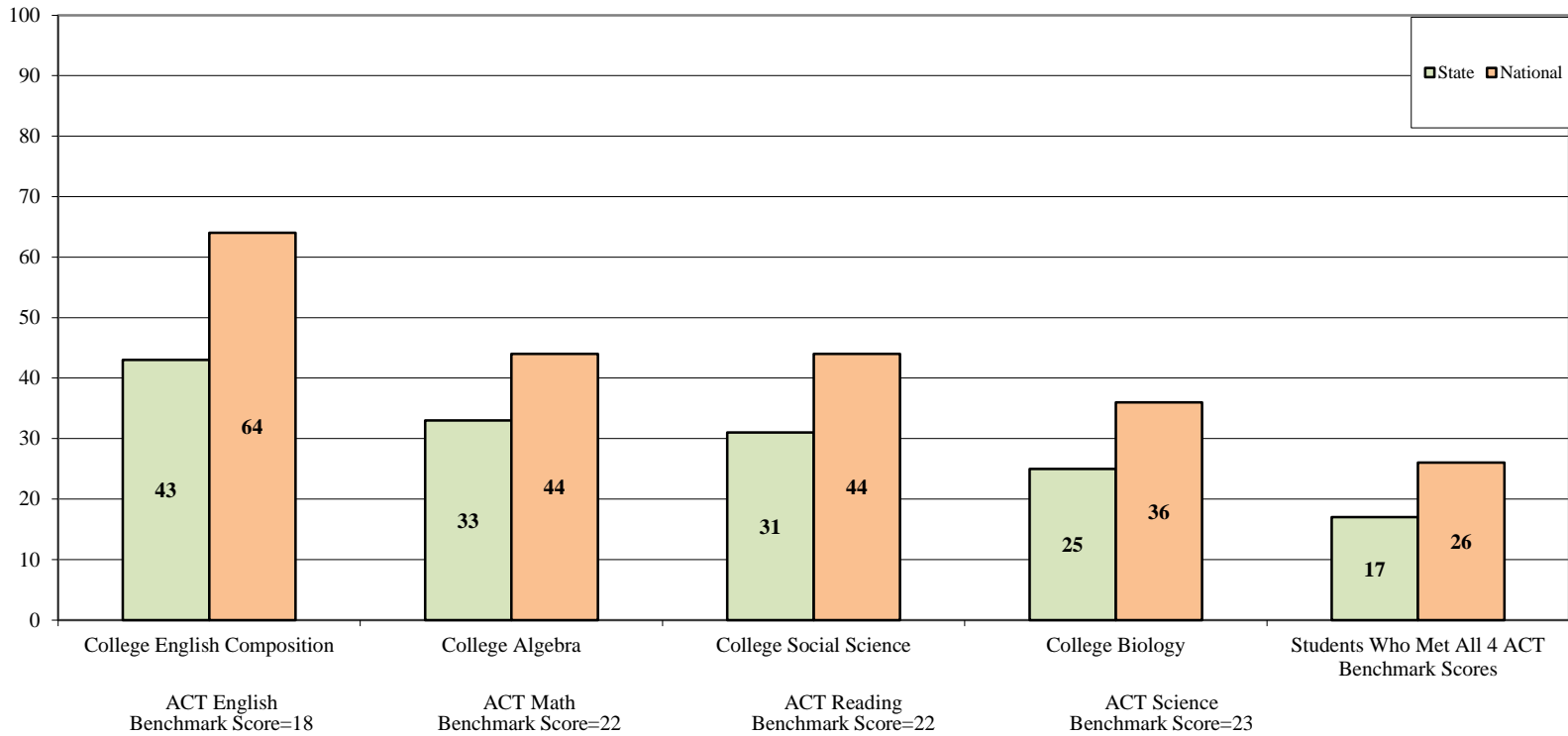
Section I

Executive Summary

Beginning 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.

Total Students in Report: 95,782

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
2009	13,347	1,480,469	69	67	51	42	56	53	30	28	26	23
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

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
2009	13,347	1,480,469	20.9	20.6	22.0	21.0	21.9	21.4	21.1	20.9	21.6	21.1
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2009	1,480,469	20.6	21.0	21.4	20.9	21.1
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

Total Students in Report: 95,782

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
2009	10,743	2,296	80	17	21.7	17.3	22.7	19.0	22.7	18.9	21.7	18.5	22.3	18.6
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

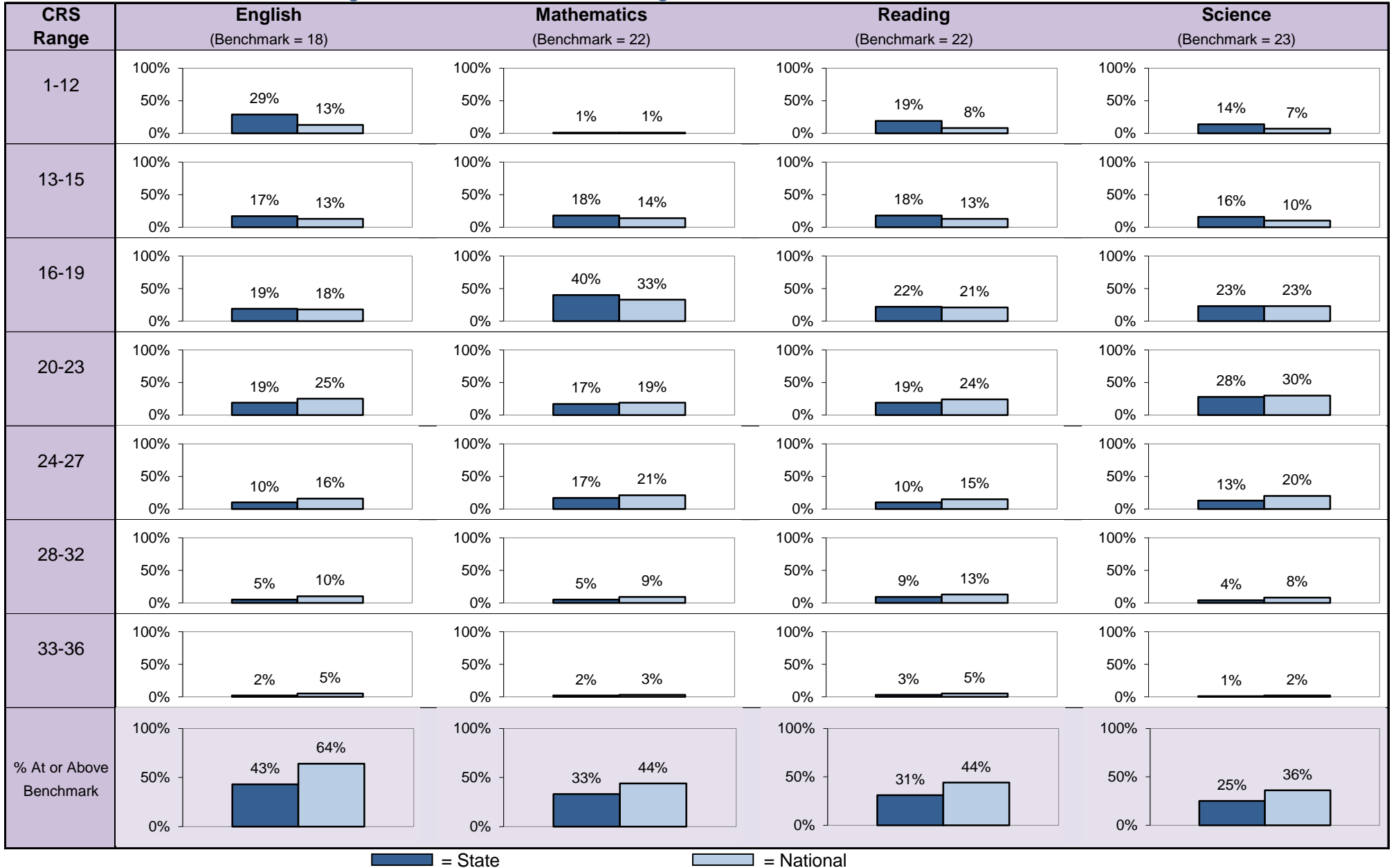
¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

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

	2009			2010			2011			2012			2013		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	13,347	100	21.6	14,673	100	21.9	16,736	100	21.9	18,817	100	21.9	95,782	100	18.7
Black/African American	2,946	22	17.1	3,099	21	17.4	3,606	22	17.4	4,107	22	17.2	20,927	22	15.6
American Indian/Alaska Native	117	1	19.8	149	1	19.3	138	1	18.6	164	1	19.4	1,119	1	16.2
White	8,571	64	23.0	9,377	64	23.4	10,435	62	23.5	11,423	61	23.4	50,942	53	20.3
Hispanic/Latino	432	3	20.9	596	4	20.3	819	5	20.8	1,168	6	20.9	9,428	10	17.0
Asian	374	3	24.7	490	3	24.3	594	4	24.6	642	3	24.8	2,403	3	21.0
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	5	0	19.4	24	0	21.3	159	0	17.4
Two or more races	308	2	21.4	394	3	21.5	478	3	21.1	607	3	21.5	3,774	4	18.6
Prefer not to respond/No response	599	4	22.9	568	4	22.8	661	4	23.2	682	4	23.3	7,030	7	18.2

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



Total Students in Report: 95,782

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	91,267	95	17.2	19.8	19.0	18.8	18.8
	Extended Time	4,515	5	13.8	16.6	15.9	16.2	15.7
	Total	95,782	100	17.1	19.6	18.8	18.7	18.7
National	Standard Time	1,727,041	96	20.4	21.0	21.3	20.9	21.0
	Extended Time	72,202	4	15.9	17.7	18.1	17.9	17.5
	Total	1,799,243	100	20.2	20.9	21.1	20.7	20.9

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	45	34	32	25	17
	Extended Time	21	12	16	11	7
	Total	43	33	31	25	17
National	Standard Time	65	45	45	37	27
	Extended Time	35	20	28	20	13
	Total	64	44	44	36	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: 95,782

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	150	100	171	100	450	100	174	100	44	100	36
35	568	100	312	100	685	100	208	100	130	100	35
34	561	99	381	99	407	99	256	100	292	100	34
33	682	99	580	99	1,129	98	310	99	425	100	33
32	661	98	466	98	1,259	97	437	99	556	99	32
31	740	97	531	98	2,516	96	601	99	801	98	31
30	811	96	703	97	1,612	93	764	98	1,047	98	30
29	1,460	96	1,358	97	1,738	92	852	97	1,368	97	29
28	1,174	94	1,961	95	1,848	90	1,131	96	1,754	95	28
27	1,640	93	3,233	93	2,091	88	1,450	95	2,240	93	27
26	1,955	91	3,063	90	2,205	86	3,133	94	2,671	91	26
25	2,330	89	4,681	87	2,387	83	2,951	90	3,219	88	25
24	3,452	87	5,253	82	3,050	81	5,236	87	3,776	85	24
23	2,883	83	4,358	76	4,897	78	6,131	82	4,386	81	23
22	3,978	80	4,377	72	3,252	73	4,176	75	5,085	76	22
21	5,767	76	4,883	67	6,020	69	8,167	71	5,140	71	21
20	5,255	70	3,003	62	3,698	63	8,592	62	5,382	66	20
19	3,785	64	5,606	59	6,238	59	5,401	53	5,813	60	19
18	3,729	60	8,578	53	3,943	53	5,810	48	6,244	54	18
17	4,094	57	10,337	44	7,128	48	5,219	42	6,611	47	17
16	6,146	52	13,476	33	4,134	41	5,402	36	7,171	41	16
15	6,873	46	10,794	19	4,478	37	5,332	31	7,170	33	15
14	6,754	39	4,139	8	8,110	32	5,170	25	7,438	26	14
13	2,993	32	2,681	4	4,554	23	5,114	20	7,164	18	13
12	4,756	29	395	1	7,582	19	4,135	14	5,541	10	12
11	6,598	24	332	1	5,648	11	3,657	10	2,836	5	11
10	4,656	17	21	1	1,876	5	3,635	6	936	2	10
9	4,888	12	49	1	1,246	3	1,055	2	324	1	9
8	3,351	7	26	1	800	2	591	1	125	1	8
7	1,542	3	0	1	76	1	345	1	63	1	7
6	993	2	15	1	374	1	178	1	20	1	6
5	333	1	0	1	200	1	8	1	6	1	5
4	142	1	12	1	100	1	83	1	2	1	4
3	58	1	0	1	2	1	60	1	1	1	3
2	16	1	0	1	36	1	0	1	1	1	2
1	8	1	7	1	13	1	18	1	0	1	1
Avg (SD)	17.1 (6.5)		19.6 (4.8)		18.8 (6.5)		18.7 (5.4)		18.7 (5.3)		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: 95,782

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	1,502	100	639	100	1,378	100	2,326	100	2,747	100	326	100	343	100	18
17	2,440	98	713	99	2,193	99	4,140	98	3,113	97	580	100	42	100	17
16	1,651	96	1,636	99	3,790	96	4,728	93	3,612	94	900	99	1,765	100	16
15	3,009	94	3,419	97	2,583	92	5,142	88	4,496	90	3,040	98	2,134	98	15
14	2,203	91	2,504	93	5,384	90	1,415	83	4,419	85	5,713	95	5,090	96	14
13	3,963	89	4,376	91	4,623	84	5,247	81	4,991	81	10,004	89	7,569	90	13
12	4,589	85	7,466	86	5,663	79	5,101	76	9,157	76	8,582	79	6,597	82	12
11	5,855	80	8,641	78	6,566	73	9,501	71	5,678	66	10,458	70	12,856	75	11
10	8,895	74	7,302	69	7,232	66	5,615	61	10,680	60	13,404	59	9,098	62	10
9	7,423	64	11,917	62	15,032	59	10,292	55	5,918	49	12,733	45	20,172	53	9
8	7,486	57	9,467	49	9,321	43	7,180	44	12,143	43	11,492	31	10,831	31	8
7	8,478	49	9,644	39	9,771	33	6,613	37	16,065	30	8,773	19	2,093	20	7
6	12,261	40	9,483	29	7,834	23	7,162	30	7,825	13	5,566	10	7,863	18	6
5	8,331	27	4,901	19	9,700	15	12,234	22	2,745	5	560	4	5,197	10	5
4	7,643	18	7,346	14	696	5	4,349	9	1,396	2	2,310	4	1,091	4	4
3	6,980	10	4,916	7	2,343	4	3,012	5	533	1	462	1	1,911	3	3
2	2,653	3	1,100	1	1,063	2	1,628	2	220	1	615	1	505	1	2
1	420	1	312	1	610	1	97	1	44	1	264	1	625	1	1
Avg (SD)	8.2 (3.9)		8.7 (3.5)		9.4 (3.7)		9.5 (4.2)		10.1 (3.6)		10.0 (2.9)		9.6 (3.0)		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)	21	23	23	22	22
Q2 (50th Percentile)	16	18	18	19	18
Q1 (25th Percentile)	12	16	14	14	14

Total Students in Report: 95,782

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	95,782	62	20.3	16.1
	Black/African American	20,927	50	16.8	14.4
	American Indian/Alaska Native	1,119	52	17.6	14.8
	White	50,942	68	21.7	17.4
	Hispanic/Latino	9,428	57	18.4	15.2
	Asian	2,403	73	22.5	17.0
	Native Hawaiian/Other Pac. Isl.	159	57	19.1	14.7
	Two or more races	3,774	63	20.0	16.3
	Prefer not/No Response	7,030	53	20.2	15.7
National	All Students	1,799,243	74	21.7	18.7
	Black/African American	239,598	69	17.5	15.6
	American Indian/Alaska Native	14,217	62	19.1	16.5
	White	1,034,712	76	22.9	20.0
	Hispanic/Latino	259,741	72	19.5	17.2
	Asian	71,677	81	24.1	21.5
	Native Hawaiian/Other Pac. Isl.	4,772	71	20.5	17.5
	Two or more races	64,221	74	21.9	19.2
	Prefer not/No Response	110,305	58	22.4	18.4

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	17.1	19.6	18.8	18.7	18.7
	Black/African American	13.5	17.1	15.4	15.7	15.6
	American Indian/Alaska Native	13.9	17.7	16.2	16.5	16.2
	White	19.0	20.9	20.6	20.1	20.3
	Hispanic/Latino	14.8	18.4	17.0	17.3	17.0
	Asian	19.1	23.2	20.2	21.1	21.0
	Native Hawaiian/Other Pac. Isl.	15.9	18.7	17.1	17.4	17.4
	Two or more races	17.1	19.3	19.0	18.5	18.6
	Prefer not/No Response	16.6	19.2	18.4	18.2	18.2
National	All Students	20.2	20.9	21.1	20.7	20.9
	Black/African American	15.7	17.2	17.0	16.9	16.9
	American Indian/Alaska Native	16.6	18.2	18.3	18.3	18.0
	White	21.8	21.9	22.6	22.0	22.2
	Hispanic/Latino	17.7	19.3	18.9	18.8	18.8
	Asian	22.5	25.0	22.9	23.1	23.5
	Native Hawaiian/Other Pac. Isl.	18.6	20.1	19.5	19.5	19.5
	Two or more races	20.6	20.9	21.6	20.9	21.1
	Prefer not/No Response	20.0	20.8	21.0	20.5	20.7

Total Students in Report: 95,782

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	1,961	2	1,444	2	2,671	3	948	1
	28 to 32	4,846	5	5,019	5	8,973	9	3,785	4
	24 to 27	9,377	10	16,230	17	9,733	10	12,770	13
	20 to 23	17,883	19	16,621	17	17,867	19	27,066	28
	16 to 19	17,754	19	37,997	40	21,443	22	21,832	23
	13 to 15	16,620	17	17,614	18	17,142	18	15,616	16
	01 to 12	27,341	29	857	1	17,953	19	13,765	14
National	33 to 36	81,846	5	51,648	3	89,731	5	36,033	2
	28 to 32	175,672	10	156,561	9	239,643	13	138,865	8
	24 to 27	291,095	16	385,102	21	277,723	15	364,600	20
	20 to 23	447,398	25	343,822	19	424,936	24	542,531	30
	16 to 19	327,718	18	590,816	33	384,706	21	413,107	23
	13 to 15	242,064	13	258,384	14	240,069	13	183,840	10
	01 to 12	233,450	13	12,910	1	142,435	8	120,267	7

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	45,712	48	16.4	19.8	18.3	18.7	18.4
	Females	47,192	49	17.8	19.5	19.4	18.7	19.0
	Missing	2,878	3	15.4	18.6	17.4	17.5	17.4
National	Males	835,431	46	19.8	21.4	20.9	21.2	20.9
	Females	954,919	53	20.6	20.5	21.4	20.4	20.9
	Missing	8,893	0	16.1	18.2	17.6	17.7	17.5

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	39	34	29	26	17
	Females	48	32	33	23	16
National	Males	62	47	43	40	29
	Females	67	41	45	33	24

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	59,014	56	19.0	45	21.1	41	20.6	34	20.2	24	20.3
	Less than Core	32,379	23	14.1	14	17.4	15	16.0	10	16.3	5	16.1
	Missing ³	4,389	23	13.8	16	17.3	16	15.9	12	16.1	7	15.9
National	Core or More	1,322,739	71	21.2	50	21.7	50	22.0	42	21.5	31	21.7
	Less than Core	396,592	48	17.8	27	18.9	30	19.0	22	18.8	14	18.7
	Missing	79,912	36	16.0	19	17.8	24	17.5	17	17.7	10	17.4

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	80,644	47	17.7	86,432	35	20.0	81,073	34	19.4	69,662	31	19.7
	Less than Core	12,150	23	13.9	6,023	5	15.8	11,098	12	15.2	22,494	7	15.8
	Missing ³	2,988	28	14.5	3,327	18	17.6	3,611	17	16.1	3,626	14	16.5
National	Core or More	1,646,286	67	20.6	1,648,697	46	21.3	1,554,990	46	21.5	1,506,965	40	21.3
	Less than Core	84,048	36	15.9	77,906	7	16.3	171,617	32	19.1	218,267	17	18.0
	Missing	68,909	38	16.4	72,640	20	17.9	72,636	25	17.7	74,011	18	17.8

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

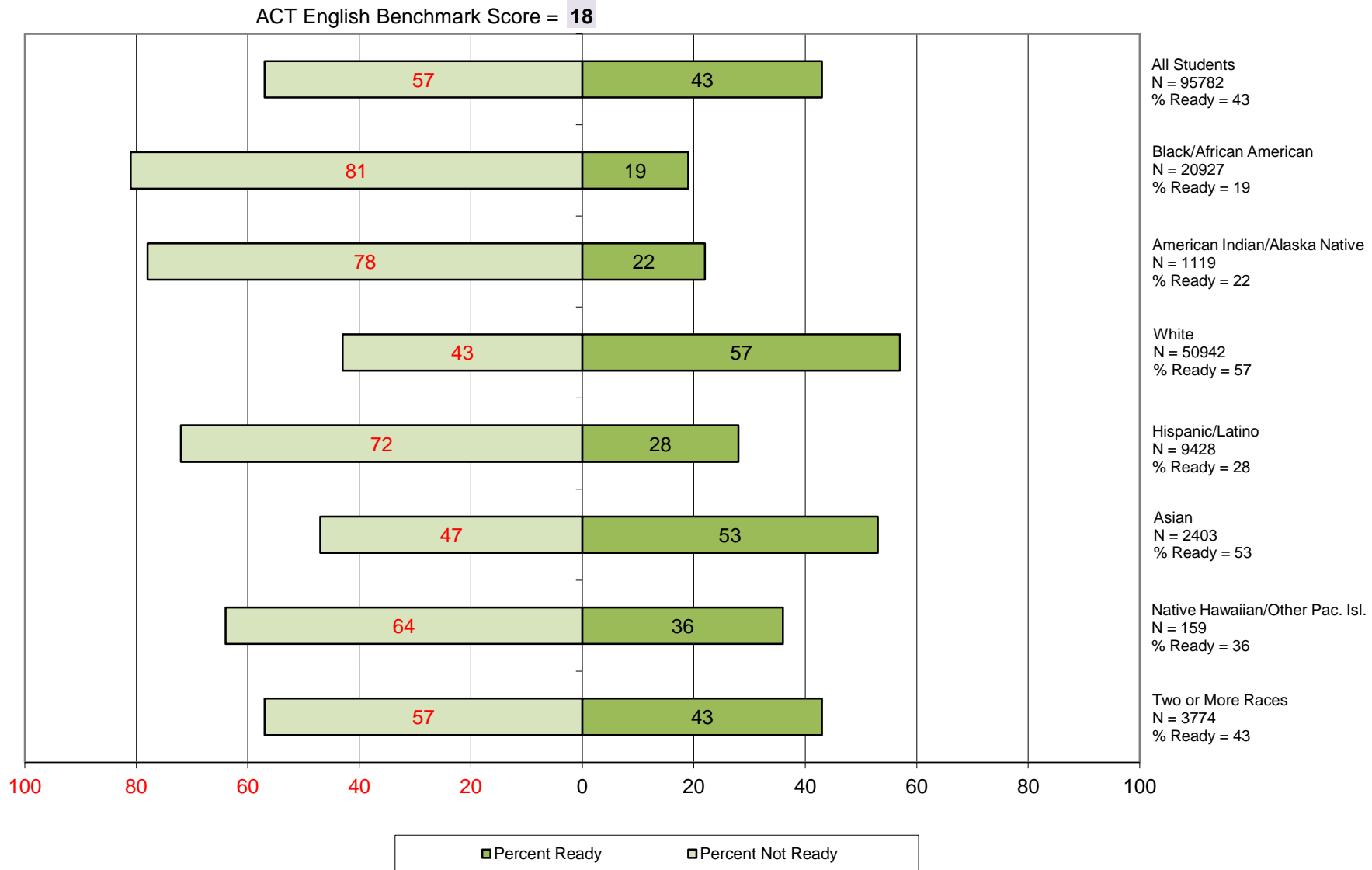


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

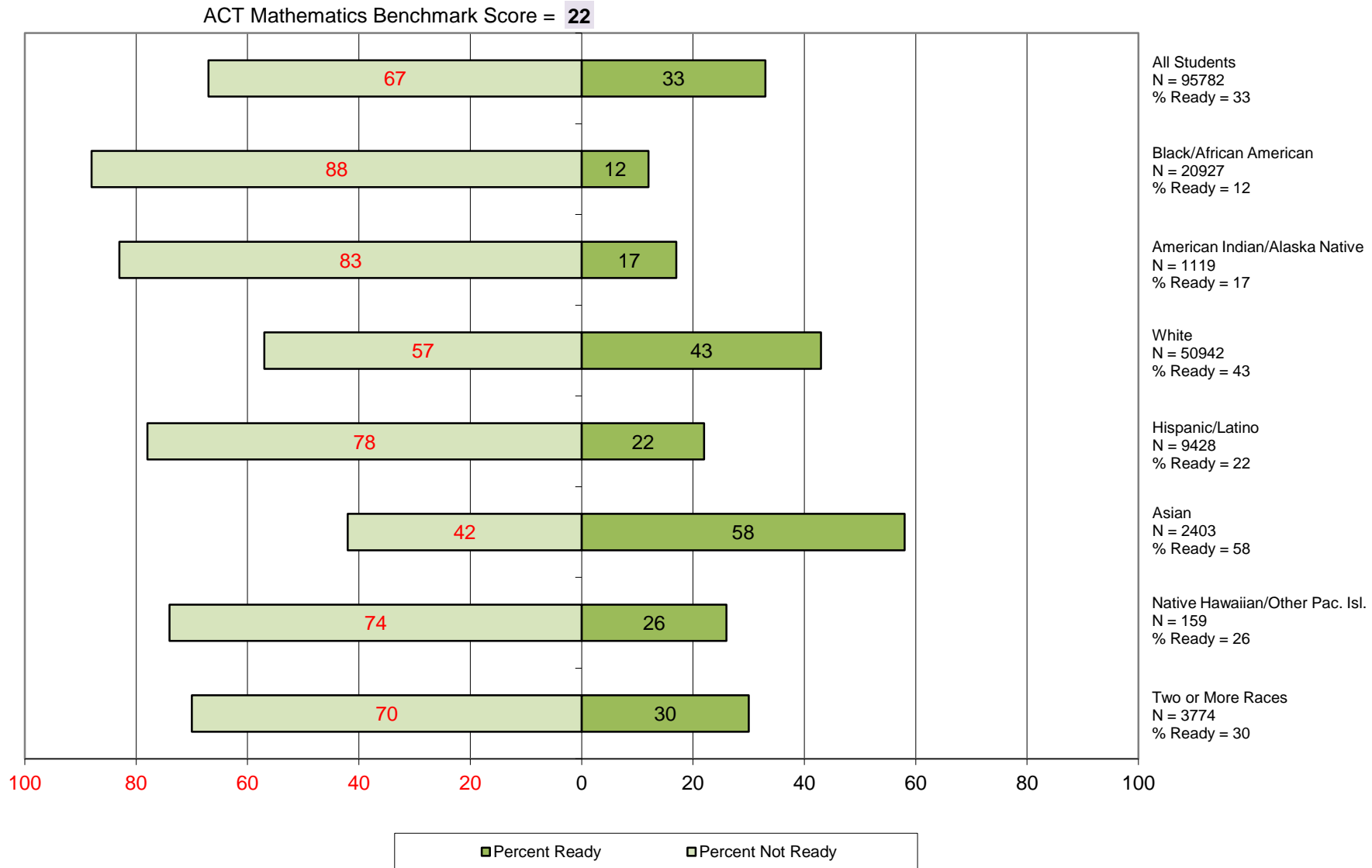


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

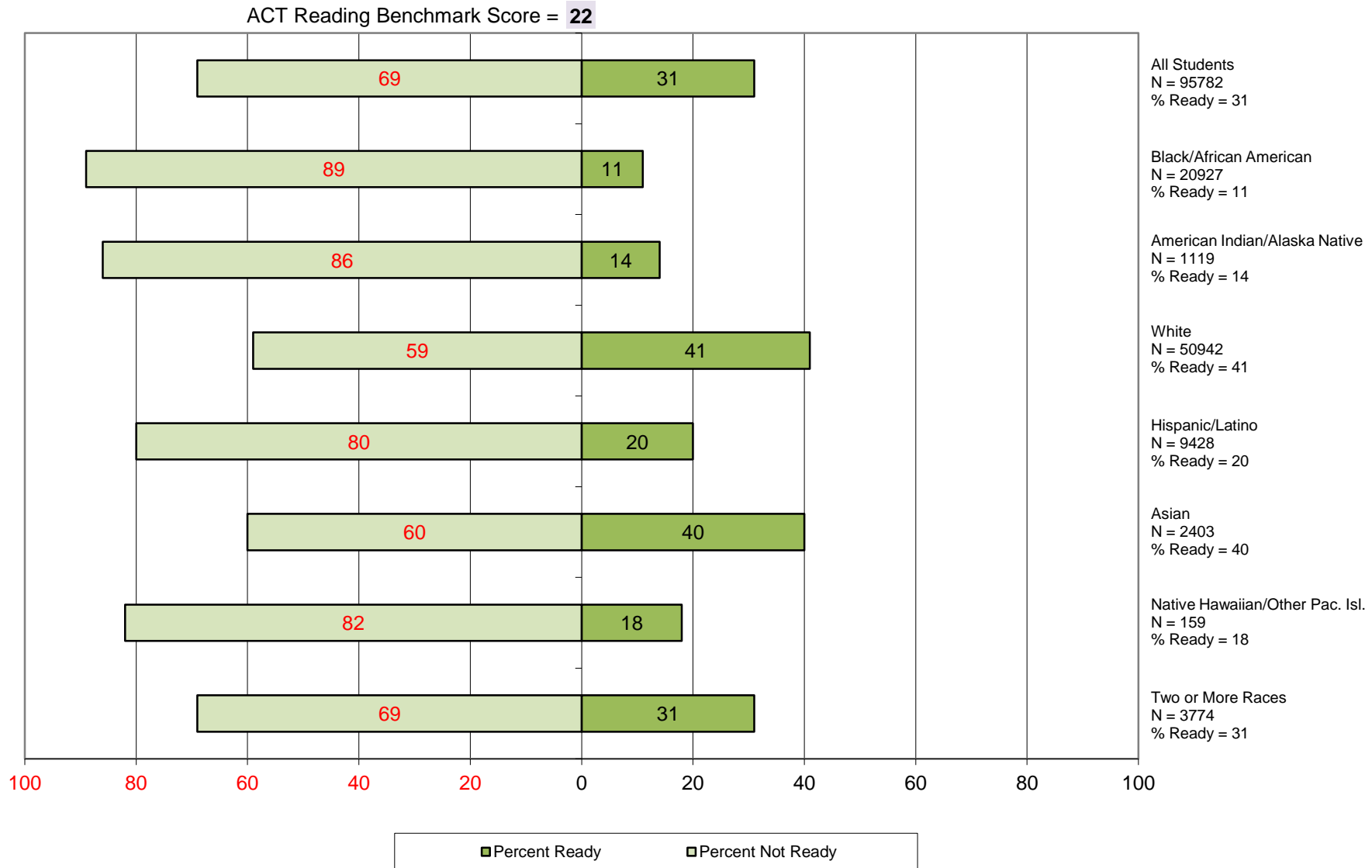


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

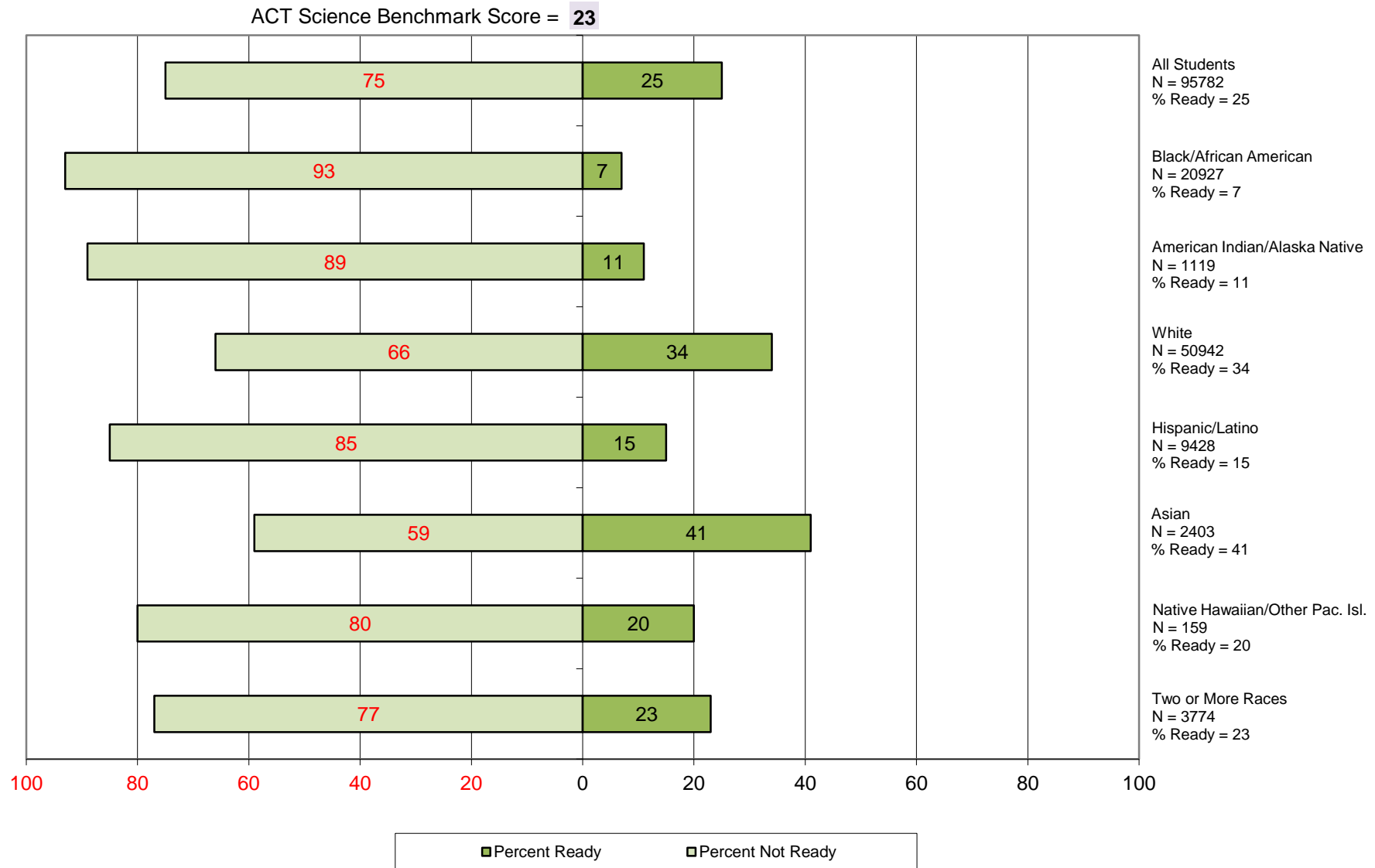
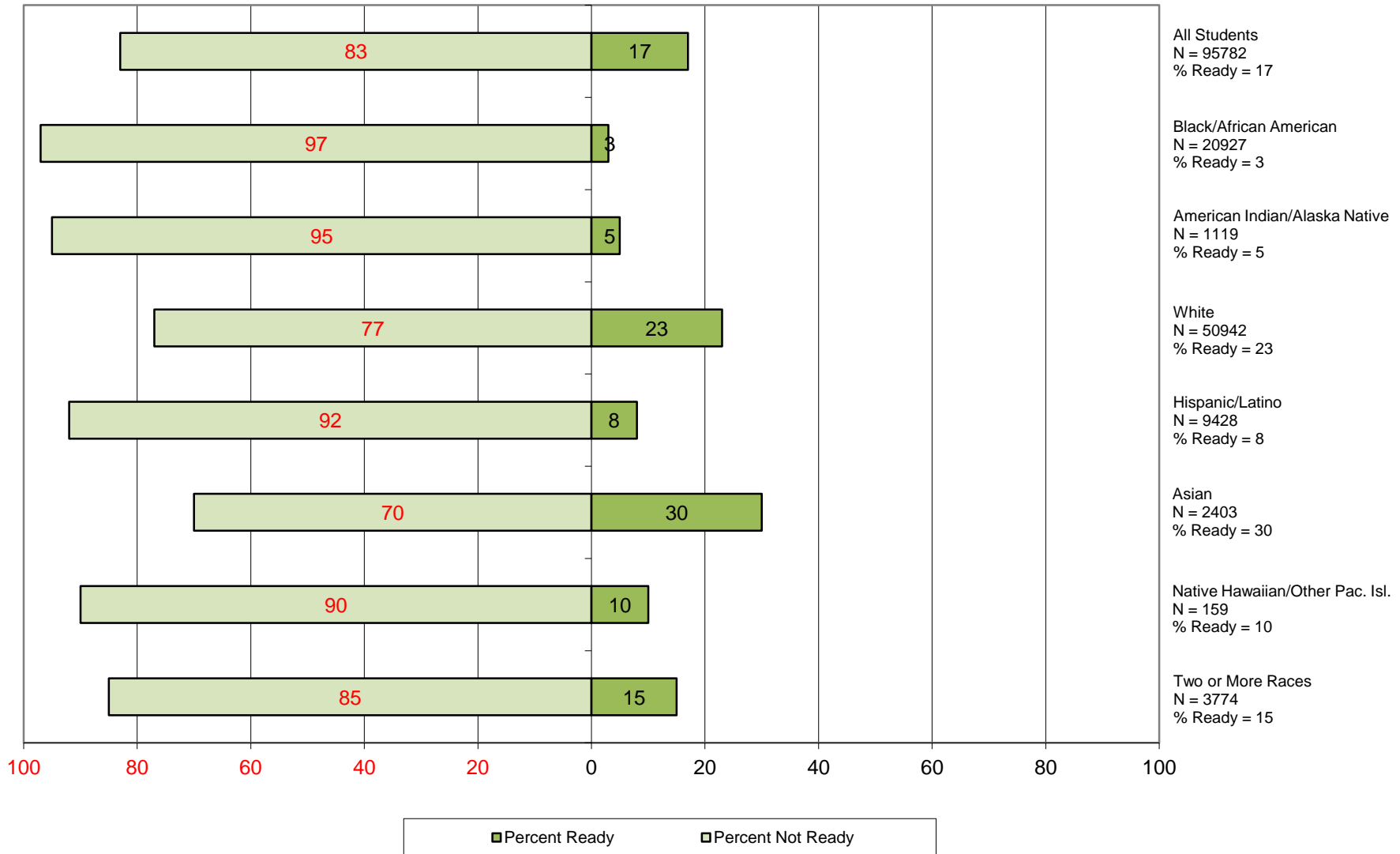


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 95,782

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	11,322	12	20.2	6.3	4,441	10	19.3	5.9	6,701	14	20.9	6.3
Eng 9, Eng 10, Eng 11, Eng 12	69,322	72	17.3	3.4	33,372	73	16.7	3.3	34,219	73	17.8	3.2
Less than 4 years of English	12,150	13	13.9	-	6,579	14	13.4	-	5,143	11	14.6	-
Zero years / no English courses reported	2,988	3	14.5	-	1,320	3	13.7	-	1,129	2	14.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,541	3	22.0	6.2	1,192	3	22.2	6.5	1,274	3	21.7	5.8
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,260	4	21.5	5.7	1,696	4	21.8	6.1	2,479	5	21.3	5.4
Alg 1, Alg 2, Geom, & Trig	3,407	4	18.2	2.4	1,663	4	18.3	2.6	1,603	3	18.1	2.2
Alg 1, Alg 2, Geom, & Other Adv Math	35,035	37	19.0	3.2	15,377	34	19.3	3.6	18,806	40	18.8	2.9
Other comb of 4 or more years of Math	24,440	26	23.0	7.2	11,867	26	23.5	7.8	12,129	26	22.6	6.7
Alg 1, Alg 2, & Geom	11,471	12	16.8	1.0	6,261	14	16.8	1.1	4,827	10	16.7	0.8
Other comb of 3 or 3.5 years of Math	5,278	6	18.3	2.5	2,702	6	18.6	2.9	2,435	5	18.1	2.2
Less than 3 years of Math	6,023	6	15.8	-	3,422	7	15.7	-	2,392	5	15.9	-
Zero years / no Math courses reported	3,327	3	17.6	-	1,532	3	17.4	-	1,247	3	17.5	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	3,906	4	19.9	4.7	2,016	4	19.5	4.6	1,739	4	20.6	4.9
Other comb of 4 or more years Social Science	28,322	30	21.7	6.5	12,152	27	21.3	6.4	15,549	33	22.0	6.3
US Hist, World Hist, & Am Gov	21,578	23	17.0	1.8	11,240	25	16.8	1.9	9,847	21	17.3	1.6
Other comb of 3 or 3.5 years of Social Science	27,267	28	18.9	3.7	12,579	28	18.6	3.7	13,996	30	19.3	3.6
Less than 3 years of Social Science	11,098	12	15.2	-	6,012	13	14.9	-	4,719	10	15.7	-
Zero years / no Social Science courses reported	3,611	4	16.1	-	1,713	4	15.4	-	1,342	3	16.4	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	24,001	25	20.8	5.0	12,662	28	21.2	5.5	10,782	23	20.3	4.4
Bio, Chem, Phys	823	1	23.5	7.7	419	1	24.2	8.5	388	1	22.9	7.0
Gen Sci ² , Bio, Chem	39,620	41	19.4	3.6	16,178	35	19.3	3.6	22,491	48	19.5	3.6
Other comb of 3 years of Natural Science	5,218	5	16.8	1.0	2,964	6	17.0	1.3	2,096	4	16.5	0.6
Less than 3 years of Natural Science	22,494	23	15.8	-	11,822	26	15.7	-	10,042	21	15.9	-
Zero years / no Natural Science courses reported	3,626	4	16.5	-	1,667	4	16.2	-	1,393	3	16.4	-

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: 95,782

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	11,322	12	20.2	64	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	69,322	72	17.3	44	1,265,911	70	20.3	65
Less than 4 years of English	12,150	13	13.9	23	84,048	5	15.9	36
Zero years / no English courses reported	2,988	3	14.5	28	68,909	4	16.4	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,541	3	22.0	54	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	4,260	4	21.5	51	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	3,407	4	18.2	19	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	35,035	37	19.0	26	336,291	19	19.6	32
Other comb of 4 or more years of Math	24,440	26	23.0	62	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	11,471	12	16.8	9	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	5,278	6	18.3	22	88,866	5	19.7	34
Less than 3 years of Math	6,023	6	15.8	5	77,906	4	16.3	7
Zero years / no Math courses reported	3,327	3	17.6	18	72,640	4	17.9	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	3,906	4	19.9	37	50,989	3	22.2	51
Other comb of 4 or more years Social Science	28,322	30	21.7	49	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	21,578	23	17.0	19	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	27,267	28	18.9	30	489,586	27	21.0	43
Less than 3 years of Social Science	11,098	12	15.2	12	171,617	10	19.1	32
Zero years / no Social Science courses reported	3,611	4	16.1	17	72,636	4	17.7	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	24,001	25	20.8	40	767,293	43	21.9	46
Bio, Chem, Phys	823	1	23.5	61	183,685	10	23.0	54
Gen Sci ¹ , Bio, Chem	39,620	41	19.4	27	504,165	28	19.9	28
Other comb of 3 years of Natural Science	5,218	5	16.8	13	51,822	3	19.1	25
Less than 3 years of Natural Science	22,494	23	15.8	7	218,267	12	18.0	17
Zero years / no Natural Science courses reported	3,626	4	16.5	14	74,011	4	17.8	18

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: 95,782

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	1,908	2	17.6	430	4	15.2	1,356	2	18.4
Architecture	1,178	1	18.4	111	1	14.3	1,000	1	18.9
Area, Ethnic, & Multidisciplinary Studies	176	0	19.2	20	0	14.1	148	0	20.1
Arts: Visual & Performing	8,868	9	18.1	1,162	11	15.2	7,177	10	18.7
Business	6,602	7	19.1	623	6	15.0	5,693	8	19.5
Communications	1,715	2	20.0	96	1	15.7	1,558	2	20.3
Community, Family, & Personal Services	5,304	6	16.4	1,221	12	15.0	3,752	5	17.0
Computer Science & Mathematics	2,153	2	20.7	197	2	16.2	1,876	3	21.3
Education	3,818	4	19.0	272	3	15.2	3,406	5	19.4
Engineering	6,181	6	20.8	535	5	15.0	5,389	7	21.5
Engineering Technology & Drafting	1,872	2	17.6	373	4	14.9	1,401	2	18.4
English & Foreign Languages	980	1	22.2	58	1	17.0	859	1	22.7
Health Administration & Assisting	2,158	2	16.5	358	3	15.2	1,684	2	16.9
Health Sciences & Technologies	19,482	20	19.1	1,417	14	15.7	17,410	24	19.4
Philosophy, Religion, & Theology	479	1	20.4	24	0	15.5	423	1	20.8
Repair, Production, & Construction	1,901	2	15.9	944	9	15.3	800	1	16.8
Sciences: Biological & Physical	4,870	5	22.1	95	1	15.7	4,571	6	22.3
Social Sciences & Law	7,725	8	20.0	291	3	15.7	7,115	10	20.3
Undecided	6,558	7	19.7	731	7	14.9	4,971	7	20.6
No Response	11,223	12	15.5	1,142	11	13.4	2,003	3	15.2

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: 95,782

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	2,242	14.7	541	13.2	43	13.6	1,112	15.6	256	14.3
2-yr College Degree	8,049	15.1	1,809	13.5	167	14.0	4,065	16.1	1,078	14.3
Bachelors Degree	39,554	18.2	9,099	15.2	449	16.1	21,660	19.8	3,725	16.8
Graduate Study	13,005	21.6	2,061	17.2	105	19.0	8,087	23.0	1,026	19.7
Prof. Level Degree	20,396	21.0	4,589	17.5	200	18.3	10,366	22.7	1,995	19.1
Other	2,463	15.9	484	14.1	37	14.8	1,239	16.9	308	14.7
No Response	10,073	16.7	2,344	14.2	118	15.2	4,413	18.1	1,040	15.4

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	2,242	14.7	31	15.4	1	16.0	80	15.2	178	14.0
2-yr College Degree	8,049	15.1	93	14.3	11	14.7	268	15.4	558	14.5
Bachelors Degree	39,554	18.2	753	17.9	64	16.6	1,541	17.9	2,263	17.7
Graduate Study	13,005	21.6	382	23.2	29	20.4	468	21.1	847	21.2
Prof. Level Degree	20,396	21.0	888	24.3	24	18.9	988	20.5	1,346	21.2
Other	2,463	15.9	70	17.2	0	.	97	16.8	228	15.8
No Response	10,073	16.7	186	19.1	30	15.9	332	16.6	1,610	17.0

Total Students in Report: 95,782

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
EAST CAROLINA UNIVERSITY	North Carolina	17,750	5,678	12,072	7	22	34	26	10	2	0
NORTH CAROLINA STATE UNIV AT RALEIGH	North Carolina	17,145	6,367	10,778	4	13	24	28	21	9	1
STATE-COLLEGE/NO REPORTS NOW	Iowa	16,442	16,441	1	13	25	26	18	11	6	1
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	15,713	5,794	9,919	4	13	22	26	21	12	2
APPALACHIAN STATE UNIVERSITY	North Carolina	14,121	5,042	9,079	3	14	29	31	17	5	0
UNIV OF NORTH CAROLINA AT WILMINGTON	North Carolina	11,888	2,920	8,968	3	13	29	33	18	5	0
UNIV OF NORTH CAROLINA AT CHARLOTTE	North Carolina	11,259	2,888	8,371	6	19	32	28	12	3	0
UNIV OF NORTH CAROLINA AT GREENSBORO	North Carolina	7,575	1,516	6,059	8	22	33	23	10	3	0
WESTERN CAROLINA UNIVERSITY	North Carolina	5,970	1,509	4,461	4	18	36	29	11	2	0
DUKE UNIVERSITY	North Carolina	5,928	1,542	4,386	8	18	23	20	17	12	3
WAKE FOREST UNIVERSITY	North Carolina	5,007	753	4,254	8	20	26	21	16	8	1
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	4,063	1,196	2,867	16	35	33	12	3	1	0
WINSTON-SALEM STATE UNIVERSITY	North Carolina	3,826	878	2,948	18	38	31	10	2	0	0
NORTH CAROLINA CENTRAL UNIVERSITY	North Carolina	3,458	856	2,602	19	37	32	9	3	0	0
CAMPBELL UNIVERSITY	North Carolina	2,770	749	2,021	6	21	31	25	14	3	0
UNIV OF NORTH CAROLINA AT ASHEVILLE	North Carolina	2,611	507	2,104	4	14	26	28	20	7	0
UNIV OF NORTH CAROLINA AT PEMBROKE	North Carolina	2,483	552	1,931	9	30	36	19	5	1	0
ART INSTITUTE OF CHARLOTTE THE	North Carolina	2,441	946	1,495	12	30	34	17	7	1	0
STATE-NO COLLEGE PLANS	Iowa	2,374	2,374	0	38	39	16	5	2	0	0
FAYETTEVILLE STATE UNIVERSITY	North Carolina	2,195	506	1,689	23	39	29	8	1	0	0
CLEMSON UNIVERSITY	South Carolina	2,080	439	1,641	4	13	19	24	24	15	2
LENOIR-RHYNE UNIVERSITY	North Carolina	2,023	323	1,700	5	20	35	27	10	2	0
WAKE TECHNICAL COMMUNITY COLLEGE	North Carolina	1,987	608	1,379	13	29	31	18	7	2	0
ELON UNIVERSITY	North Carolina	1,855	364	1,491	4	12	21	27	23	11	1
HIGH POINT UNIVERSITY	North Carolina	1,854	359	1,495	9	23	29	23	13	4	0
UNIV OF NORTH CAROLINA SCH OF THE ARTS	North Carolina	1,805	342	1,463	12	24	30	21	10	3	0
JOHNSON & WALES UNIVERSITY-CHARLOTTE	North Carolina	1,699	662	1,037	14	35	32	14	4	1	0
CAPE FEAR COMMUNITY COLLEGE	North Carolina	1,554	575	979	10	32	37	17	4	0	0
WINGATE UNIVERSITY	North Carolina	1,419	226	1,193	6	20	32	27	11	3	0
GARDNER-WEBB UNIVERSITY	North Carolina	1,340	322	1,018	6	21	34	27	10	3	0
All Other Institutions		92,244	24,730	67,514	11	26	27	19	11	6	1
Total		264,879	87,964	176,915	9	22	28	22	13	5	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.

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
All Students	92,968	942,769	17.1	21.3	6.2	7.0	16.7	20.5
Black/African American	20,268	114,751	13.5	16.3	5.5	6.1	13.4	16.0
American Indian/Alaska Native	1,096	6,031	13.9	16.8	5.6	6.1	13.9	16.4
White	49,384	518,407	19.0	22.9	6.5	7.2	18.4	21.9
Hispanic/Latino	9,250	151,504	14.8	18.6	6.0	6.8	14.9	18.3
Asian	2,336	54,580	19.2	23.5	6.7	7.6	18.7	22.7
Native Hawaiian/Other Pac. Isl.	155	2,812	15.9	19.5	5.8	6.9	15.4	19.2
Two or more races	3,660	35,355	17.1	21.5	6.1	7.0	16.6	20.6
Prefer not/No Response	6,819	59,329	16.6	21.8	6.0	7.1	16.2	20.9
Males	44,136	423,104	16.4	21.0	5.8	6.7	15.8	20.1
Females	45,995	513,945	17.8	21.6	6.5	7.2	17.5	20.9
Missing	2,837	5,720	15.5	16.6	5.9	6.3	15.3	16.5

