

ACT Profile Report - National

Graduating Class 2013 - Black/African American Students
National



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

This report focuses on:

Performance - student test performance in the context of college readiness

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

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

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

Awareness - extent to which student aspirations match performance

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

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

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

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

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

The ACT:

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

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

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

5% 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: 239,598 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. 69% 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, 2% were college ready. 15% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 3% of these students were college ready. In comparison, 17% 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 14% of the cohort took less than three years of natural science courses. 4% of these students were college ready. In comparison, 11% 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 80% 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 1-319-337-1309 or customerservices@act.org.

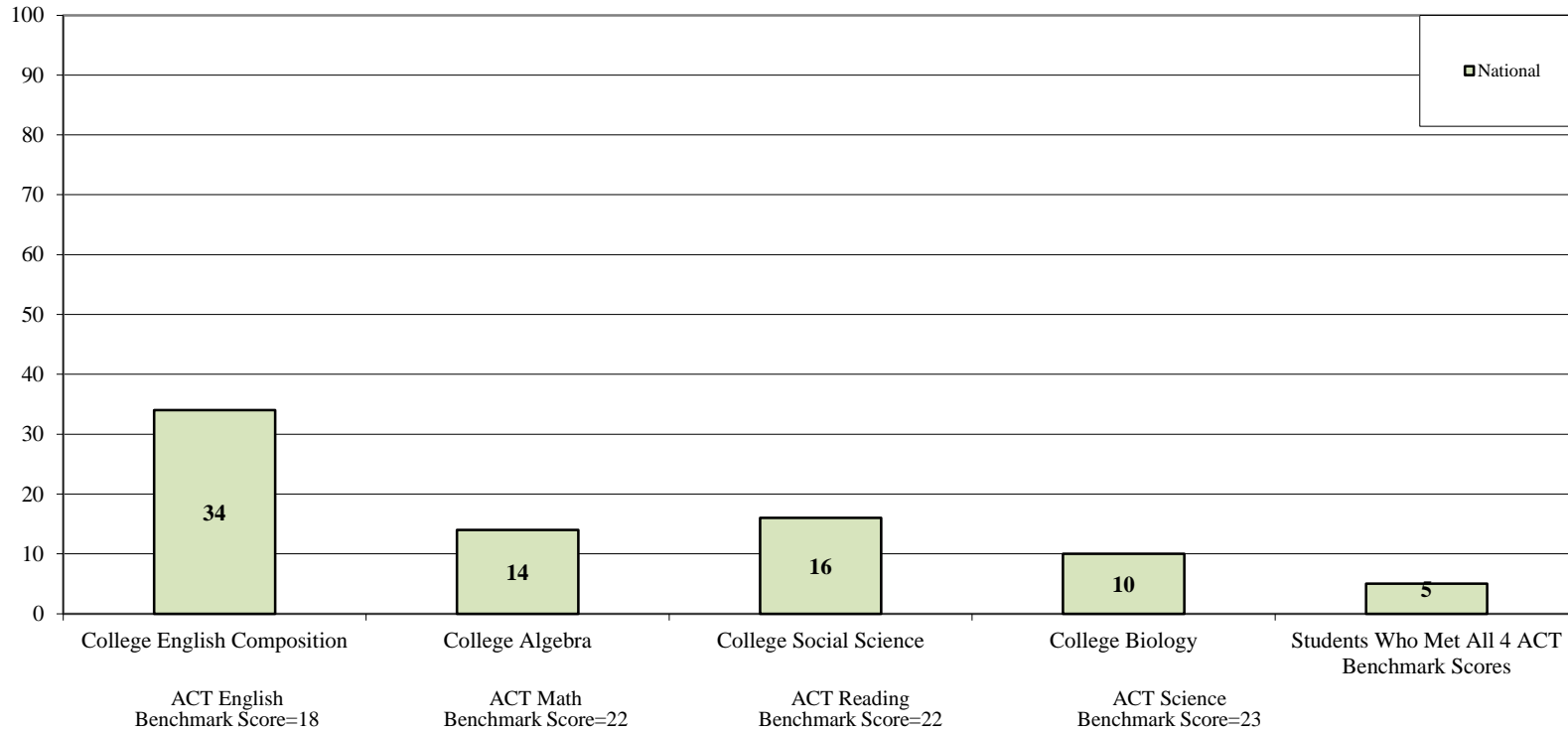
Section I

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.

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

Year	Number of Students Tested National	Percent Who Met Benchmarks				
		English National	Mathematics National	Reading National	Science National	Met All Four National
2009	196,149	35	12	20	6	4
2010	214,836	34	13	21	6	4
2011	223,383	35	14	21	6	4
2012	222,237	36	15	22	7	5
2013	239,598	34	14	16	10	5

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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2009	196,149	16.0	17.1	16.9	17.2	16.9
2010	214,836	15.7	17.1	16.8	17.2	16.9
2011	223,383	15.9	17.2	17.0	17.1	17.0
2012	222,237	16.0	17.3	17.2	17.2	17.0
2013	239,598	15.7	17.2	17.0	16.9	16.9

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	125,452	59,614	64	30	16.9	14.6	17.6	16.2	17.6	15.9	17.8	16.3	17.6	15.9
2010	140,110	62,340	65	29	16.6	14.3	17.7	16.2	17.5	15.7	17.9	16.3	17.5	15.8
2011	154,250	58,061	69	26	16.7	14.5	17.7	16.3	17.6	16.0	17.7	16.1	17.5	15.9
2012	160,112	52,935	72	24	16.6	14.5	17.7	16.4	17.6	16.1	17.6	16.2	17.5	15.9
2013	164,790	62,122	69	26	16.5	14.2	17.7	16.3	17.7	15.7	17.5	15.8	17.5	15.6

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	196,149	100	16.9	214,836	100	16.9	223,383	100	17.0	222,237	100	17.0	239,598	100	16.9
Black/African American	196,149	100	16.9	214,836	100	16.9	223,383	100	17.0	222,237	100	17.0	239,598	100	16.9
American Indian/Alaska Native	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.
White	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.
Hispanic/Latino	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.
Asian	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.
Two or more races	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.
Prefer not to respond/No response	0	0	.	0	0	.	0	0	.	0	0	.	0	0	.

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

CRS Range	English (Benchmark = 18)	Mathematics (Benchmark = 22)	Reading (Benchmark = 22)	Science (Benchmark = 23)
1-12	30%	2%	18%	16%
13-15	24%	34%	25%	22%
16-19	21%	44%	29%	34%
20-23	16%	12%	17%	21%
24-27	6%	7%	6%	6%
28-32	2%	1%	3%	1%
33-36	1%	0%	1%	0%
% At or Above Benchmark	34%	14%	16%	10%


 = National

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

Student Group	Test Session Duration	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
National	Standard Time	229,901	96	15.9	17.3	17.1	17.0	17.0
	Extended Time	9,697	4	11.9	15.0	14.2	14.5	14.0
	Total	239,598	100	15.7	17.2	17.0	16.9	16.9

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	
National	Standard Time	35	14	17	10	5
	Extended Time	10	3	7	3	1
	Total	34	14	16	10	5

Section II

Academic Achievement

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

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

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	55	100	32	100	172	100	63	100	4	100	36
35	255	100	85	100	183	100	73	100	27	100	35
34	349	100	178	100	498	100	87	100	68	100	34
33	587	100	176	100	685	100	92	100	160	100	33
32	555	99	243	100	961	99	200	100	216	100	32
31	719	99	245	100	1,565	99	297	100	409	100	31
30	971	99	425	100	1,449	98	431	100	633	100	30
29	1,044	99	668	99	1,604	98	514	99	879	99	29
28	1,598	98	1,263	99	2,084	97	798	99	1,354	99	28
27	1,744	97	2,128	99	2,348	96	1,176	99	1,803	98	27
26	2,788	97	3,355	98	2,798	95	1,979	98	2,508	98	26
25	3,611	96	4,510	96	3,338	94	3,887	98	3,347	97	25
24	5,061	94	5,934	94	6,847	93	6,414	96	4,661	95	24
23	6,036	92	6,720	92	6,469	90	7,014	93	6,137	93	23
22	8,152	89	7,001	89	8,363	87	9,510	90	8,246	91	22
21	10,949	86	7,298	86	13,184	84	16,312	86	10,636	87	21
20	14,147	81	7,530	83	13,765	78	17,671	80	12,957	83	20
19	10,635	76	11,879	80	15,549	72	20,380	72	15,891	77	19
18	11,083	71	15,333	75	17,518	66	23,441	64	19,652	71	18
17	11,955	66	29,847	69	16,908	59	17,328	54	22,549	63	17
16	17,557	61	49,141	56	19,227	51	20,805	47	25,673	53	16
15	22,785	54	46,570	36	20,022	43	18,486	38	27,004	42	15
14	19,051	45	23,798	16	20,780	35	17,051	30	26,398	31	14
13	16,378	37	10,169	6	20,280	26	16,245	23	23,282	20	13
12	14,937	30	3,192	2	19,461	18	13,076	16	15,311	10	12
11	16,910	24	1,223	1	12,171	10	11,841	11	6,791	4	11
10	14,891	17	305	1	5,807	5	7,541	6	1,974	1	10
9	10,840	10	154	1	2,445	2	3,667	3	668	1	9
8	7,901	6	100	1	1,393	1	1,707	1	227	1	8
7	3,591	3	18	1	752	1	737	1	88	1	7
6	1,533	1	37	1	476	1	385	1	32	1	6
5	581	1	1	1	240	1	148	1	8	1	5
4	227	1	28	1	156	1	101	1	5	1	4
3	86	1	1	1	28	1	91	1	0	1	3
2	31	1	0	1	50	1	8	1	0	1	2
1	5	1	11	1	22	1	42	1	0	1	1
Avg (SD)	15.7 (5.3)		17.2 (3.6)		17.0 (4.9)		16.9 (4.3)		16.9 (4.0)		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.

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	937	100	406	100	676	100	1,396	100	988	100	102	100	125	100	18
17	2,136	100	348	100	1,962	100	2,532	99	1,556	100	258	100	50	100	17
16	2,287	99	1,886	100	2,933	99	4,102	98	1,966	99	596	100	809	100	16
15	2,863	98	3,231	99	3,307	98	5,611	97	3,700	98	2,223	100	1,904	100	15
14	3,933	97	4,627	98	5,369	96	6,402	94	4,813	97	4,504	99	3,884	99	14
13	5,329	95	7,007	96	9,103	94	8,898	92	8,776	95	10,608	97	5,944	97	13
12	7,709	93	13,362	93	14,307	90	11,634	88	12,193	91	13,085	92	13,840	95	12
11	14,483	89	15,875	87	17,478	84	19,407	83	14,346	86	22,080	87	16,462	89	11
10	20,468	83	19,694	80	22,180	77	19,440	75	20,926	80	38,037	78	24,582	82	10
9	23,501	75	31,801	72	32,613	68	22,778	67	17,494	71	35,994	62	48,368	72	9
8	23,560	65	33,603	59	34,635	54	30,215	57	34,670	64	46,167	47	42,371	52	8
7	28,869	55	29,768	45	36,662	40	26,757	45	54,205	49	26,391	28	29,398	34	7
6	29,050	43	25,212	33	24,568	24	27,707	34	33,852	27	17,319	17	20,541	22	6
5	28,372	31	22,709	22	19,674	14	29,766	22	18,217	13	8,506	9	11,919	13	5
4	22,473	19	18,212	13	6,409	6	14,203	10	7,497	5	6,352	6	9,922	8	4
3	16,116	10	9,261	5	4,369	3	6,046	4	3,161	2	4,611	3	3,823	4	3
2	6,637	3	2,213	1	2,380	1	2,497	1	1,057	1	866	1	3,549	2	2
1	875	1	383	1	973	1	207	1	181	1	1,899	1	2,107	1	1
Avg (SD)	7.4 (3.3)		8.0 (3.0)		8.5 (3.0)		8.3 (3.3)		8.2 (2.8)		8.8 (2.6)		8.3 (2.6)		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)	19	18	20	20	19
Q2 (50th Percentile)	15	16	16	17	16
Q1 (25th Percentile)	12	15	13	14	14

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
National	All Students	239,598	69	17.5	15.6
	Black/African American	239,598	69	17.5	15.6
	American Indian/Alaska Native	0	.	.	.
	White	0	.	.	.
	Hispanic/Latino	0	.	.	.
	Asian	0	.	.	.
	Native Hawaiian/Other Pac. Isl.	0	.	.	.
	Two or more races	0	.	.	.
	Prefer not/No Response	0	.	.	.

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
National	All Students	15.7	17.2	17.0	16.9	16.9
	Black/African American	15.7	17.2	17.0	16.9	16.9
	American Indian/Alaska Native	.	.	.	.	.
	White	.	.	.	.	.
	Hispanic/Latino	.	.	.	.	.
	Asian	.	.	.	.	.
	Native Hawaiian/Other Pac. Isl.	.	.	.	.	.
	Two or more races	.	.	.	.	.
	Prefer not/No Response	.	.	.	.	.

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

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
National	33 to 36	1,246	1	471	0	1,538	1	315	0
	28 to 32	4,887	2	2,844	1	7,663	3	2,240	1
	24 to 27	13,204	6	15,927	7	15,331	6	13,456	6
	20 to 23	39,284	16	28,549	12	41,781	17	50,507	21
	16 to 19	51,230	21	106,200	44	69,202	29	81,954	34
	13 to 15	58,214	24	80,537	34	61,082	25	51,782	22
	01 to 12	71,533	30	5,070	2	43,001	18	39,344	16

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
National	Males	108,258	45	15.2	17.2	16.5	16.9	16.6
	Females	131,296	55	16.2	17.2	17.5	17.0	17.1
	Missing	44	0	11.8	15.0	14.3	15.0	14.1

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

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
National	Males	30	14	14	10	5
	Females	37	13	18	9	5

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
National	Core or More ²	164,790	39	16.5	17	17.7	20	17.7	12	17.5	6	17.5
	Less than Core	62,122	22	14.2	8	16.3	10	15.7	5	15.8	3	15.6
	Missing ³	12,686	15	12.9	5	15.6	7	14.6	3	15.0	1	14.6

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
National	Core or More ²	213,484	36	16.1	214,039	15	17.4	198,577	18	17.4	195,377	11	17.3
	Less than Core	15,847	15	13.0	14,656	2	15.3	29,808	11	15.7	32,828	4	15.4
	Missing ³	10,267	16	13.0	10,903	5	15.6	11,213	7	14.6	11,393	4	15.0

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

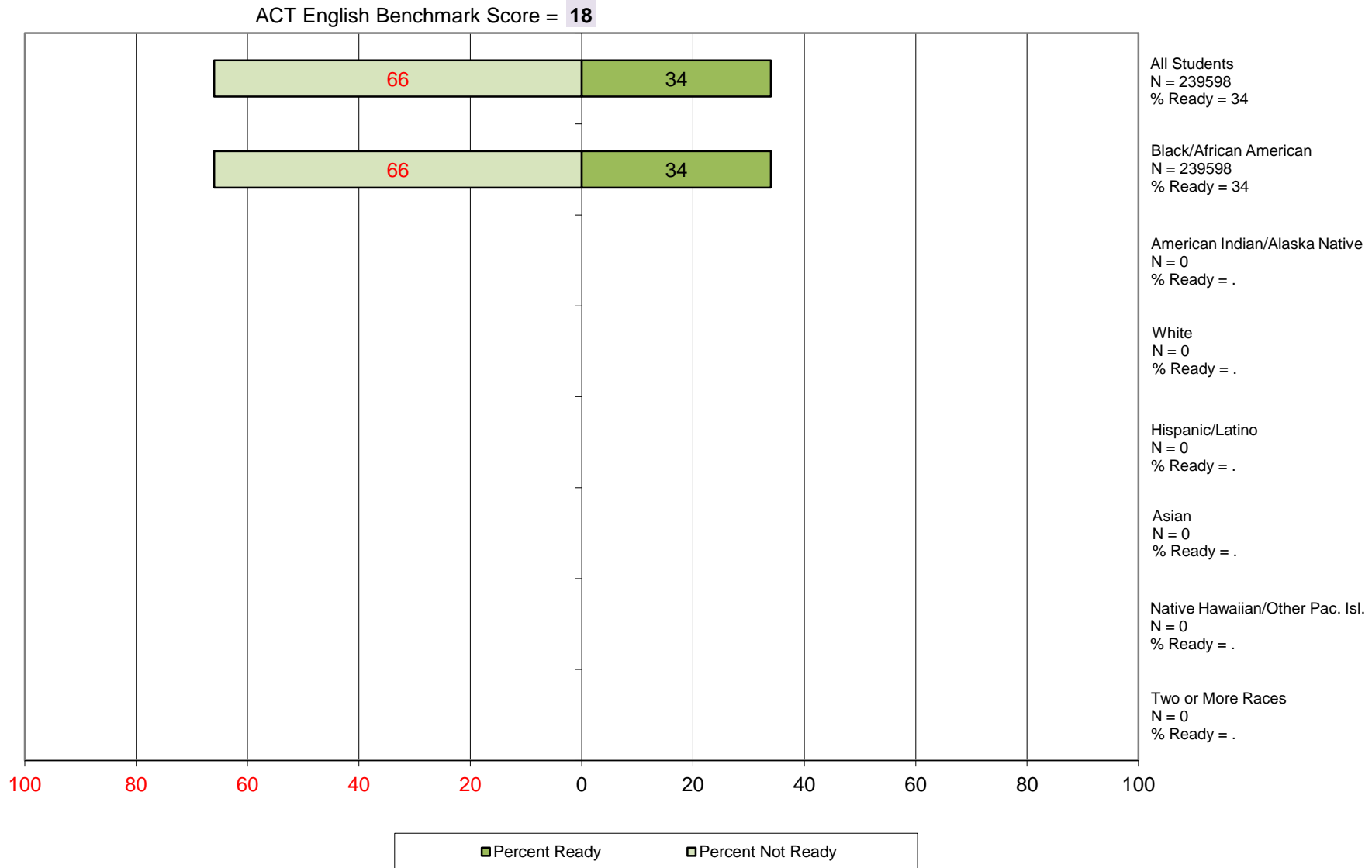


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

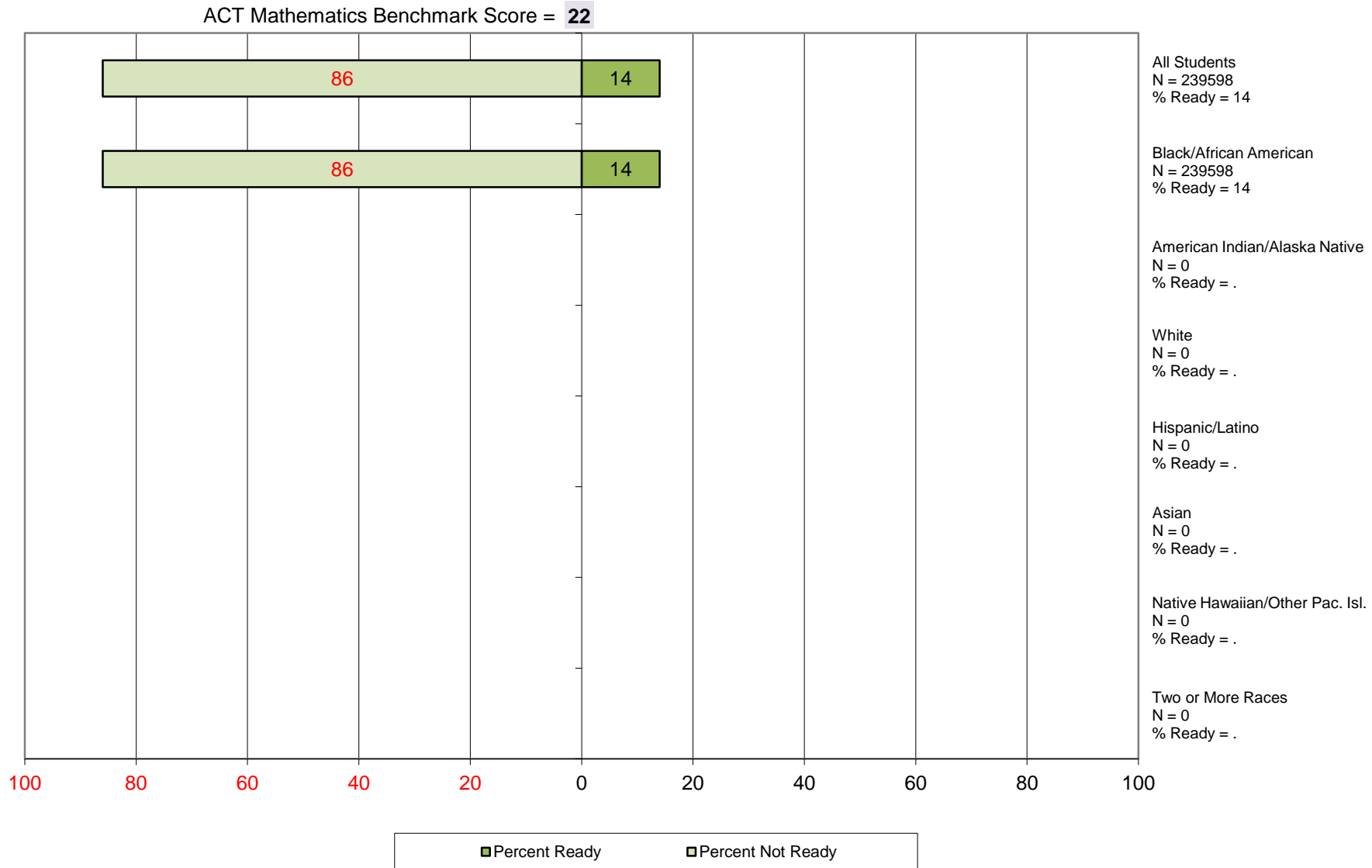


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

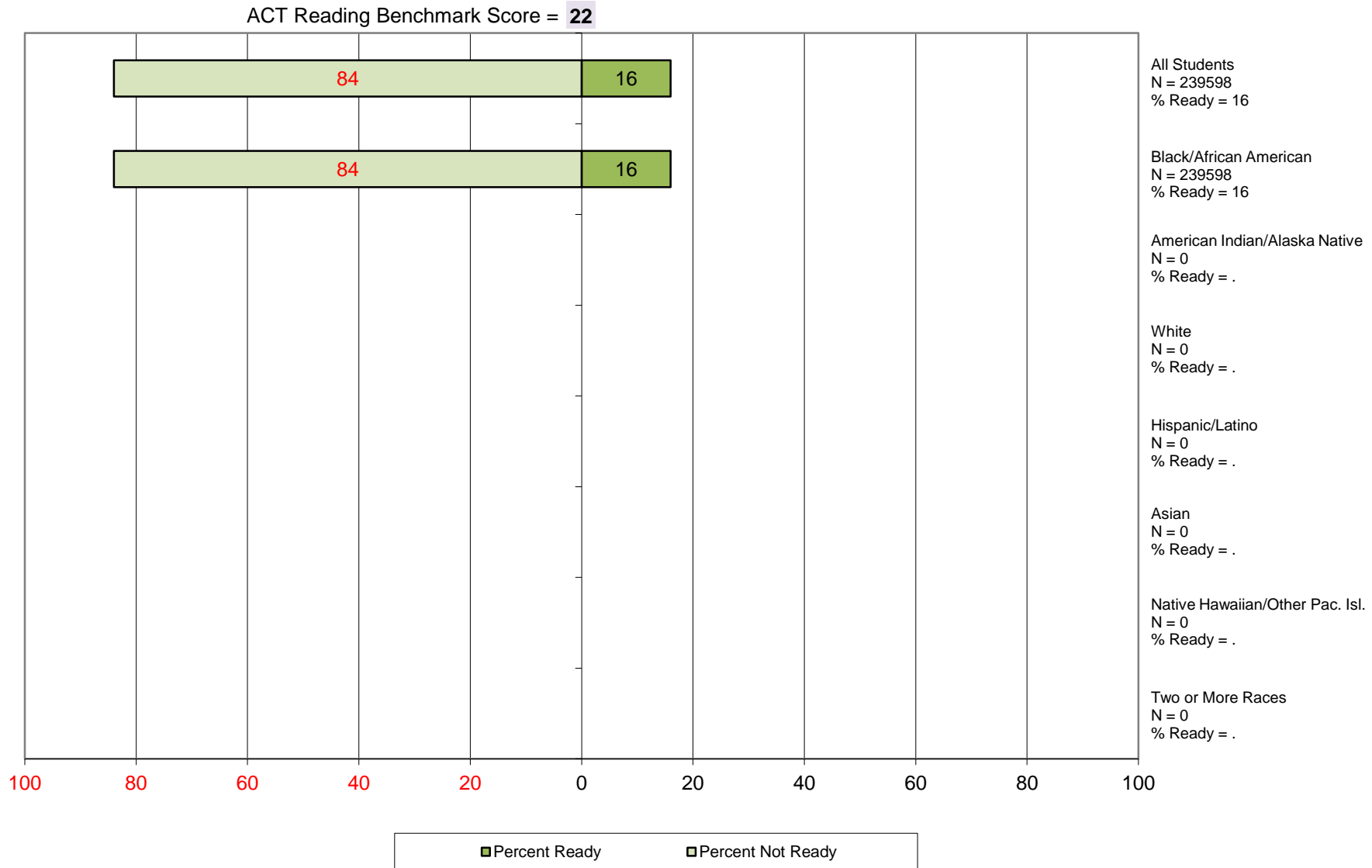


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

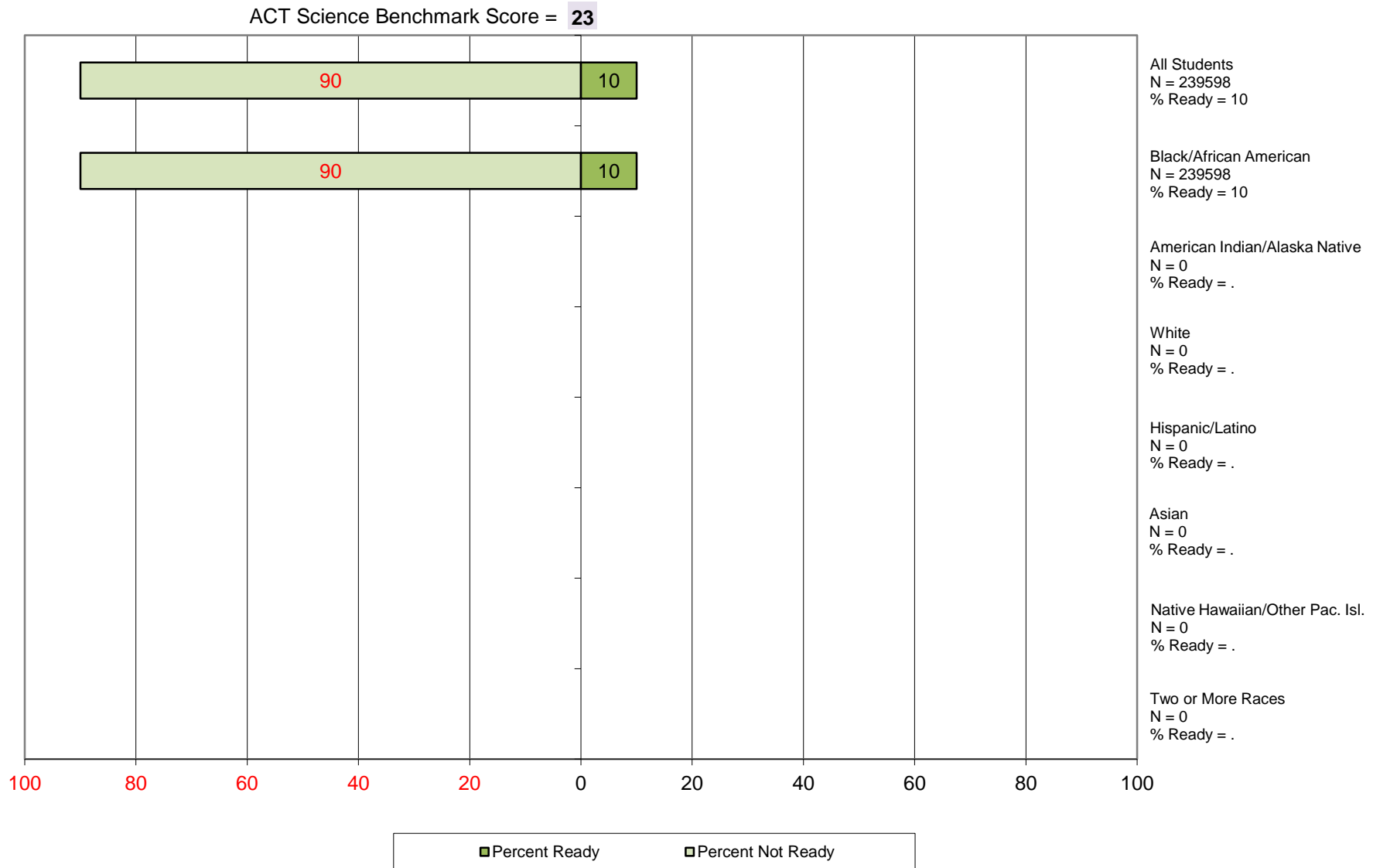


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

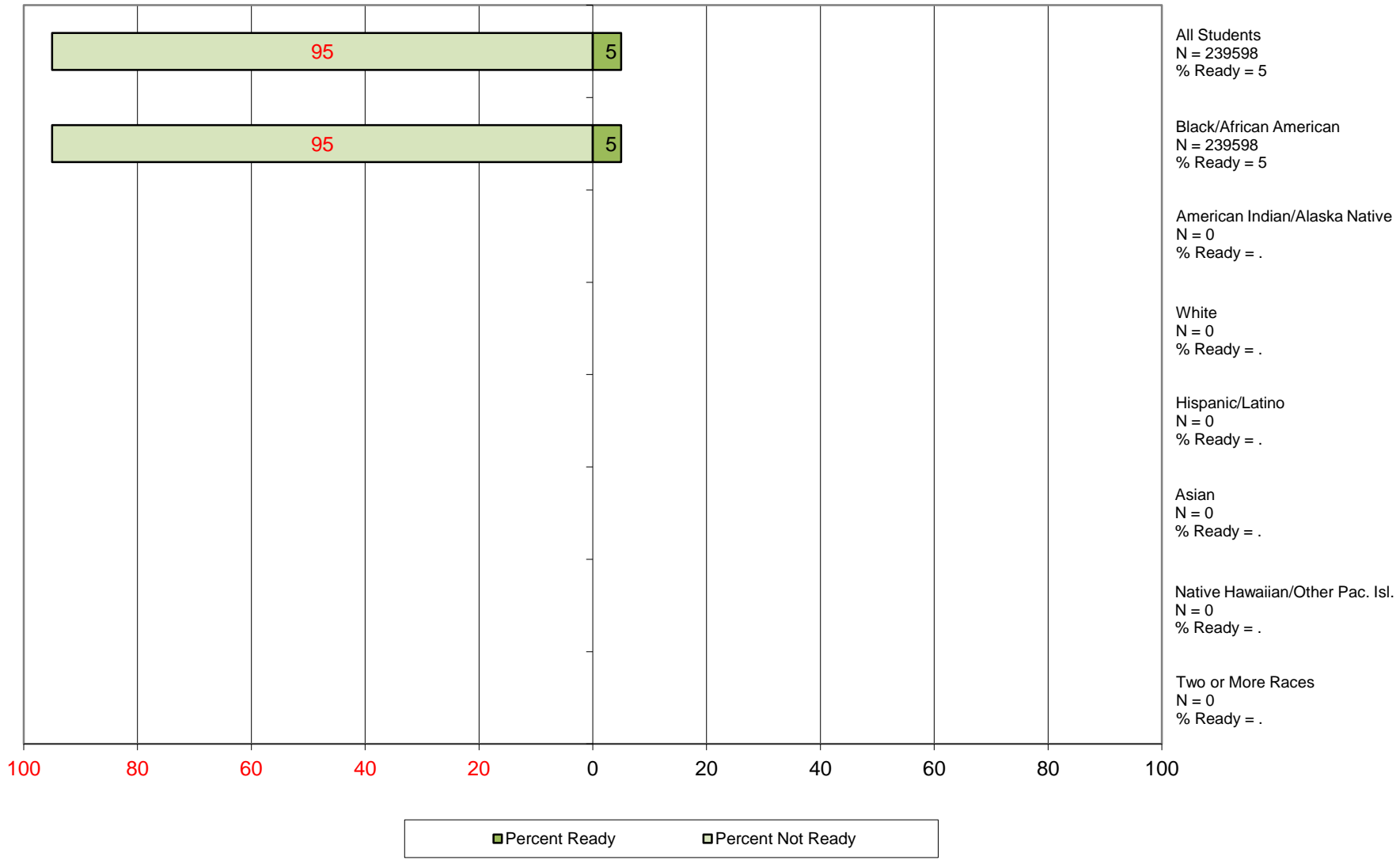


Table 3.1. Average ACT Scores and Average ACT Score Changes by Common Course Patterns

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	45,281	19	16.5	3.5	19,471	18	15.9	3.3	25,808	20	16.9	3.6
Eng 9, Eng 10, Eng 11, Eng 12	168,203	70	16.0	3.0	74,734	69	15.5	2.9	93,451	71	16.4	3.1
Less than 4 years of English	15,847	7	13.0	-	8,387	8	12.6	-	7,448	6	13.3	-
Zero years / no English courses reported	10,267	4	13.0	-	5,666	5	12.8	-	4,589	3	13.4	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	12,091	5	18.3	3.0	4,978	5	18.5	3.2	7,112	5	18.2	2.9
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	16,463	7	18.5	3.2	6,059	6	18.6	3.3	10,403	8	18.4	3.1
Alg 1, Alg 2, Geom, & Trig	19,283	8	16.8	1.5	8,507	8	16.8	1.5	10,773	8	16.7	1.4
Alg 1, Alg 2, Geom, & Other Adv Math	47,139	20	17.2	1.9	19,330	18	17.3	2.0	27,806	21	17.2	1.9
Other comb of 4 or more years of Math	68,385	29	18.4	3.1	31,344	29	18.5	3.2	37,038	28	18.3	3.0
Alg 1, Alg 2, & Geom	36,567	15	15.7	0.4	17,816	16	15.8	0.5	18,740	14	15.7	0.4
Other comb of 3 or 3.5 years of Math	14,111	6	16.9	1.6	6,610	6	16.9	1.6	7,500	6	16.8	1.5
Less than 3 years of Math	14,656	6	15.3	-	7,598	7	15.3	-	7,053	5	15.3	-
Zero years / no Math courses reported	10,903	5	15.6	-	6,016	6	15.7	-	4,871	4	15.6	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	5,740	2	17.2	1.5	2,882	3	16.7	1.4	2,858	2	17.7	1.6
Other comb of 4 or more years Social Science	111,089	46	17.7	2.0	47,478	44	17.2	1.9	63,606	48	18.1	2.0
US Hist, World Hist, & Am Gov	17,645	7	16.0	0.3	8,357	8	15.6	0.3	9,282	7	16.3	0.2
Other comb of 3 or 3.5 years of Social Science	64,103	27	17.2	1.5	28,389	26	16.7	1.4	35,709	27	17.6	1.5
Less than 3 years of Social Science	29,808	12	15.7	-	14,946	14	15.3	-	14,851	11	16.1	-
Zero years / no Social Science courses reported	11,213	5	14.6	-	6,206	6	14.4	-	4,990	4	15.0	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	99,073	41	17.5	2.1	45,243	42	17.7	2.4	53,822	41	17.4	1.9
Bio, Chem, Phys	18,291	8	18.6	3.2	7,485	7	18.8	3.5	10,806	8	18.4	2.9
Gen Sci ² , Bio, Chem	70,570	29	16.8	1.4	29,751	27	16.7	1.4	40,810	31	16.9	1.4
Other comb of 3 years of Natural Science	7,443	3	15.8	0.4	3,674	3	15.9	0.6	3,766	3	15.7	0.2
Less than 3 years of Natural Science	32,828	14	15.4	-	15,825	15	15.3	-	16,994	13	15.5	-
Zero years / no Natural Science courses reported	11,393	5	15.0	-	6,280	6	15.0	-	5,098	4	15.1	-

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.

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
ENGLISH COURSE PATTERN				
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	45,281	19	16.5	39
Eng 9, Eng 10, Eng 11, Eng 12	168,203	70	16.0	35
Less than 4 years of English	15,847	7	13.0	15
Zero years / no English courses reported	10,267	4	13.0	16
MATHEMATICS COURSE PATTERN				
Alg 1, Alg 2, Geom, Trig, & Calc	12,091	5	18.3	22
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	16,463	7	18.5	22
Alg 1, Alg 2, Geom, & Trig	19,283	8	16.8	9
Alg 1, Alg 2, Geom, & Other Adv Math	47,139	20	17.2	11
Other comb of 4 or more years of Math	68,385	29	18.4	24
Alg 1, Alg 2, & Geom	36,567	15	15.7	3
Other comb of 3 or 3.5 years of Math	14,111	6	16.9	11
Less than 3 years of Math	14,656	6	15.3	2
Zero years / no Math courses reported	10,903	5	15.6	5
SOCIAL SCIENCE COURSE PATTERN				
US Hist, World Hist, Am Gov, & Other Hist	5,740	2	17.2	18
Other comb of 4 or more years Social Science	111,089	46	17.7	20
US Hist, World Hist, & Am Gov	17,645	7	16.0	11
Other comb of 3 or 3.5 years of Social Science	64,103	27	17.2	17
Less than 3 years of Social Science	29,808	12	15.7	11
Zero years / no Social Science courses reported	11,213	5	14.6	7
NATURAL SCIENCE COURSE PATTERN				
Gen Sci ¹ , Bio, Chem, & Phys	99,073	41	17.5	12
Bio, Chem, Phys	18,291	8	18.6	18
Gen Sci ¹ , Bio, Chem	70,570	29	16.8	8
Other comb of 3 years of Natural Science	7,443	3	15.8	5
Less than 3 years of Natural Science	32,828	14	15.4	4
Zero years / no Natural Science courses reported	11,393	5	15.0	4

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.

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	1,531	1	16.0	269	1	13.5	1,132	1	16.7
Architecture	2,683	1	17.2	168	1	14.2	2,279	1	17.5
Area, Ethnic, & Multidisciplinary Studies	329	0	17.5	32	0	14.6	256	0	18.0
Arts: Visual & Performing	18,202	8	16.4	2,038	11	14.4	14,504	8	16.8
Business	26,856	11	16.8	2,640	14	14.4	21,917	12	17.2
Communications	6,559	3	17.5	320	2	14.7	5,767	3	17.7
Community, Family, & Personal Services	9,796	4	15.5	1,539	8	14.1	7,506	4	15.8
Computer Science & Mathematics	5,408	2	17.7	436	2	14.5	4,575	2	18.1
Education	8,810	4	16.3	593	3	14.2	7,455	4	16.6
Engineering	14,419	6	18.1	970	5	14.4	12,235	7	18.5
Engineering Technology & Drafting	4,351	2	16.3	610	3	14.2	3,384	2	16.8
English & Foreign Languages	1,547	1	18.9	70	0	15.8	1,341	1	19.3
Health Administration & Assisting	13,435	6	15.8	1,247	7	14.4	10,964	6	16.1
Health Sciences & Technologies	47,473	20	17.5	2,372	13	14.7	42,190	23	17.7
Philosophy, Religion, & Theology	693	0	17.0	37	0	14.7	597	0	17.2
Repair, Production, & Construction	1,833	1	14.8	698	4	14.2	946	1	15.3
Sciences: Biological & Physical	11,012	5	19.1	214	1	15.0	10,034	5	19.2
Social Sciences & Law	22,191	9	17.7	634	3	14.5	19,843	11	17.9
Undecided	22,876	10	16.7	1,639	9	14.2	16,362	9	17.2
No Response	18,664	8	14.4	1,652	9	13.0	2,987	2	14.1

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).

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	5,376	14.2	5,376	14.2	0	.	0	.	0	.
2-yr College Degree	13,130	14.3	13,130	14.3	0	.	0	.	0	.
Bachelors Degree	107,655	16.4	107,655	16.4	0	.	0	.	0	.
Graduate Study	24,690	18.7	24,690	18.7	0	.	0	.	0	.
Prof. Level Degree	54,437	18.8	54,437	18.8	0	.	0	.	0	.
Other	5,351	14.8	5,351	14.8	0	.	0	.	0	.
No Response	28,959	15.5	28,959	15.5	0	.	0	.	0	.

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Other Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	5,376	14.2	0	.	0	.	0	.	0	.
2-yr College Degree	13,130	14.3	0	.	0	.	0	.	0	.
Bachelors Degree	107,655	16.4	0	.	0	.	0	.	0	.
Graduate Study	24,690	18.7	0	.	0	.	0	.	0	.
Prof. Level Degree	54,437	18.8	0	.	0	.	0	.	0	.
Other	5,351	14.8	0	.	0	.	0	.	0	.
No Response	28,959	15.5	0	.	0	.	0	.	0	.

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

Section V

Optional Writing Test Results

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

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

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

	N National	Average ACT Scores		
		English National	Writing National	English/Writing Combined National
All Students	114,751	16.3	6.1	16.0
Black/African American	114,751	16.3	6.1	16.0
American Indian/Alaska Native	0	.	.	.
White	0	.	.	.
Hispanic/Latino	0	.	.	.
Asian	0	.	.	.
Native Hawaiian/Other Pac. Isl.	0	.	.	.
Two or more races	0	.	.	.
Prefer not/No Response	0	.	.	.
Males	49,176	15.6	5.7	15.2
Females	65,546	16.8	6.4	16.7
Missing	29	12.6	5.2	12.4

