

# ACT Profile Report - State

Graduating Class 2013  
Maryland



ACT, INC. -- CONFIDENTIAL





## Table of Contents

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

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

This report focuses on:

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

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

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

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

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

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

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

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

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

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

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

**The ACT:**

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

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

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores, updated for 2013, are:

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

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

## How to Improve Scores and Increase College Readiness

36% 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:** 13,820 of your students are included in this report (the 'cohort'). Increasing access insures that more students have the opportunity to consider college and allows the reader to use this report to evaluate how well courses and instructional programs are preparing students for college and work.

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

**MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES:** Table 3.2 reports 1% of the cohort took less than three years of math courses. Of these students, 12% were college ready. 8% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 9% of these students were college ready. In comparison, 59% 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 8% of the cohort took less than three years of natural science courses. 25% of these students were college ready. In comparison, 47% 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 39% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at [www.act.org/standard](http://www.act.org/standard).

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

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

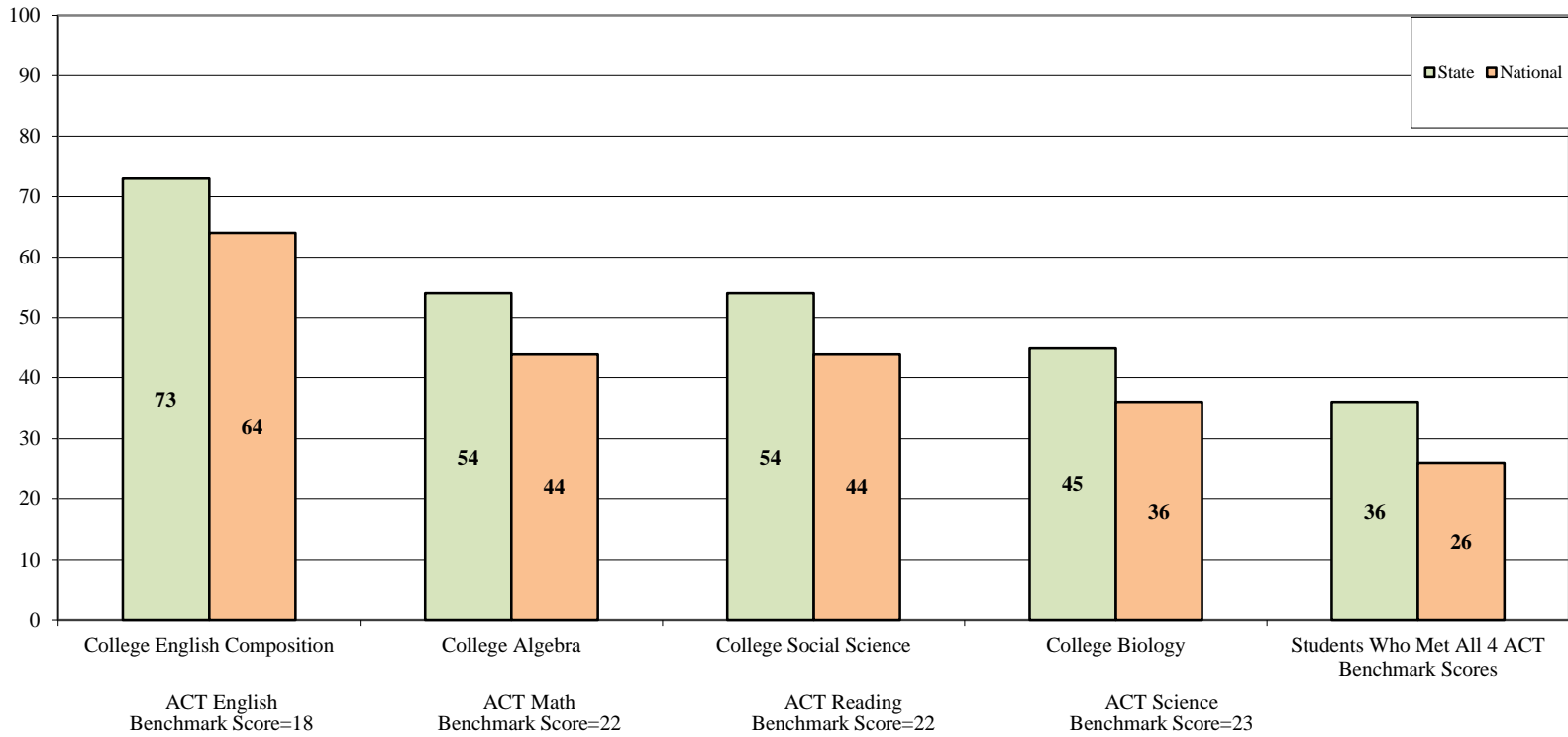
# Section I

## Executive Summary

Beginning 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		Percent Who Met Benchmarks									
			English		Mathematics		Reading		Science		Met All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2009	11,317	1,480,469	73	67	51	42	59	53	34	28	30	23
2010	11,924	1,568,835	73	66	53	43	59	52	37	29	32	24
2011	12,687	1,623,112	72	66	53	45	58	52	36	30	31	25
2012	13,334	1,666,017	72	67	53	46	58	52	37	31	33	25
<b>2013</b>	<b>13,820</b>	<b>1,799,243</b>	<b>73</b>	<b>64</b>	<b>54</b>	<b>44</b>	<b>54</b>	<b>44</b>	<b>45</b>	<b>36</b>	<b>36</b>	<b>26</b>

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

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2009	11,317	1,480,469	21.9	20.6	22.1	21.0	22.5	21.4	21.5	20.9	22.1	21.1
2010	11,924	1,568,835	22.0	20.5	22.3	21.0	22.4	21.3	21.8	20.9	22.3	21.0
2011	12,687	1,623,112	21.8	20.6	22.2	21.1	22.2	21.3	21.6	20.9	22.1	21.1
2012	13,334	1,666,017	21.6	20.5	22.2	21.1	22.3	21.3	21.7	20.9	22.1	21.1
<b>2013</b>	<b>13,820</b>	<b>1,799,243</b>	<b>21.8</b>	<b>20.2</b>	<b>22.3</b>	<b>20.9</b>	<b>22.7</b>	<b>21.1</b>	<b>21.9</b>	<b>20.7</b>	<b>22.3</b>	<b>20.9</b>

**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
<b>2013</b>	<b>1,799,243</b>	<b>20.2</b>	<b>20.9</b>	<b>21.1</b>	<b>20.7</b>	<b>20.9</b>

Total Students in Report: 13,820

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

Year	Number of Students Tested		Percent <sup>2</sup>		Average ACT Scores									
	Core or More <sup>1</sup>	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2009	9,193	1,898	81	17	22.3	20.8	22.4	21.0	22.8	21.5	21.8	20.5	22.5	21.1
2010	9,678	2,084	81	17	22.4	20.3	22.7	20.8	22.8	21.0	22.2	20.4	22.7	20.7
2011	10,317	2,148	81	17	22.2	20.0	22.6	20.6	22.6	20.7	22.0	20.2	22.5	20.5
2012	10,906	2,231	82	17	22.1	19.6	22.6	20.4	22.7	20.7	22.1	20.1	22.5	20.3
<b>2013</b>	<b>11,186</b>	<b>2,179</b>	<b>81</b>	<b>16</b>	<b>22.2</b>	<b>20.3</b>	<b>22.6</b>	<b>20.8</b>	<b>23.0</b>	<b>21.2</b>	<b>22.2</b>	<b>20.6</b>	<b>22.6</b>	<b>20.8</b>

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

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

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

	2009			2010			2011			2012			2013		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>11,317</b>	<b>100</b>	<b>22.1</b>	<b>11,924</b>	<b>100</b>	<b>22.3</b>	<b>12,687</b>	<b>100</b>	<b>22.1</b>	<b>13,334</b>	<b>100</b>	<b>22.1</b>	<b>13,820</b>	<b>100</b>	<b>22.3</b>
Black/African American	3,003	27	17.8	3,192	27	17.8	3,520	28	17.8	3,791	28	17.9	3,469	25	18.1
American Indian/Alaska Native	26	0	20.8	37	0	20.9	34	0	21.6	35	0	19.7	37	0	20.1
White	6,038	53	23.9	6,320	53	24.2	6,437	51	24.2	6,511	49	24.3	6,906	50	24.3
Hispanic/Latino	499	4	20.8	639	5	20.7	859	7	20.5	959	7	21.0	997	7	20.8
Asian	651	6	25.0	721	6	25.2	727	6	25.1	788	6	25.1	798	6	24.6
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	14	0	20.2	19	0	21.7	27	0	21.6
Two or more races	302	3	22.3	381	3	22.6	440	3	22.0	546	4	22.2	557	4	22.1
Prefer not to respond/No response	798	7	23.8	634	5	23.2	656	5	23.2	685	5	22.8	1,029	7	23.5

Total Students in Report: 13,820

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



Total Students in Report: 13,820

**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	13,122	95	21.8	22.3	22.6	21.9	22.3
	Extended Time	698	5	21.9	21.8	24.2	22.6	22.7
	Total	13,820	100	21.8	22.3	22.7	21.9	22.3
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	73	54	53	45	35
	Extended Time	75	49	65	52	39
	Total	73	54	54	45	36
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: 13,820

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	77	100	96	100	230	100	117	100	17	100	36
35	226	99	146	99	105	98	133	99	74	100	35
34	303	98	225	98	360	98	103	98	139	99	34
33	359	96	202	97	438	95	106	97	232	98	33
32	288	93	253	95	492	92	215	97	313	97	32
31	370	91	212	93	615	88	276	95	358	94	31
30	343	88	349	92	463	84	312	93	431	92	30
29	387	86	429	89	482	80	363	91	532	89	29
28	466	83	667	86	452	77	419	88	627	85	28
27	468	80	806	81	474	74	545	85	692	80	27
26	621	76	887	76	504	70	651	81	707	75	26
25	750	72	934	69	516	67	1,054	77	807	70	25
24	788	66	896	62	845	63	1,054	69	799	64	24
23	837	61	737	56	661	57	852	61	857	59	23
22	833	55	618	51	801	52	1,035	55	875	52	22
21	974	49	592	46	891	46	1,196	48	897	46	21
20	896	41	436	42	764	40	897	39	866	40	20
19	583	35	706	39	708	34	927	33	762	33	19
18	501	31	739	33	807	29	841	26	761	28	18
17	474	27	1,123	28	520	23	506	20	769	22	17
16	592	24	1,272	20	611	19	525	16	645	17	16
15	684	19	897	11	597	15	431	12	580	12	15
14	514	14	358	4	414	11	342	9	474	8	14
13	379	11	148	2	430	8	302	7	323	4	13
12	309	8	62	1	314	5	214	4	161	2	12
11	254	6	17	1	173	2	174	3	80	1	11
10	218	4	6	1	95	1	121	2	28	1	10
9	161	2	3	1	25	1	50	1	11	1	9
8	93	1	3	1	12	1	32	1	1	1	8
7	49	1	0	1	10	1	13	1	2	1	7
6	16	1	0	1	5	1	7	1	0	1	6
5	4	1	0	1	2	1	2	1	0	1	5
4	3	1	0	1	2	1	0	1	0	1	4
3	0	1	1	1	1	1	5	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	21.8 (6.5)		22.3 (5.6)		22.7 (6.5)		21.9 (5.5)		22.3 (5.5)		Avg (SD)

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

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

Total Students in Report: 13,820

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

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies/ Sciences		Arts/ Literature		Pre/Elementary Algebra		Algebra/ Coordinate Geometry		Plane Geometry/ Trigonometry		
	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	701	100	393	100	660	100	773	100	914	100	183	100	236	100	18
17	952	95	164	97	954	95	919	94	822	93	330	99	51	98	17
16	742	88	955	96	969	88	1,113	88	890	87	464	96	829	98	16
15	753	83	1,163	89	902	81	1,075	80	1,220	81	1,172	93	1,011	92	15
14	916	77	1,132	81	902	75	1,022	72	933	72	1,417	84	1,335	85	14
13	805	71	1,250	72	1,140	68	1,082	65	1,187	65	1,755	74	1,323	75	13
12	1,055	65	1,705	63	1,473	60	1,049	57	1,209	57	1,414	61	1,854	65	12
11	1,520	57	1,277	51	1,146	49	1,230	49	1,272	48	1,445	51	1,130	52	11
10	1,394	46	1,287	42	1,231	41	1,154	40	1,028	39	1,809	41	1,364	44	10
9	1,171	36	1,307	33	1,160	32	955	32	878	31	1,228	28	1,637	34	9
8	918	28	1,123	23	1,096	24	1,112	25	1,222	25	1,192	19	1,183	22	8
7	913	21	675	15	1,058	16	829	17	1,248	16	580	10	722	14	7
6	682	14	531	10	578	8	624	11	584	7	383	6	515	8	6
5	580	9	432	6	290	4	557	6	252	3	205	3	190	5	5
4	403	5	269	3	136	2	224	2	110	1	83	2	256	3	4
3	216	2	131	1	50	1	70	1	41	1	110	1	37	1	3
2	92	1	24	1	51	1	31	1	10	1	11	1	86	1	2
1	7	1	2	1	24	1	1	1	0	1	39	1	61	1	1
Avg (SD)	11.0 (4.0)		11.2 (3.4)		11.5 (3.7)		11.6 (3.9)		11.7 (3.7)		11.3 (3.1)		11.0 (3.3)		Avg (SD)

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

**Table 2.3. ACT Score Quartile Values**

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

Total Students in Report: 13,820

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>1</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	<b>All Students</b>	<b>13,820</b>	<b>81</b>	<b>22.6</b>	<b>20.8</b>
	Black/African American	3,469	78	18.3	17.2
	American Indian/Alaska Native	37	81	20.5	18.7
	White	6,906	85	24.4	23.5
	Hispanic/Latino	997	79	21.1	19.6
	Asian	798	84	25.0	22.8
	Native Hawaiian/Other Pac. Isl.	27	78	22.2	19.5
	Two or more races	557	83	22.3	20.8
	Prefer not/No Response	1,029	62	24.0	22.6
National	<b>All Students</b>	<b>1,799,243</b>	<b>74</b>	<b>21.7</b>	<b>18.7</b>
	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

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

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

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	21.8	22.3	22.7	21.9	22.3
	Black/African American	17.1	18.2	18.4	18.0	18.1
	American Indian/Alaska Native	19.0	20.4	20.2	20.2	20.1
	White	24.1	24.1	24.8	23.7	24.3
	Hispanic/Latino	20.0	20.8	21.1	20.7	20.8
	Asian	23.8	25.8	24.1	24.2	24.6
	Native Hawaiian/Other Pac. Isl.	21.0	21.9	22.1	21.1	21.6
	Two or more races	21.6	21.8	22.6	21.8	22.1
	Prefer not/No Response	23.2	23.2	24.2	23.0	23.5
National	<b>All Students</b>	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: 13,820

**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	965	7	669	5	1,133	8	459	3
	28 to 32	1,854	13	1,910	14	2,504	18	1,585	11
	24 to 27	2,627	19	3,523	25	2,339	17	3,304	24
	20 to 23	3,540	26	2,383	17	3,117	23	3,980	29
	16 to 19	2,150	16	3,840	28	2,646	19	2,799	20
	13 to 15	1,577	11	1,403	10	1,441	10	1,075	8
	01 to 12	1,107	8	92	1	640	5	618	4
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	6,159	45	21.5	23.0	22.5	22.5	22.5
	Females	7,661	55	22.1	21.8	22.9	21.5	22.2
	Missing	0	0	.	.	.	.	.
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	71	58	53	50	39
	Females	74	51	54	41	33
National	Males	62	47	43	40	29
	Females	67	41	45	33	24

Total Students in Report: 13,820

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

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>4</sup>	Avg
State	Core or More <sup>2</sup>	11,186	75	22.2	57	22.6	56	23.0	47	22.2	37	22.6
	Less than Core	2,179	62	20.3	42	20.8	43	21.2	35	20.6	27	20.8
	Missing <sup>3</sup>	455	70	21.2	45	21.3	60	23.3	48	22.2	37	22.1
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

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

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

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

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

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

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More <sup>2</sup>	13,150	73	21.9	13,217	55	22.4	12,400	54	22.7	12,262	47	22.2
	Less than Core	222	64	19.9	154	12	16.9	970	51	22.4	1,104	25	19.3
	Missing <sup>3</sup>	448	71	21.3	449	45	21.3	450	60	23.3	454	48	22.3
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

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

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

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

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

# Section III

## College Readiness and the Impact of Course Rigor

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

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

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

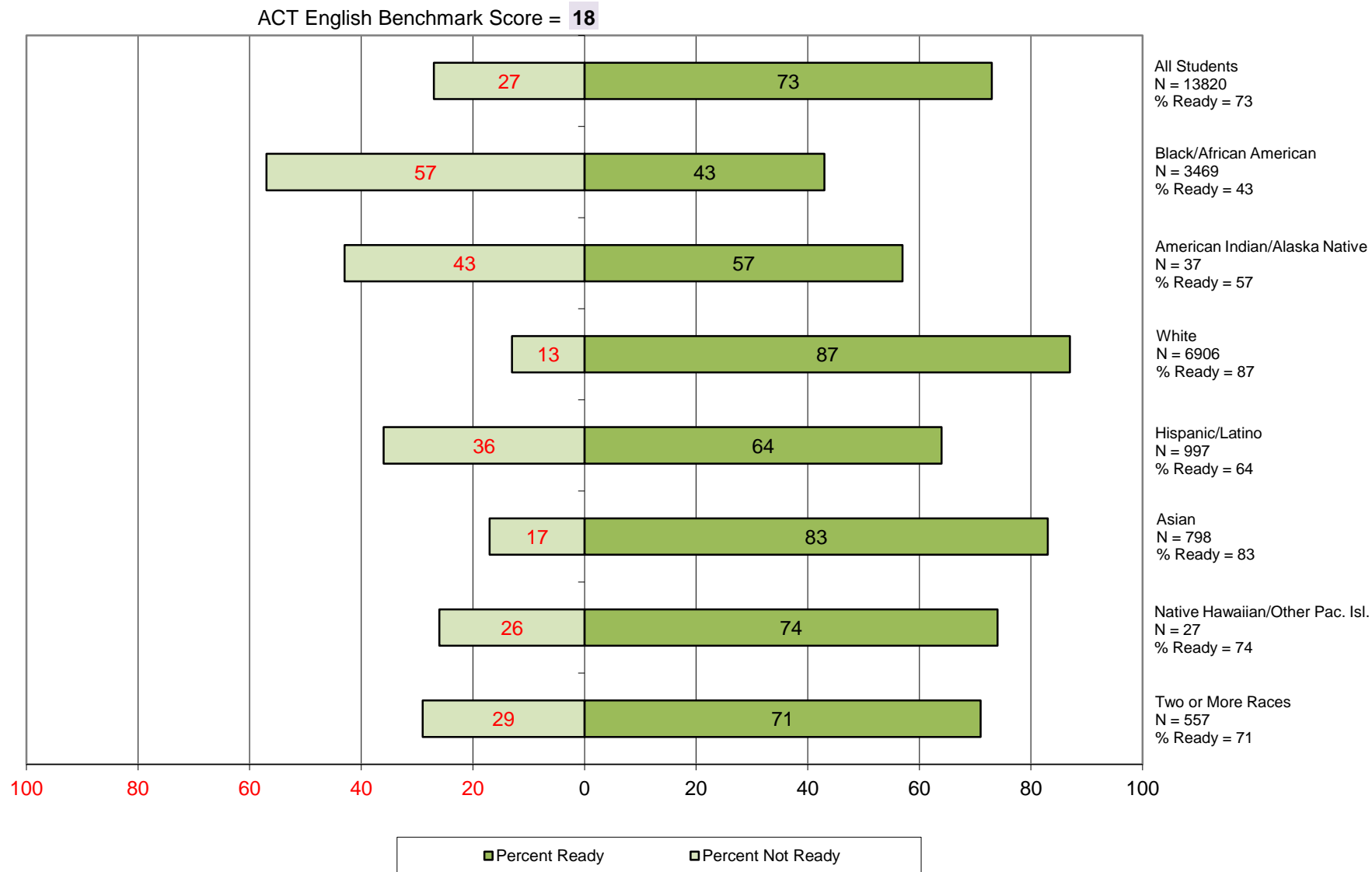


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

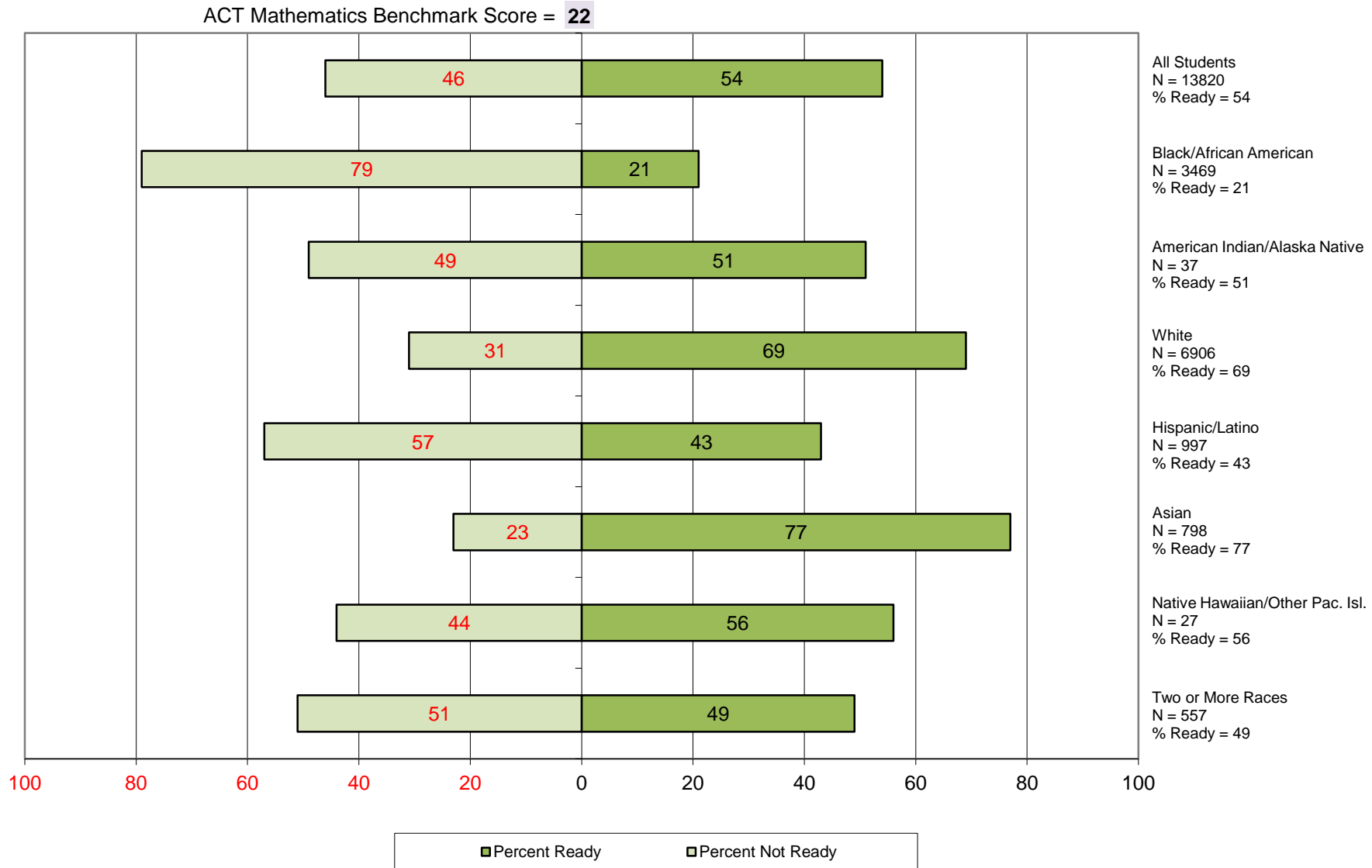


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

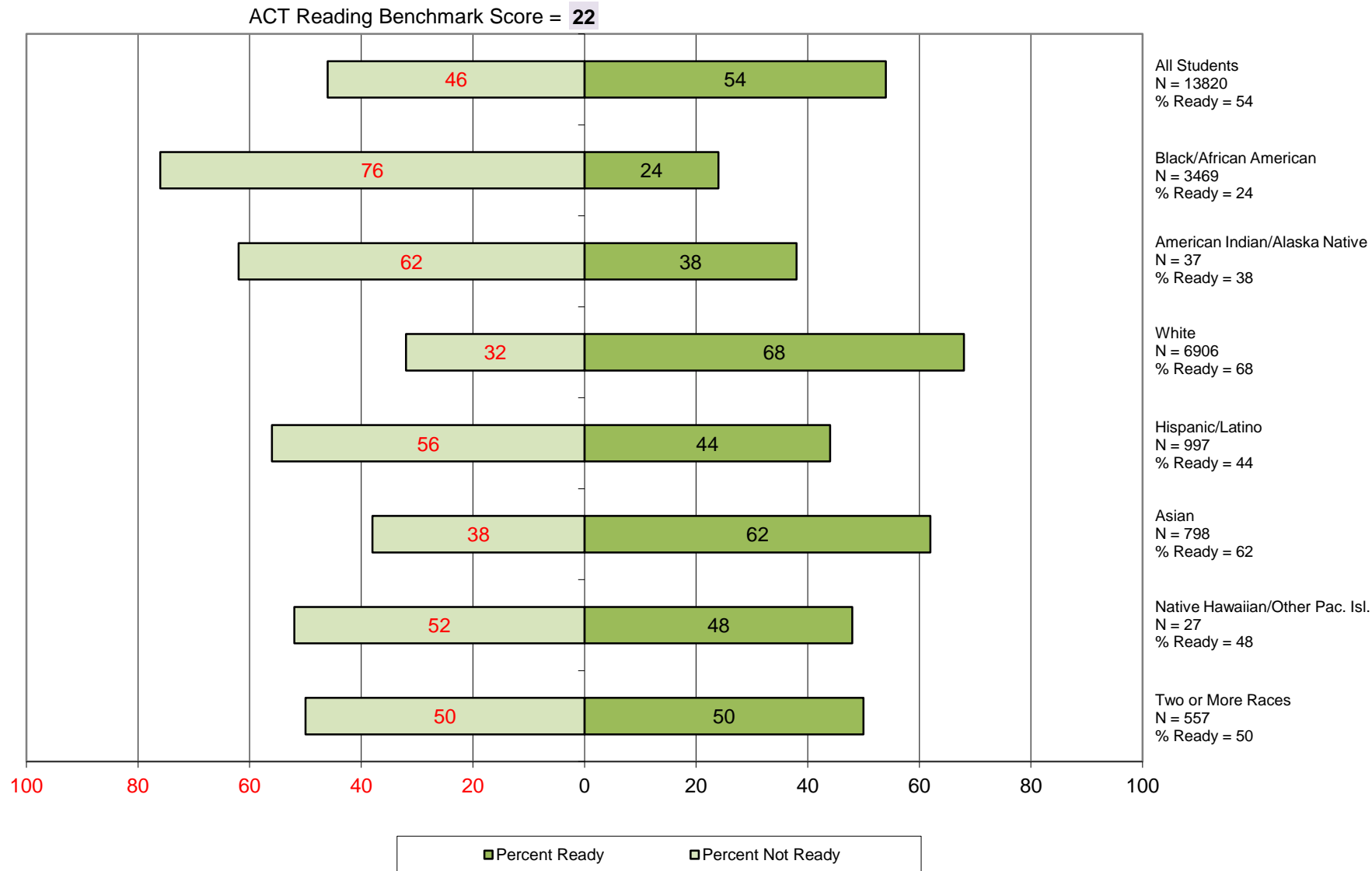


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

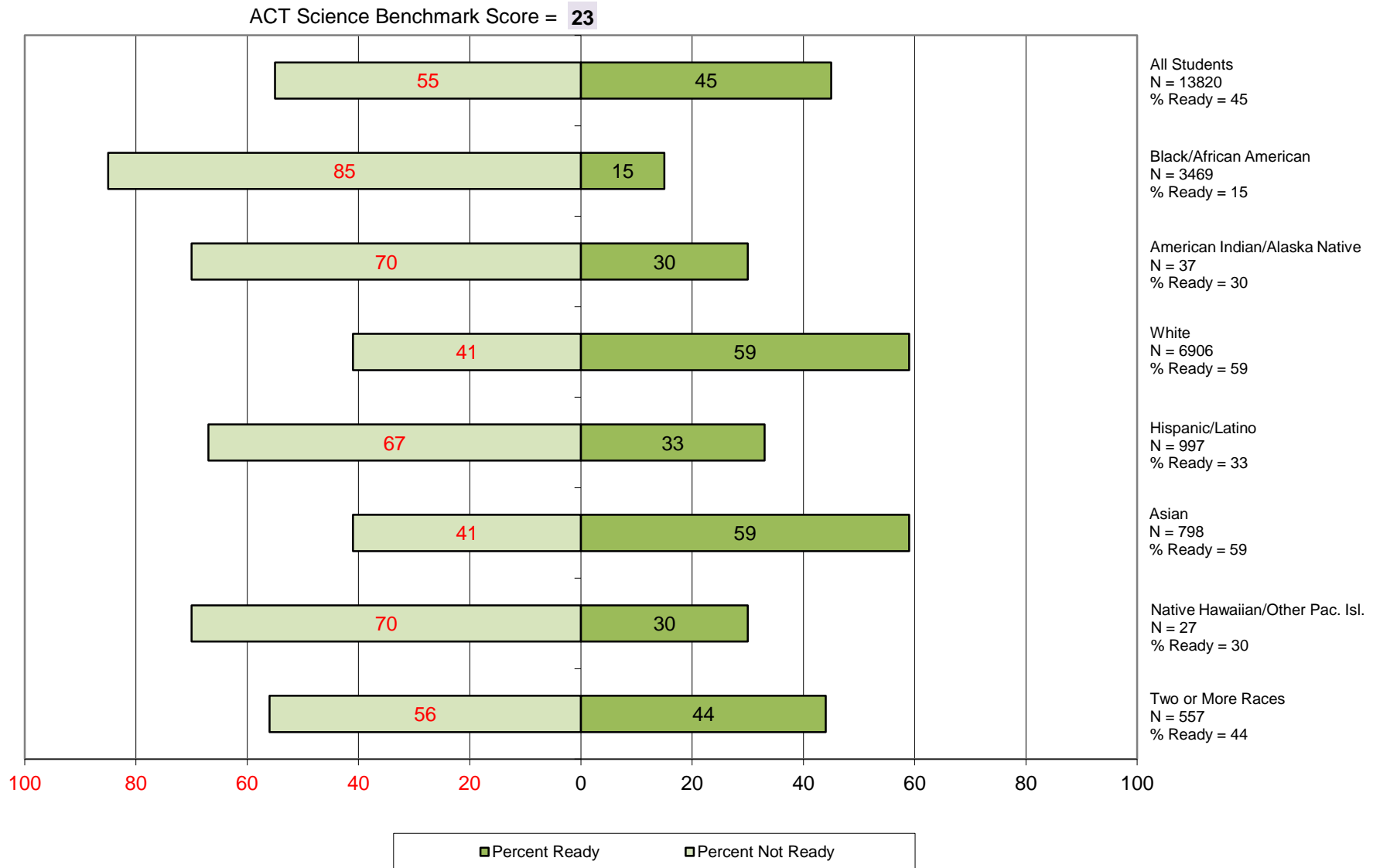
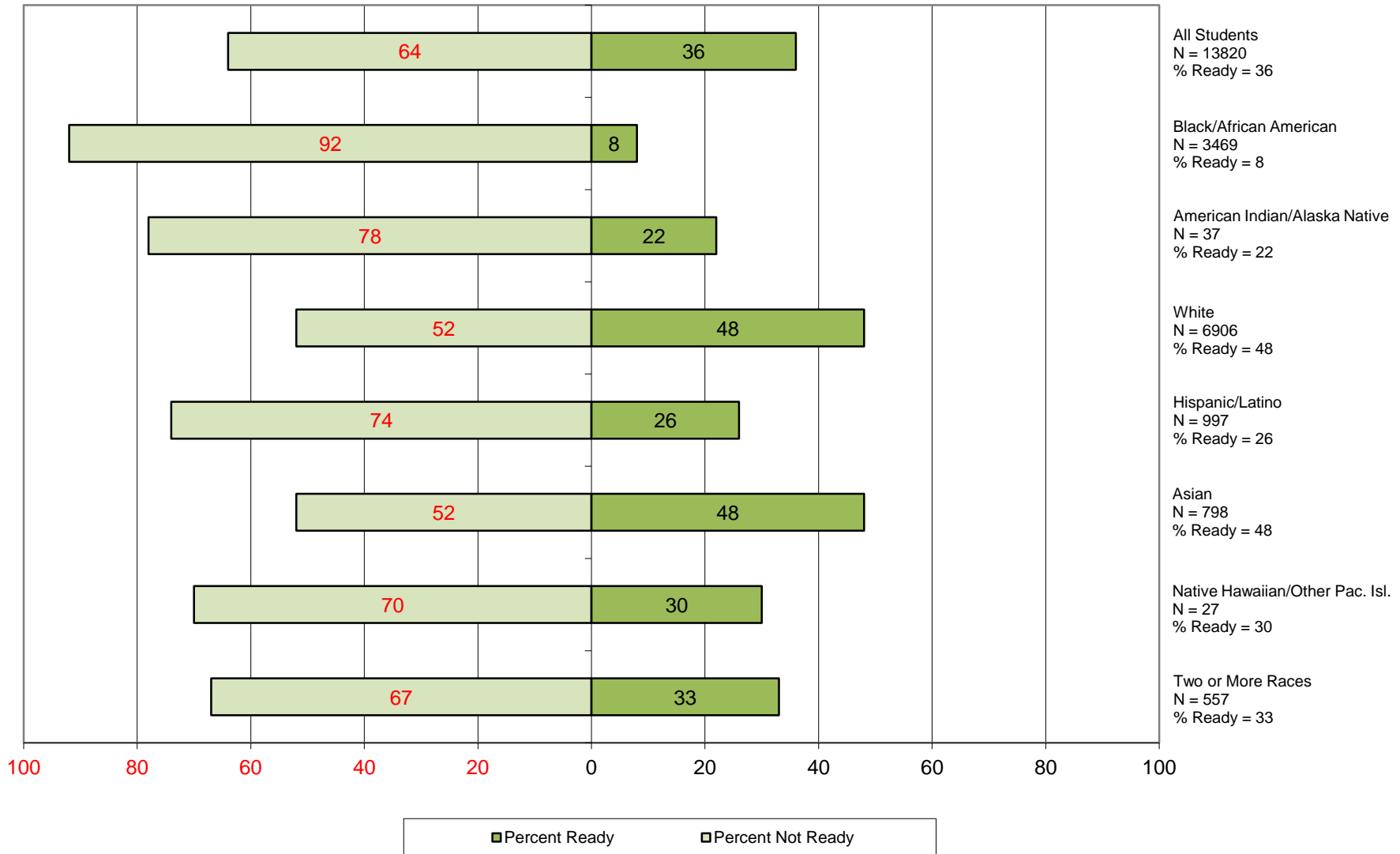


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR





Total Students in Report: 13,820

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

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	2,910	21	22.5	2.6	1,174	19	21.8	2.5	1,736	23	23.0	2.7
Eng 9, Eng 10, Eng 11, Eng 12	10,240	74	21.7	1.8	4,640	75	21.4	2.1	5,600	73	21.9	1.6
Less than 4 years of English	222	2	19.9	-	91	1	19.3	-	131	2	20.3	-
Zero years / no English courses reported	448	3	21.3	-	254	4	21.1	-	194	3	21.7	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	1,053	8	24.4	7.5	452	7	24.8	7.8	601	8	24.1	7.2
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,250	9	21.0	4.1	467	8	21.2	4.2	783	10	20.8	3.9
Alg 1, Alg 2, Geom, & Trig	896	6	18.4	1.5	372	6	18.6	1.6	524	7	18.2	1.3
Alg 1, Alg 2, Geom, & Other Adv Math	1,846	13	19.3	2.4	642	10	19.5	2.5	1,204	16	19.1	2.2
Other comb of 4 or more years of Math	6,574	48	24.8	7.9	3,225	52	25.4	8.4	3,349	44	24.2	7.3
Alg 1, Alg 2, & Geom	1,061	8	16.7	-0.2	442	7	16.7	-0.3	619	8	16.6	-0.3
Other comb of 3 or 3.5 years of Math	537	4	21.2	4.3	232	4	20.8	3.8	305	4	21.4	4.5
Less than 3 years of Math	154	1	16.9	-	72	1	17.0	-	82	1	16.9	-
Zero years / no Math courses reported	449	3	21.3	-	255	4	21.8	-	194	3	20.7	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	1,014	7	23.5	1.1	559	9	23.1	1.1	455	6	23.9	1.1
Other comb of 4 or more years Social Science	5,137	37	23.2	0.8	2,336	38	23.0	1.0	2,801	37	23.5	0.7
US Hist, World Hist, & Am Gov	2,199	16	21.2	-1.2	1,006	16	20.9	-1.1	1,193	16	21.4	-1.4
Other comb of 3 or 3.5 years of Social Science	4,050	29	22.7	0.3	1,559	25	22.6	0.6	2,491	33	22.8	0.0
Less than 3 years of Social Science	970	7	22.4	-	443	7	22.0	-	527	7	22.8	-
Zero years / no Social Science courses reported	450	3	23.3	-	256	4	23.4	-	194	3	23.2	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	6,274	45	22.9	3.6	3,084	50	23.4	4.4	3,190	42	22.4	2.9
Bio, Chem, Phys	2,092	15	24.0	4.7	967	16	24.7	5.7	1,125	15	23.3	3.8
Gen Sci <sup>2</sup> , Bio, Chem	3,760	27	20.0	0.7	1,362	22	19.7	0.7	2,398	31	20.1	0.6
Other comb of 3 years of Natural Science	136	1	20.2	0.9	74	1	20.7	1.7	62	1	19.7	0.2
Less than 3 years of Natural Science	1,104	8	19.3	-	414	7	19.0	-	690	9	19.5	-
Zero years / no Natural Science courses reported	454	3	22.3	-	258	4	22.7	-	196	3	21.7	-

<sup>1</sup>Course value added is defined as the average ACT score change compared to course sequences in which students took less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

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

Total Students in Report: 13,820

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

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	2,910	21	22.5	77	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	10,240	74	21.7	72	1,265,911	70	20.3	65
Less than 4 years of English	222	2	19.9	64	84,048	5	15.9	36
Zero years / no English courses reported	448	3	21.3	71	68,909	4	16.4	38
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	1,053	8	24.4	74	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,250	9	21.0	46	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	896	6	18.4	21	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	1,846	13	19.3	29	336,291	19	19.6	32
Other comb of 4 or more years of Math	6,574	48	24.8	73	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	1,061	8	16.7	9	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	537	4	21.2	47	88,866	5	19.7	34
Less than 3 years of Math	154	1	16.9	12	77,906	4	16.3	7
Zero years / no Math courses reported	449	3	21.3	45	72,640	4	17.9	20
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	1,014	7	23.5	60	50,989	3	22.2	51
Other comb of 4 or more years Social Science	5,137	37	23.2	57	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	2,199	16	21.2	43	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	4,050	29	22.7	54	489,586	27	21.0	43
Less than 3 years of Social Science	970	7	22.4	51	171,617	10	19.1	32
Zero years / no Social Science courses reported	450	3	23.3	60	72,636	4	17.7	25
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	6,274	45	22.9	53	767,293	43	21.9	46
Bio, Chem, Phys	2,092	15	24.0	62	183,685	10	23.0	54
Gen Sci <sup>1</sup> , Bio, Chem	3,760	27	20.0	29	504,165	28	19.9	28
Other comb of 3 years of Natural Science	136	1	20.2	26	51,822	3	19.1	25
Less than 3 years of Natural Science	1,104	8	19.3	25	218,267	12	18.0	17
Zero years / no Natural Science courses reported	454	3	22.3	48	74,011	4	17.8	18

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

# Section IV

## Career and Educational Aspirations

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

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

Total Students in Report: 13,820

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

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture & Natural Resources Conservation	118	1	22.2	2	2	22.0	114	1	22.2
Architecture	155	1	21.8	3	3	18.3	138	1	21.8
Area, Ethnic, & Multidisciplinary Studies	39	0	25.0	0	0	.	32	0	24.4
Arts: Visual & Performing	681	5	20.4	9	8	15.3	584	5	20.7
Business	1,527	11	21.3	18	16	17.5	1,335	12	21.3
Communications	455	3	21.2	0	0	.	409	4	21.1
Community, Family, & Personal Services	161	1	18.2	3	3	13.0	143	1	18.6
Computer Science & Mathematics	512	4	23.0	7	6	17.1	444	4	22.8
Education	647	5	20.7	5	5	16.6	570	5	20.7
Engineering	1,486	11	24.7	9	8	15.9	1,290	11	24.7
Engineering Technology & Drafting	110	1	19.1	2	2	13.5	89	1	19.8
English & Foreign Languages	185	1	24.3	1	1	24.0	151	1	24.1
Health Administration & Assisting	254	2	18.0	3	3	18.0	219	2	18.0
Health Sciences & Technologies	1,917	14	21.4	18	16	19.4	1,726	15	21.3
Philosophy, Religion, & Theology	36	0	20.7	0	0	.	32	0	20.2
Repair, Production, & Construction	18	0	16.3	3	3	15.3	13	0	16.5
Sciences: Biological & Physical	1,509	11	24.1	3	3	21.3	1,343	12	24.0
Social Sciences & Law	1,360	10	22.1	8	7	14.8	1,190	10	22.0
Undecided	2,300	17	23.1	17	15	17.8	1,708	15	23.0
No Response	348	3	22.5	0	0	.	33	0	23.8

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

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

Total Students in Report: 13,820

**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	42	17.4	20	14.6	0	.	12	22.8	2	16.5
2-yr College Degree	69	17.3	23	15.0	0	.	30	19.4	9	16.0
Bachelors Degree	4,948	20.3	1,376	16.8	15	19.1	2,584	22.3	382	19.0
Graduate Study	3,217	23.7	623	18.9	6	23.5	1,934	25.2	197	22.4
Prof. Level Degree	3,400	23.7	983	19.6	10	21.9	1,438	26.2	275	22.0
Other	116	19.4	50	17.1	0	.	44	22.2	6	19.2
No Response	2,028	23.1	394	17.7	6	16.3	864	25.2	126	21.6

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	42	17.4	4	18.3	0	.	1	11.0	3	15.7
2-yr College Degree	69	17.3	4	20.3	0	.	2	13.5	1	12.0
Bachelors Degree	4,948	20.3	178	22.0	11	19.3	207	20.1	195	21.0
Graduate Study	3,217	23.7	146	25.3	7	23.3	124	23.7	180	24.7
Prof. Level Degree	3,400	23.7	317	25.6	6	22.8	156	23.7	215	24.8
Other	116	19.4	6	21.3	0	.	5	18.4	5	16.6
No Response	2,028	23.1	143	25.3	3	24.0	62	21.8	430	23.7

Total Students in Report: 13,820

**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
UNIVERSITY OF MARYLAND COLLEGE PARK	Maryland	1,758	719	1,039	1	5	14	27	28	21	4
TOWSON UNIVERSITY	Maryland	1,423	393	1,030	1	12	30	34	17	5	1
SALISBURY UNIVERSITY	Maryland	781	222	559	1	10	29	37	19	4	0
UNIVERSITY OF MARYLAND BALTIMORE COUNTY	Maryland	771	152	619	0	6	17	32	27	15	3
FROSTBURG STATE UNIVERSITY	Maryland	380	81	299	3	18	38	24	13	3	0
MORGAN STATE UNIVERSITY	Maryland	372	135	237	9	34	42	12	2	0	0
STEVENSON UNIVERSITY	Maryland	348	75	273	2	15	37	32	11	3	0
UNIVERSITY OF DELAWARE	Delaware	308	72	236	0	3	9	32	34	18	3
WEST VIRGINIA UNIVERSITY	West Virginia	297	99	198	1	9	29	31	22	7	0
BOWIE STATE UNIVERSITY	Maryland	289	86	203	9	33	45	12	1	0	0
VIRGINIA TECH	Virginia	279	42	237	1	3	8	20	37	29	4
JOHNS HOPKINS UNIVERSITY THE	Maryland	278	94	184	1	4	12	24	23	29	6
UNIVERSITY OF MARYLAND EASTERN SHORE	Maryland	264	64	200	6	34	38	18	3	1	0
JAMES MADISON UNIVERSITY	Virginia	250	53	197	0	2	10	37	32	18	0
NCAA ELIGIBILITY CENTER	Indiana	246	133	113	2	17	31	24	15	10	1
HOWARD UNIVERSITY	District of Columbia	236	80	156	3	22	36	30	6	2	0
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	234	43	191	0	3	12	31	30	21	3
YORK COLLEGE OF PENNSYLVANIA	Pennsylvania	203	47	156	1	7	32	35	18	7	0
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	177	43	134	0	1	6	39	39	14	1
ST MARY'S COLLEGE OF MARYLAND	Maryland	176	41	135	0	5	16	29	29	18	3
LOYOLA UNIVERSITY MARYLAND	Maryland	163	37	126	1	8	23	28	20	20	0
MOUNT SAINT MARY'S UNIVERSITY	Maryland	157	42	115	2	6	29	36	22	4	1
GEORGE MASON UNIVERSITY	Virginia	156	36	120	2	7	26	31	24	9	1
UNIVERSITY OF VIRGINIA	Virginia	154	31	123	0	3	6	10	23	49	8
HAMPTON UNIVERSITY	Virginia	152	61	91	5	27	38	25	5	0	0
MONTGOMERY COLLEGE-MD	Maryland	148	55	93	3	24	34	24	11	3	1
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	144	41	103	3	28	43	21	5	0	0
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	144	29	115	1	3	6	20	33	33	3
COPPIN STATE UNIVERSITY	Maryland	138	43	95	14	40	39	7	0	0	0
DELAWARE STATE UNIVERSITY	Delaware	138	41	97	2	36	43	16	1	1	0
All Other Institutions		10,746	3,073	7,673	1	9	20	28	23	16	3
<b>Total</b>		<b>21,310</b>	<b>6,163</b>	<b>15,147</b>	<b>2</b>	<b>10</b>	<b>22</b>	<b>28</b>	<b>21</b>	<b>14</b>	<b>2</b>

# Section V

## Optional Writing Test Results

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

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

Total Students in Report: 13,820

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

	N		Average ACT Scores					
	State	National	English		Essay		English/Writing Combined	
			State	National	State	National	State	National
<b>All Students</b>	<b>10,697</b>	<b>942,769</b>	<b>22.8</b>	<b>21.3</b>	<b>7.3</b>	<b>7.0</b>	<b>21.9</b>	<b>20.5</b>
Black/African American	2,333	114,751	18.0	16.3	6.5	6.1	17.6	16.0
American Indian/Alaska Native	33	6,031	19.3	16.8	7.1	6.1	19.2	16.4
White	5,565	518,407	24.8	22.9	7.5	7.2	23.6	21.9
Hispanic/Latino	795	151,504	20.7	18.6	7.1	6.8	20.2	18.3
Asian	691	54,580	24.4	23.5	7.7	7.6	23.4	22.7
Native Hawaiian/Other Pac. Isl.	19	2,812	22.5	19.5	7.1	6.9	21.4	19.2
Two or more races	419	35,355	22.5	21.5	7.2	7.0	21.7	20.6
Prefer not/No Response	842	59,329	24.1	21.8	7.4	7.1	23.0	20.9
Males	4,623	423,104	22.6	21.0	7.1	6.7	21.5	20.1
Females	6,074	513,945	22.9	21.6	7.4	7.2	22.2	20.9
Missing	0	5,720	.	16.6	.	6.3	.	16.5





