

ACT Profile Report - State

Graduating Class 2014

Maryland



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This report provides information about the performance of your 2014 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2014. Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included in the report.

This report focuses on:

Performance - student test performance in the context of college readiness

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

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

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

Awareness - extent to which student aspirations match performance

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

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

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

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

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

The ACT:

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

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

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

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

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

37% 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: 14,080 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, 14% were college ready. 7% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 9% of these students were college ready. In comparison, 60% 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 7% of the cohort took less than three years of natural science courses. 27% of these students were college ready. In comparison, 49% 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 38% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

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

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

Section I

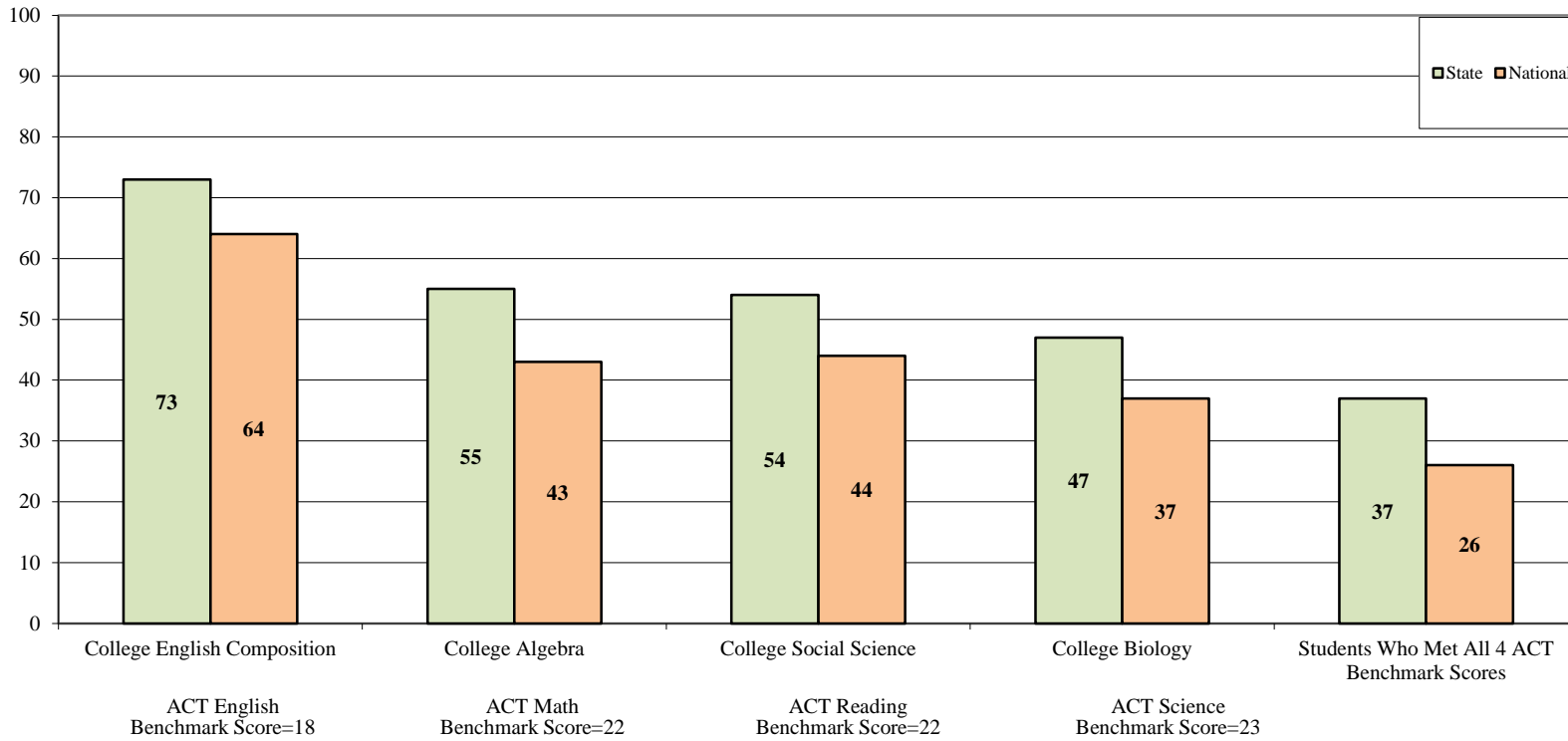
Executive Summary

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

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

To find the results of only standard time or extended time test takers, refer to Tables 1.7 and 1.8 on page 10.

Figure 1.1. Percent of Your Students Ready for College-Level Coursework



A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

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

Year	Number of Students Tested		Percent Who Met Benchmarks									
			English		Mathematics		Reading		Science		Met All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2010	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
2013	13,820	1,799,243	73	64	54	44	54	44	45	36	36	26
2014	14,080	1,845,787	73	64	55	43	54	44	47	37	37	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
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
2013	13,820	1,799,243	21.8	20.2	22.3	20.9	22.7	21.1	21.9	20.7	22.3	20.9
2014	14,080	1,845,787	22.1	20.3	22.5	20.9	23.0	21.3	22.2	20.8	22.6	21.0

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

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

Total Students in Report: 14,080

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
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
2013	11,186	2,179	81	16	22.2	20.3	22.6	20.8	23.0	21.2	22.2	20.6	22.6	20.8
2014	11,442	2,197	81	16	22.5	20.3	22.8	20.9	23.3	21.3	22.5	20.7	22.9	20.9

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.

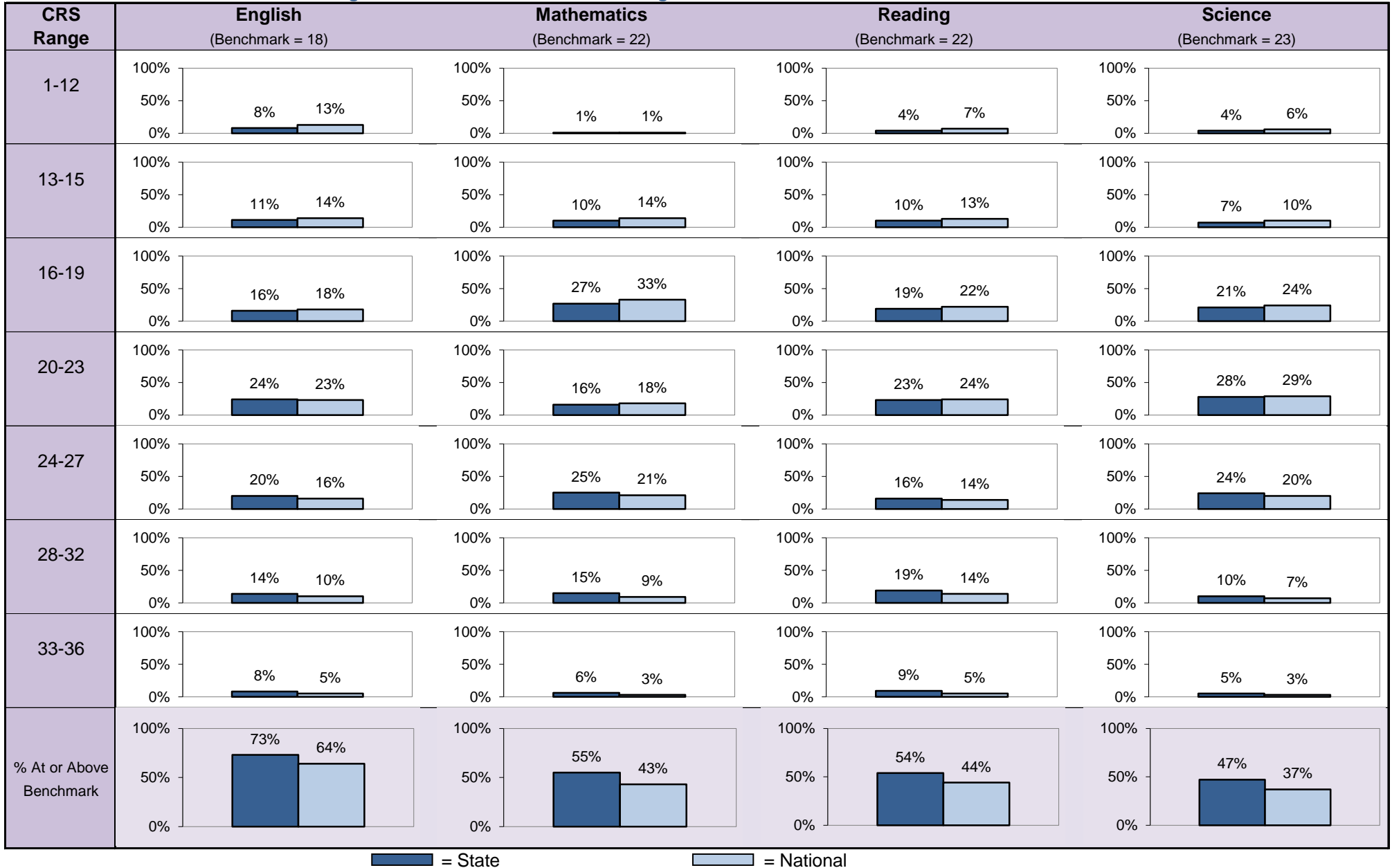
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2010			2011			2012			2013			2014		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	11,924	100	22.3	12,687	100	22.1	13,334	100	22.1	13,820	100	22.3	14,080	100	22.6
Black/African American	3,192	27	17.8	3,520	28	17.8	3,791	28	17.9	3,469	25	18.1	3,602	26	18.3
American Indian/Alaska Native	37	0	20.9	34	0	21.6	35	0	19.7	37	0	20.1	40	0	19.3
White	6,320	53	24.2	6,437	51	24.2	6,511	49	24.3	6,906	50	24.3	6,798	48	24.6
Hispanic/Latino	639	5	20.7	859	7	20.5	959	7	21.0	997	7	20.8	1,084	8	21.2
Asian	721	6	25.2	727	6	25.1	788	6	25.1	798	6	24.6	850	6	25.3
Native Hawaiian/Other Pacific Islander	0	0	.	14	0	20.2	19	0	21.7	27	0	21.6	16	0	24.1
Two or more races	381	3	22.6	440	3	22.0	546	4	22.2	557	4	22.1	645	5	22.4
Prefer not to respond/No response	634	5	23.2	656	5	23.2	685	5	22.8	1,029	7	23.5	1,045	7	23.7

Total Students in Report: 14,080

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



Total Students in Report: 14,080

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	13,313	95	22.1	22.5	22.8	22.2	22.5
	Extended Time	767	5	22.8	22.2	25.0	23.1	23.4
	Total	14,080	100	22.1	22.5	23.0	22.2	22.6
National	Standard Time	1,769,033	96	20.5	21.0	21.4	20.9	21.1
	Extended Time	76,754	4	16.2	17.8	18.5	18.1	17.8
	Total	1,845,787	100	20.3	20.9	21.3	20.8	21.0

Table 1.8. Percent of Students Who Met College Readiness Benchmark Scores by Test Session Duration

Student Group	Test Session Duration	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Standard Time	73	55	53	47	37
	Extended Time	78	53	68	54	45
	Total	73	55	54	47	37
National	Standard Time	65	44	45	37	27
	Extended Time	37	21	30	21	15
	Total	64	43	44	37	26

Section II

Academic Achievement

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

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

Total Students in Report: 14,080

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	73	100	67	100	172	100	156	100	18	100	36
35	328	99	184	100	204	99	174	99	96	100	35
34	398	97	254	98	443	97	232	98	211	99	34
33	360	94	271	96	451	94	201	96	265	98	33
32	326	92	256	94	574	91	191	95	339	96	32
31	312	89	287	93	567	87	329	93	412	93	31
30	461	87	324	91	577	83	295	91	521	90	30
29	425	84	559	88	468	79	225	89	552	87	29
28	438	81	708	84	467	75	435	87	625	83	28
27	511	78	762	79	514	72	763	84	670	78	27
26	673	74	927	74	553	68	614	79	731	74	26
25	708	69	967	67	521	65	1,045	74	806	68	25
24	858	64	895	60	639	61	971	67	865	63	24
23	713	58	714	54	863	56	1,012	60	878	57	23
22	847	53	577	49	617	50	1,016	53	864	50	22
21	905	47	506	45	1,061	46	912	46	817	44	21
20	850	41	489	41	707	38	975	39	792	38	20
19	632	35	549	38	864	33	1,024	32	790	33	19
18	500	30	839	34	634	27	699	25	765	27	18
17	487	27	1,137	28	636	23	648	20	772	22	17
16	600	23	1,307	20	521	18	521	15	663	16	16
15	705	19	853	11	536	14	396	12	577	12	15
14	522	14	387	5	451	11	387	9	444	7	14
13	346	10	166	2	418	7	272	6	300	4	13
12	317	8	61	1	284	4	175	4	193	2	12
11	274	6	25	1	208	2	172	3	71	1	11
10	227	4	5	1	66	1	107	2	27	1	10
9	128	2	2	1	32	1	69	1	9	1	9
8	94	1	1	1	2	1	39	1	6	1	8
7	37	1	1	1	15	1	10	1	1	1	7
6	16	1	0	1	7	1	8	1	0	1	6
5	6	1	0	1	2	1	5	1	0	1	5
4	2	1	0	1	4	1	1	1	0	1	4
3	1	1	0	1	0	1	1	1	0	1	3
2	0	1	0	1	2	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	22.1 (6.7)		22.5 (5.8)		23.0 (6.6)		22.2 (5.7)		22.6 (5.7)		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: 14,080

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	914	100	249	100	574	100	791	100	849	100	203	100	215	100	18
17	1,061	94	427	98	1,062	96	1,266	94	932	94	346	99	137	98	17
16	762	86	879	95	1,237	88	1,174	85	1,058	87	596	96	912	98	16
15	814	81	1,354	89	771	80	916	77	969	80	1,152	92	1,202	91	15
14	723	75	1,281	79	1,325	74	874	71	1,184	73	1,509	84	1,232	82	14
13	1,044	70	1,383	70	1,136	65	1,067	64	1,397	65	1,582	73	1,478	74	13
12	1,095	62	1,283	60	1,176	57	1,247	57	1,388	55	1,792	62	1,348	63	12
11	1,320	54	1,478	51	1,098	48	1,147	48	907	45	1,113	49	1,637	54	11
10	1,334	45	1,295	41	1,239	40	1,006	40	817	38	1,878	41	1,393	42	10
9	1,239	36	1,339	32	1,126	32	1,512	33	1,089	33	1,266	28	1,636	32	9
8	957	27	1,076	22	1,294	24	879	22	1,252	25	1,092	19	1,116	21	8
7	758	20	629	14	856	15	772	16	1,167	16	675	11	712	13	7
6	788	15	551	10	603	8	551	10	620	8	419	6	398	8	6
5	629	9	468	6	343	4	582	6	266	3	211	3	258	5	5
4	345	5	274	3	111	2	208	2	130	1	100	2	163	3	4
3	214	2	88	1	62	1	48	1	47	1	111	1	124	2	3
2	79	1	24	1	46	1	36	1	7	1	6	1	61	1	2
1	4	1	2	1	21	1	4	1	1	1	29	1	58	1	1
Avg (SD)	11.2 (4.1)		11.3 (3.4)		11.7 (3.7)		11.7 (3.9)		11.8 (3.7)		11.3 (3.1)		11.1 (3.3)		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)	27	27	28	26	27
Q2 (50th Percentile)	22	23	22	22	22
Q1 (25th Percentile)	17	17	18	19	18

Total Students in Report: 14,080

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	14,080	81	22.9	20.9
	Black/African American	3,602	79	18.6	17.3
	American Indian/Alaska Native	40	83	19.8	14.8
	White	6,798	86	24.7	23.6
	Hispanic/Latino	1,084	79	21.6	19.6
	Asian	850	82	25.7	23.3
	Native Hawaiian/Other Pac. Isl.	16	81	23.8	25.7
	Two or more races	645	86	22.7	20.9
	Prefer not/No Response	1,045	58	24.3	23.1
National	All Students	1,845,787	73	21.8	18.9
	Black/African American	241,678	68	17.6	15.7
	American Indian/Alaska Native	14,263	62	19.0	16.5
	White	1,038,435	76	23.1	20.2
	Hispanic/Latino	281,216	71	19.5	17.3
	Asian	80,370	79	24.2	21.6
	Native Hawaiian/Other Pac. Isl.	5,676	65	20.0	16.6
	Two or more races	70,013	74	22.0	19.2
	Prefer not/No Response	114,136	56	22.6	18.5

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	22.1	22.5	23.0	22.2	22.6
	Black/African American	17.5	18.3	18.7	18.3	18.3
	American Indian/Alaska Native	18.3	19.7	19.3	19.2	19.3
	White	24.3	24.3	25.0	24.0	24.6
	Hispanic/Latino	20.5	21.1	21.6	21.0	21.2
	Asian	24.7	26.6	24.3	24.8	25.3
	Native Hawaiian/Other Pac. Isl.	22.8	23.2	25.9	24.4	24.1
	Two or more races	22.0	22.0	22.9	22.2	22.4
	Prefer not/No Response	23.4	23.2	24.4	23.2	23.7
National	All Students	20.3	20.9	21.3	20.8	21.0
	Black/African American	15.8	17.2	17.3	17.0	17.0
	American Indian/Alaska Native	16.6	18.1	18.4	18.3	18.0
	White	22.0	22.0	22.8	22.1	22.3
	Hispanic/Latino	17.7	19.2	19.1	18.8	18.8
	Asian	22.8	24.9	22.8	23.2	23.5
	Native Hawaiian/Other Pac. Isl.	17.5	19.2	18.7	18.6	18.6
	Two or more races	20.6	20.9	21.7	21.0	21.2
	Prefer not/No Response	20.0	20.7	21.1	20.5	20.7

Total Students in Report: 14,080

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	1,159	8	776	6	1,270	9	763	5
	28 to 32	1,962	14	2,134	15	2,653	19	1,475	10
	24 to 27	2,750	20	3,551	25	2,227	16	3,393	24
	20 to 23	3,315	24	2,286	16	3,248	23	3,915	28
	16 to 19	2,219	16	3,832	27	2,655	19	2,892	21
	13 to 15	1,573	11	1,406	10	1,405	10	1,055	7
	01 to 12	1,102	8	95	1	622	4	587	4
National	33 to 36	92,922	5	55,103	3	97,714	5	55,222	3
	28 to 32	185,768	10	174,260	9	257,722	14	128,357	7
	24 to 27	302,723	16	383,630	21	263,034	14	367,160	20
	20 to 23	431,178	23	336,283	18	445,726	24	542,581	29
	16 to 19	330,518	18	616,601	33	409,685	22	448,064	24
	13 to 15	264,127	14	266,401	14	240,948	13	186,262	10
	01 to 12	238,551	13	13,509	1	130,958	7	118,141	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	6,235	44	21.9	23.3	22.8	22.8	22.8
	Females	7,845	56	22.3	21.8	23.1	21.8	22.4
	Missing	0	0
National	Males	856,651	46	20.0	21.4	21.1	21.2	21.1
	Females	977,127	53	20.7	20.5	21.5	20.5	20.9
	Missing	12,009	1	15.7	17.8	17.3	17.4	17.2

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

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Males	72	60	53	52	40
	Females	74	51	55	44	34
National	Males	62	47	43	40	29
	Females	66	40	45	34	25

Total Students in Report: 14,080

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	11,442	76	22.5	58	22.8	56	23.3	49	22.5	39	22.9
	Less than Core	2,197	61	20.3	43	20.9	43	21.3	36	20.7	27	20.9
	Missing ³	441	72	21.9	45	21.3	62	23.8	49	22.5	38	22.5
National	Core or More	1,347,997	71	21.4	50	21.7	50	22.2	42	21.6	31	21.8
	Less than Core	405,073	48	17.9	27	18.9	30	19.2	23	18.9	15	18.9
	Missing	92,717	36	16.0	18	17.7	23	17.7	16	17.6	10	17.4

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	13,418	74	22.2	13,468	56	22.6	12,601	54	23.0	12,594	49	22.4
	Less than Core	231	53	18.9	185	14	17.4	1,049	51	22.6	1,053	27	19.3
	Missing ³	431	72	21.9	427	45	21.3	430	63	23.8	433	48	22.5
National	Core or More	1,676,095	67	20.8	1,686,194	46	21.3	1,580,108	47	21.7	1,538,158	41	21.4
	Less than Core	88,420	36	15.9	74,627	8	16.4	180,385	32	19.4	220,701	17	18.1
	Missing	81,272	38	16.3	84,966	19	17.8	85,294	24	17.8	86,928	17	17.7

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

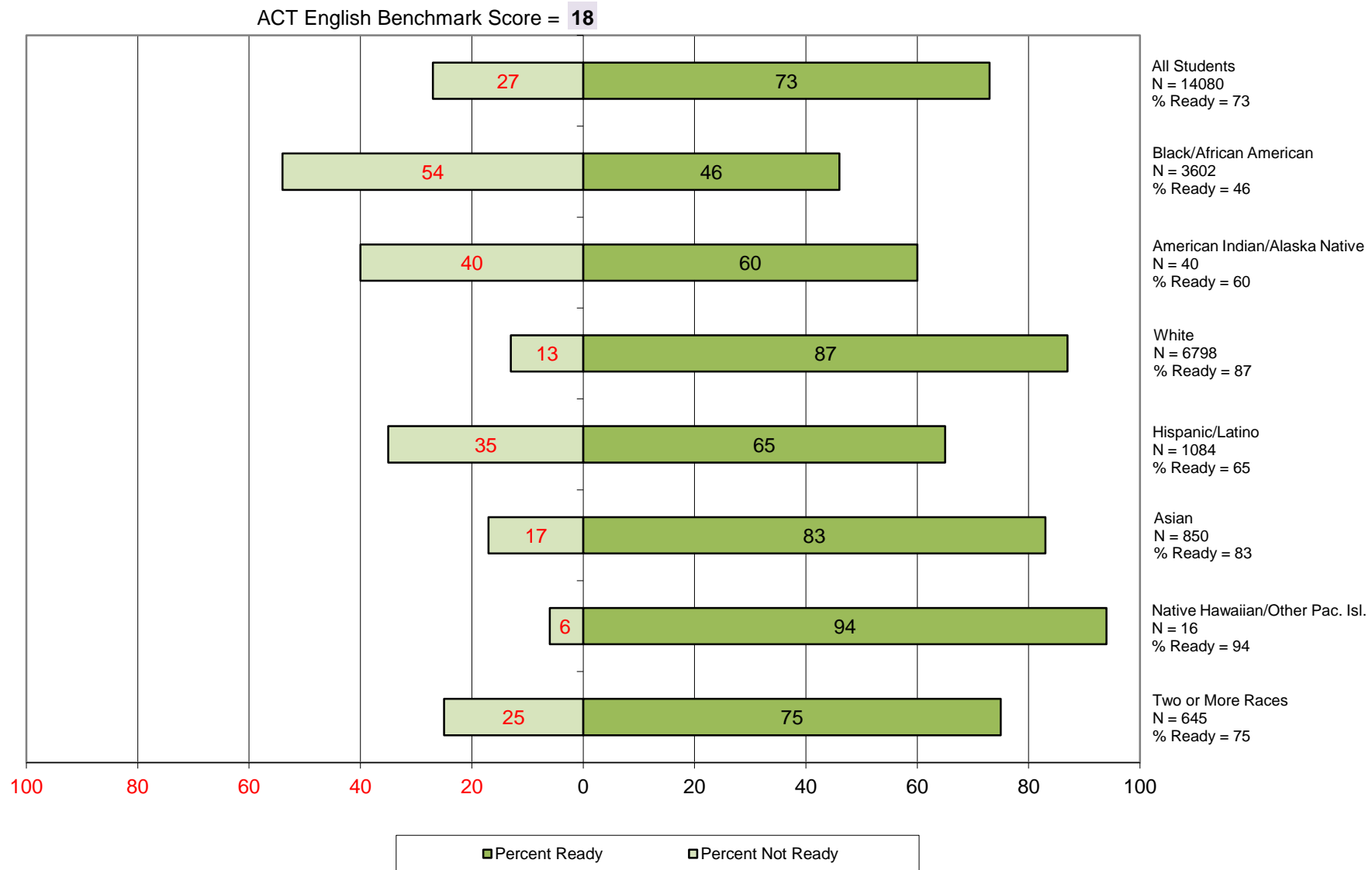


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

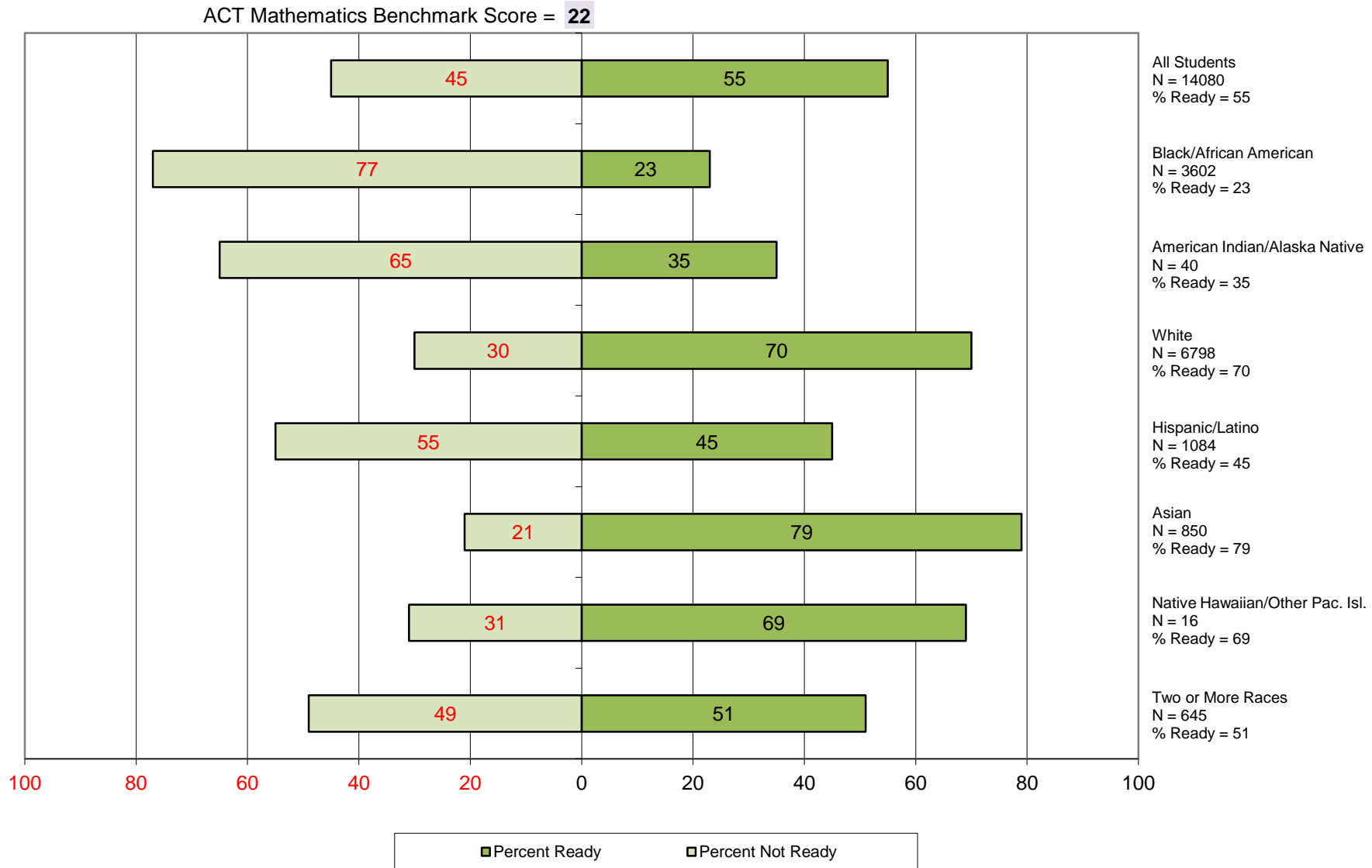


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

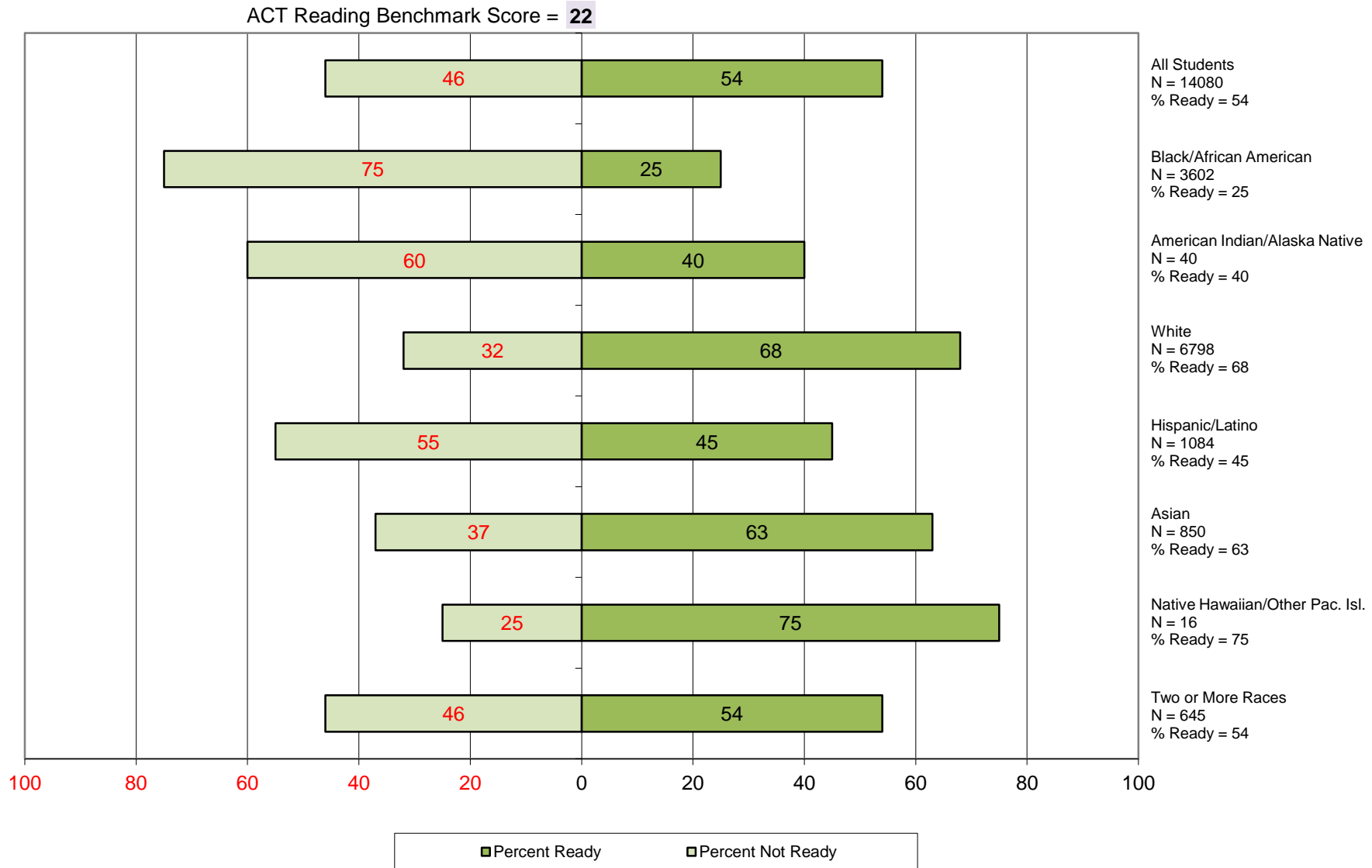


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

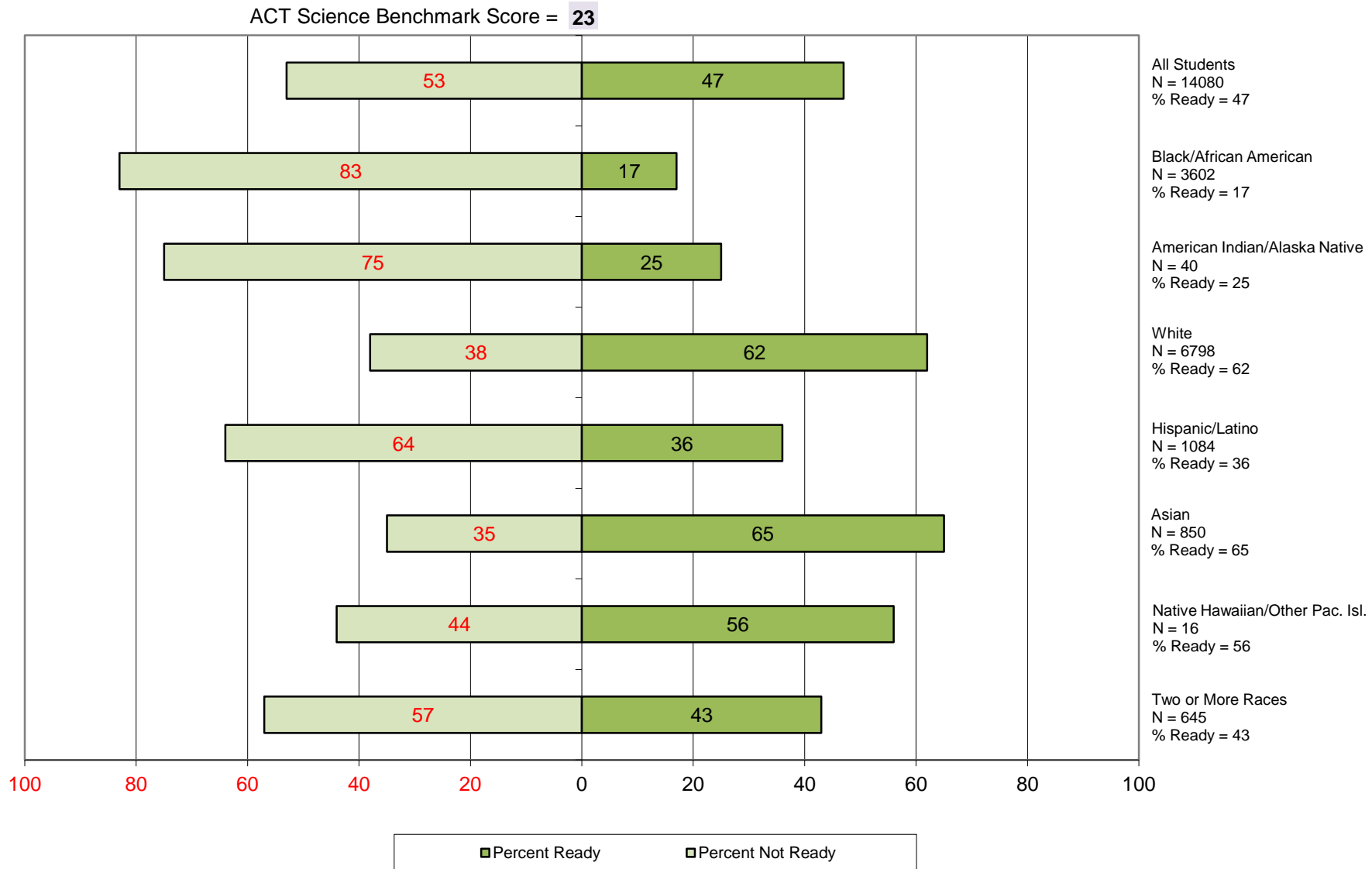
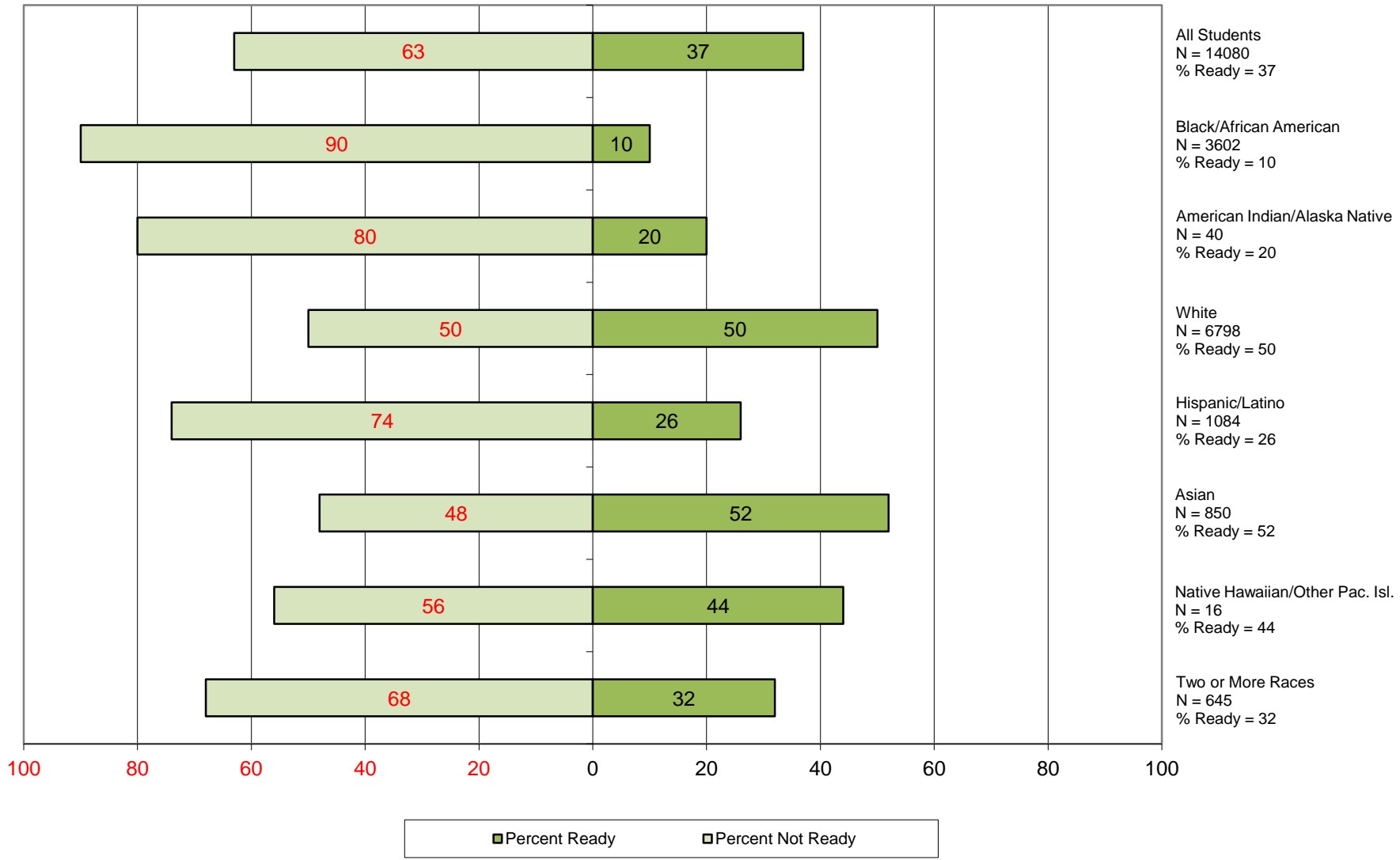


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 14,080

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	2,835	20	22.8	3.9	1,179	19	22.6	5.0	1,656	21	22.9	3.1
Eng 9, Eng 10, Eng 11, Eng 12	10,583	75	22.0	3.1	4,718	76	21.9	4.3	5,865	75	22.1	2.3
Less than 4 years of English	231	2	18.9	-	98	2	17.6	-	133	2	19.8	-
Zero years / no English courses reported	431	3	21.9	-	240	4	21.7	-	191	2	22.1	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,018	7	24.7	7.3	438	7	25.1	7.7	580	7	24.4	7.1
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,299	9	21.0	3.6	452	7	21.3	3.9	847	11	20.9	3.6
Alg 1, Alg 2, Geom, & Trig	891	6	18.3	0.9	343	6	18.7	1.3	548	7	18.1	0.8
Alg 1, Alg 2, Geom, & Other Adv Math	1,832	13	19.2	1.8	660	11	19.5	2.1	1,172	15	19.0	1.7
Other comb of 4 or more years of Math	6,846	49	25.0	7.6	3,332	53	25.7	8.3	3,514	45	24.4	7.1
Alg 1, Alg 2, & Geom	1,006	7	16.5	-0.9	418	7	16.7	-0.7	588	7	16.3	-1.0
Other comb of 3 or 3.5 years of Math	576	4	20.8	3.4	269	4	21.4	4.0	307	4	20.3	3.0
Less than 3 years of Math	185	1	17.4	-	86	1	17.4	-	99	1	17.3	-
Zero years / no Math courses reported	427	3	21.3	-	237	4	21.7	-	190	2	20.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	951	7	23.6	1.0	495	8	23.1	0.8	456	6	24.2	1.3
Other comb of 4 or more years Social Science	5,136	36	23.4	0.8	2,357	38	23.2	0.9	2,779	35	23.5	0.6
US Hist, World Hist, & Am Gov	2,340	17	21.6	-1.0	1,107	18	21.5	-0.8	1,233	16	21.6	-1.3
Other comb of 3 or 3.5 years of Social Science	4,174	30	23.1	0.5	1,580	25	23.0	0.7	2,594	33	23.1	0.2
Less than 3 years of Social Science	1,049	7	22.6	-	457	7	22.3	-	592	8	22.9	-
Zero years / no Social Science courses reported	430	3	23.8	-	239	4	23.3	-	191	2	24.5	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	6,529	46	23.2	3.9	3,207	51	23.8	4.7	3,322	42	22.8	3.3
Bio, Chem, Phys	2,070	15	24.3	5.0	910	15	25.4	6.3	1,160	15	23.5	4.0
Gen Sci ² , Bio, Chem	3,828	27	20.1	0.8	1,389	22	20.1	1.0	2,439	31	20.2	0.7
Other comb of 3 years of Natural Science	167	1	20.7	1.4	92	1	21.7	2.6	75	1	19.5	0.0
Less than 3 years of Natural Science	1,053	7	19.3	-	397	6	19.1	-	656	8	19.5	-
Zero years / no Natural Science courses reported	433	3	22.5	-	240	4	22.5	-	193	2	22.5	-

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: 14,080

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	2,835	20	22.8	76	370,875	20	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	10,583	75	22.0	73	1,305,220	71	20.5	65
Less than 4 years of English	231	2	18.9	53	88,420	5	15.9	36
Zero years / no English courses reported	431	3	21.9	72	81,272	4	16.3	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	1,018	7	24.7	75	118,677	6	23.8	67
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,299	9	21.0	47	157,764	9	21.8	55
Alg 1, Alg 2, Geom, & Trig	891	6	18.3	21	120,160	7	19.3	30
Alg 1, Alg 2, Geom, & Other Adv Math	1,832	13	19.2	28	356,555	19	19.4	31
Other comb of 4 or more years of Math	6,846	49	25.0	75	622,896	34	23.7	65
Alg 1, Alg 2, & Geom	1,006	7	16.5	9	220,037	12	17.1	11
Other comb of 3 or 3.5 years of Math	576	4	20.8	43	90,105	5	19.8	35
Less than 3 years of Math	185	1	17.4	14	74,627	4	16.4	8
Zero years / no Math courses reported	427	3	21.3	45	84,966	5	17.8	19
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	951	7	23.6	59	48,992	3	22.3	50
Other comb of 4 or more years Social Science	5,136	36	23.4	57	921,129	50	22.2	50
US Hist, World Hist, & Am Gov	2,340	17	21.6	45	105,110	6	19.6	33
Other comb of 3 or 3.5 years of Social Science	4,174	30	23.1	55	504,877	27	21.3	43
Less than 3 years of Social Science	1,049	7	22.6	51	180,385	10	19.4	32
Zero years / no Social Science courses reported	430	3	23.8	63	85,294	5	17.8	24
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	6,529	46	23.2	55	781,043	42	22.1	46
Bio, Chem, Phys	2,070	15	24.3	63	199,419	11	23.1	54
Gen Sci ¹ , Bio, Chem	3,828	27	20.1	31	505,460	27	20.0	28
Other comb of 3 years of Natural Science	167	1	20.7	34	52,236	3	19.2	24
Less than 3 years of Natural Science	1,053	7	19.3	27	220,701	12	18.1	17
Zero years / no Natural Science courses reported	433	3	22.5	48	86,928	5	17.7	17

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: 14,080

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	122	1	22.6	2	2	24.5	106	1	22.5
Architecture	138	1	21.4	0	0	.	126	1	21.1
Area, Ethnic, & Multidisciplinary Studies	27	0	24.9	0	0	.	24	0	25.0
Arts: Visual & Performing	638	5	20.9	12	11	16.4	564	5	21.1
Business	1,574	11	21.4	28	25	18.5	1,395	12	21.4
Communications	457	3	21.2	2	2	14.5	417	3	21.1
Community, Family, & Personal Services	136	1	18.4	4	4	15.3	123	1	18.4
Computer Science & Mathematics	611	4	23.9	5	4	17.4	559	5	24.1
Education	612	4	20.5	3	3	13.7	552	5	20.6
Engineering	1,537	11	25.0	1	1	14.0	1,348	11	24.9
Engineering Technology & Drafting	131	1	19.9	3	3	14.0	118	1	20.1
English & Foreign Languages	169	1	24.2	1	1	12.0	144	1	24.1
Health Administration & Assisting	294	2	18.4	12	11	15.7	258	2	18.6
Health Sciences & Technologies	1,953	14	21.9	12	11	18.5	1,785	15	21.8
Philosophy, Religion, & Theology	39	0	22.3	1	1	17.0	32	0	22.4
Repair, Production, & Construction	25	0	18.9	5	4	16.0	16	0	20.0
Sciences: Biological & Physical	1,608	11	24.4	0	0	.	1,451	12	24.3
Social Sciences & Law	1,399	10	21.9	6	5	19.0	1,258	10	21.9
Undecided	2,257	16	23.4	14	12	17.5	1,747	15	23.2
No Response	353	3	22.3	3	3	18.7	24	0	21.5

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: 14,080

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	39	17.9	19	15.2	0	.	10	23.2	4	18.5
2-yr College Degree	75	17.0	26	15.1	0	.	33	18.3	6	15.7
Bachelors Degree	5,025	20.5	1,437	16.7	21	18.5	2,544	22.5	381	19.6
Graduate Study	3,396	23.9	684	19.4	6	21.0	1,980	25.4	254	22.7
Prof. Level Degree	3,626	24.1	1,090	20.0	10	19.1	1,457	26.7	307	22.4
Other	130	19.7	46	16.5	0	.	50	22.7	14	18.8
No Response	1,789	23.4	300	18.2	3	22.3	724	25.4	118	20.6

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	39	17.9	2	19.0	0	.	3	16.7	1	17.0
2-yr College Degree	75	17.0	1	16.0	0	.	4	18.5	5	18.4
Bachelors Degree	5,025	20.5	186	22.5	10	22.6	240	20.5	206	21.6
Graduate Study	3,396	23.9	163	25.2	1	28.0	135	23.5	173	24.3
Prof. Level Degree	3,626	24.1	368	26.8	4	26.8	193	23.6	197	25.6
Other	130	19.7	7	20.1	0	.	5	20.6	8	21.1
No Response	1,789	23.4	123	25.3	1	25.0	65	24.1	455	23.6

Total Students in Report: 14,080

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	1,838	755	1,083	0	4	15	25	28	23	4
TOWSON UNIVERSITY	Maryland	1,412	439	973	1	9	31	33	20	6	0
UNIVERSITY OF MARYLAND BALTIMORE COUNTY	Maryland	758	149	609	0	4	19	28	29	18	2
SALISBURY UNIVERSITY	Maryland	755	202	553	1	9	31	34	20	6	0
FROSTBURG STATE UNIVERSITY	Maryland	427	113	314	2	16	43	24	12	2	0
BOWIE STATE UNIVERSITY	Maryland	383	120	263	11	36	43	10	1	0	0
MORGAN STATE UNIVERSITY	Maryland	365	121	244	7	37	40	10	5	0	0
VIRGINIA TECH	Virginia	312	76	236	0	3	8	21	35	27	6
STEVENSON UNIVERSITY	Maryland	298	62	236	2	15	38	30	12	3	0
WEST VIRGINIA UNIVERSITY	West Virginia	296	95	201	1	9	24	37	21	7	1
UNIVERSITY OF DELAWARE	Delaware	284	57	227	0	4	12	28	33	20	4
UNIVERSITY OF MARYLAND EASTERN SHORE	Maryland	267	63	204	9	33	45	9	2	1	0
NCAA ELIGIBILITY CENTER	Indiana	260	145	115	3	16	30	22	17	11	1
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	257	43	214	0	3	14	28	33	18	4
JOHNS HOPKINS UNIVERSITY THE	Maryland	240	66	174	1	6	13	20	22	30	8
JAMES MADISON UNIVERSITY	Virginia	236	55	181	0	2	13	34	33	16	2
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	227	72	155	0	2	8	32	40	18	0
HOWARD UNIVERSITY	District of Columbia	214	77	137	4	18	41	25	8	3	0
YORK COLLEGE OF PENNSYLVANIA	Pennsylvania	210	65	145	2	12	38	24	16	7	1
LOYOLA UNIVERSITY MARYLAND	Maryland	179	32	147	1	8	20	27	28	15	2
GEORGE MASON UNIVERSITY	Virginia	177	36	141	3	8	28	30	23	8	1
MOUNT SAINT MARY'S UNIVERSITY	Maryland	175	41	134	1	5	24	37	23	10	0
ST MARY'S COLLEGE OF MARYLAND	Maryland	173	44	129	0	5	18	23	33	18	3
DREXEL UNIVERSITY	Pennsylvania	157	32	125	1	3	12	24	34	24	3
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	146	41	105	1	2	10	21	25	34	8
MONTGOMERY COLLEGE-MD	Maryland	144	70	74	6	17	35	22	14	4	1
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	141	40	101	4	20	45	26	6	0	0
UNIVERSITY OF VIRGINIA	Virginia	138	24	114	0	1	7	15	31	38	9
CLEMSON UNIVERSITY	South Carolina	134	36	98	0	0	7	22	45	22	4
COPPIN STATE UNIVERSITY	Maryland	130	30	100	8	43	42	5	2	0	0
All Other Institutions		11,259	3,134	8,125	2	9	21	24	22	19	3
Total		21,992	6,335	15,657	2	10	23	25	22	16	3

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: 14,080

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

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	10,839	976,031	23.1	21.3	7.4	7.1	22.3	20.6
Black/African American	2,459	114,263	18.3	16.4	6.8	6.3	18.2	16.3
American Indian/Alaska Native	27	6,408	19.9	16.8	6.7	6.2	19.3	16.5
White	5,397	520,054	25.0	23.1	7.7	7.3	23.9	22.1
Hispanic/Latino	868	167,575	21.1	18.5	7.3	6.9	20.7	18.4
Asian	724	61,663	25.5	23.7	8.0	7.7	24.5	22.9
Native Hawaiian/Other Pac. Isl.	12	3,742	23.6	17.7	7.8	6.6	23.1	17.6
Two or more races	484	39,565	22.8	21.4	7.4	7.1	22.0	20.7
Prefer not/No Response	868	62,761	24.3	21.6	7.5	7.1	23.3	20.9
Males	4,658	438,500	23.0	21.1	7.2	6.9	22.0	20.2
Females	6,181	530,240	23.1	21.6	7.6	7.3	22.4	21.1
Missing	0	7,291	.	16.0	.	5.9	.	15.7

