



Profile Report - State

Graduating Class 2015

Maryland



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This report provides information about the performance of your 2015 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2015. Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included in the report.

This report focuses on:

Performance - student test performance in the context of college readiness

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

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

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

Awareness - extent to which student aspirations match performance

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

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

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

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

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

The ACT:

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

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

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

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

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

39% 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: 15,753 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. 82% 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, 15% were college ready. 6% 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 7% of the cohort took less than three years of natural science courses. 26% of these students were college ready. In comparison, 52% 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 37% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

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

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

Section I

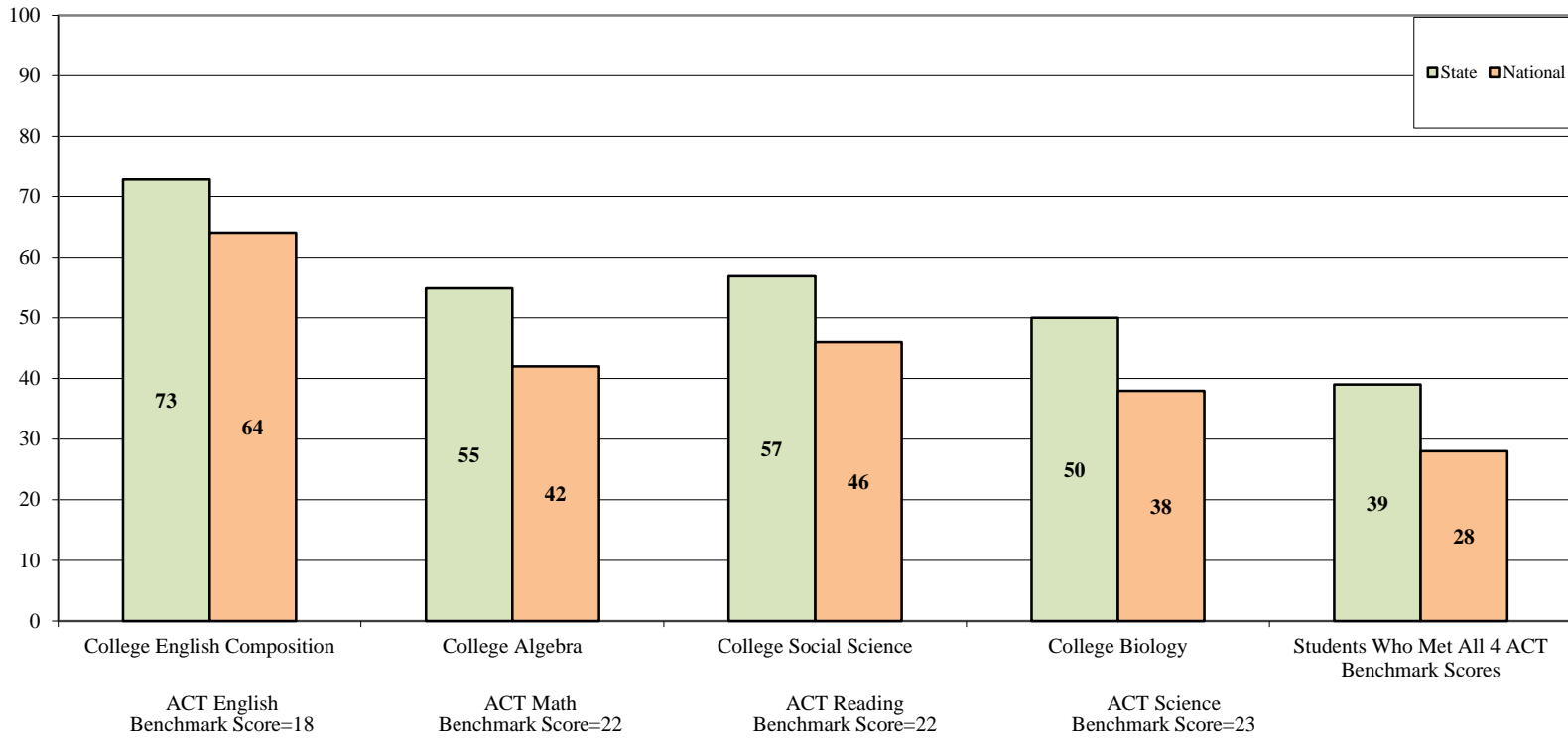
Executive Summary

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

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

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

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



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

Total Students in Report: 15,753

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

Year	Number of Students Tested		Percent Who Met Benchmarks									
			English		Mathematics		Reading		Science		Met All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2011	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
2015	15,753	1,924,436	73	64	55	42	57	46	50	38	39	28

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2011	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
2015	15,753	1,924,436	22.3	20.4	22.5	20.8	23.2	21.4	22.5	20.9	22.7	21.0

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2011	1,623,112	20.6	21.1	21.3	20.9	21.1
2012	1,666,017	20.5	21.1	21.3	20.9	21.1
2013	1,799,243	20.2	20.9	21.1	20.7	20.9
2014	1,845,787	20.3	20.9	21.3	20.8	21.0
2015	1,924,436	20.4	20.8	21.4	20.9	21.0

Total Students in Report: 15,753

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
	Core or More ¹	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2011	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
2015	12,903	2,378	82	15	22.6	20.4	22.9	20.8	23.5	21.5	22.8	20.8	23.1	21.0

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.

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

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

	2011			2012			2013			2014			2015		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	12,687	100	22.1	13,334	100	22.1	13,820	100	22.3	14,080	100	22.6	15,753	100	22.7
Black/African American	3,520	28	17.8	3,791	28	17.9	3,469	25	18.1	3,602	26	18.3	4,051	26	18.5
American Indian/Alaska Native	34	0	21.6	35	0	19.7	37	0	20.1	40	0	19.3	44	0	18.5
White	6,437	51	24.2	6,511	49	24.3	6,906	50	24.3	6,798	48	24.6	7,350	47	24.7
Hispanic/Latino	859	7	20.5	959	7	21.0	997	7	20.8	1,084	8	21.2	1,214	8	21.6
Asian	727	6	25.1	788	6	25.1	798	6	24.6	850	6	25.3	1,092	7	25.8
Native Hawaiian/Other Pacific Islander	14	0	20.2	19	0	21.7	27	0	21.6	16	0	24.1	34	0	21.6
Two or more races	440	3	22.0	546	4	22.2	557	4	22.1	645	5	22.4	745	5	22.3
Prefer not to respond/No response	656	5	23.2	685	5	22.8	1,029	7	23.5	1,045	7	23.7	1,223	8	24.1

Total Students in Report: 15,753

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



Total Students in Report: 15,753

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	14,936	95	22.2	22.5	23.1	22.4	22.7
	Extended Time	817	5	23.2	22.7	25.4	23.6	23.9
	Total	15,753	100	22.3	22.5	23.2	22.5	22.7
National	Standard Time	1,838,433	96	20.6	21.0	21.5	21.1	21.2
	Extended Time	86,003	4	16.5	18.1	18.8	18.3	18.1
	Total	1,924,436	100	20.4	20.8	21.4	20.9	21.0

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

Student Group	Test Session Duration	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Standard Time	73	55	56	49	38
	Extended Time	81	55	71	59	46
	Total	73	55	57	50	39
National	Standard Time	65	43	47	39	28
	Extended Time	38	22	32	23	16
	Total	64	42	46	38	28

Section II

Academic Achievement

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

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

Total Students in Report: 15,753

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	97	100	118	100	218	100	175	100	29	100	36
35	358	99	204	99	250	99	247	99	145	100	35
34	504	97	294	98	478	97	309	97	259	99	34
33	378	94	230	96	654	94	238	95	338	97	33
32	480	92	310	95	594	90	363	94	393	95	32
31	444	88	284	93	566	86	212	92	453	93	31
30	377	86	388	91	664	82	346	90	575	90	30
29	416	83	512	88	549	78	351	88	610	86	29
28	614	81	887	85	600	75	460	86	677	82	28
27	481	77	941	80	559	71	610	83	806	78	27
26	697	74	1,055	74	628	67	905	79	847	73	26
25	970	69	880	67	633	63	1,194	73	878	67	25
24	828	63	920	61	814	59	1,247	66	933	62	24
23	961	58	889	55	878	54	1,195	58	1,013	56	23
22	849	52	730	50	931	49	878	50	976	49	22
21	1,006	46	541	45	876	43	1,193	45	944	43	21
20	968	40	702	42	910	37	963	37	913	37	20
19	577	34	788	37	818	31	1,001	31	849	32	19
18	561	30	890	32	784	26	853	25	879	26	18
17	537	27	1,308	27	595	21	599	19	791	21	17
16	738	23	1,328	18	561	17	753	15	728	16	16
15	894	18	862	10	649	14	511	11	642	11	15
14	535	13	399	4	429	10	325	7	514	7	14
13	380	9	160	2	434	7	356	5	297	4	13
12	276	7	82	1	395	4	165	3	152	2	12
11	303	5	26	1	116	2	143	2	73	1	11
10	259	3	14	1	102	1	70	1	29	1	10
9	164	2	5	1	13	1	51	1	9	1	9
8	55	1	1	1	30	1	20	1	0	1	8
7	34	1	3	1	10	1	8	1	0	1	7
6	9	1	1	1	10	1	4	1	1	1	6
5	3	1	0	1	0	1	4	1	0	1	5
4	0	1	1	1	2	1	0	1	0	1	4
3	0	1	0	1	1	1	2	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	1	1	2	1	0	1	1
Avg (SD)	22.3 (6.7)		22.5 (5.7)		23.2 (6.6)		22.5 (5.7)		22.7 (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: 15,753

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	999	100	411	100	811	100	1,097	100	1,006	100	252	100	288	100	18
17	1,349	94	421	97	1,170	95	1,156	93	906	94	274	98	109	98	17
16	725	85	1,379	95	1,295	87	1,292	86	1,295	88	621	97	1,039	97	16
15	1,174	80	1,260	86	1,216	79	1,513	77	1,100	80	1,379	93	1,350	91	15
14	750	73	1,185	78	993	71	1,268	68	1,141	73	1,934	84	1,570	82	14
13	1,065	68	1,497	70	1,351	65	1,183	60	1,548	65	1,682	72	1,573	72	13
12	1,182	62	1,552	61	1,473	57	1,307	52	1,544	56	1,325	61	1,583	62	12
11	1,640	54	1,708	51	1,345	47	1,080	44	997	46	1,896	53	1,509	52	11
10	1,421	44	1,316	40	1,535	39	1,063	37	1,328	39	2,088	41	1,810	43	10
9	1,145	35	1,517	32	1,068	29	1,129	30	1,172	31	1,785	27	1,768	31	9
8	1,154	27	1,302	22	1,456	22	879	23	1,220	24	1,157	16	1,174	20	8
7	1,043	20	691	14	962	13	930	18	1,525	16	705	9	761	13	7
6	904	13	609	10	502	7	936	12	589	6	134	4	533	8	6
5	576	8	492	6	317	4	542	6	234	2	262	3	327	4	5
4	403	4	275	3	114	2	265	2	93	1	68	2	148	2	4
3	164	1	116	1	50	1	75	1	36	1	146	1	131	1	3
2	53	1	21	1	60	1	34	1	19	1	5	1	2	1	2
1	6	1	1	1	35	1	4	1	0	1	40	1	78	1	1
Avg (SD)	11.3 (4.0)		11.3 (3.5)		11.8 (3.7)		11.9 (4.0)		11.8 (3.7)		11.4 (3.0)		11.2 (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	29	26	27
Q2 (50th Percentile)	22	23	23	22	23
Q1 (25th Percentile)	17	17	18	19	18

Total Students in Report: 15,753

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	15,753	82	23.1	21.0
	Black/African American	4,051	79	18.8	17.5
	American Indian/Alaska Native	44	84	18.1	18.5
	White	7,350	86	24.8	23.7
	Hispanic/Latino	1,214	80	21.9	20.0
	Asian	1,092	87	26.0	23.8
	Native Hawaiian/Other Pac. Isl.	34	76	21.7	21.0
	Two or more races	745	85	22.6	21.1
	Prefer not/No Response	1,223	60	24.9	22.7
National	All Students	1,924,436	72	21.9	18.9
	Black/African American	252,566	67	17.8	15.9
	American Indian/Alaska Native	14,711	61	19.0	16.5
	White	1,057,803	76	23.2	20.2
	Hispanic/Latino	299,920	71	19.6	17.4
	Asian	87,499	79	24.5	22.0
	Native Hawaiian/Other Pac. Isl.	6,090	62	20.3	16.5
	Two or more races	76,066	73	22.0	19.3
	Prefer not/No Response	129,781	54	22.6	18.5

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

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	22.3	22.5	23.2	22.5	22.7
	Black/African American	17.6	18.4	18.9	18.6	18.5
	American Indian/Alaska Native	17.5	18.9	18.5	18.8	18.5
	White	24.5	24.3	25.2	24.2	24.7
	Hispanic/Latino	20.8	21.4	22.1	21.5	21.6
	Asian	25.3	26.7	25.2	25.3	25.8
	Native Hawaiian/Other Pac. Isl.	20.9	22.5	21.5	21.6	21.6
	Two or more races	21.9	21.9	22.9	22.1	22.3
	Prefer not/No Response	23.9	23.3	24.8	23.7	24.1
National	All Students	20.4	20.8	21.4	20.9	21.0
	Black/African American	15.9	17.2	17.4	17.3	17.1
	American Indian/Alaska Native	16.6	18.1	18.4	18.2	17.9
	White	22.1	21.9	22.9	22.2	22.4
	Hispanic/Latino	17.8	19.1	19.2	19.0	18.9
	Asian	23.0	25.0	23.3	23.6	23.9
	Native Hawaiian/Other Pac. Isl.	17.7	19.2	18.9	18.8	18.8
	Two or more races	20.7	20.8	21.8	21.1	21.2
	Prefer not/No Response	19.9	20.5	21.1	20.5	20.6

Total Students in Report: 15,753

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	1,337	8	846	5	1,600	10	969	6
	28 to 32	2,331	15	2,381	15	2,973	19	1,732	11
	24 to 27	2,976	19	3,796	24	2,634	17	3,956	25
	20 to 23	3,784	24	2,862	18	3,595	23	4,229	27
	16 to 19	2,413	15	4,314	27	2,758	18	3,206	20
	13 to 15	1,809	11	1,421	9	1,512	10	1,192	8
	01 to 12	1,103	7	133	1	681	4	469	3
National	33 to 36	100,774	5	54,201	3	114,663	6	62,731	3
	28 to 32	198,676	10	185,515	10	261,565	14	140,666	7
	24 to 27	303,299	16	384,130	20	281,364	15	388,063	20
	20 to 23	444,997	23	352,854	18	463,232	24	559,967	29
	16 to 19	357,690	19	646,399	34	409,189	21	462,353	24
	13 to 15	277,710	14	283,831	15	264,288	14	200,383	10
	01 to 12	241,290	13	17,506	1	130,135	7	110,273	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	7,177	46	22.1	23.3	23.2	23.1	23.1
	Females	8,576	54	22.5	21.8	23.2	22.0	22.5
	Missing	0	0
National	Males	895,775	47	20.0	21.3	21.2	21.3	21.1
	Females	1,013,212	53	20.8	20.4	21.6	20.6	21.0
	Missing	15,449	1	15.7	17.7	17.6	17.5	17.3

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

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Males	72	61	57	55	43
	Females	75	50	57	46	36
National	Males	61	46	45	42	30
	Females	66	39	47	36	26

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

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	12,903	75	22.6	58	22.9	59	23.5	52	22.8	41	23.1
	Less than Core	2,378	62	20.4	42	20.8	47	21.5	37	20.8	28	21.0
	Missing ³	472	76	22.0	45	21.5	65	24.0	53	22.7	38	22.7
National	Core or More	1,389,338	71	21.4	49	21.7	52	22.3	44	21.8	33	21.9
	Less than Core	424,562	48	18.0	27	18.9	32	19.3	24	19.0	16	18.9
	Missing	110,536	38	16.3	19	17.8	25	18.0	19	17.8	11	17.6

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

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

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

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

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

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More ²	15,024	74	22.3	15,095	56	22.6	14,175	57	23.2	14,123	52	22.7
	Less than Core	262	60	20.0	192	15	16.9	1,110	57	23.0	1,164	26	19.3
	Missing ³	467	77	22.1	466	46	21.6	468	65	24.1	466	54	22.8
National	Core or More	1,732,463	67	20.8	1,743,121	45	21.2	1,627,689	49	21.8	1,592,830	42	21.5
	Less than Core	93,944	36	15.9	78,951	8	16.3	194,720	34	19.5	227,926	18	18.1
	Missing	98,029	40	16.5	102,364	20	17.8	102,027	26	18.1	103,680	20	18.0

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

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

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

³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

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

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

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

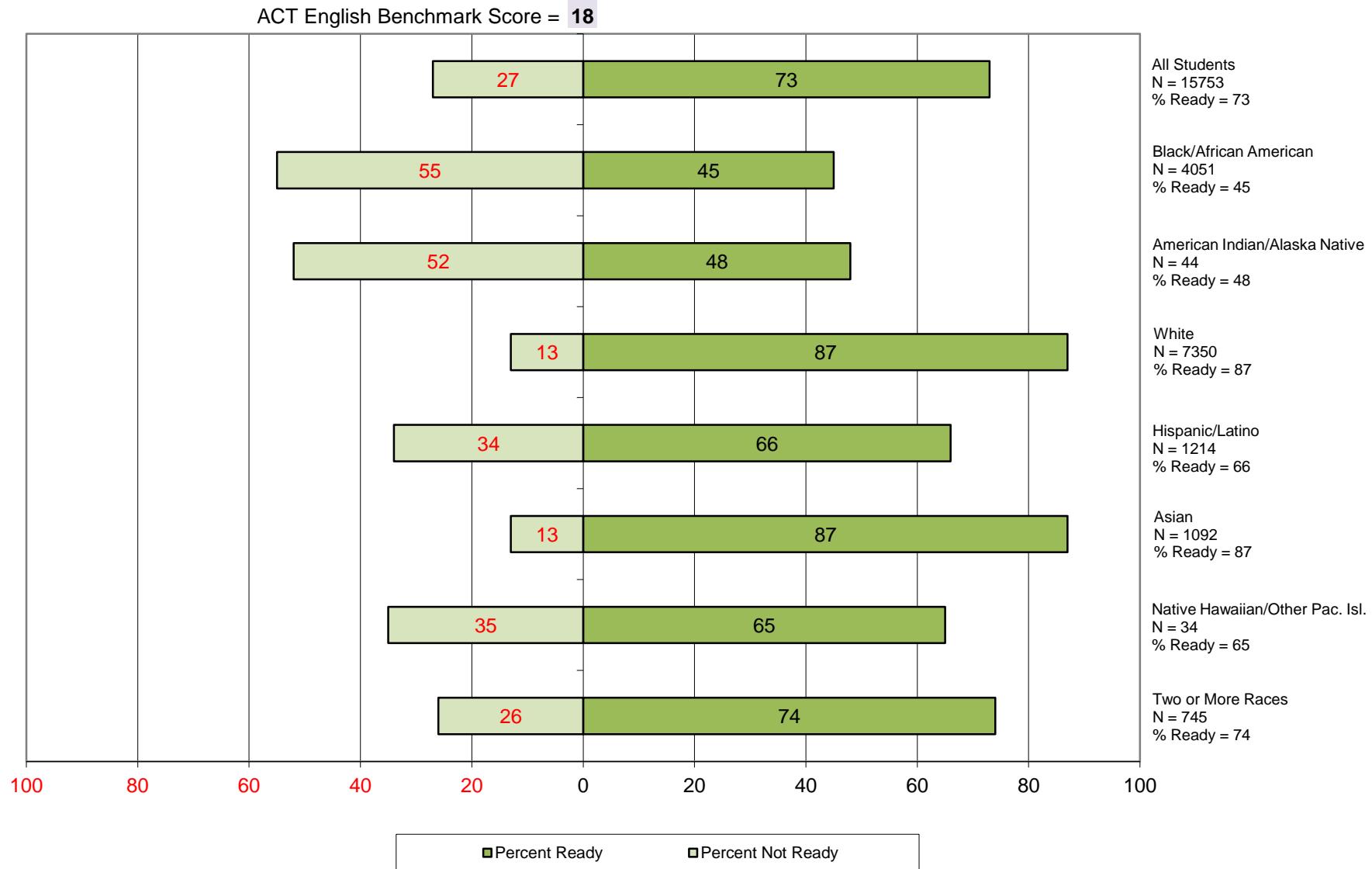


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

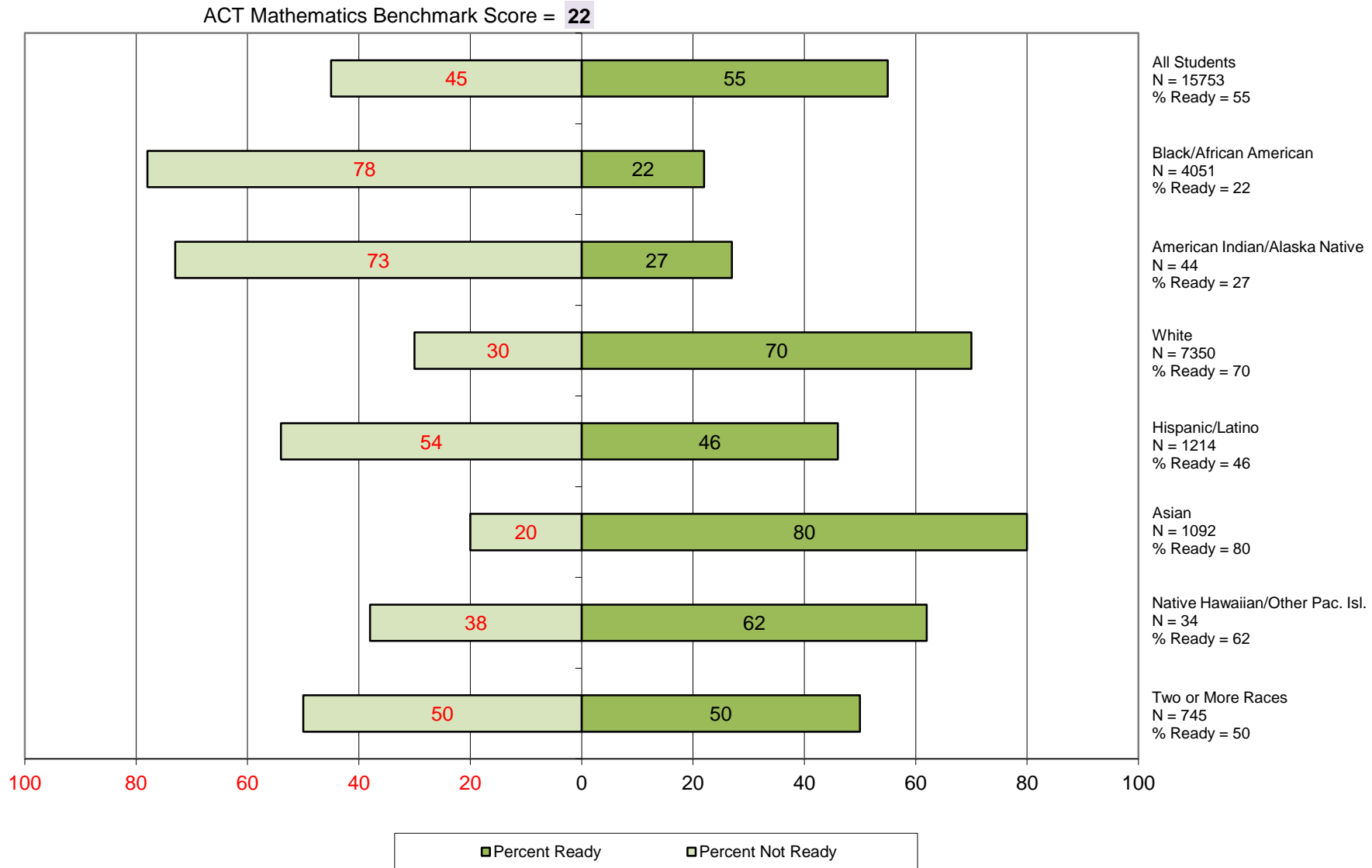


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

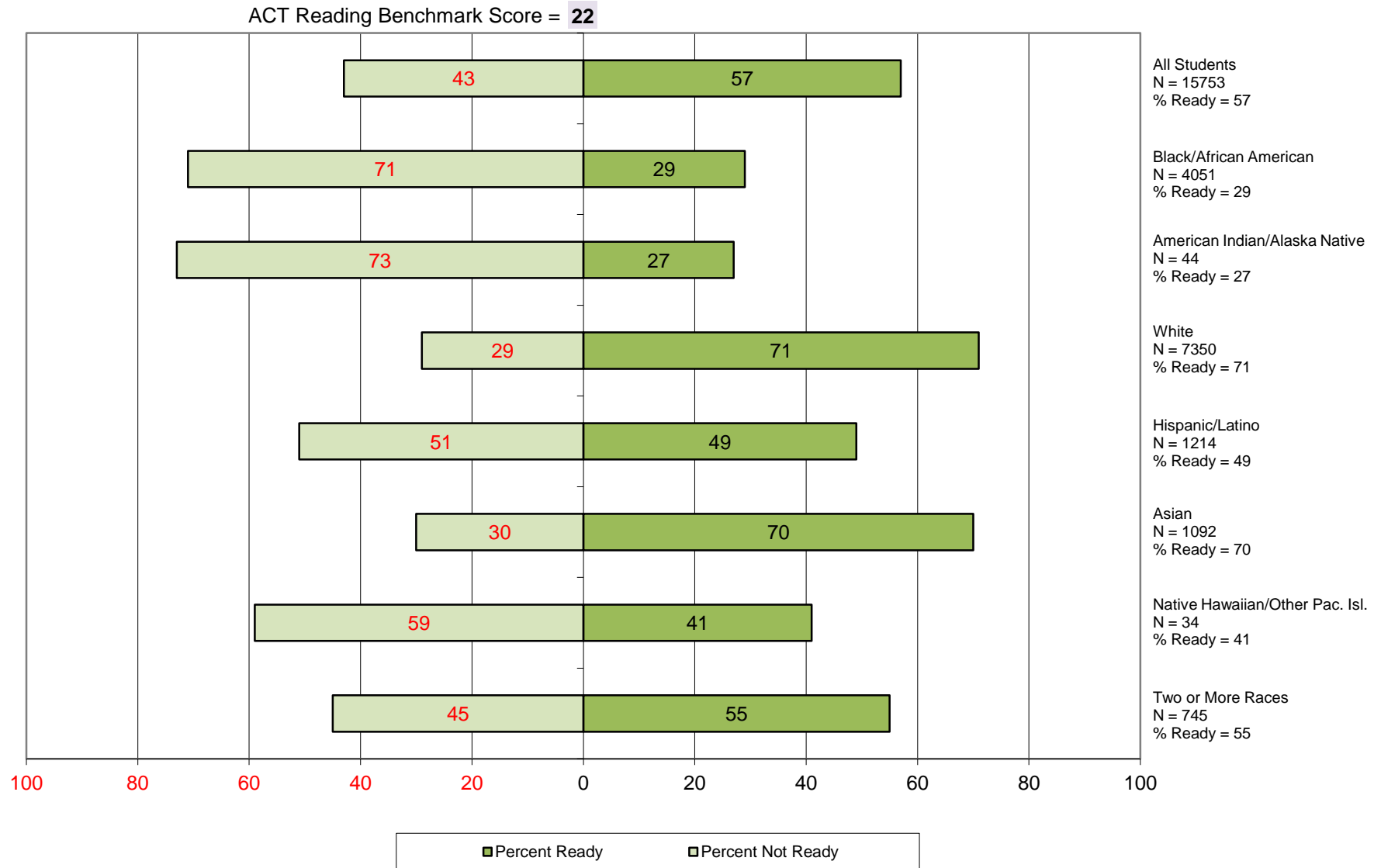


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

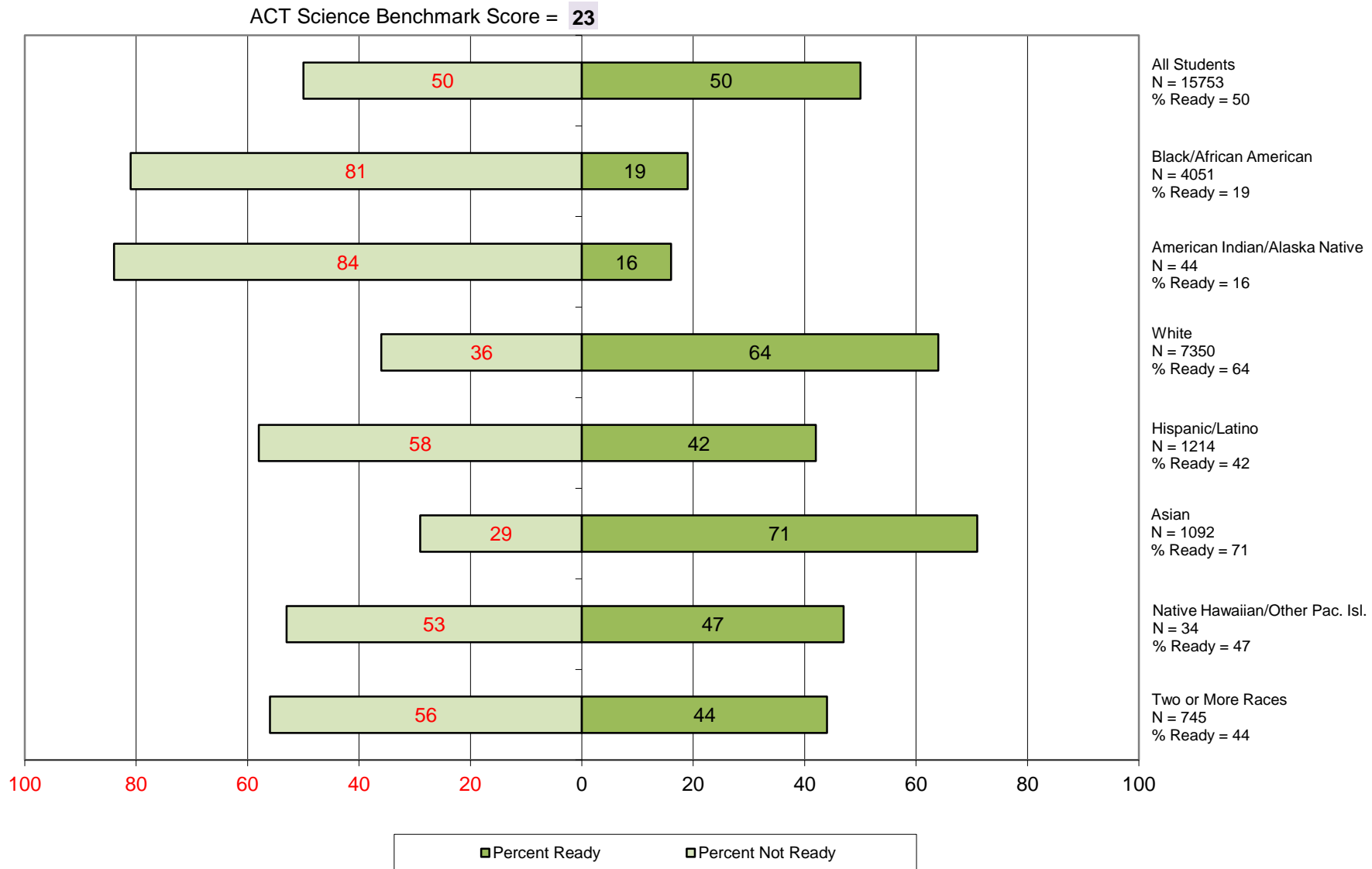
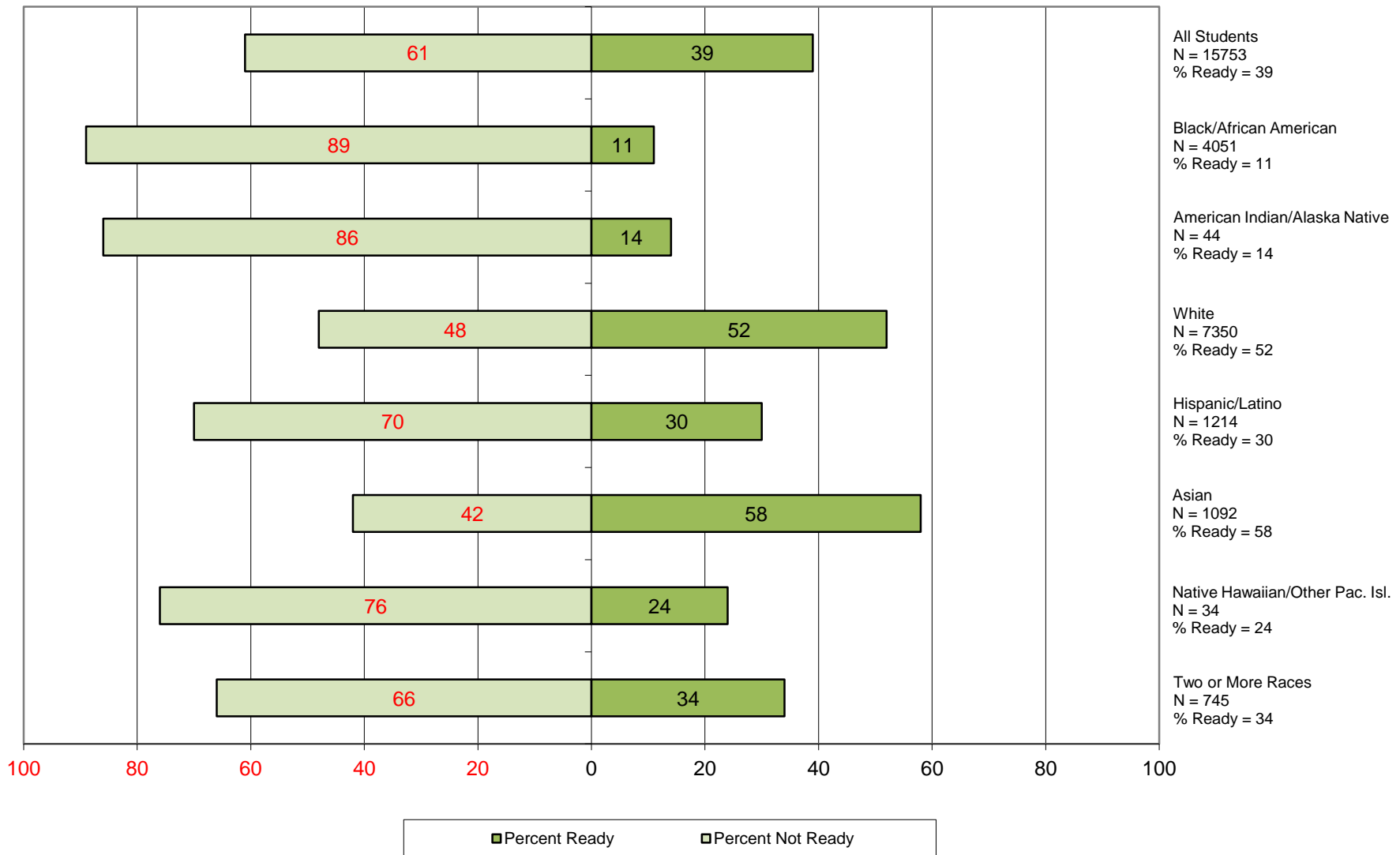


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 15,753

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	3,333	21	22.8	2.8	1,432	20	22.2	2.6	1,901	22	23.2	2.9
Eng 9, Eng 10, Eng 11, Eng 12	11,691	74	22.2	2.2	5,361	75	22.1	2.5	6,330	74	22.3	2.0
Less than 4 years of English	262	2	20.0	-	108	2	19.6	-	154	2	20.3	-
Zero years / no English courses reported	467	3	22.1	-	276	4	22.0	-	191	2	22.2	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,095	7	24.4	7.5	469	7	25.6	8.6	626	7	23.6	6.8
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,543	10	20.9	4.0	519	7	21.5	4.5	1,024	12	20.6	3.8
Alg 1, Alg 2, Geom, & Trig	913	6	18.1	1.2	370	5	18.2	1.2	543	6	18.1	1.3
Alg 1, Alg 2, Geom, & Other Adv Math	2,099	13	19.1	2.2	767	11	19.4	2.4	1,332	16	18.9	2.1
Other comb of 4 or more years of Math	7,831	50	25.0	8.1	3,969	55	25.6	8.6	3,862	45	24.3	7.5
Alg 1, Alg 2, & Geom	951	6	16.5	-0.4	404	6	16.8	-0.2	547	6	16.3	-0.5
Other comb of 3 or 3.5 years of Math	663	4	21.4	4.5	304	4	21.7	4.7	359	4	21.1	4.3
Less than 3 years of Math	192	1	16.9	-	100	1	17.0	-	92	1	16.8	-
Zero years / no Math courses reported	466	3	21.6	-	275	4	22.1	-	191	2	20.8	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,065	7	23.3	0.3	595	8	23.3	0.3	470	5	23.4	0.4
Other comb of 4 or more years Social Science	5,731	36	23.7	0.7	2,647	37	23.7	0.7	3,084	36	23.7	0.7
US Hist, World Hist, & Am Gov	2,694	17	21.8	-1.2	1,270	18	21.8	-1.2	1,424	17	21.8	-1.2
Other comb of 3 or 3.5 years of Social Science	4,685	30	23.3	0.3	1,859	26	23.4	0.4	2,826	33	23.2	0.2
Less than 3 years of Social Science	1,110	7	23.0	-	529	7	23.0	-	581	7	23.0	-
Zero years / no Social Science courses reported	468	3	24.1	-	277	4	23.8	-	191	2	24.4	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	7,409	47	23.6	4.3	3,820	53	24.1	5.2	3,589	42	23.1	3.6
Bio, Chem, Phys	2,419	15	24.5	5.2	1,101	15	25.5	6.6	1,318	15	23.8	4.3
Gen Sci ² , Bio, Chem	4,112	26	20.3	1.0	1,454	20	20.3	1.4	2,658	31	20.3	0.8
Other comb of 3 years of Natural Science	183	1	20.2	0.9	93	1	20.6	1.7	90	1	19.8	0.3
Less than 3 years of Natural Science	1,164	7	19.3	-	433	6	18.9	-	731	9	19.5	-
Zero years / no Natural Science courses reported	466	3	22.8	-	276	4	23.2	-	190	2	22.1	-

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.

Total Students in Report: 15,753

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	3,333	21	22.8	75	373,145	19	21.7	72
Eng 9, Eng 10, Eng 11, Eng 12	11,691	74	22.2	73	1,359,318	71	20.6	65
Less than 4 years of English	262	2	20.0	60	93,944	5	15.9	36
Zero years / no English courses reported	467	3	22.1	77	98,029	5	16.5	40
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	1,095	7	24.4	73	123,105	6	23.5	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,543	10	20.9	45	164,036	9	21.7	53
Alg 1, Alg 2, Geom, & Trig	913	6	18.1	18	123,192	6	19.1	28
Alg 1, Alg 2, Geom, & Other Adv Math	2,099	13	19.1	27	362,476	19	19.4	30
Other comb of 4 or more years of Math	7,831	50	25.0	74	655,589	34	23.7	64
Alg 1, Alg 2, & Geom	951	6	16.5	9	219,221	11	17.1	11
Other comb of 3 or 3.5 years of Math	663	4	21.4	47	95,502	5	19.8	34
Less than 3 years of Math	192	1	16.9	15	78,951	4	16.3	8
Zero years / no Math courses reported	466	3	21.6	46	102,364	5	17.8	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,065	7	23.3	58	48,944	3	22.3	51
Other comb of 4 or more years Social Science	5,731	36	23.7	60	942,441	49	22.3	52
US Hist, World Hist, & Am Gov	2,694	17	21.8	48	108,348	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	4,685	30	23.3	58	527,956	27	21.4	46
Less than 3 years of Social Science	1,110	7	23.0	57	194,720	10	19.5	34
Zero years / no Social Science courses reported	468	3	24.1	65	102,027	5	18.1	26
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	7,409	47	23.6	58	807,744	42	22.2	48
Bio, Chem, Phys	2,419	15	24.5	64	217,893	11	23.2	55
Gen Sci ¹ , Bio, Chem	4,112	26	20.3	33	512,754	27	20.1	30
Other comb of 3 years of Natural Science	183	1	20.2	32	54,439	3	19.1	24
Less than 3 years of Natural Science	1,164	7	19.3	26	227,926	12	18.1	18
Zero years / no Natural Science courses reported	466	3	22.8	54	103,680	5	18.0	20

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

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

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

Total Students in Report: 15,753

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	108	1	22.5	3	2	17.0	102	1	22.7
Architecture	128	1	21.2	0	0	.	110	1	21.3
Area, Ethnic, & Multidisciplinary Studies	25	0	23.0	0	0	.	21	0	23.3
Arts: Visual & Performing	725	5	21.1	10	7	14.2	647	5	21.3
Business	1,826	12	21.7	28	21	18.4	1,595	12	21.6
Communications	440	3	21.3	5	4	17.4	387	3	21.3
Community, Family, & Personal Services	176	1	19.2	5	4	17.8	155	1	19.4
Computer Science & Mathematics	749	5	24.2	6	4	16.8	662	5	24.1
Education	592	4	20.6	2	1	17.5	531	4	20.4
Engineering	1,781	11	25.3	6	4	18.7	1,578	12	25.2
Engineering Technology & Drafting	133	1	20.7	3	2	12.0	119	1	21.1
English & Foreign Languages	187	1	23.9	1	1	16.0	161	1	24.0
Health Administration & Assisting	330	2	18.6	6	4	16.2	288	2	18.7
Health Sciences & Technologies	2,214	14	21.9	15	11	18.3	2,011	15	21.9
Philosophy, Religion, & Theology	37	0	20.6	0	0	.	31	0	20.5
Repair, Production, & Construction	19	0	18.9	4	3	20.3	13	0	18.2
Sciences: Biological & Physical	1,744	11	24.5	3	2	15.0	1,565	12	24.4
Social Sciences & Law	1,530	10	22.1	10	7	16.4	1,394	10	22.1
Undecided	2,648	17	23.4	27	20	16.1	2,072	15	23.3
No Response	360	2	22.7	2	1	17.5	20	0	20.4

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: 15,753

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	56	17.4	23	14.7	0	.	20	19.3	1	17.0
2-yr College Degree	80	16.7	23	13.6	0	.	34	18.1	8	16.1
Bachelors Degree	5,667	20.7	1,591	17.0	25	17.0	2,821	22.8	446	19.6
Graduate Study	3,793	24.1	771	19.7	7	22.1	2,148	25.5	251	23.1
Prof. Level Degree	4,003	24.2	1,211	20.1	8	20.6	1,515	26.7	361	23.2
Other	130	19.8	57	16.3	0	.	36	24.9	15	19.3
No Response	2,024	23.6	375	17.8	4	17.0	776	25.9	132	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	56	17.4	10	19.8	0	.	2	18.5	0	.
2-yr College Degree	80	16.7	5	19.2	0	.	7	16.9	3	21.7
Bachelors Degree	5,667	20.7	268	22.8	13	20.8	268	20.5	235	21.5
Graduate Study	3,793	24.1	209	26.4	10	23.0	184	23.9	213	24.8
Prof. Level Degree	4,003	24.2	425	27.1	6	23.7	215	23.7	262	26.0
Other	130	19.8	5	26.2	1	14.0	6	18.5	10	20.2
No Response	2,024	23.6	170	26.8	4	19.5	63	21.8	500	24.0

Total Students in Report: 15,753

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	2,295	957	1,338	1	5	15	25	27	22	6
TOWSON UNIVERSITY	Maryland	1,556	474	1,082	2	10	30	34	19	6	0
UNIVERSITY OF MARYLAND BALTIMORE COUNTY	Maryland	893	165	728	1	3	15	28	32	17	4
SALISBURY UNIVERSITY	Maryland	794	214	580	1	10	30	35	17	6	1
FROSTBURG STATE UNIVERSITY	Maryland	467	121	346	3	19	37	26	12	3	0
MORGAN STATE UNIVERSITY	Maryland	444	143	301	7	37	39	14	3	0	0
BOWIE STATE UNIVERSITY	Maryland	362	118	244	8	42	39	9	2	0	0
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	342	70	272	0	4	14	32	28	19	3
STEVENSON UNIVERSITY	Maryland	339	80	259	2	16	36	31	10	4	0
UNIVERSITY OF DELAWARE	Delaware	311	57	254	1	3	12	25	35	21	3
VIRGINIA TECH	Virginia	309	55	254	1	2	7	20	31	33	6
JOHNS HOPKINS UNIVERSITY THE	Maryland	302	93	209	1	2	8	26	24	27	12
HOWARD UNIVERSITY	District of Columbia	275	94	181	3	18	36	26	16	1	0
WEST VIRGINIA UNIVERSITY	West Virginia	270	74	196	1	10	30	30	19	9	1
UNIVERSITY OF MARYLAND EASTERN SHORE	Maryland	269	73	196	7	42	36	12	3	0	0
NCAA ELIGIBILITY CENTER	Indiana	253	147	106	4	15	30	26	16	9	0
JAMES MADISON UNIVERSITY	Virginia	240	56	184	0	0	11	32	42	14	1
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	204	55	149	0	2	14	31	33	18	2
GEORGE MASON UNIVERSITY	Virginia	202	41	161	0	6	25	32	21	14	1
MOUNT SAINT MARY'S UNIVERSITY	Maryland	189	59	130	2	8	30	35	15	9	1
LOYOLA UNIVERSITY MARYLAND	Maryland	188	29	159	3	8	21	32	21	14	1
ST MARY'S COLLEGE OF MARYLAND	Maryland	180	47	133	1	4	13	33	29	18	2
YORK COLLEGE OF PENNSYLVANIA	Pennsylvania	163	38	125	1	8	31	42	15	3	0
UNIVERSITY OF VIRGINIA	Virginia	161	33	128	1	1	7	9	29	44	9
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	160	32	128	1	2	4	21	26	40	7
UNIVERSITY OF PENNSYLVANIA	Pennsylvania	156	43	113	0	1	8	21	24	33	14
DELAWARE STATE UNIVERSITY	Delaware	153	41	112	5	33	43	16	3	0	0
MONTGOMERY COLLEGE-MD	Maryland	149	59	90	5	19	35	21	10	10	1
MCDANIEL COLLEGE	Maryland	142	26	116	2	8	33	30	14	10	3
HAMPTON UNIVERSITY	Virginia	141	36	105	4	21	34	30	9	1	0
All Other Institutions		12,050	3,397	8,653	1	8	21	26	22	18	4
Total		23,959	6,927	17,032	2	9	22	27	21	15	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: 15,753

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	11,911	1,108,908	23.3	21.0	7.4	6.9	22.3	20.2
Black/African American	2,682	136,380	18.4	16.3	6.6	6.0	18.1	15.9
American Indian/Alaska Native	31	7,142	18.5	16.5	6.6	5.9	18.2	16.0
White	5,722	567,060	25.2	22.8	7.7	7.1	24.0	21.8
Hispanic/Latino	960	196,970	21.3	18.4	7.3	6.7	20.8	18.1
Asian	953	68,736	25.8	23.9	8.0	7.6	24.7	23.0
Native Hawaiian/Other Pac. Isl.	28	4,070	21.9	18.0	6.9	6.5	20.9	17.6
Two or more races	536	45,517	22.9	21.3	7.3	6.9	22.0	20.4
Prefer not/No Response	999	83,033	24.7	20.8	7.4	6.7	23.4	19.9
Males	5,277	507,737	23.2	20.7	7.2	6.6	22.0	19.7
Females	6,634	590,537	23.3	21.4	7.5	7.1	22.5	20.8
Missing	0	10,634	.	16.0	.	5.6	.	15.4

