

ACT Profile Report - State

Graduating Class 2011
Maryland



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This report provides information about the performance of your 2011 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 2011 and tested under standard time conditions.

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 meeting or exceeding 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 are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

31% 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: 12,687 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 2% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 10% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 10% 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. 21% of these students were college ready. In comparison, 38% 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 your regional office at 404-231-1952.

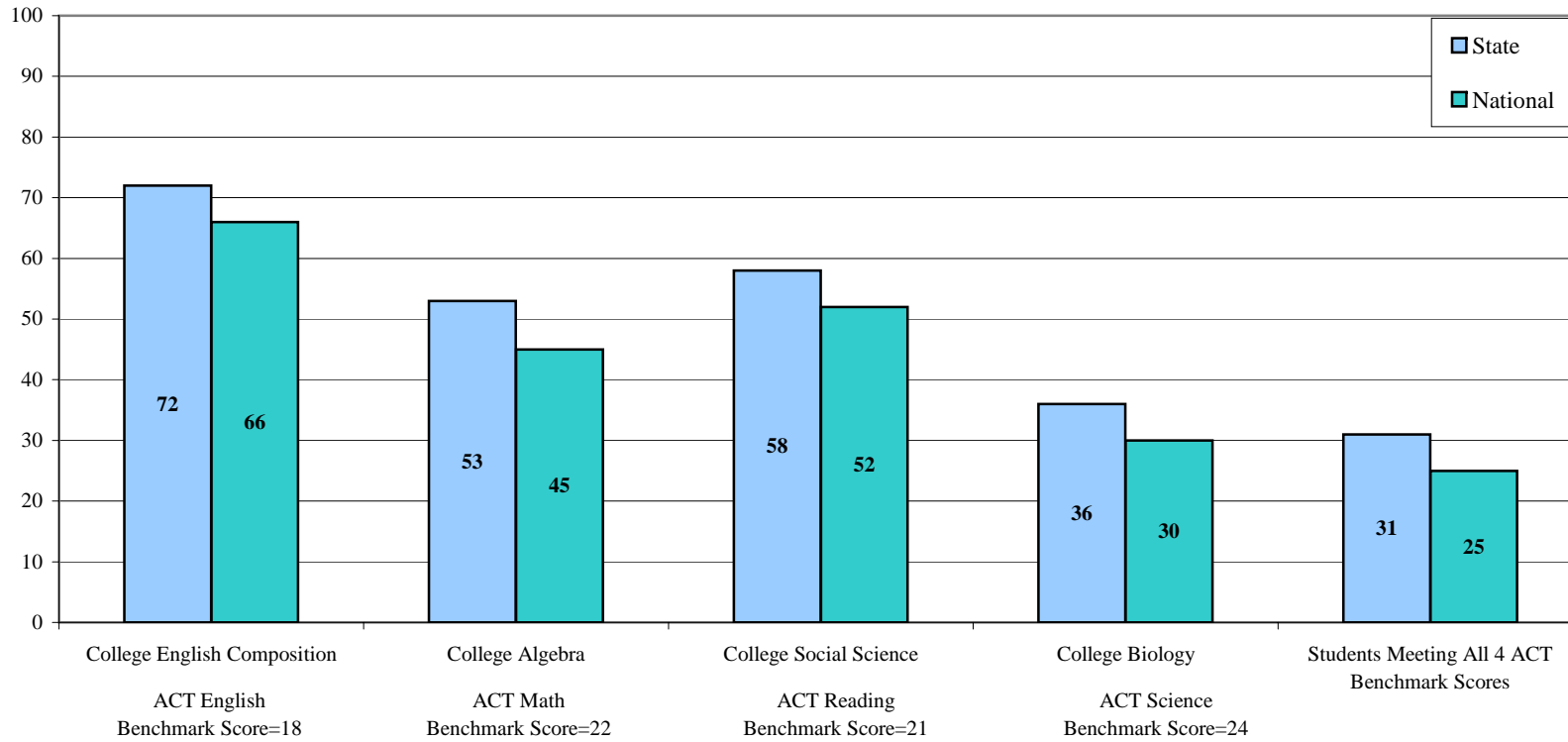
Section I

Executive Summary

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 12,687

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: 12,687

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

Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2007	9,250	1,300,599	72	69	48	43	56	53	32	28	27	23
2008	10,740	1,421,941	72	68	51	43	59	53	34	28	29	22
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

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
2007	9,250	1,300,599	21.3	20.7	21.5	21.0	22.1	21.5	21.2	21.0	21.6	21.2
2008	10,740	1,421,941	21.6	20.6	22.0	21.0	22.3	21.4	21.4	20.8	22.0	21.1
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2007	1,300,599	20.7	21.0	21.5	21.0	21.2
2008	1,421,941	20.6	21.0	21.4	20.8	21.1
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

Total Students in Report: 12,687

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
2007	4,794	2,658	52	29	21.6	20.5	21.9	20.8	22.4	21.4	21.6	20.5	22.0	20.9
2008	7,399	2,409	69	22	21.8	20.7	22.1	21.2	22.4	21.7	21.5	20.7	22.1	21.2
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

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.

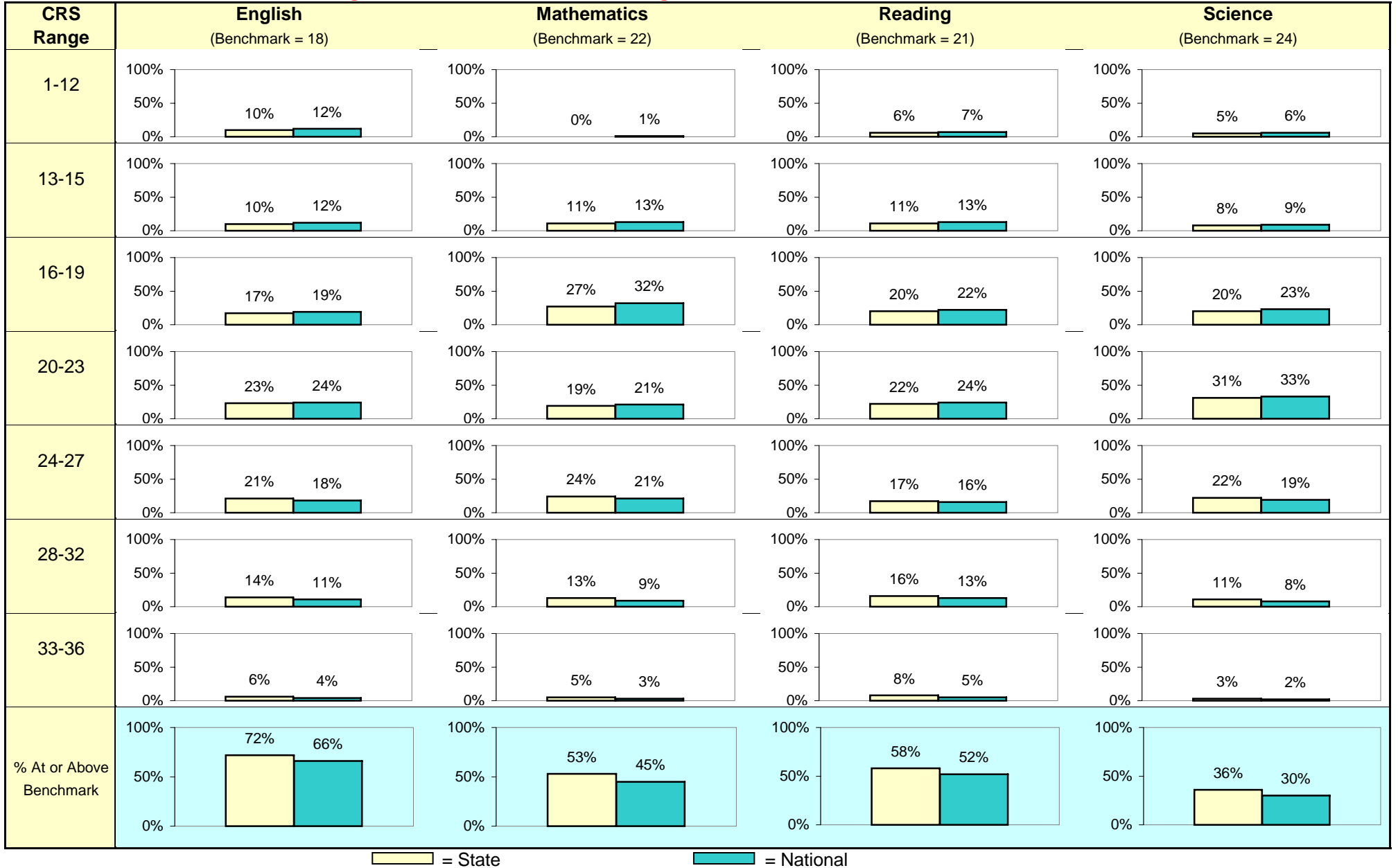
Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2007			2008			2009			2010			2011		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	9,250	100	21.6	10,740	100	22.0	11,317	100	22.1	11,924	100	22.3	12,687	100	22.1
Black/African American	2,242	24	17.3	2,686	25	17.5	3,003	27	17.8	3,192	27	17.8	3,520	28	17.8
American Indian/Alaska Native	36	0	19.6	40	0	22.1	26	0	20.8	37	0	20.9	34	0	21.6
White	4,304	47	23.3	5,500	51	23.5	6,038	53	23.9	6,320	53	24.2	6,437	51	24.2
Hispanic/Latino	254	3	21.3	378	4	21.5	499	4	20.8	639	5	20.7	859	7	20.5
Asian	332	4	24.1	458	4	24.6	651	6	25.0	721	6	25.2	727	6	25.1
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	14	0	20.2
Two or more races	205	2	22.1	247	2	21.5	302	3	22.3	381	3	22.6	440	3	22.0
Prefer not to respond/No response	1,877	20	22.7	1,431	13	23.9	798	7	23.8	634	5	23.2	656	5	23.2

¹Refer to the section header on page 5 for a description of race/ethnicity changes.

Total Students in Report: 12,687

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



Section II

Academic Achievement

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 12,687

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

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	56	100	79	100	146	100	76	100	10	100	36
35	291	100	141	99	145	99	87	99	55	100	35
34	239	97	249	98	316	98	62	99	140	99	34
33	235	95	217	96	379	95	155	98	201	98	33
32	259	94	263	95	371	92	158	97	237	97	32
31	318	91	221	93	411	89	136	96	284	95	31
30	341	89	267	91	474	86	245	95	393	93	30
29	391	86	353	89	331	82	313	93	481	90	29
28	424	83	527	86	440	80	554	90	551	86	28
27	586	80	696	82	450	76	437	86	622	81	27
26	574	75	800	76	418	73	605	82	662	77	26
25	623	71	763	70	524	69	694	78	703	71	25
24	853	66	808	64	788	65	1,018	72	762	66	24
23	579	59	795	58	573	59	1,023	64	817	60	23
22	810	55	542	51	754	55	764	56	771	53	22
21	806	48	431	47	789	49	1,073	50	765	47	21
20	663	42	587	44	717	42	1,027	42	777	41	20
19	602	37	580	39	658	37	759	34	701	35	19
18	486	32	764	34	705	32	872	28	747	30	18
17	476	28	907	28	633	26	499	21	692	24	17
16	558	24	1,237	21	485	21	467	17	641	18	16
15	600	20	904	12	434	17	518	13	555	13	15
14	463	15	338	4	640	14	282	9	473	9	14
13	244	11	158	2	337	9	267	7	338	5	13
12	292	10	34	1	355	6	206	5	198	2	12
11	321	7	13	1	228	3	155	3	63	1	11
10	224	5	7	1	100	1	132	2	36	1	10
9	168	3	2	1	43	1	65	1	9	1	9
8	127	2	3	1	21	1	19	1	2	1	8
7	51	1	0	1	6	1	7	1	1	1	7
6	17	1	1	1	8	1	4	1	0	1	6
5	8	1	0	1	5	1	2	1	0	1	5
4	2	1	0	1	3	1	3	1	0	1	4
3	0	1	0	1	0	1	2	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	1
Avg (SD)	21.8 (6.7)		22.2 (5.7)		22.2 (6.5)		21.6 (5.4)		22.1 (5.5)		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: 12,687

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score 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	644	100	301	100	519	100	552	100	820	100	258	100	372	100	18
17	808	95	31	98	635	96	1,106	96	756	94	214	98	20	97	17
16	723	89	1,096	97	1,074	91	954	87	692	88	496	96	551	97	16
15	936	83	1,140	89	687	82	966	79	933	82	594	92	1,047	93	15
14	688	75	942	80	708	77	677	72	1,103	75	1,398	88	1,341	84	14
13	950	70	1,141	72	927	71	1,005	66	1,268	66	1,637	77	1,156	74	13
12	847	63	1,357	63	1,391	64	982	59	888	56	1,116	64	1,289	65	12
11	1,152	56	1,319	53	1,039	53	1,246	51	1,261	49	1,625	55	1,267	54	11
10	1,389	47	1,177	42	1,145	45	904	41	854	39	1,441	42	1,504	44	10
9	903	36	1,303	33	1,306	36	976	34	852	32	1,713	31	1,309	33	9
8	825	29	815	23	961	26	845	26	1,219	26	888	17	1,044	22	8
7	826	22	741	16	1,005	18	696	20	1,249	16	515	10	662	14	7
6	754	16	460	10	528	10	840	14	538	6	238	6	518	9	6
5	511	10	364	7	408	6	588	7	152	2	292	4	186	5	5
4	357	6	302	4	197	3	209	3	66	1	79	2	242	3	4
3	255	3	157	2	101	1	95	1	29	1	100	1	45	1	3
2	116	1	35	1	39	1	43	1	6	1	28	1	105	1	2
1	3	1	6	1	17	1	3	1	1	1	55	1	29	1	1
Avg (SD)	11.0 (4.1)		11.1 (3.5)		11.2 (3.7)		11.4 (4.0)		11.7 (3.7)		11.1 (3.1)		11.0 (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)	26	26	27	25	26
Q2 (50th Percentile)	22	22	22	21	22
Q1 (25th Percentile)	17	17	17	18	18

Total Students in Report: 12,687

Table 2.4. Average ACT Composite Scores for Race/Ethnicity¹ by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ²	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	12,687	81	22.5	20.5
	Black/African American	3,520	77	18.0	16.9
	American Indian/Alaska Native	34	85	21.9	19.5
	White	6,437	84	24.4	23.3
	Hispanic/Latino	859	74	21.3	18.2
	Asian	727	85	25.5	22.9
	Native Hawaiian/Other Pac. Isl.	14	79	20.5	19.3
	Two or more races	440	84	22.4	20.4
	Prefer not/No Response	656	79	23.5	22.7
National	All Students	1,623,112	74	21.9	19.0
	Black/African American	223,383	69	17.5	15.9
	American Indian/Alaska Native	14,970	63	19.7	17.1
	White	981,585	76	23.1	20.3
	Hispanic/Latino	200,661	72	19.4	17.2
	Asian	66,650	81	24.1	21.9
	Native Hawaiian/Other Pac. Isl.	2,244	78	20.0	17.8
	Two or more races	46,378	72	21.8	19.3
	Prefer not/No Response	87,241	65	22.1	18.7

¹Refer to the section header on page 11 for a description of race/ethnicity changes.

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.

Table 2.5. Average ACT Scores by Race/Ethnicity¹

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	21.8	22.2	22.2	21.6	22.1
	Black/African American	17.0	18.0	17.8	17.8	17.8
	American Indian/Alaska Native	20.8	21.8	21.6	21.8	21.6
	White	24.2	24.1	24.5	23.5	24.2
	Hispanic/Latino	19.7	20.7	20.6	20.4	20.5
	Asian	24.5	26.6	24.6	24.3	25.1
	Native Hawaiian/Other Pac. Isl.	19.9	20.4	20.9	19.1	20.2
	Two or more races	21.6	22.0	22.5	21.7	22.0
	Prefer not/No Response	23.3	23.2	23.4	22.3	23.2
National	All Students	20.6	21.1	21.3	20.9	21.1
	Black/African American	15.9	17.2	17.0	17.1	17.0
	American Indian/Alaska Native	17.5	18.6	19.1	18.9	18.6
	White	22.1	22.1	22.7	22.1	22.4
	Hispanic/Latino	17.6	19.2	18.9	18.8	18.7
	Asian	22.8	25.1	22.9	23.1	23.6
	Native Hawaiian/Other Pac. Isl.	18.6	19.9	19.4	19.5	19.5
	Two or more races	20.7	20.7	21.6	20.9	21.1
	Prefer not/No Response	20.2	20.9	21.0	20.4	20.7

¹Refer to the section header on page 11 for a description of race/ethnicity changes.

Total Students in Report: 12,687

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	821	6	686	5	986	8	380	3
	28 to 32	1,733	14	1,631	13	2,027	16	1,406	11
	24 to 27	2,636	21	3,067	24	2,180	17	2,754	22
	20 to 23	2,858	23	2,355	19	2,833	22	3,887	31
	16 to 19	2,122	17	3,488	27	2,481	20	2,597	20
	13 to 15	1,307	10	1,400	11	1,411	11	1,067	8
	01 to 12	1,210	10	60	0	769	6	596	5
National	33 to 36	68,159	4	49,703	3	81,236	5	32,031	2
	28 to 32	174,801	11	144,331	9	211,084	13	130,969	8
	24 to 27	286,161	18	344,894	21	265,974	16	316,182	19
	20 to 23	394,076	24	332,913	21	382,505	24	530,056	33
	16 to 19	309,855	19	525,628	32	360,259	22	366,855	23
	13 to 15	201,235	12	217,338	13	214,265	13	153,754	9
	01 to 12	188,825	12	8,305	1	107,789	7	93,265	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	5,466	43	21.4	22.9	22.1	22.2	22.3
	Females	7,218	57	22.0	21.7	22.4	21.2	21.9
	Missing	3	0	16.3	19.3	16.3	18.3	17.7
National	Males	739,070	46	20.2	21.6	21.1	21.4	21.2
	Females	879,957	54	20.9	20.6	21.4	20.5	21.0
	Missing	4,085	0	16.4	17.8	17.7	17.8	17.6

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	70	58	57	41	36
	Females	74	49	58	32	28
National	Males	64	49	51	34	28
	Females	69	41	53	26	22

Total Students in Report: 12,687

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	10,317	75	22.2	56	22.6	60	22.6	38	22.0	33	22.5
	Less than Core	2,148	61	20.0	41	20.6	48	20.7	27	20.2	23	20.5
	Missing ³	222	47	17.9	31	19.3	32	18.8	14	18.9	12	18.9
National	Core or More	1,202,164	72	21.5	51	21.8	57	22.0	34	21.6	29	21.9
	Less than Core	366,518	51	18.3	27	19.0	38	19.3	17	19.0	13	19.0
	Missing	54,430	38	16.3	21	18.0	27	17.7	12	17.7	9	17.5

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 meet 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	12,236	73	21.9	12,245	54	22.4	11,529	58	22.3	11,411	38	21.9
	Less than Core	241	54	18.3	231	7	16.3	947	56	22.1	1,062	21	19.2
	Missing ³	210	49	18.0	211	31	19.3	211	34	19.0	214	14	18.9
National	Core or More	1,510,179	68	20.9	1,494,425	47	21.4	1,424,252	54	21.6	1,367,777	33	21.4
	Less than Core	66,225	40	16.6	79,145	8	16.4	149,746	40	19.7	205,148	12	18.3
	Missing	46,708	39	16.5	49,542	21	18.1	49,114	28	17.9	50,187	13	17.8

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

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

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

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

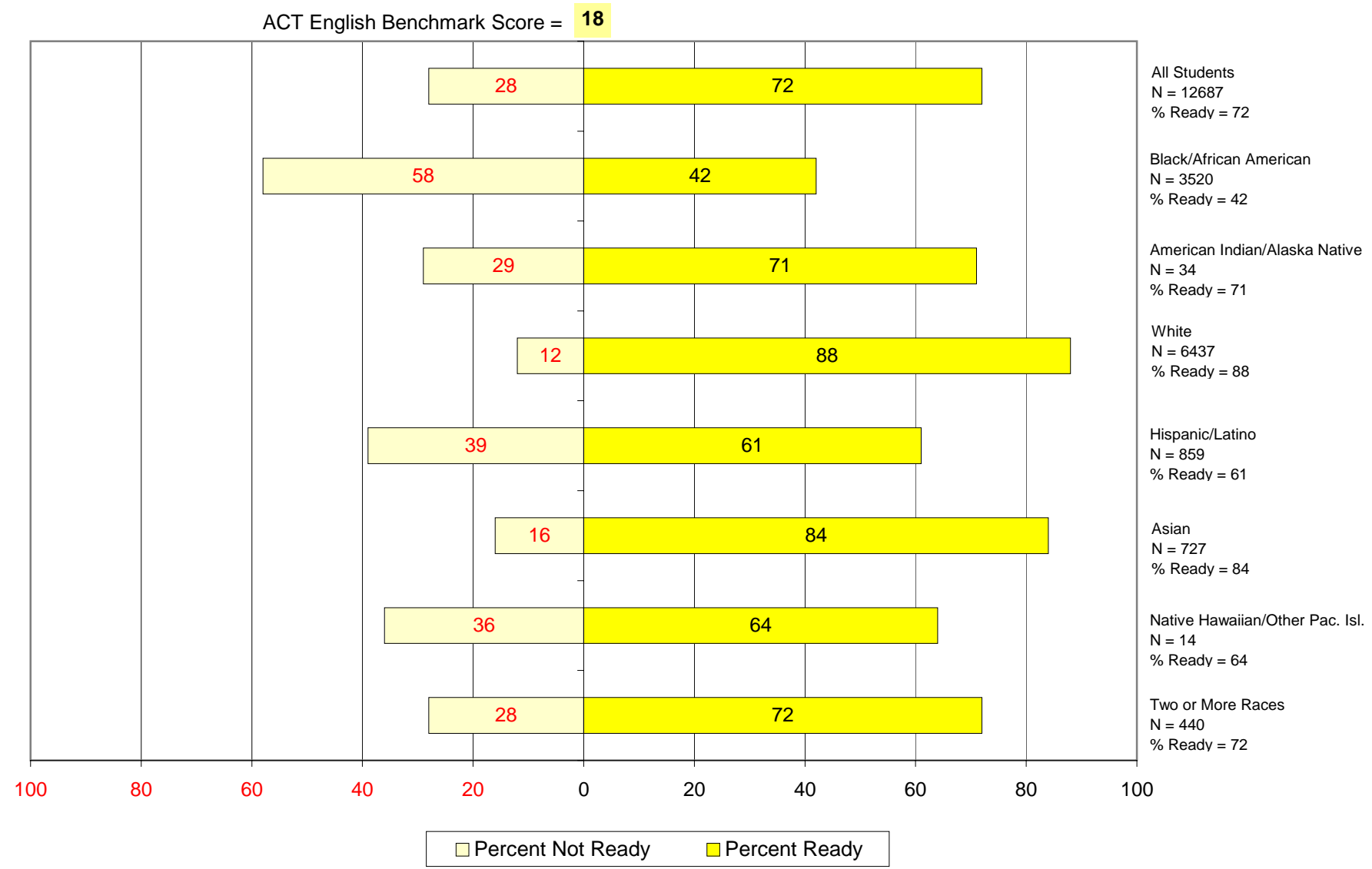
Section III

College Readiness and the Impact of Course Rigor

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 12,687

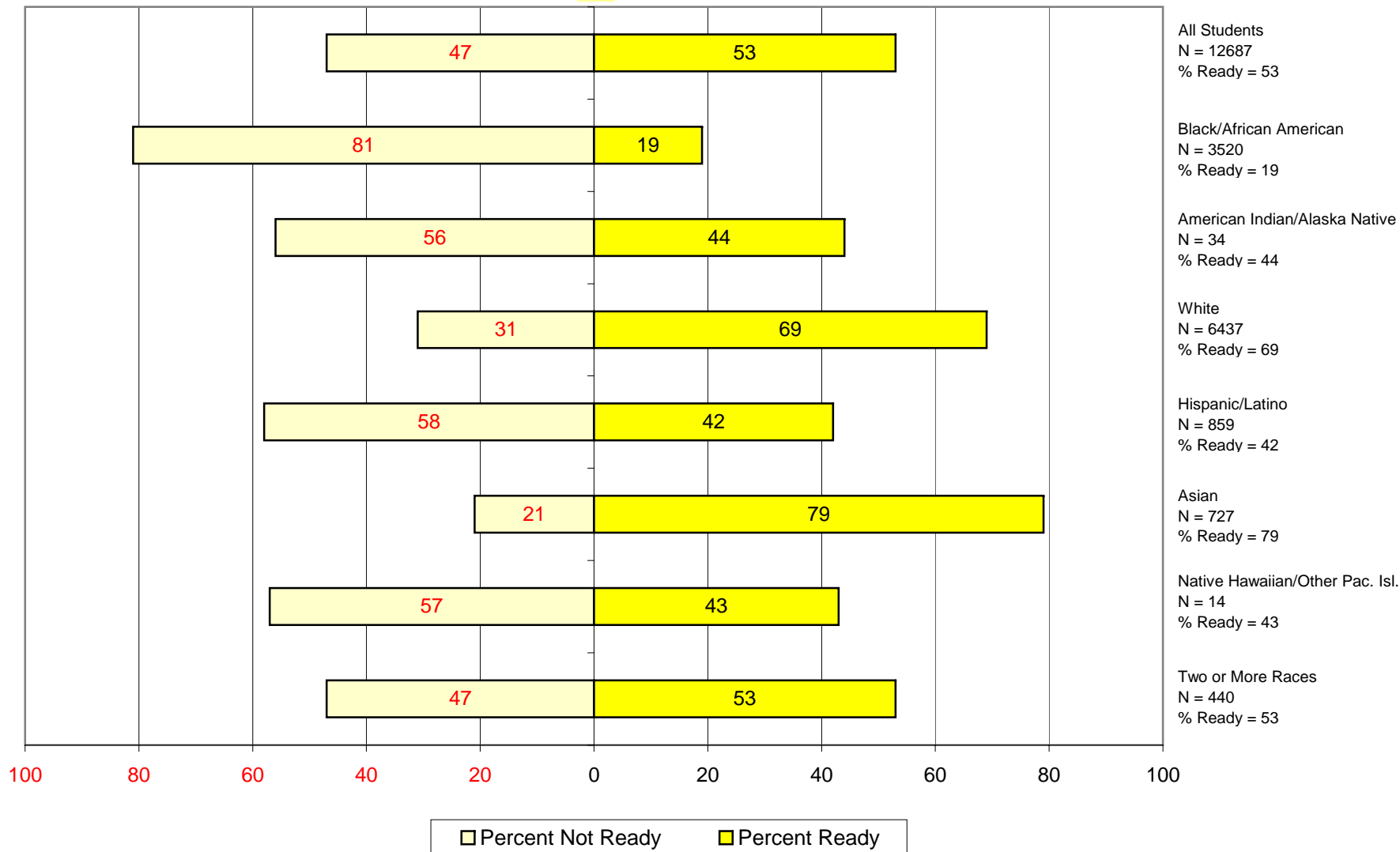
Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ENGLISH



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

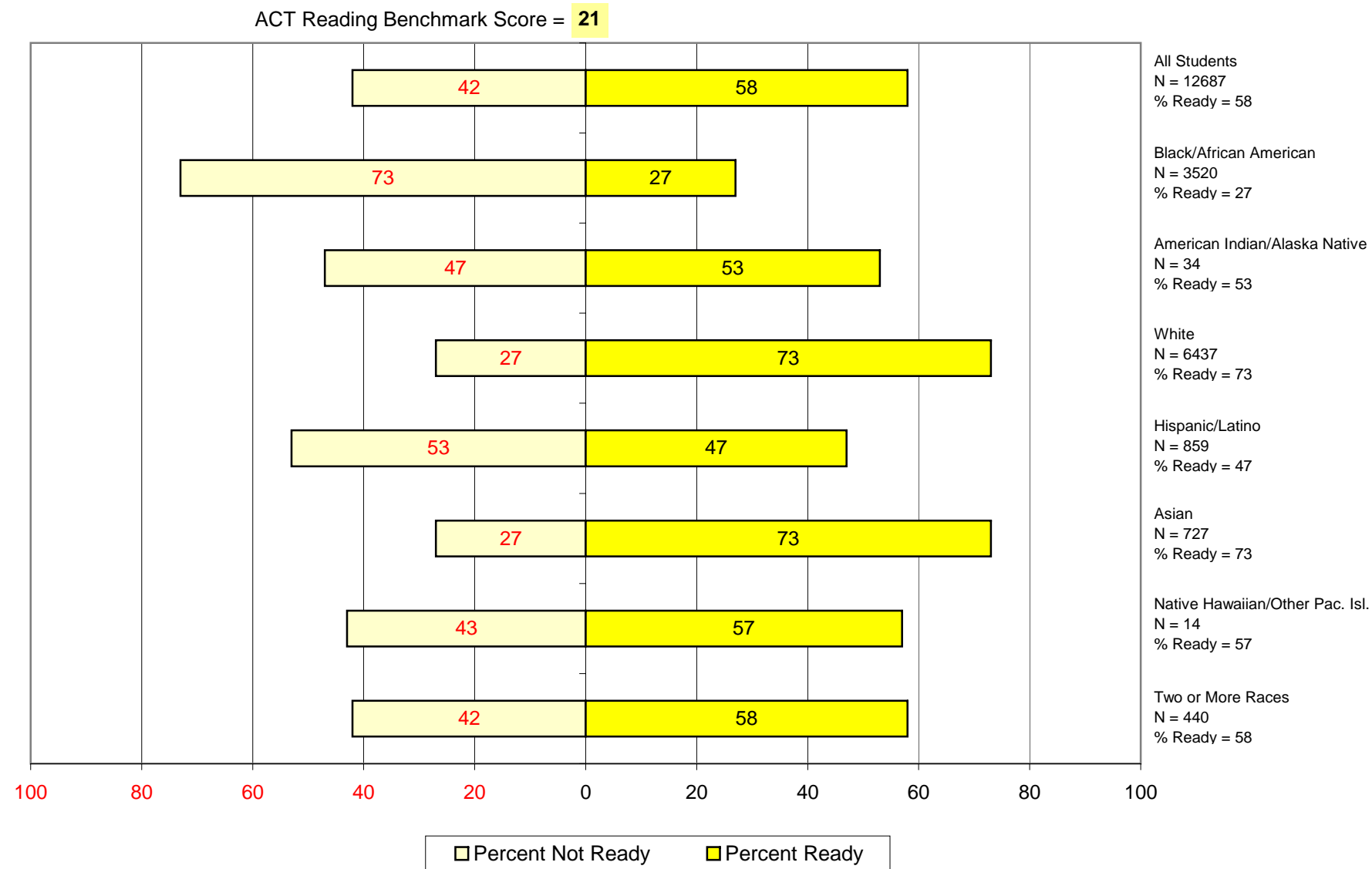
Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: MATHEMATICS

ACT Mathematics Benchmark Score = **22**



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

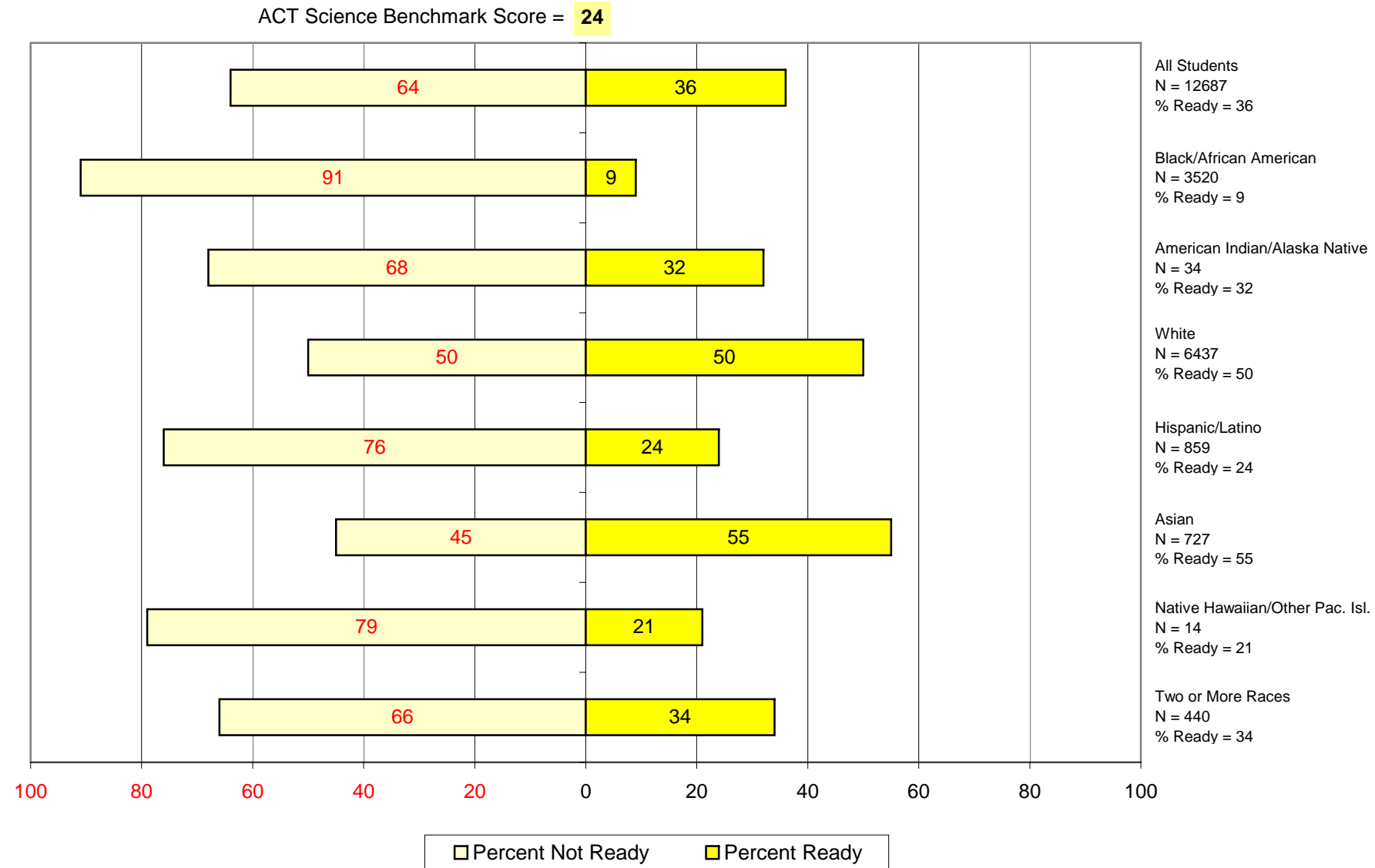
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: READING



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 12,687

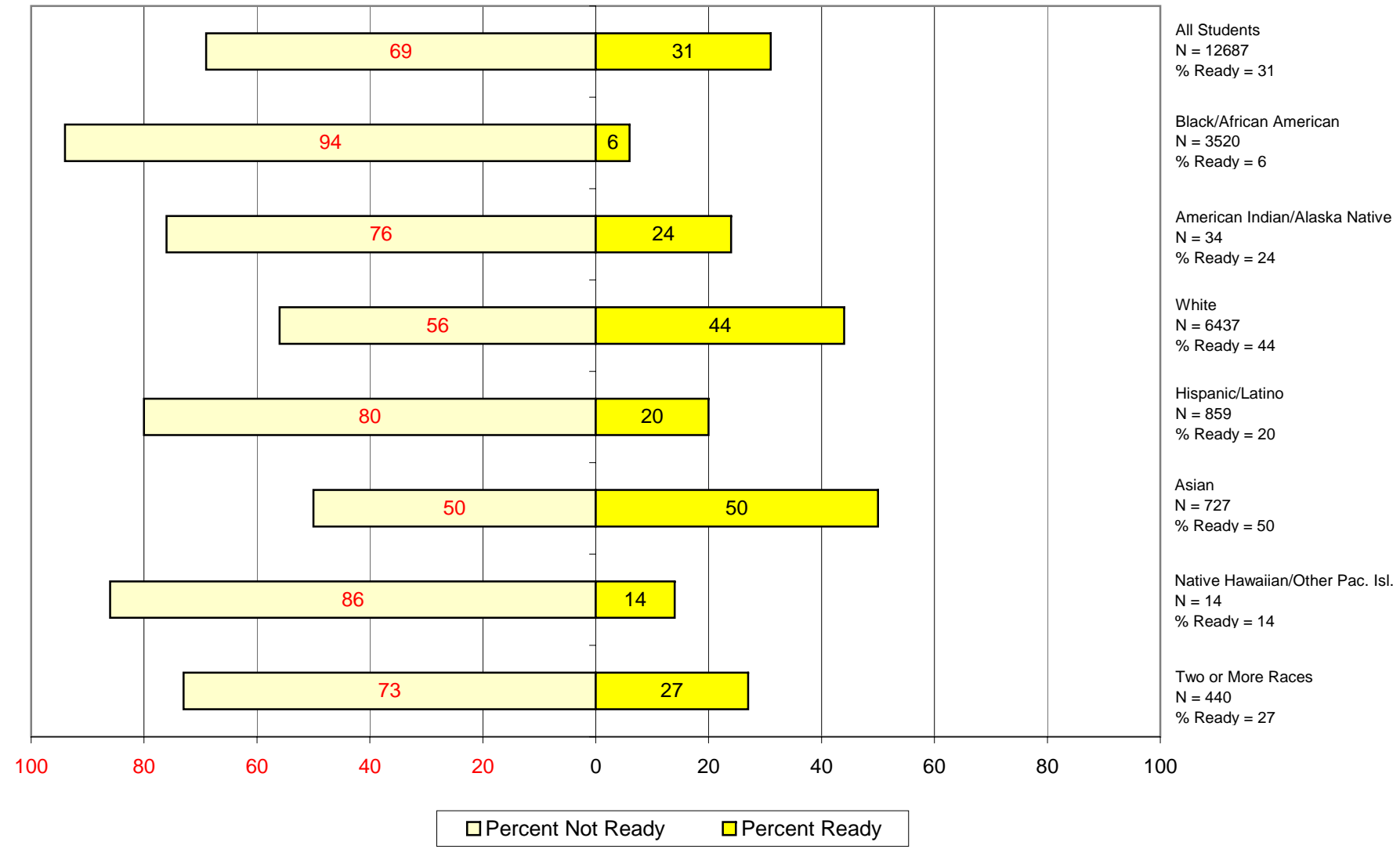
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: SCIENCE



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 12,687

Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ALL FOUR



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 12,687

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	2,787	22	22.6	4.3	1,131	21	21.9	4.7	1,656	23	23.1	3.9
Eng 9, Eng 10, Eng 11, Eng 12	9,449	74	21.7	3.4	4,112	75	21.5	4.3	5,335	74	21.8	2.6
Less than 4 years of English	241	2	18.3	-	110	2	17.2	-	131	2	19.2	-
Zero years / no English courses reported	210	2	18.0	-	113	2	18.1	-	96	1	17.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	904	7	24.8	8.5	393	7	25.6	9.0	511	7	24.2	8.1
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,114	9	21.3	5.0	365	7	21.6	5.0	749	10	21.2	5.1
Alg 1, Alg 2, Geom, & Trig	908	7	18.8	2.5	387	7	18.9	2.3	521	7	18.7	2.6
Alg 1, Alg 2, Geom, & Other Adv Math	1,713	14	19.9	3.6	609	11	20.3	3.7	1,104	15	19.6	3.5
Other comb of 4 or more years of Math	5,784	46	24.9	8.6	2,729	50	25.5	8.9	3,055	42	24.2	8.1
Alg 1, Alg 2, & Geom	1,251	10	16.7	0.4	498	9	17.0	0.4	752	10	16.6	0.5
Other comb of 3 or 3.5 years of Math	571	5	20.9	4.6	273	5	20.9	4.3	298	4	21.0	4.9
Less than 3 years of Math	231	2	16.3	-	100	2	16.6	-	130	2	16.1	-
Zero years / no Math courses reported	211	2	19.3	-	112	2	20.5	-	98	1	18.0	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	934	7	23.1	1.0	475	9	22.6	0.8	459	6	23.7	1.5
Other comb of 4 or more years Social Science	4,712	37	22.9	0.8	2,095	38	22.9	1.1	2,617	36	22.9	0.7
US Hist, World Hist, & Am Gov	2,122	17	20.4	-1.7	956	17	20.3	-1.5	1,165	16	20.4	-1.8
Other comb of 3 or 3.5 years of Social Science	3,761	30	22.4	0.3	1,453	27	22.2	0.4	2,307	32	22.6	0.4
Less than 3 years of Social Science	947	7	22.1	-	374	7	21.8	-	573	8	22.2	-
Zero years / no Social Science courses reported	211	2	19.0	-	113	2	19.3	-	97	1	18.6	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	5,930	47	22.5	3.3	2,792	51	23.2	4.2	3,138	43	22.0	2.7
Bio, Chem, Phys	1,779	14	23.6	4.4	762	14	24.5	5.5	1,017	14	22.8	3.5
Gen Sci ² , Bio, Chem	3,510	28	20.2	1.0	1,309	24	20.2	1.2	2,199	30	20.1	0.8
Other comb of 3 years of Natural Science	192	2	19.3	0.1	77	1	19.6	0.6	115	2	19.0	-0.3
Less than 3 years of Natural Science	1,062	8	19.2	-	412	8	19.0	-	650	9	19.3	-
Zero years / no Natural Science courses reported	214	2	18.9	-	114	2	19.6	-	99	1	18.2	-

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: 12,687

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	2,787	22	22.6	76	366,770	23	21.8	74
Eng 9, Eng 10, Eng 11, Eng 12	9,449	74	21.7	72	1,143,409	70	20.6	66
Less than 4 years of English	241	2	18.3	54	66,225	4	16.6	40
Zero years / no English courses reported	210	2	18.0	49	46,708	3	16.5	39
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	904	7	24.8	75	102,806	6	24.2	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,114	9	21.3	51	147,655	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	908	7	18.8	26	115,939	7	19.7	34
Alg 1, Alg 2, Geom, & Other Adv Math	1,713	14	19.9	35	271,304	17	19.9	36
Other comb of 4 or more years of Math	5,784	46	24.9	73	539,241	33	23.8	66
Alg 1, Alg 2, & Geom	1,251	10	16.7	10	238,527	15	17.3	12
Other comb of 3 or 3.5 years of Math	571	5	20.9	43	78,953	5	19.9	35
Less than 3 years of Math	231	2	16.3	7	79,145	5	16.4	8
Zero years / no Math courses reported	211	2	19.3	31	49,542	3	18.1	21
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	934	7	23.1	62	47,284	3	22.5	59
Other comb of 4 or more years Social Science	4,712	37	22.9	63	845,170	52	21.9	56
US Hist, World Hist, & Am Gov	2,122	17	20.4	44	86,167	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	3,761	30	22.4	59	445,631	27	21.1	51
Less than 3 years of Social Science	947	7	22.1	56	149,746	9	19.7	40
Zero years / no Social Science courses reported	211	2	19.0	34	49,114	3	17.9	28
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	5,930	47	22.5	43	686,167	42	22.1	39
Bio, Chem, Phys	1,779	14	23.6	51	160,020	10	23.1	46
Gen Sci ¹ , Bio, Chem	3,510	28	20.2	23	476,294	29	20.1	21
Other comb of 3 years of Natural Science	192	2	19.3	18	45,296	3	19.6	20
Less than 3 years of Natural Science	1,062	8	19.2	21	205,148	13	18.3	12
Zero years / no Natural Science courses reported	214	2	18.9	14	50,187	3	17.8	13

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Tables within this section have been changed to reflect the updated Educational Major categories implemented by ACT in the fall of 2010.

Total Students in Report: 12,687

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

Planned Educational Major ¹	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ²	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp
Agriculture & Natural Resources Conservation	77	1	22.0	3	2	20.3	69	1	22.2
Architecture	148	1	22.0	3	2	18.3	133	1	22.3
Area, Ethnic, & Multidisciplinary Studies	48	0	24.4	0	0	.	44	0	24.2
Arts: Visual & Performing	717	6	20.6	12	8	16.8	620	6	20.6
Business	1,561	12	20.9	26	18	15.6	1,355	12	20.9
Communications	461	4	21.5	5	3	18.2	419	4	21.5
Community, Family, & Personal Services	191	2	19.3	5	3	17.0	170	2	19.4
Computer Science & Mathematics	430	3	22.3	10	7	17.1	374	3	22.5
Education	621	5	20.6	3	2	17.7	574	5	20.6
Engineering	947	7	24.6	1	1	19.0	863	8	24.7
Engineering Technology & Drafting	306	2	22.6	7	5	18.0	264	2	22.7
English & Foreign Languages	179	1	24.9	0	0	.	158	1	24.7
Health Administration & Assisting	192	2	17.5	10	7	15.9	162	1	17.8
Health Sciences & Technologies	1,774	14	21.3	28	19	18.5	1,603	15	21.4
Philosophy, Religion, & Theology	43	0	22.2	1	1	18.0	36	0	22.6
Repair, Production, & Construction	25	0	18.5	7	5	17.1	16	0	19.9
Sciences: Biological & Physical	1,349	11	24.2	3	2	14.7	1,232	11	24.1
Social Sciences & Law	1,295	10	22.1	4	3	16.3	1,184	11	22.1
Undecided	2,039	16	23.0	17	12	16.2	1,599	15	23.0
No Response	284	2	18.9	2	1	15.5	103	1	19.7

¹Refer to the section header on page 25 for a description of educational major changes.

²2-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.

³Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 12,687

Table 4.2. Average ACT Composite Scores for Racial/Ethnic¹ 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	40	17.7	9	15.6	0	.	17	19.6	7	15.1
2-yr College Degree	107	16.7	49	15.1	0	.	42	18.7	7	14.7
Bachelors Degree	4,418	20.1	1,304	16.3	13	18.9	2,352	22.3	300	18.7
Graduate Study	3,047	23.3	685	18.9	5	23.2	1,784	25.0	171	22.4
Prof. Level Degree	3,513	23.8	1,045	19.5	15	23.9	1,495	26.4	258	21.5
Other	155	19.0	56	15.5	0	.	59	22.3	16	18.2
No Response	1,407	22.2	372	16.7	1	14.0	688	24.8	100	20.9

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	40	17.7	3	14.7	0	.	1	14.0	3	23.7
2-yr College Degree	107	16.7	5	18.6	0	.	1	13.0	3	18.0
Bachelors Degree	4,418	20.1	145	21.4	6	18.8	140	20.4	158	20.2
Graduate Study	3,047	23.3	135	25.6	1	14.0	101	22.7	165	23.9
Prof. Level Degree	3,513	23.8	355	26.7	6	22.5	140	23.1	199	25.3
Other	155	19.0	6	19.2	0	.	4	18.8	14	20.2
No Response	1,407	22.2	78	25.0	1	21.0	53	22.8	114	23.0

¹Refer to the section header on page 25 for a description of race/ethnicity changes.

Total Students in Report: 12,687

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	1,784	678	1,106	1	5	17	26	28	19	4
TOWSON UNIVERSITY	Maryland	1,281	332	949	2	11	33	31	19	4	0
SALISBURY UNIVERSITY	Maryland	725	199	526	1	7	33	36	17	4	0
UNIVERSITY OF MARYLAND BALTIMORE COUNTY	Maryland	632	136	496	1	6	19	30	28	15	2
FROSTBURG STATE UNIVERSITY	Maryland	387	91	296	4	17	44	25	8	1	0
MORGAN STATE UNIVERSITY	Maryland	377	138	239	8	39	41	10	2	0	0
BOWIE STATE UNIVERSITY	Maryland	356	118	238	10	38	43	8	0	0	0
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	340	73	267	1	3	17	30	28	17	3
VIRGINIA TECH	Virginia	299	70	229	1	3	8	26	35	23	3
NCAA ELIGIBILITY CENTER	Indiana	297	165	132	6	16	27	26	16	7	1
JAMES MADISON UNIVERSITY	Virginia	285	62	223	0	1	18	35	32	13	0
STEVENSON UNIVERSITY	Maryland	267	69	198	3	16	35	31	10	5	0
UNIVERSITY OF DELAWARE	Delaware	267	48	219	0	2	10	37	36	13	1
UNIVERSITY OF MARYLAND EASTERN SHORE	Maryland	254	69	185	9	35	37	15	4	0	0
HOWARD UNIVERSITY	District of Columbia	243	77	166	2	19	43	26	9	2	0
WEST VIRGINIA UNIVERSITY	West Virginia	234	63	171	2	9	26	31	24	8	0
JOHNS HOPKINS UNIVERSITY THE	Maryland	208	70	138	0	3	15	19	26	30	7
ST MARY'S COLLEGE OF MARYLAND	Maryland	193	48	145	1	5	15	23	35	20	2
MONTGOMERY COLLEGE-MD	Maryland	177	88	89	8	23	34	25	8	2	0
YORK COLLEGE OF PENNSYLVANIA	Pennsylvania	173	51	122	2	9	27	35	20	7	1
HAMPTON UNIVERSITY	Virginia	172	56	116	2	18	47	26	6	1	1
DELAWARE STATE UNIVERSITY	Delaware	170	46	124	8	33	40	15	2	1	0
LOYOLA UNIVERSITY MARYLAND	Maryland	157	32	125	3	10	24	29	22	11	1
MOUNT SAINT MARY'S UNIVERSITY	Maryland	151	43	108	1	6	32	26	26	9	0
UNIVERSITY OF VIRGINIA	Virginia	149	23	126	0	2	7	13	29	40	9
GEORGE MASON UNIVERSITY	Virginia	148	31	117	2	10	31	34	17	5	1
COPPIN STATE UNIVERSITY	Maryland	145	46	99	11	38	41	8	1	0	0
MCDANIEL COLLEGE	Maryland	145	34	111	0	10	30	34	19	6	1
GEORGETOWN UNIVERSITY	District of Columbia	141	45	96	1	3	19	19	30	26	3
UNITED STATES NAVAL ACADEMY	Maryland	140	90	50	0	1	11	24	32	29	2
All Other Institutions		10,871	2,946	7,925	2	9	21	26	22	16	3
Total		21,168	6,037	15,131	2	11	24	26	21	13	2

Section V

Optional Writing Test Results

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 12,687

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity¹ 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	9,453	905,035	22.8	21.5	7.4	7.1	22.0	20.8
Black/African American	2,278	112,251	17.9	16.7	6.6	6.3	17.7	16.5
American Indian/Alaska Native	26	5,519	21.8	18.4	6.9	6.5	20.8	18.0
White	5,013	522,234	24.9	23.2	7.6	7.3	23.8	22.2
Hispanic/Latino	666	128,599	20.4	18.4	7.2	6.8	20.1	18.2
Asian	633	51,829	25.3	23.8	7.8	7.6	24.2	22.9
Native Hawaiian/Other Pac. Isl.	9	1,332	20.9	19.7	7.7	7.2	21.0	19.5
Two or more races	326	27,722	22.5	21.6	7.4	7.0	21.8	20.8
Prefer not/No Response	502	55,549	24.4	21.3	7.5	7.0	23.3	20.5
Males	3,850	399,206	22.7	21.3	7.1	6.8	21.7	20.3
Females	5,601	503,699	22.9	21.8	7.5	7.3	22.2	21.1
Missing	2	2,130	17.0	17.6	7.0	6.2	17.5	17.1

¹Refer to the section header on page 29 for a description of race/ethnicity changes.

