

# ACT Profile Report - State

Graduating Class 2009  
Maryland





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This report provides information about the performance of your 2009 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 2009 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.

Further, 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.

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](http://www.act.org)

## How to Improve Scores and Increase College Readiness

30% 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:** 11,317 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 the minimum math core (Algebra I, Algebra II, and Geometry). 8% of these students were college ready. In comparison, 58% of the students who advanced beyond minimum math core 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. 19% of these students were college ready. In comparison, 36% 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 40% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at [www.act.org/standard](http://www.act.org/standard).

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

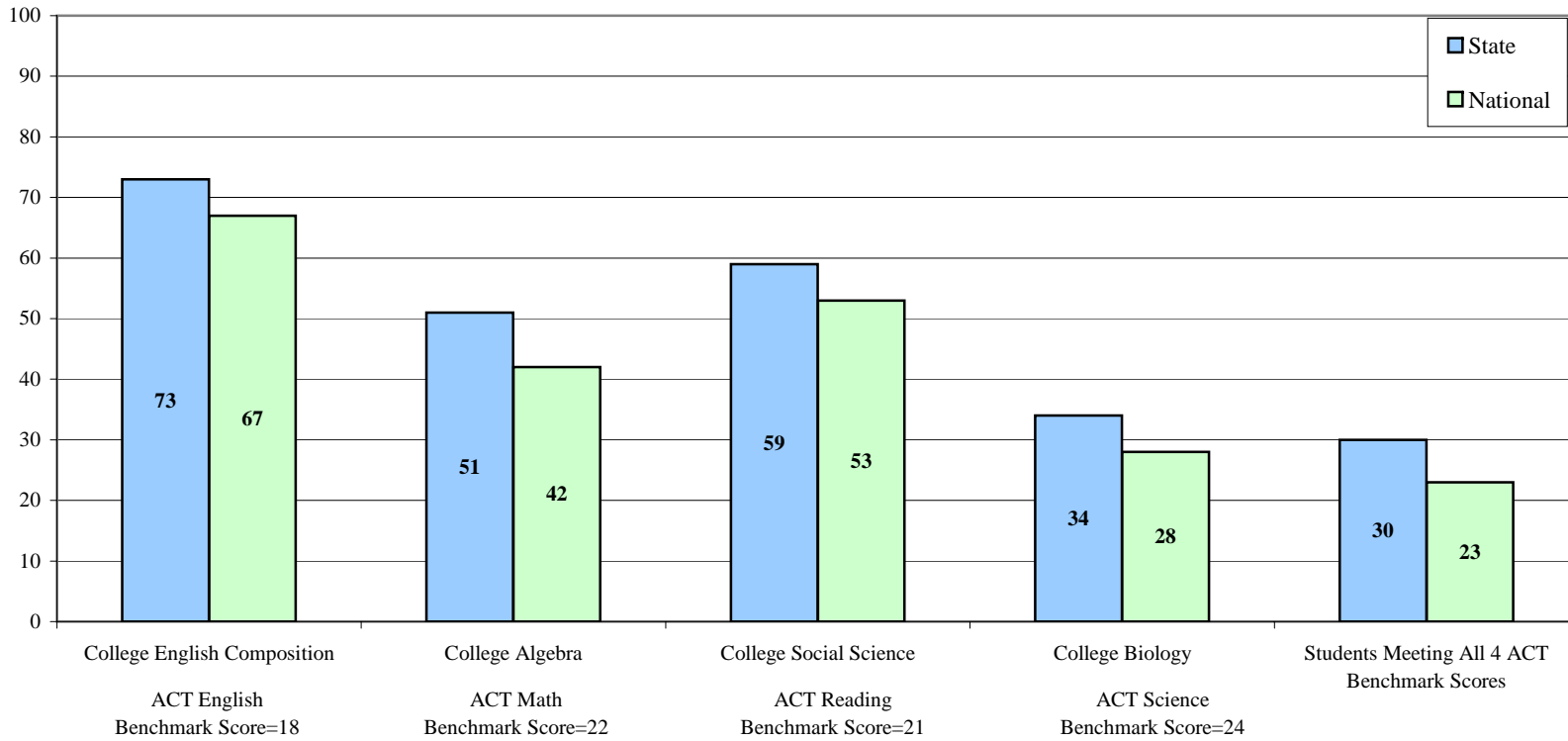
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 518-869-7378.

# Section I

## Executive Summary

Total Students in Report: 11,317

**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 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
2005	7,332	1,186,251	67	68	42	41	53	51	27	26	22	21
2006	7,758	1,206,455	71	69	47	42	56	53	29	27	25	21
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
<b>2009</b>	<b>11,317</b>	<b>1,480,469</b>	<b>73</b>	<b>67</b>	<b>51</b>	<b>42</b>	<b>59</b>	<b>53</b>	<b>34</b>	<b>28</b>	<b>30</b>	<b>23</b>

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

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2005	7,332	1,186,251	20.5	20.4	20.8	20.7	21.5	21.3	20.7	20.9	21.0	20.9
2006	7,758	1,206,455	21.1	20.6	21.4	20.8	21.9	21.4	20.9	20.9	21.4	21.1
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
<b>2009</b>	<b>11,317</b>	<b>1,480,469</b>	<b>21.9</b>	<b>20.6</b>	<b>22.1</b>	<b>21.0</b>	<b>22.5</b>	<b>21.4</b>	<b>21.5</b>	<b>20.9</b>	<b>22.1</b>	<b>21.1</b>

**Table 1.3. Five Year Trends—Average ACT Scores Nationwide**

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2005	1,186,251	20.4	20.7	21.3	20.9	20.9
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
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
<b>2009</b>	<b>1,480,469</b>	<b>20.6</b>	<b>21.0</b>	<b>21.4</b>	<b>20.9</b>	<b>21.1</b>

Total Students in Report: 11,317

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

Year	Number of Students Tested		Percent <sup>2</sup>		Average ACT Scores									
	Core or More <sup>1</sup>	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2005	3,926	2,191	54	30	21.0	19.4	21.3	19.8	22.0	20.6	21.1	19.9	21.5	20.1
2006	4,032	2,330	52	30	21.4	20.3	21.7	20.6	22.2	21.2	21.1	20.3	21.7	20.8
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
<b>2009</b>	<b>9,193</b>	<b>1,898</b>	<b>81</b>	<b>17</b>	<b>22.3</b>	<b>20.8</b>	<b>22.4</b>	<b>21.0</b>	<b>22.8</b>	<b>21.5</b>	<b>21.8</b>	<b>20.5</b>	<b>22.5</b>	<b>21.1</b>

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

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

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

	2005			2006			2007			2008			2009		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>7,332</b>	<b>100</b>	<b>21.0</b>	<b>7,758</b>	<b>100</b>	<b>21.4</b>	<b>9,250</b>	<b>100</b>	<b>21.6</b>	<b>10,740</b>	<b>100</b>	<b>22.0</b>	<b>11,317</b>	<b>100</b>	<b>22.1</b>
African American/Black	2,263	31	17.1	2,004	26	17.4	2,242	24	17.3	2,686	25	17.5	3,003	27	17.8
American Indian/Alaska Native	22	0	19.9	29	0	20.3	36	0	19.6	40	0	22.1	26	0	20.8
Caucasian American/White	3,582	49	22.9	3,632	47	23.3	4,304	47	23.3	5,500	51	23.5	6,038	53	23.9
Hispanic	206	3	21.3	268	3	20.6	254	3	21.3	378	4	21.5	499	4	20.8
Asian American/Pacific Islander	293	4	23.6	314	4	23.6	332	4	24.1	458	4	24.6	651	6	25.0
Other/No Response	966	13	22.2	1,511	19	22.1	2,082	23	22.6	1,678	16	23.5	1,100	10	23.4

# Section II

# Academic Achievement

Total Students in Report: 11,317

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	54	100	69	100	177	100	38	100	9	100	36
35	195	100	107	99	72	98	66	100	34	100	35
34	279	98	177	98	270	98	92	99	108	100	34
33	257	95	244	97	372	95	96	98	149	99	33
32	231	93	195	95	298	92	99	97	249	97	32
31	249	91	236	93	450	89	193	97	302	95	31
30	343	89	212	91	450	86	219	95	326	92	30
29	365	86	399	89	348	82	281	93	391	90	29
28	445	83	480	86	406	78	307	90	526	86	28
27	401	79	527	81	475	75	340	88	560	81	27
26	522	75	680	77	409	71	553	85	605	77	26
25	662	70	681	71	432	67	893	80	656	71	25
24	601	65	703	65	659	63	666	72	677	65	24
23	569	59	610	58	560	57	884	66	696	59	23
22	716	54	445	53	594	52	827	58	704	53	22
21	733	48	575	49	682	47	875	51	706	47	21
20	614	41	459	44	574	41	1,037	43	693	41	20
19	572	36	599	40	668	36	837	34	665	35	19
18	432	31	652	35	425	30	732	27	618	29	18
17	458	27	844	29	547	26	423	20	623	23	17
16	498	23	1,112	21	623	22	485	16	572	18	16
15	533	19	781	12	420	16	329	12	536	13	15
14	346	14	362	5	499	12	300	9	385	8	14
13	270	11	110	1	354	8	254	7	311	5	13
12	267	9	35	1	291	5	172	4	139	2	12
11	246	6	12	1	139	2	132	3	41	1	11
10	177	4	5	1	64	1	85	2	23	1	10
9	156	2	2	1	29	1	61	1	10	1	9
8	77	1	3	1	17	1	20	1	2	1	8
7	32	1	0	1	6	1	6	1	1	1	7
6	12	1	0	1	2	1	8	1	0	1	6
5	4	1	0	1	3	1	3	1	0	1	5
4	1	1	1	1	1	1	1	1	0	1	4
3	0	1	0	1	0	1	3	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
<b>Avg (SD)</b>	21.9 (6.6)		22.1 (5.7)		22.5 (6.5)		21.5 (5.2)		22.1 (5.5)		<b>Avg (SD)</b>

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

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

Total Students in Report: 11,317

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

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies		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	645	100	245	100	533	100	775	100	667	100	195	100	193	100	18
17	694	94	211	98	553	95	487	93	928	94	229	98	87	98	17
16	639	88	825	96	740	90	1,159	89	747	86	485	96	584	98	16
15	754	83	920	89	904	84	1,131	79	776	79	481	92	790	92	15
14	670	76	983	81	757	76	986	69	791	72	1,368	88	1,001	85	14
13	843	70	997	72	779	69	581	60	845	65	813	76	1,437	77	13
12	842	62	1,341	63	1,037	62	783	55	1,127	58	1,270	68	857	64	12
11	943	55	1,056	51	858	53	943	48	883	48	1,181	57	1,196	56	11
10	1,146	47	1,185	42	944	46	846	40	921	40	1,872	47	1,253	46	10
9	977	37	1,029	31	1,192	37	730	32	753	32	1,280	30	1,121	35	9
8	667	28	861	22	1,096	27	905	26	1,130	25	889	19	1,023	25	8
7	786	22	654	15	850	17	630	18	1,114	15	568	11	544	16	7
6	648	15	329	9	578	9	560	12	423	6	180	6	492	11	6
5	478	9	308	6	246	4	465	7	127	2	271	4	265	7	5
4	355	5	231	3	83	2	219	3	57	1	113	2	233	4	4
3	179	2	116	1	107	1	84	1	17	1	82	1	162	2	3
2	45	1	20	1	46	1	30	1	9	1	19	1	37	1	2
1	6	1	6	1	14	1	3	1	2	1	21	1	42	1	1
Avg (SD)	11.1 (4.0)		11.2 (3.4)		11.3 (3.7)		11.7 (4.0)		11.7 (3.7)		11.0 (3.1)		10.8 (3.4)		Avg (SD)

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

**Table 2.3. ACT Score Quartile Values**

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	26	26	28	25	26
Q2 (50th Percentile)	22	22	22	21	22
Q1 (25th Percentile)	17	17	17	18	18

Total Students in Report: 11,317

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More <sup>1</sup>	Average ACT Composite Score	
				Core or More	Less Than Core
State	<b>All Students</b>	<b>11,317</b>	<b>81</b>	<b>22.5</b>	<b>21.1</b>
	African American/Black	3,003	77	18.1	16.9
	American Indian/Alaska Native	26	73	21.6	18.6
	Caucasian American/White	6,038	84	24.0	23.4
	Hispanic	499	74	21.4	19.2
	Asian American/Pacific Islander	651	86	25.1	24.4
	Other/No Response	1,100	79	24.0	22.0
National	<b>All Students</b>	<b>1,480,469</b>	<b>70</b>	<b>22.0</b>	<b>19.1</b>
	African American/Black	196,149	64	17.6	15.9
	American Indian/Alaska Native	15,773	59	20.1	17.4
	Caucasian American/White	941,206	73	23.0	20.1
	Hispanic	133,569	67	19.6	17.3
	Asian American/Pacific Islander	59,093	80	23.7	21.4
	Other/No Response	134,679	63	22.2	19.0

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

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

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	21.9	22.1	22.5	21.5	22.1
	African American/Black	17.1	17.8	17.9	17.8	17.8
	American Indian/Alaska Native	20.4	20.4	21.2	20.4	20.8
	Caucasian American/White	23.9	23.7	24.4	23.0	23.9
	Hispanic	20.3	21.0	20.8	20.6	20.8
	Asian American/Pacific Islander	24.5	26.4	24.5	24.2	25.0
	Other/No Response	23.5	23.4	23.9	22.5	23.4
National	<b>All Students</b>	20.6	21.0	21.4	20.9	21.1
	African American/Black	16.0	17.1	16.9	17.2	16.9
	American Indian/Alaska Native	17.9	18.7	19.4	19.1	18.9
	Caucasian American/White	21.9	21.9	22.6	21.9	22.2
	Hispanic	17.7	19.1	18.9	18.8	18.7
	Asian American/Pacific Islander	22.6	24.5	22.7	22.7	23.2
	Other/No Response	20.4	21.0	21.3	20.7	20.9

Total Students in Report: 11,317

**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	785	7	597	5	891	8	292	3
	28 to 32	1,633	14	1,522	13	1,952	17	1,099	10
	24 to 27	2,186	19	2,591	23	1,975	17	2,452	22
	20 to 23	2,632	23	2,089	18	2,410	21	3,623	32
	16 to 19	1,960	17	3,207	28	2,263	20	2,477	22
	13 to 15	1,149	10	1,253	11	1,273	11	883	8
	01 to 12	972	9	58	1	553	5	491	4
National	33 to 36	60,269	4	45,198	3	74,801	5	26,524	2
	28 to 32	154,245	10	139,060	9	205,090	14	104,787	7
	24 to 27	251,396	17	293,477	20	226,630	15	287,693	19
	20 to 23	376,203	25	300,212	20	361,756	24	492,815	33
	16 to 19	303,385	20	495,592	33	334,831	23	367,167	25
	13 to 15	179,194	12	198,214	13	195,336	13	131,197	9
	01 to 12	155,777	11	8,716	1	82,025	6	70,286	5

**Table 2.7. Average ACT Scores by Gender**

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	4,720	42	21.7	23.0	22.5	22.2	22.5
	Females	6,554	58	22.1	21.4	22.5	21.0	21.9
	Missing	43	0	23.3	23.5	24.1	23.1	23.6
National	Males	668,165	45	20.2	21.6	21.3	21.4	21.3
	Females	808,097	55	20.9	20.4	21.4	20.4	20.9
	Missing	4,207	0	20.3	21.2	21.5	20.8	21.1

**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	71	57	58	40	35
	Females	74	46	59	30	26
National	Males	65	47	52	33	27
	Females	69	38	53	24	20

Total Students in Report: 11,317

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

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>3</sup>	Avg
State	Core or More <sup>2</sup>	9,193	76	22.3	53	22.4	61	22.8	36	21.8	31	22.5
	Less than Core	1,898	64	20.8	42	21.0	51	21.5	28	20.5	24	21.1
	Missing	226	31	16.0	21	18.0	26	17.6	11	18.0	8	17.5
National	Core or More	1,039,502	75	21.7	50	21.9	59	22.3	34	21.7	28	22.0
	Less than Core	391,458	52	18.3	25	18.9	38	19.4	16	19.2	12	19.1
	Missing	49,509	35	15.9	16	17.5	25	17.3	10	17.6	7	17.2

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

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

<sup>3</sup>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 <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More	10,907	74	22.1	10,837	53	22.3	10,212	59	22.5	10,205	36	21.8
	Less than Core	196	51	18.9	265	8	16.4	889	64	23.6	892	19	19.3
	Missing	214	31	15.9	215	20	17.8	216	25	17.4	220	11	18.0
National	Core or More	1,367,549	70	20.9	1,334,313	46	21.4	1,287,169	55	21.7	1,206,541	32	21.5
	Less than Core	73,276	42	16.8	101,413	7	16.5	151,264	41	19.7	230,683	12	18.4
	Missing	39,644	37	16.1	44,743	17	17.5	42,036	26	17.5	43,245	11	17.7

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

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.

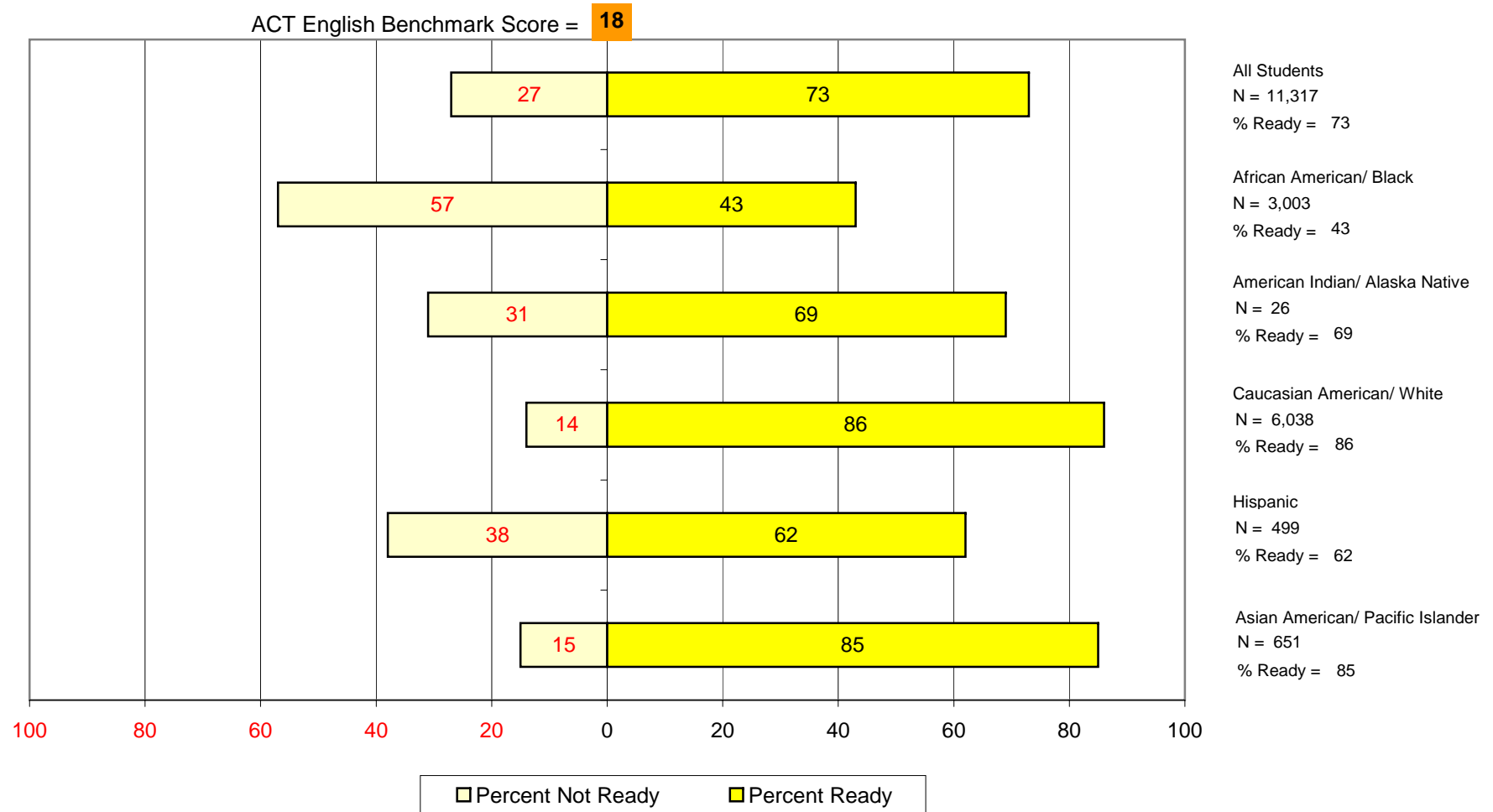


# Section III

## College Readiness and the Impact of Course Rigor

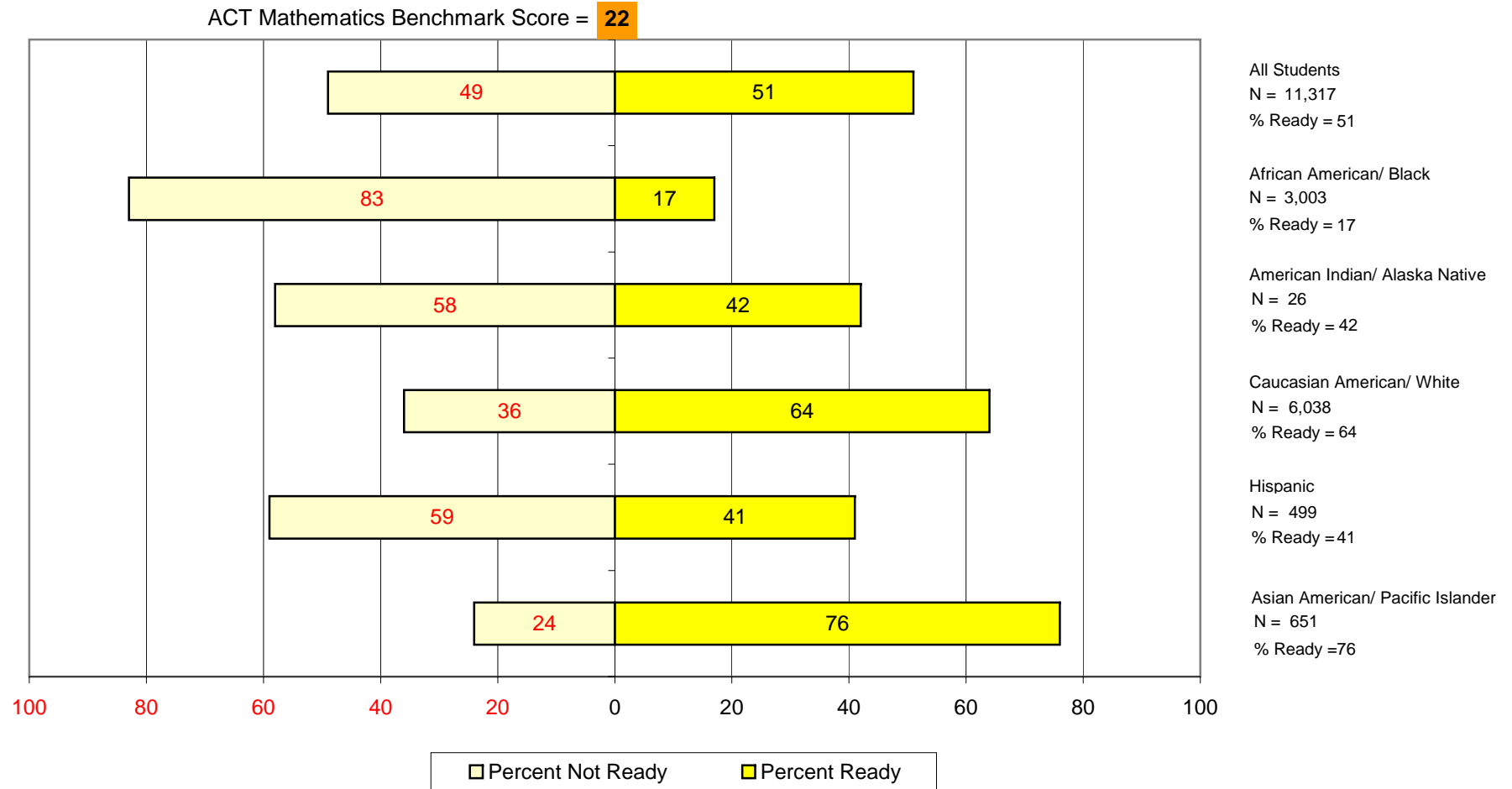
Total Students in Report: 11,317

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



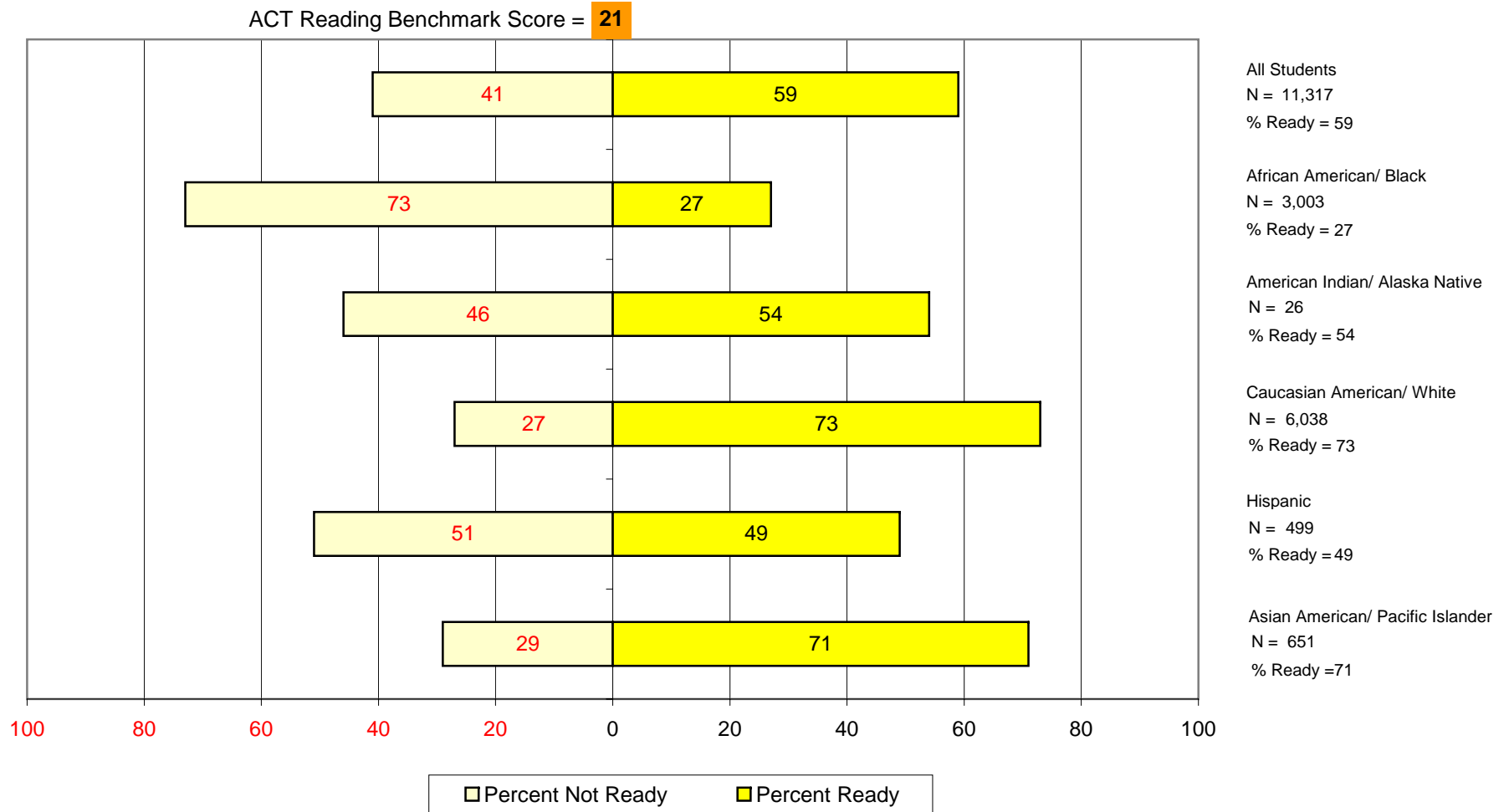
Total Students in Report: 11,317

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



Total Students in Report: 11,317

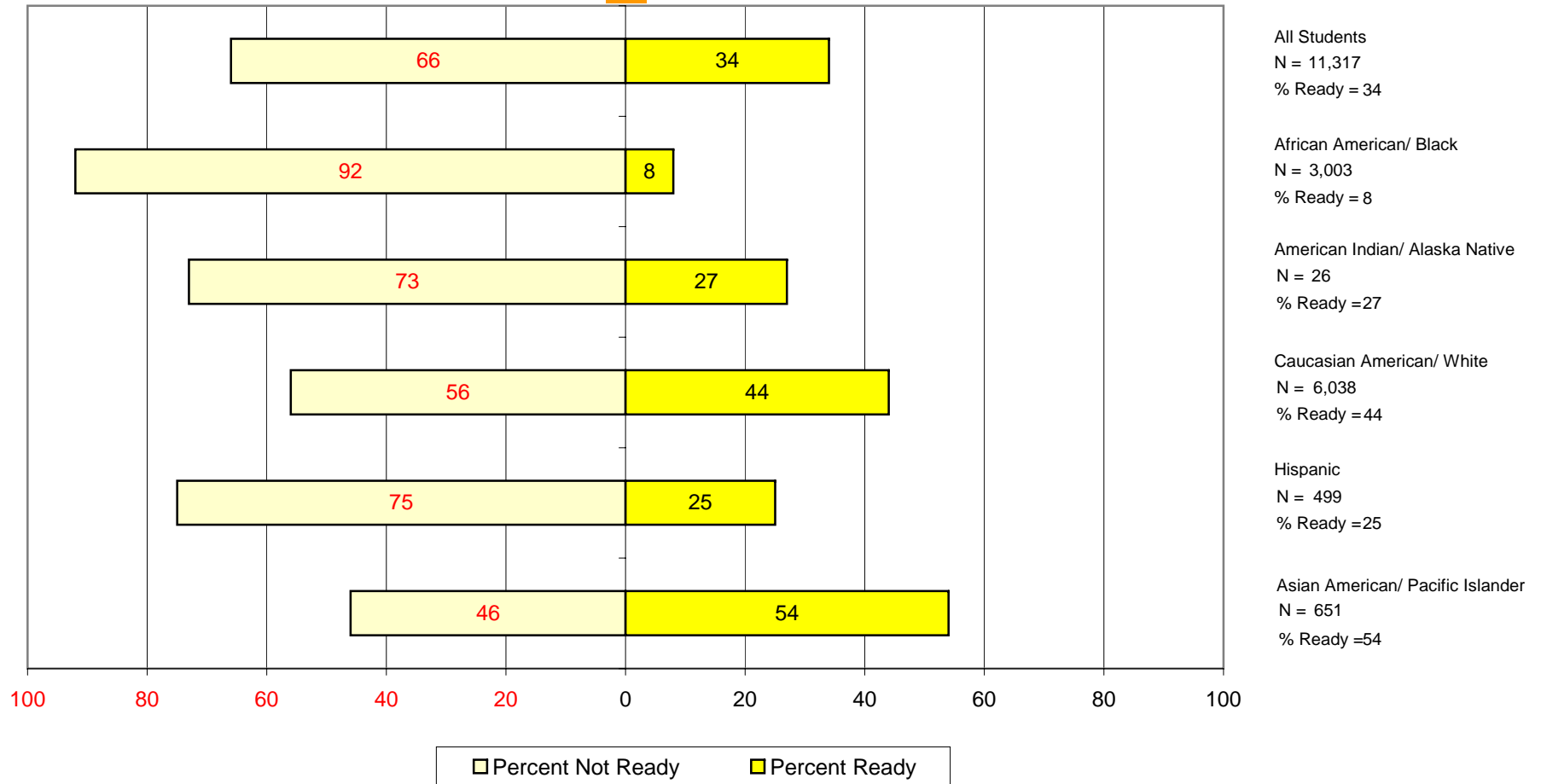
**Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING**



Total Students in Report: 11,317

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

ACT Science Benchmark Score = **24**



All Students  
N = 11,317  
% Ready = 34

African American/ Black  
N = 3,003  
% Ready = 8

American Indian/ Alaska Native  
N = 26  
% Ready = 27

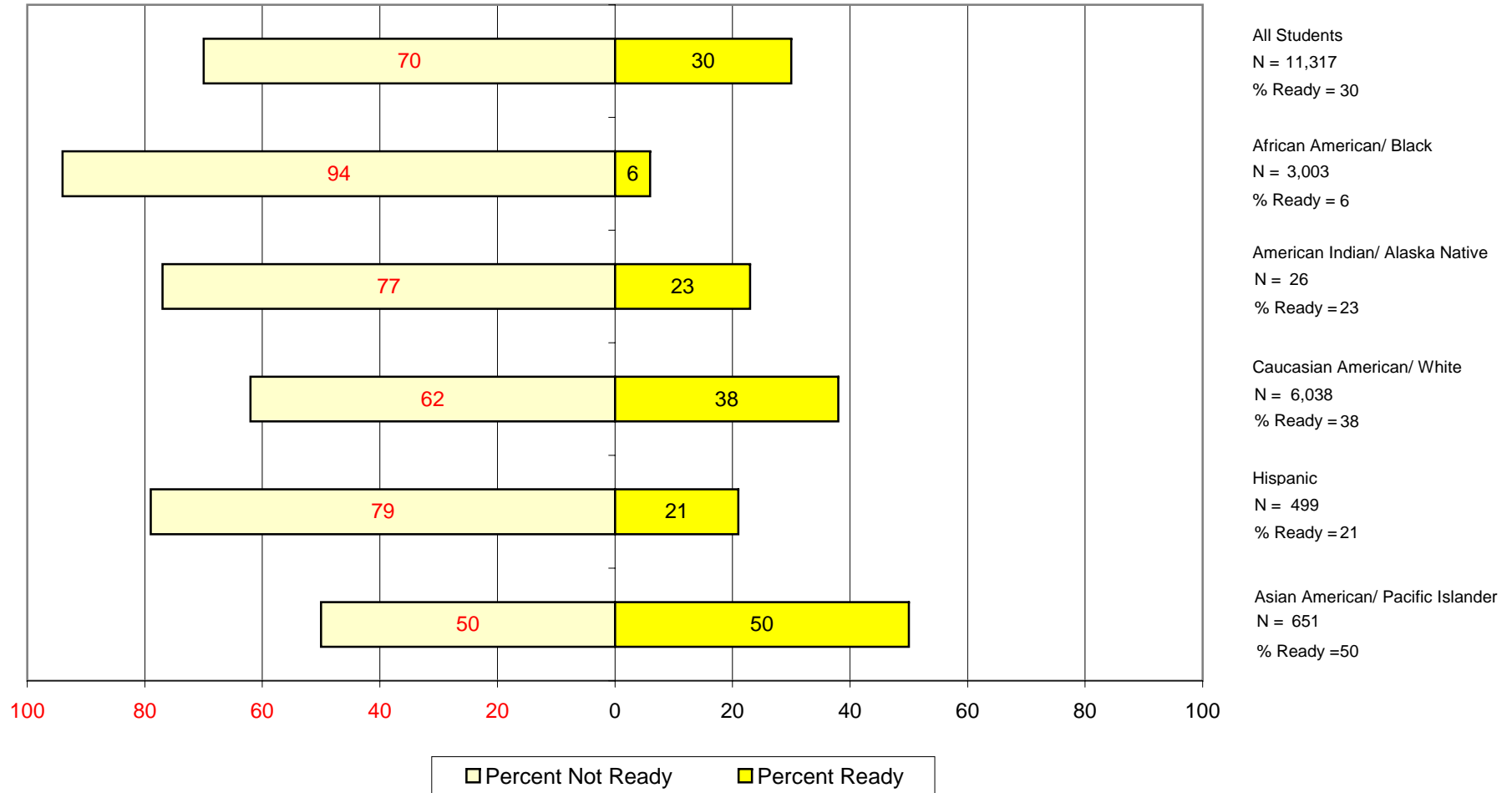
Caucasian American/ White  
N = 6,038  
% Ready = 44

Hispanic  
N = 499  
% Ready = 25

Asian American/ Pacific Islander  
N = 651  
% Ready = 54

Total Students in Report: 11,317

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



Total Students in Report: 11,317

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

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	2,568	23	22.8	3.9	971	21	22.5	2.9	1,584	24	23.1	4.8
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	8,339	74	21.8	2.9	3,562	75	21.6	2.0	4,757	73	22.0	3.7
Less than 4 years of English	198	2	18.9	-	91	2	19.6	-	105	2	18.3	-
No English course/grade information reported	212	2	15.8	-	96	2	16.3	-	108	2	15.3	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	838	7	24.9	8.5	373	8	25.3	8.6	465	7	24.7	8.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,050	9	21.6	5.2	348	7	22.0	5.3	701	11	21.3	5.1
Alg 1, Alg 2, Geom, & Trig	794	7	19.0	2.6	300	6	19.1	2.4	493	8	18.9	2.7
Alg 1, Alg 2, Geom, & Other Adv Math	1,673	15	19.7	3.3	561	12	20.2	3.5	1,106	17	19.5	3.3
Other comb of 4 or more years of Math	4,813	43	25.0	8.6	2,277	48	25.8	9.1	2,511	38	24.2	8.0
Alg 1, Alg 2, & Geom (Min. Core)	1,167	10	16.8	0.4	442	9	17.0	0.3	725	11	16.8	0.6
Other comb of 3 or 3.5 years of Math	502	4	20.9	4.5	220	5	21.2	4.5	281	4	20.6	4.4
Less than 3 years of Math	267	2	16.4	-	101	2	16.7	-	165	3	16.2	-
No Math course/grade information reported	213	2	17.9	-	98	2	18.7	-	107	2	16.9	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	937	8	23.4	-0.2	445	9	23.0	-0.1	489	7	23.7	-0.3
Other comb of 4 or more years Social Science	3,935	35	23.0	-0.6	1,702	36	23.2	0.1	2,216	34	22.9	-1.1
US Hist, World Hist, & Am Gov (Min. Core)	1,982	18	20.9	-2.7	824	17	21.2	-1.9	1,151	18	20.7	-3.3
Other comb of 3 or 3.5 years of Social Science	3,358	30	22.5	-1.1	1,252	27	22.3	-0.8	2,101	32	22.6	-1.4
Less than 3 years of Social Science	890	8	23.6	-	399	8	23.1	-	488	7	24.0	-
No Soc Sci course/grade information reported	215	2	17.4	-	98	2	17.6	-	109	2	16.9	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	5,088	45	22.6	3.3	2,364	50	23.3	4.1	2,704	41	22.0	2.6
Bio, Chem, Phys	1,831	16	23.0	3.7	754	16	23.9	4.7	1,073	16	22.3	2.9
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	3,115	28	20.0	0.7	1,068	23	20.0	0.8	2,040	31	20.0	0.6
Other comb of 3 years of Natural Science	171	2	18.1	-1.2	91	2	18.9	-0.3	79	1	17.3	-2.1
Less than 3 years of Natural Science	895	8	19.3	-	344	7	19.2	-	548	8	19.4	-
No Nat Sci course/grade information reported	217	2	18.0	-	99	2	18.6	-	110	2	17.4	-

<sup>1</sup>Course value added is defined as the average ACT score change compared to a less than core course sequence.

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

Total Students in Report: 11,317

**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
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	2,568	23	22.8	78	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	8,339	74	21.8	73	1,029,431	70	20.6	68
Less than 4 years of English	198	2	18.9	52	74,090	5	16.7	42
No English course/grade information reported	212	2	15.8	31	38,830	3	16.1	37
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	838	7	24.9	76	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,050	9	21.6	50	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	794	7	19.0	25	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	1,673	15	19.7	32	220,868	15	20.1	36
Other comb of 4 or more years of Math	4,813	43	25.0	73	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	1,167	10	16.8	8	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	502	4	20.9	44	70,732	5	20.1	35
Less than 3 years of Math	267	2	16.4	7	105,591	7	16.5	7
No Math course/grade information reported	213	2	17.9	20	40,565	3	17.7	18
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	937	8	23.4	63	46,754	3	22.8	61
Other comb of 4 or more years Social Science	3,935	35	23.0	63	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	1,982	18	20.9	48	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	3,358	30	22.5	60	420,236	28	21.3	52
Less than 3 years of Social Science	890	8	23.6	64	152,775	10	19.7	40
No Soc Sci course/grade information reported	215	2	17.4	25	40,525	3	17.5	26
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	5,088	45	22.6	42	563,824	38	22.2	39
Bio, Chem, Phys	1,831	16	23.0	46	141,531	10	23.3	47
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	3,115	28	20.0	21	459,833	31	20.1	21
Other comb of 3 years of Natural Science	171	2	18.1	12	41,353	3	19.8	21
Less than 3 years of Natural Science	895	8	19.3	19	233,215	16	18.4	11
No Nat Sci course/grade information reported	217	2	18.0	11	40,713	3	17.7	11

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



# Section IV

## Career and Educational Aspirations

Total Students in Report: 11,317

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

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture Sciences & Technologies	56	0	21.0	3	3	19.3	51	1	21.0
Architecture & Environmental Design	216	2	22.7	3	3	18.7	196	2	22.7
Business & Management	1,590	14	21.0	8	8	17.1	1,442	15	21.0
Business & Office	62	1	20.0	0	0	.	54	1	20.1
Marketing & Distribution	113	1	20.5	0	0	.	100	1	20.7
Communications & Comm. Technologies	471	4	21.2	2	2	17.0	432	4	21.0
Community & Personal Services	172	2	18.0	2	2	18.0	163	2	18.0
Computer & Information Sciences	314	3	21.6	3	3	17.0	282	3	21.6
Cross-Disciplinary Studies	46	0	24.5	0	0	.	41	0	24.0
Education	393	3	20.8	1	1	15.0	364	4	20.7
Teacher Education	166	1	19.8	1	1	15.0	148	1	19.9
Engineering	612	5	24.4	2	2	17.5	568	6	24.4
Engineering-Related Technologies	353	3	22.9	4	4	12.3	315	3	23.1
Foreign Languages	82	1	25.1	0	0	.	72	1	25.1
Health Sciences & Allied Health Fields	1,587	14	21.1	34	35	17.6	1,457	15	21.2
Human, Family & Consumer Science	65	1	17.5	1	1	14.0	59	1	17.6
Letters	78	1	25.1	1	1	20.0	71	1	25.2
Mathematics	104	1	24.9	0	0	.	92	1	25.1
Philosophy, Religion & Theology	44	0	21.8	1	1	15.0	37	0	21.5
Sciences (Biological & Physical)	1,147	10	24.1	0	0	.	1,054	11	24.1
Social Sciences	1,074	9	22.9	1	1	18.0	993	10	22.9
Trade & Industrial	24	0	18.5	5	5	17.4	16	0	19.1
Visual & Performing Arts	597	5	21.3	13	14	15.2	533	5	21.4
Undecided	1,679	15	23.5	11	11	17.9	1,353	14	23.2
No Response	272	2	17.9	0	0	.	48	0	21.5

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

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

Total Students in Report: 11,317

**Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations**

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African American/Black		American Indian/Alaska Native		Caucasian American/White		Hispanic		Asian American/Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	10	18.0	2	11.0	1	21.0	6	20.3	0	.	0	.	1	15.0
2-yr College Degree	86	16.9	25	15.1	1	16.0	46	18.4	6	15.3	2	17.5	6	14.2
Bachelors Degree	3,518	20.1	961	16.4	6	18.7	2,067	21.8	134	19.3	115	22.1	235	20.6
Graduate Study	2,788	23.1	601	18.3	7	20.7	1,731	24.6	92	22.3	129	25.4	228	24.0
Prof. Level Degree	3,635	23.4	1,079	19.1	10	22.7	1,580	25.8	217	21.6	333	26.2	416	24.5
Other	170	18.5	63	15.4	0	.	75	21.1	5	15.2	10	18.8	17	19.5
No Response	1,110	22.7	272	17.2	1	20.0	533	24.8	45	19.6	62	24.2	197	24.6

Total Students in Report: 11,317

**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	1,597	620	977	1	6	19	27	26	18	2	
TOWSON UNIVERSITY	Maryland	1,060	279	781	2	11	31	35	15	6	0	
SALISBURY UNIVERSITY	Maryland	629	138	491	1	9	32	37	16	4	0	
UNIVERSITY OF MARYLAND BALTIMORE COUNTY	Maryland	582	114	468	1	6	21	33	25	14	1	
MORGAN STATE UNIVERSITY	Maryland	388	127	261	8	36	42	11	3	0	0	
FROSTBURG STATE UNIVERSITY	Maryland	384	101	283	3	16	38	28	13	2	0	
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	380	84	296	1	5	22	30	26	16	1	
BOWIE STATE UNIVERSITY	Maryland	336	105	231	9	36	45	9	1	0	0	
NCAA ELIGIBILITY CENTER	Indiana	320	185	135	4	17	30	26	18	6	1	
VIRGINIA TECH	Virginia	309	53	256	0	2	11	30	35	20	1	
HOWARD UNIVERSITY	District of Columbia	295	116	179	1	21	42	27	8	0	0	
UNIVERSITY OF DELAWARE	Delaware	257	63	194	1	6	11	29	37	16	0	
UNIVERSITY OF MARYLAND EASTERN SHORE	Maryland	246	51	195	7	39	39	13	2	0	0	
JOHNS HOPKINS UNIVERSITY THE	Maryland	219	59	160	0	5	16	16	24	33	6	
JAMES MADISON UNIVERSITY	Virginia	216	48	168	0	1	18	40	30	10	1	
WEST VIRGINIA UNIVERSITY	West Virginia	202	67	135	1	8	33	33	19	6	0	
HAMPTON UNIVERSITY	Virginia	194	61	133	3	23	45	23	5	1	0	
STEVENSON UNIVERSITY	Maryland	192	43	149	2	14	38	29	14	4	0	
GEORGETOWN UNIVERSITY	District of Columbia	163	45	118	1	3	18	20	18	36	4	
LOYOLA COLLEGE	Maryland	159	40	119	2	4	21	28	28	17	0	
ST MARY'S COLLEGE OF MARYLAND	Maryland	145	32	113	1	6	15	28	26	23	0	
DELAWARE STATE UNIVERSITY	Delaware	139	25	114	10	40	40	6	3	1	0	
MONTGOMERY COLLEGE-MD	Maryland	137	41	96	5	23	35	19	11	6	1	
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	135	42	93	4	16	53	21	7	0	0	
DREXEL UNIVERSITY	Pennsylvania	132	32	100	1	4	19	32	29	14	2	
GEORGE MASON UNIVERSITY	Virginia	129	27	102	2	8	32	36	14	9	0	
YORK COLLEGE OF PENNSYLVANIA	Pennsylvania	126	32	94	0	8	28	37	22	5	1	
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	125	25	100	0	6	10	25	30	27	2	
EAST CAROLINA UNIVERSITY	North Carolina	122	36	86	2	10	35	40	10	2	0	
COPPIN STATE UNIVERSITY	Maryland	121	34	87	12	41	42	4	0	0	0	
All Other Institutions		10,459	2,853	7,606	1	9	22	26	22	16	3	
<b>Total</b>		<b>19,898</b>	<b>5,578</b>	<b>14,320</b>	<b>2</b>	<b>11</b>	<b>25</b>	<b>27</b>	<b>20</b>	<b>13</b>	<b>2</b>	

# Section V

## Optional Writing Test Results

Total Students in Report: 11,317

**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
<b>All Students</b>	<b>8,378</b>	<b>814,713</b>	<b>23.0</b>	<b>21.5</b>	<b>7.6</b>	<b>7.2</b>	<b>22.3</b>	<b>20.8</b>
African American/Black	1,914	96,225	18.1	16.5	7.0	6.4	18.2	16.5
American Indian/Alaska Native	15	5,489	20.6	18.9	7.6	6.7	20.5	18.5
Caucasian American/White	4,617	497,164	24.6	22.8	7.8	7.3	23.7	21.9
Hispanic	401	85,681	20.9	18.4	7.5	7.0	20.7	18.4
Asian American/Pacific Islander	553	44,716	25.2	23.5	7.9	7.6	24.2	22.8
Other/No Response	878	85,438	24.7	21.4	7.8	7.2	23.7	20.8
Males	3,345	357,025	23.0	21.1	7.4	6.9	22.1	20.3
Females	4,996	455,190	23.0	21.7	7.8	7.4	22.5	21.2
Missing	37	2,498	23.7	22.1	7.6	7.2	22.9	21.3



