

# ACT Profile Report - State

Graduating Class 2010  
Maryland





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This report provides information about the performance of your 2010 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 2010 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](http://www.act.org/standard/infoserv.html).

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

32% 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:** 11,924 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, 6% were college ready. 10% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 9% of these students were college ready. In comparison, 61% 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. 19% of these students were college ready. In comparison, 39% of students who took at least three years of science coursework were college ready.

**EVALUATING RIGOR OF COURSES:** Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 39% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at [www.act.org/standard](http://www.act.org/standard).

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

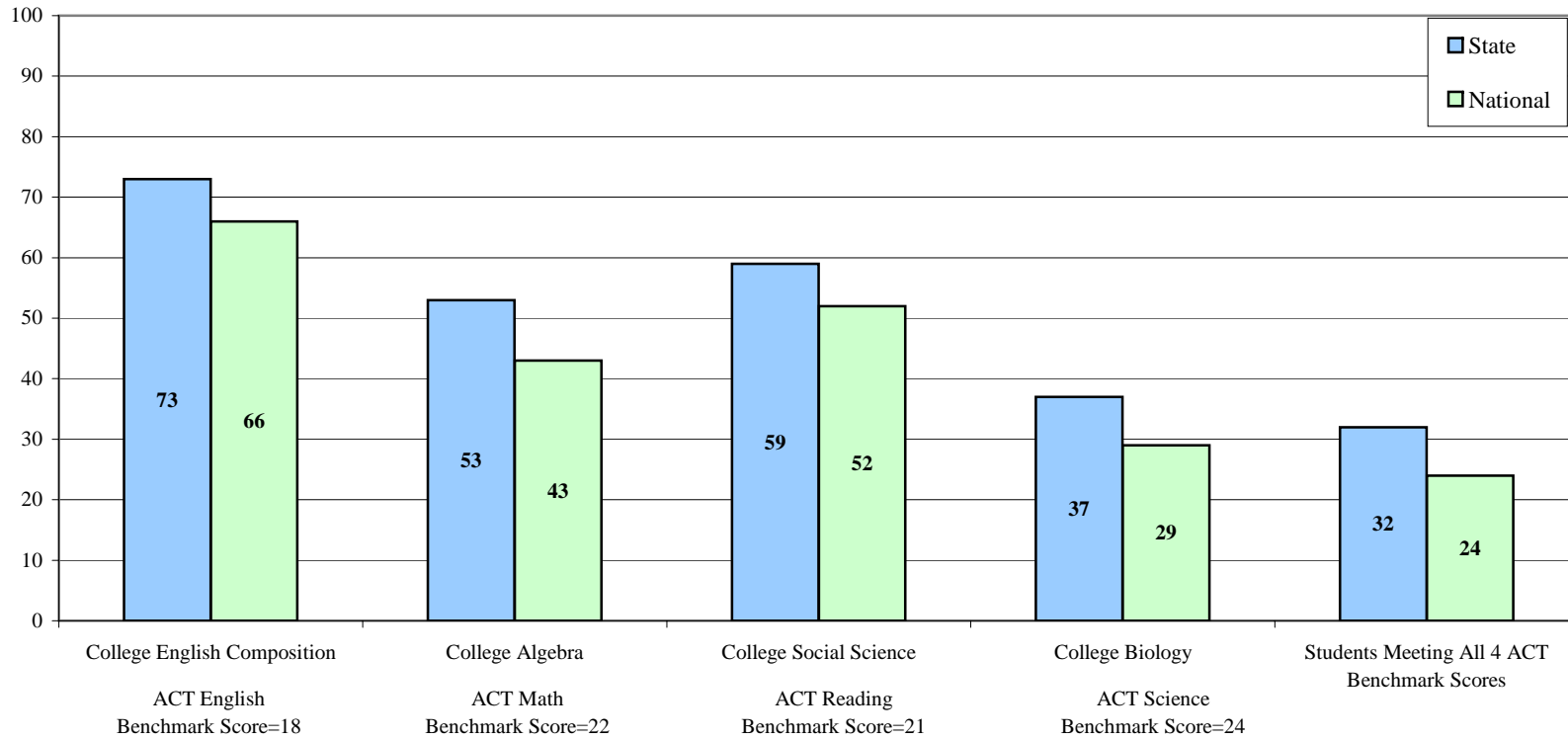
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 404-231-1952.

# Section I

## Executive Summary

Total Students in Report: 11,924

**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: 11,924

**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
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
2009	11,317	1,480,469	73	67	51	42	59	53	34	28	30	23
<b>2010</b>	<b>11,924</b>	<b>1,568,835</b>	<b>73</b>	<b>66</b>	<b>53</b>	<b>43</b>	<b>59</b>	<b>52</b>	<b>37</b>	<b>29</b>	<b>32</b>	<b>24</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
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
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
<b>2010</b>	<b>11,924</b>	<b>1,568,835</b>	<b>22.0</b>	<b>20.5</b>	<b>22.3</b>	<b>21.0</b>	<b>22.4</b>	<b>21.3</b>	<b>21.8</b>	<b>20.9</b>	<b>22.3</b>	<b>21.0</b>

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

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2009	1,480,469	20.6	21.0	21.4	20.9	21.1
<b>2010</b>	<b>1,568,835</b>	<b>20.5</b>	<b>21.0</b>	<b>21.3</b>	<b>20.9</b>	<b>21.0</b>

Total Students in Report: 11,924

**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
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
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
<b>2010</b>	<b>9,678</b>	<b>2,084</b>	<b>81</b>	<b>17</b>	<b>22.4</b>	<b>20.3</b>	<b>22.7</b>	<b>20.8</b>	<b>22.8</b>	<b>21.0</b>	<b>22.2</b>	<b>20.4</b>	<b>22.7</b>	<b>20.7</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.

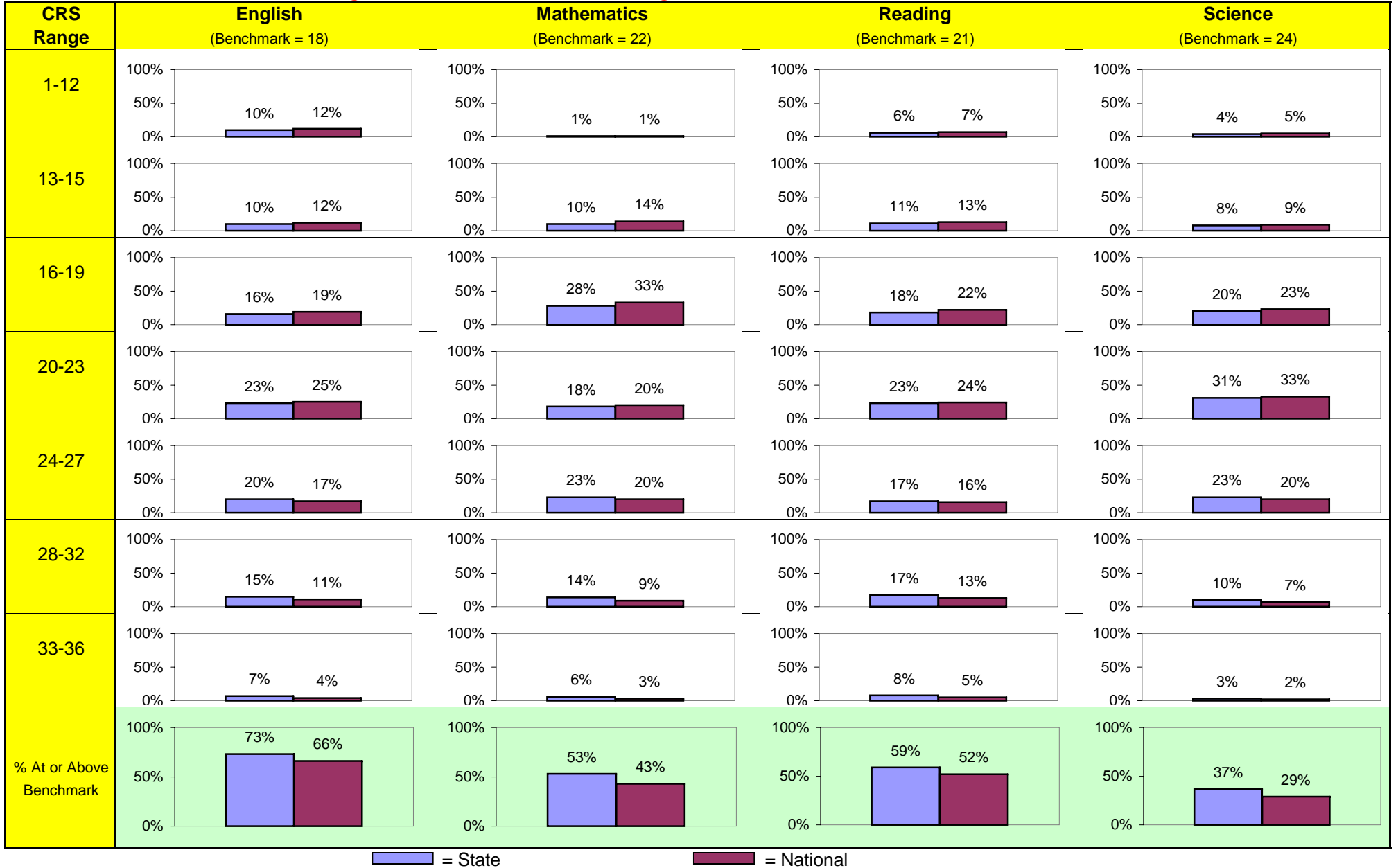
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2006			2007			2008			2009			2010		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</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>	<b>11,924</b>	<b>100</b>	<b>22.3</b>
African American/Black	2,004	26	17.4	2,242	24	17.3	2,686	25	17.5	3,003	27	17.8	3,192	27	17.8
American Indian/Alaska Native	29	0	20.3	36	0	19.6	40	0	22.1	26	0	20.8	37	0	20.9
Caucasian American/White	3,632	47	23.3	4,304	47	23.3	5,500	51	23.5	6,038	53	23.9	6,320	53	24.2
Hispanic	268	3	20.6	254	3	21.3	378	4	21.5	499	4	20.8	639	5	20.7
Asian American/Pacific Islander	314	4	23.6	332	4	24.1	458	4	24.6	651	6	25.0	721	6	25.2
Other/No Response	1,511	19	22.1	2,082	23	22.6	1,678	16	23.5	1,100	10	23.4	1,015	9	23.0

Total Students in Report: 11,924

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





# Section II

# Academic Achievement

Total Students in Report: 11,924

**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	74	100	76	100	104	100	61	100	5	100	36
35	230	99	203	99	179	99	112	99	64	100	35
34	264	97	179	98	343	98	60	99	112	99	34
33	259	95	207	96	305	95	142	98	175	98	33
32	223	93	266	94	379	92	76	97	274	97	32
31	275	91	238	92	337	89	206	96	328	95	31
30	399	89	327	90	435	86	265	94	406	92	30
29	358	86	343	87	418	83	281	92	454	89	29
28	512	83	500	85	454	79	422	90	519	85	28
27	444	78	613	80	477	75	583	86	564	80	27
26	637	75	696	75	465	71	521	81	617	76	26
25	673	69	677	69	606	67	888	77	748	70	25
24	688	64	810	64	528	62	786	70	737	64	24
23	588	58	681	57	619	58	920	63	722	58	23
22	696	53	562	51	719	53	849	55	725	52	22
21	792	47	445	47	637	47	933	48	731	46	21
20	693	40	487	43	784	41	989	40	726	40	20
19	527	35	566	39	565	35	695	32	674	34	19
18	410	30	673	34	414	30	778	26	589	28	18
17	422	27	902	28	687	26	487	20	615	23	17
16	493	23	1,187	21	523	21	405	16	605	18	16
15	471	19	756	11	392	16	408	12	520	13	15
14	405	15	335	4	586	13	262	9	408	9	14
13	257	12	131	2	308	8	303	7	308	5	13
12	248	10	41	1	275	6	169	4	175	2	12
11	318	7	10	1	201	3	150	3	81	1	11
10	199	5	3	1	83	2	87	1	27	1	10
9	171	3	1	1	44	1	44	1	9	1	9
8	117	2	6	1	32	1	21	1	4	1	8
7	42	1	0	1	16	1	5	1	0	1	7
6	26	1	3	1	2	1	11	1	1	1	6
5	9	1	0	1	5	1	3	1	1	1	5
4	3	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	2	1	0	1	3
2	1	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	1	1	0	1	0	1	1
<b>Avg (SD)</b>	22.0 (6.7)		22.3 (5.8)		22.4 (6.5)		21.8 (5.3)		22.3 (5.6)		<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: 11,924

**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	798	100	229	100	443	100	494	100	929	100	247	100	198	100	18
17	658	93	136	98	717	96	1,399	96	886	92	215	98	200	98	17
16	672	88	974	97	932	90	675	84	844	85	630	96	563	97	16
15	946	82	1,071	89	806	82	1,063	78	935	78	576	91	888	92	15
14	711	74	962	80	804	76	588	70	824	70	1,333	86	1,166	84	14
13	870	68	1,161	72	748	69	1,007	65	753	63	1,313	75	1,203	75	13
12	818	61	1,370	62	1,113	63	916	56	1,082	57	1,138	64	1,198	65	12
11	959	54	1,293	50	1,020	53	1,191	48	960	48	1,573	54	1,153	55	11
10	1,286	46	984	40	1,092	45	854	39	879	40	1,275	41	1,461	45	10
9	914	35	1,150	31	1,290	36	711	31	869	32	1,543	30	1,166	33	9
8	667	28	800	22	964	25	782	25	1,106	25	890	17	1,091	23	8
7	788	22	626	15	931	17	596	19	1,098	16	557	10	493	14	7
6	614	15	336	10	506	9	731	14	496	6	183	5	474	10	6
5	477	10	372	7	290	5	525	8	167	2	235	4	243	6	5
4	390	6	283	4	122	2	245	3	62	1	61	2	149	4	4
3	245	3	153	1	89	1	100	1	24	1	107	1	121	2	3
2	97	1	17	1	38	1	40	1	9	1	1	1	126	1	2
1	14	1	7	1	19	1	7	1	1	1	47	1	31	1	1
Avg (SD)	11.1 (4.2)		11.2 (3.5)		11.3 (3.7)		11.6 (4.0)		11.9 (3.8)		11.2 (3.1)		11.0 (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)	27	26	27	25	26
Q2 (50th Percentile)	22	22	22	22	22
Q1 (25th Percentile)	17	17	17	18	18

Total Students in Report: 11,924

**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>11,924</b>	<b>81</b>	<b>22.7</b>	<b>20.7</b>
	African American/Black	3,192	76	18.1	16.9
	American Indian/Alaska Native	37	81	21.7	18.5
	Caucasian American/White	6,320	85	24.4	23.6
	Hispanic	639	72	21.4	18.9
	Asian American/Pacific Islander	721	84	25.6	22.8
	Other/No Response	1,015	80	23.5	20.8
National	<b>All Students</b>	<b>1,568,835</b>	<b>71</b>	<b>22.0</b>	<b>18.9</b>
	African American/Black	214,836	65	17.5	15.8
	American Indian/Alaska Native	16,382	60	20.2	17.4
	Caucasian American/White	979,329	74	23.1	20.0
	Hispanic	157,579	68	19.4	17.0
	Asian American/Pacific Islander	65,362	81	23.9	21.5
	Other/No Response	135,347	65	21.8	18.7

<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>	22.0	22.3	22.4	21.8	22.3
	African American/Black	16.9	18.0	17.9	17.9	17.8
	American Indian/Alaska Native	20.2	20.8	21.7	20.8	20.9
	Caucasian American/White	24.3	24.1	24.5	23.5	24.2
	Hispanic	19.9	21.0	21.0	20.5	20.7
	Asian American/Pacific Islander	24.6	26.5	24.5	24.5	25.2
	Other/No Response	22.8	22.9	23.2	22.4	23.0
National	<b>All Students</b>	20.5	21.0	21.3	20.9	21.0
	African American/Black	15.7	17.1	16.8	17.2	16.9
	American Indian/Alaska Native	17.9	18.8	19.4	19.3	19.0
	Caucasian American/White	22.0	22.0	22.6	22.0	22.3
	Hispanic	17.3	19.0	18.7	18.7	18.6
	Asian American/Pacific Islander	22.6	24.7	22.9	23.0	23.4
	Other/No Response	20.0	20.7	20.9	20.4	20.6



Total Students in Report: 11,924

**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	827	7	665	6	931	8	375	3
	28 to 32	1,767	15	1,674	14	2,023	17	1,250	10
	24 to 27	2,442	20	2,796	23	2,076	17	2,778	23
	20 to 23	2,769	23	2,175	18	2,759	23	3,691	31
	16 to 19	1,852	16	3,328	28	2,189	18	2,365	20
	13 to 15	1,133	10	1,222	10	1,286	11	973	8
	01 to 12	1,134	10	64	1	660	6	492	4
National	33 to 36	66,467	4	46,930	3	76,605	5	30,627	2
	28 to 32	165,254	11	142,908	9	211,021	13	111,377	7
	24 to 27	268,486	17	319,044	20	248,190	16	317,878	20
	20 to 23	386,648	25	318,678	20	383,226	24	513,801	33
	16 to 19	302,869	19	518,636	33	340,348	22	368,286	23
	13 to 15	191,597	12	213,176	14	201,824	13	148,317	9
	01 to 12	187,514	12	9,463	1	107,621	7	78,549	5

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	5,224	44	21.6	23.2	22.3	22.4	22.5
	Females	6,696	56	22.2	21.6	22.6	21.4	22.1
	Missing	4	0	22.8	19.0	20.0	20.5	21.0
National	Males	713,544	45	20.1	21.6	21.1	21.4	21.2
	Females	852,493	54	20.8	20.5	21.4	20.5	20.9
	Missing	2,798	0	16.2	17.9	17.7	17.9	17.5

**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	59	57	43	37
	Females	75	49	60	33	29
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 11,924

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

Student Group	Curriculum Taken <sup>1</sup>	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % <sup>4</sup>	Avg
State	Core or More <sup>2</sup>	9,678	76	22.4	57	22.7	61	22.8	39	22.2	35	22.7
	Less than Core	2,084	62	20.3	42	20.8	49	21.0	28	20.4	24	20.7
	Missing <sup>3</sup>	162	37	16.1	18	18.0	28	17.7	9	18.0	7	17.6
National	Core or More	1,118,639	74	21.6	51	21.9	58	22.2	35	21.7	29	22.0
	Less than Core	397,685	50	18.1	26	18.9	37	19.2	17	19.0	13	18.9
	Missing	52,511	33	15.5	16	17.4	24	17.1	10	17.3	7	16.9

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

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

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

<sup>4</sup> Composite CRB% results reflect students who 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 <sup>2</sup>	11,555	74	22.1	11,490	55	22.5	10,813	59	22.5	10,771	39	22.1
	Less than Core	219	51	18.0	281	6	16.0	957	61	22.9	999	19	19.1
	Missing <sup>3</sup>	150	37	16.1	153	17	17.9	154	29	17.9	154	10	18.1
National	Core or More	1,451,549	69	20.8	1,423,506	47	21.4	1,366,601	54	21.6	1,290,372	33	21.5
	Less than Core	74,180	39	16.4	97,949	7	16.4	156,679	39	19.5	231,566	12	18.3
	Missing	43,106	34	15.7	47,380	16	17.5	45,555	25	17.3	46,897	10	17.4

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

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

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

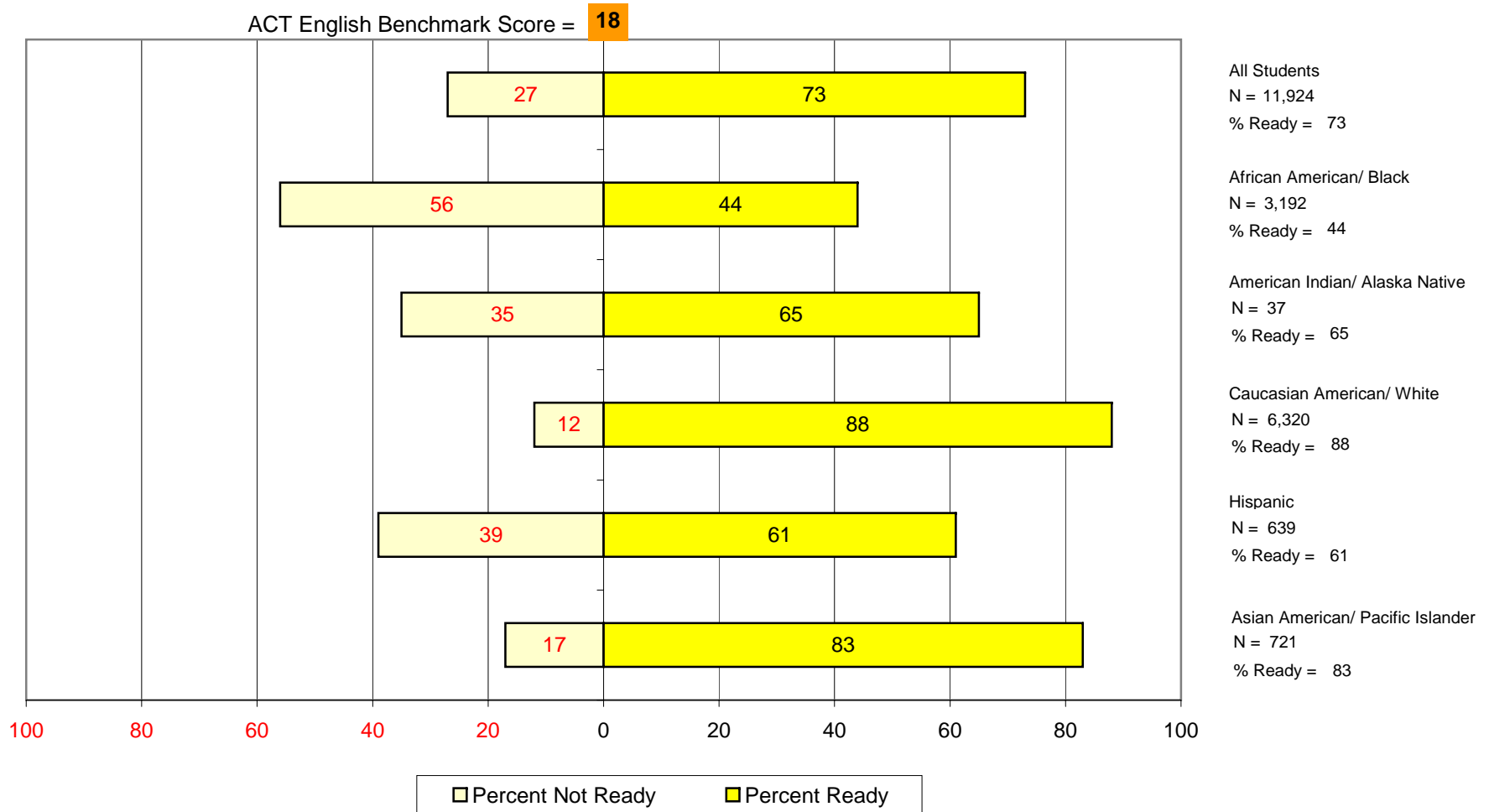
<sup>3</sup> Zero years or no coursework information reported in the specified content area.

# Section III

## College Readiness and the Impact of Course Rigor

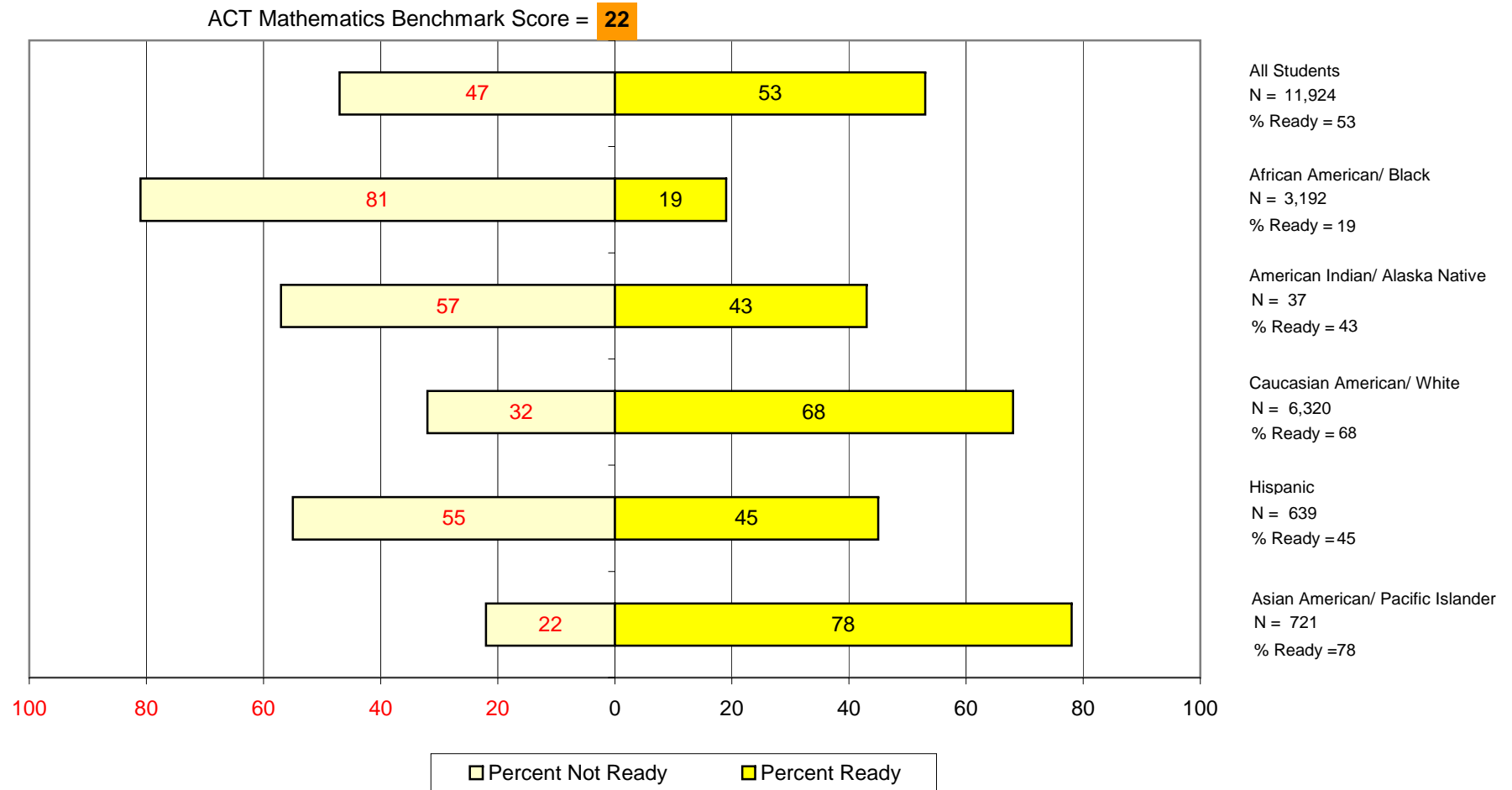
Total Students in Report: 11,924

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



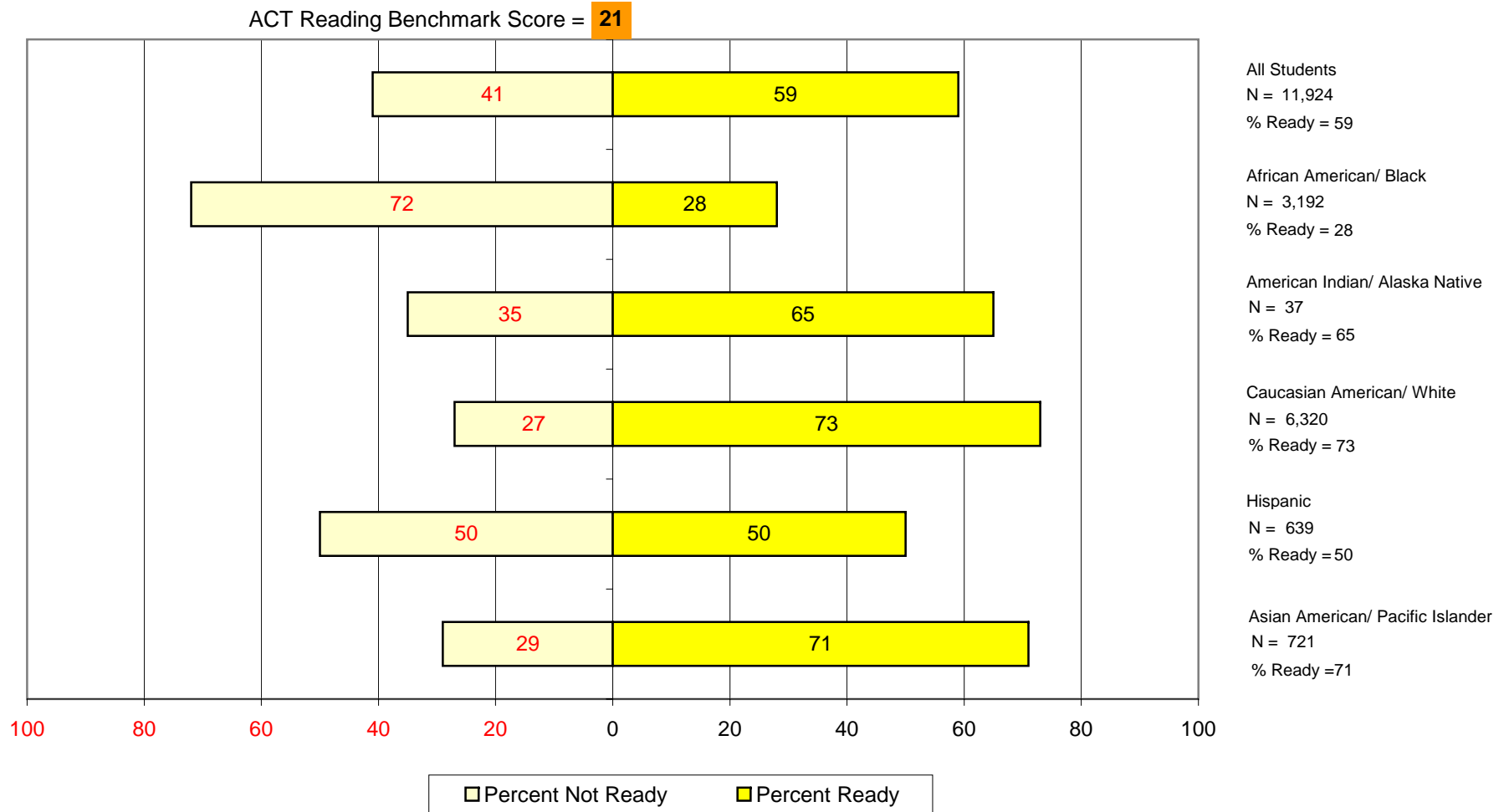
Total Students in Report: 11,924

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



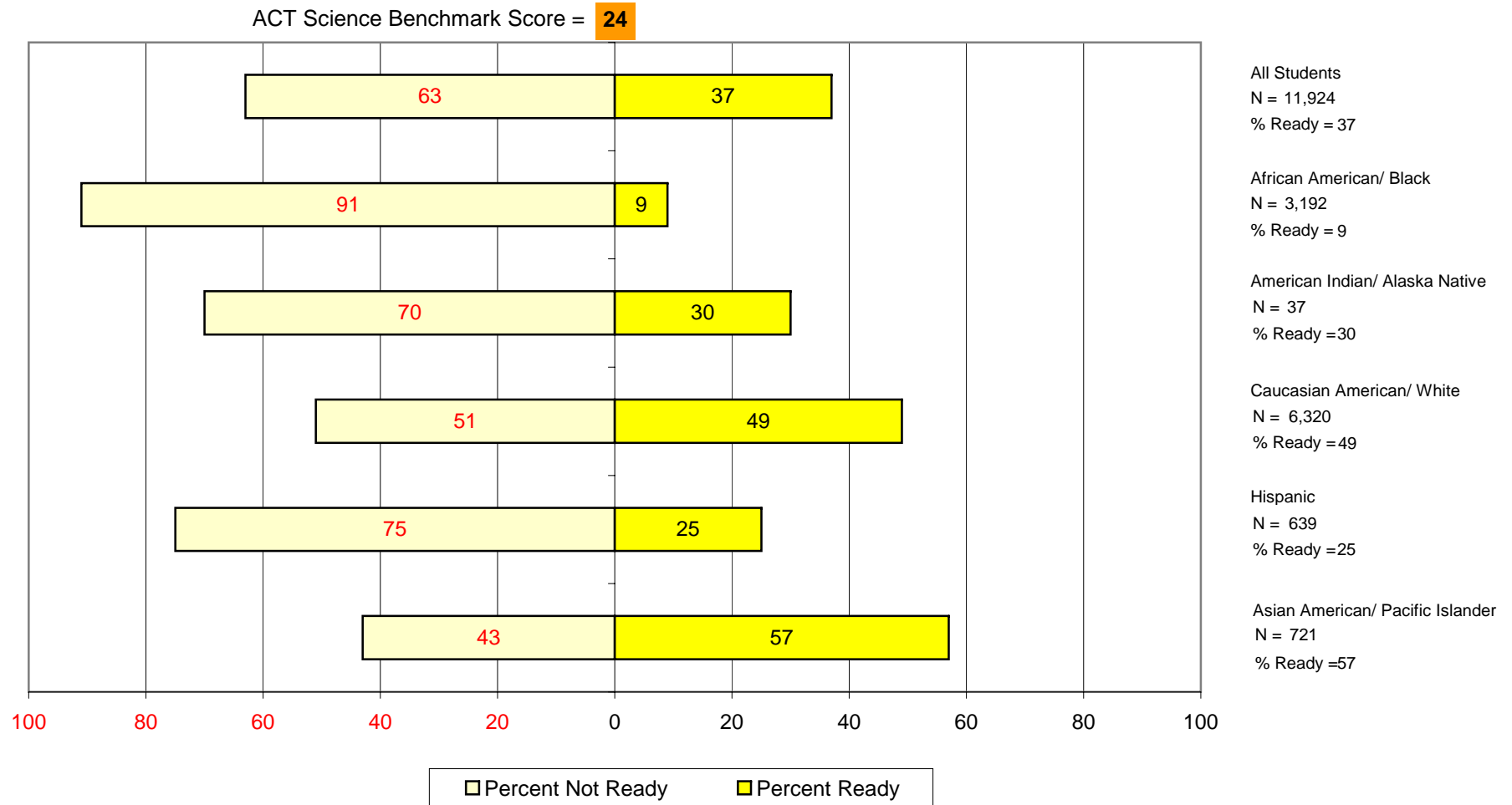
Total Students in Report: 11,924

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



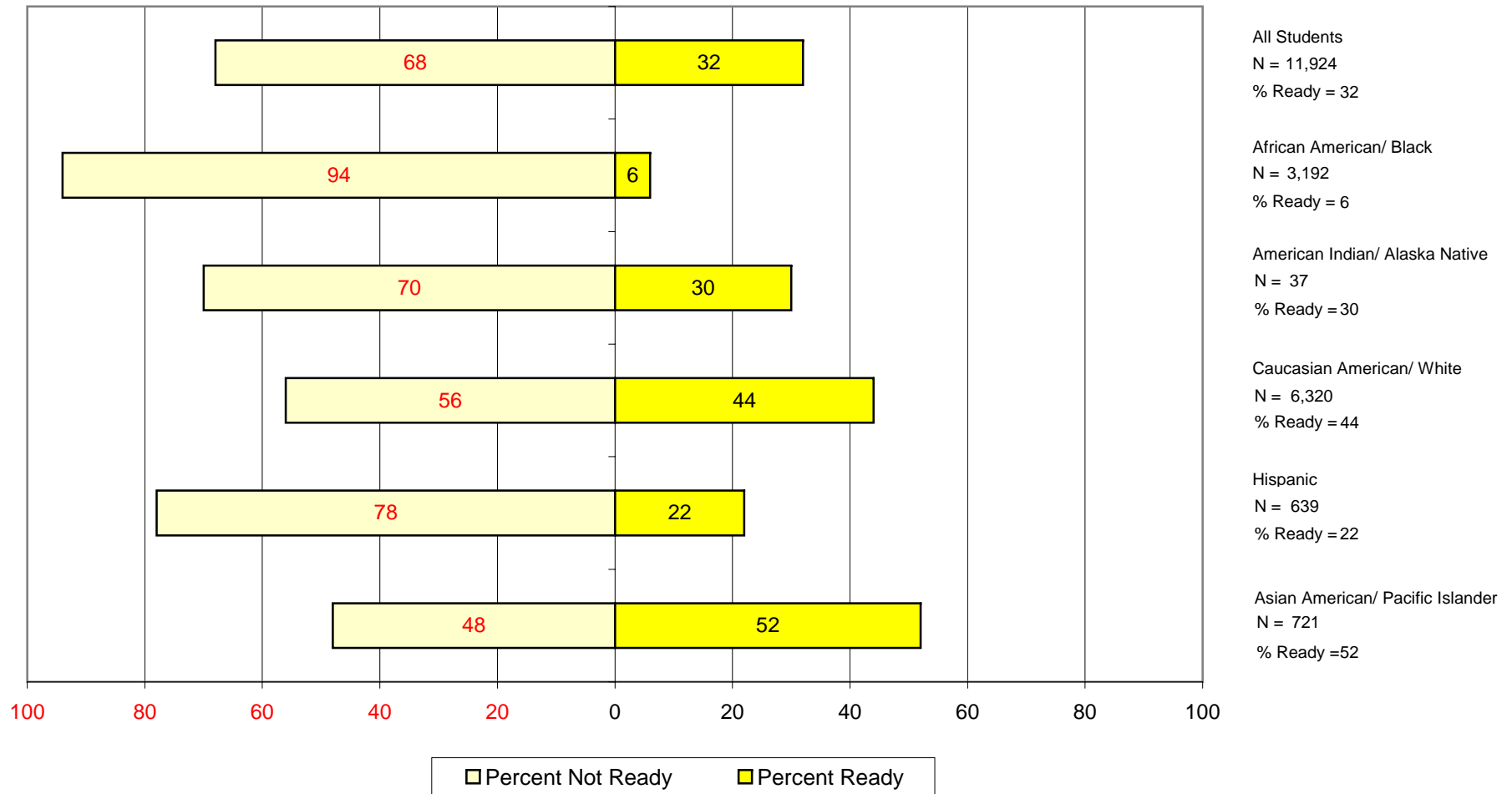
Total Students in Report: 11,924

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



Total Students in Report: 11,924

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





Total Students in Report: 11,924

**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	2,577	22	23.1	5.1	1,005	19	22.6	4.2	1,570	23	23.4	5.6
Eng 9, Eng 10, Eng 11, Eng 12	8,978	75	21.8	3.8	4,041	77	21.6	3.2	4,936	74	22.0	4.2
Less than 4 years of English	219	2	18.0	-	102	2	18.4	-	117	2	17.8	-
Zero years / no English courses reported	150	1	16.1	-	76	1	16.8	-	73	1	15.3	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	838	7	25.1	9.1	361	7	25.9	9.8	477	7	24.5	8.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,098	9	21.4	5.4	364	7	21.9	5.8	734	11	21.2	5.3
Alg 1, Alg 2, Geom, & Trig	698	6	18.9	2.9	257	5	19.3	3.2	441	7	18.7	2.8
Alg 1, Alg 2, Geom, & Other Adv Math	1,635	14	19.6	3.6	603	12	19.8	3.7	1,032	15	19.5	3.6
Other comb of 4 or more years of Math	5,472	46	25.1	9.1	2,704	52	25.9	9.8	2,766	41	24.3	8.4
Alg 1, Alg 2, & Geom	1,214	10	16.9	0.9	494	9	17.2	1.1	719	11	16.6	0.7
Other comb of 3 or 3.5 years of Math	535	4	21.0	5.0	231	4	21.1	5.0	304	5	20.9	5.0
Less than 3 years of Math	281	2	16.0	-	132	3	16.1	-	149	2	15.9	-
Zero years / no Math courses reported	153	1	17.9	-	78	1	19.1	-	74	1	16.7	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	974	8	23.3	0.4	470	9	22.9	0.2	504	8	23.7	0.5
Other comb of 4 or more years Social Science	4,351	36	23.0	0.1	1,951	37	23.2	0.5	2,398	36	22.9	-0.3
US Hist, World Hist, & Am Gov	2,065	17	20.7	-2.2	958	18	20.3	-2.4	1,106	17	21.0	-2.2
Other comb of 3 or 3.5 years of Social Science	3,423	29	22.6	-0.3	1,334	26	22.3	-0.4	2,089	31	22.8	-0.4
Less than 3 years of Social Science	957	8	22.9	-	434	8	22.7	-	523	8	23.2	-
Zero years / no Social Science courses reported	154	1	17.9	-	77	1	18.6	-	76	1	17.1	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	5,498	46	22.8	3.7	2,627	50	23.5	5.0	2,869	43	22.2	2.7
Bio, Chem, Phys	1,879	16	23.3	4.2	850	16	24.1	5.6	1,029	15	22.6	3.1
Gen Sci <sup>2</sup> , Bio, Chem	3,202	27	20.4	1.3	1,204	23	20.4	1.9	1,997	30	20.3	0.8
Other comb of 3 years of Natural Science	192	2	18.7	-0.4	97	2	19.3	0.8	95	1	18.1	-1.4
Less than 3 years of Natural Science	999	8	19.1	-	368	7	18.5	-	631	9	19.5	-
Zero years / no Natural Science courses reported	154	1	18.1	-	78	1	18.9	-	75	1	17.2	-

<sup>1</sup>Course value added is defined as the average ACT score change compared to course sequences in which students took less than four years and three years of English and non-English content areas, respectively.

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

Total Students in Report: 11,924

**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	2,577	22	23.1	80	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	8,978	75	21.8	73	1,096,437	70	20.5	66
Less than 4 years of English	219	2	18.0	51	74,180	5	16.4	39
Zero years / no English courses reported	150	1	16.1	37	43,106	3	15.7	34
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	838	7	25.1	79	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,098	9	21.4	51	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	698	6	18.9	24	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	1,635	14	19.6	32	239,289	15	20.0	36
Other comb of 4 or more years of Math	5,472	46	25.1	74	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	1,214	10	16.9	9	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	535	4	21.0	44	74,720	5	19.9	35
Less than 3 years of Math	281	2	16.0	6	97,949	6	16.4	7
Zero years / no Math courses reported	153	1	17.9	17	47,380	3	17.5	16
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	974	8	23.3	63	47,523	3	22.6	60
Other comb of 4 or more years Social Science	4,351	36	23.0	63	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	2,065	17	20.7	47	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	3,423	29	22.6	60	439,520	28	21.2	51
Less than 3 years of Social Science	957	8	22.9	61	156,679	10	19.5	39
Zero years / no Social Science courses reported	154	1	17.9	29	45,555	3	17.3	25
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	5,498	46	22.8	45	620,765	40	22.2	40
Bio, Chem, Phys	1,879	16	23.3	50	152,001	10	23.2	48
Gen Sci <sup>1</sup> , Bio, Chem	3,202	27	20.4	24	474,375	30	20.1	21
Other comb of 3 years of Natural Science	192	2	18.7	18	43,231	3	19.7	21
Less than 3 years of Natural Science	999	8	19.1	19	231,566	15	18.3	12
Zero years / no Natural Science courses reported	154	1	18.1	10	46,897	3	17.4	10

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

# Section IV

## Career and Educational Aspirations

Total Students in Report: 11,924

**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	65	1	22.1	4	3	19.0	55	1	22.0
Architecture & Environmental Design	193	2	21.9	3	3	14.7	179	2	21.9
Business & Management	1,392	12	21.1	11	10	16.2	1,245	12	21.2
Business & Office	56	0	19.1	1	1	18.0	44	0	19.1
Marketing & Distribution	109	1	19.7	1	1	13.0	97	1	20.1
Communications & Comm. Technologies	488	4	21.6	4	3	14.5	441	4	21.8
Community & Personal Services	156	1	18.0	5	4	15.8	138	1	17.9
Computer & Information Sciences	325	3	21.5	4	3	14.8	293	3	21.6
Cross-Disciplinary Studies	59	0	24.5	0	0	.	52	0	24.3
Education	414	3	20.9	3	3	18.3	381	4	20.9
Teacher Education	212	2	20.1	1	1	12.0	199	2	20.2
Engineering	702	6	24.5	5	4	13.6	652	6	24.7
Engineering-Related Technologies	407	3	23.0	3	3	15.3	366	3	23.2
Foreign Languages	83	1	23.9	1	1	25.0	74	1	23.6
Health Sciences & Allied Health Fields	1,697	14	21.1	34	30	18.2	1,571	15	21.2
Human, Family & Consumer Science	81	1	18.5	3	3	15.3	74	1	18.7
Letters	82	1	26.1	0	0	.	76	1	26.1
Mathematics	134	1	25.5	0	0	.	112	1	26.0
Philosophy, Religion & Theology	42	0	23.0	0	0	.	38	0	22.0
Sciences (Biological & Physical)	1,299	11	24.2	5	4	17.0	1,197	11	24.2
Social Sciences	1,115	9	22.9	5	4	18.4	1,029	10	22.9
Trade & Industrial	28	0	16.9	3	3	17.0	22	0	17.3
Visual & Performing Arts	622	5	21.4	9	8	17.1	556	5	21.4
Undecided	1,931	16	23.3	9	8	15.7	1,552	15	23.2
No Response	232	2	17.8	1	1	13.0	40	0	19.8

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

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

Total Students in Report: 11,924

**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	11	17.5	4	16.0	0	.	3	21.3	1	16.0	2	13.5	1	21.0
2-yr College Degree	104	16.7	31	14.4	2	15.5	47	18.8	13	15.8	1	11.0	10	16.4
Bachelors Degree	3,635	20.3	964	16.3	8	18.5	2,126	22.2	177	18.9	134	21.3	226	20.1
Graduate Study	2,979	23.4	652	18.9	9	21.4	1,840	24.9	125	22.1	130	24.8	223	23.8
Prof. Level Degree	3,869	23.5	1,184	18.9	15	23.4	1,677	26.1	231	22.3	355	26.9	407	24.1
Other	197	18.8	66	15.6	2	17.5	75	21.4	23	17.0	15	20.2	16	21.4
No Response	1,129	22.3	291	16.5	1	17.0	552	25.0	69	19.6	84	25.7	132	23.6

Total Students in Report: 11,924

**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	1,763	723	1,040	1	5	17	26	29	20	2	
TOWSON UNIVERSITY	Maryland	1,109	280	829	2	12	26	34	20	6	0	
SALISBURY UNIVERSITY	Maryland	654	163	491	3	9	31	34	18	5	0	
UNIVERSITY OF MARYLAND BALTIMORE COUNTY	Maryland	650	147	503	1	6	22	31	26	13	1	
MORGAN STATE UNIVERSITY	Maryland	390	119	271	9	36	40	11	3	1	0	
FROSTBURG STATE UNIVERSITY	Maryland	356	88	268	5	16	38	27	11	3	0	
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	340	53	287	2	5	18	24	29	20	1	
BOWIE STATE UNIVERSITY	Maryland	333	100	233	14	39	37	9	1	0	0	
NCAA ELIGIBILITY CENTER	Indiana	287	182	105	5	21	26	26	14	8	1	
VIRGINIA TECH	Virginia	287	54	233	1	2	8	25	36	27	2	
UNIVERSITY OF DELAWARE	Delaware	271	55	216	1	2	13	31	33	19	1	
UNIVERSITY OF MARYLAND EASTERN SHORE	Maryland	249	55	194	10	32	39	17	2	1	0	
HOWARD UNIVERSITY	District of Columbia	239	80	159	6	18	40	27	8	2	0	
JAMES MADISON UNIVERSITY	Virginia	233	54	179	0	4	15	39	28	14	0	
STEVENSON UNIVERSITY	Maryland	229	62	167	3	14	32	30	13	7	0	
WEST VIRGINIA UNIVERSITY	West Virginia	222	71	151	3	9	26	36	18	8	0	
JOHNS HOPKINS UNIVERSITY THE	Maryland	201	53	148	0	4	18	22	21	28	5	
ST MARY'S COLLEGE OF MARYLAND	Maryland	185	42	143	1	3	13	25	34	23	2	
HAMPTON UNIVERSITY	Virginia	164	35	129	7	20	36	30	7	0	0	
MONTGOMERY COLLEGE-MD	Maryland	158	60	98	5	15	34	30	12	3	1	
DELAWARE STATE UNIVERSITY	Delaware	140	36	104	11	38	39	11	1	0	0	
UNIV OF VIRGINIA-MAIN CAMPUS	Virginia	135	21	114	1	2	7	11	35	41	3	
COPPIN STATE UNIVERSITY	Maryland	130	28	102	13	44	36	5	2	0	0	
GEORGETOWN UNIVERSITY	District of Columbia	128	38	90	0	5	20	22	23	28	2	
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	128	18	110	2	3	12	17	33	28	5	
MOUNT SAINT MARY'S UNIVERSITY	Maryland	127	28	99	2	7	28	34	22	8	0	
DREXEL UNIVERSITY	Pennsylvania	125	32	93	2	3	21	31	31	9	2	
YORK COLLEGE OF PENNSYLVANIA	Pennsylvania	125	25	100	2	11	24	37	23	3	0	
NEW YORK UNIVERSITY	New York	122	48	74	1	3	9	22	38	24	3	
LOYOLA UNIVERSITY MARYLAND	Maryland	118	31	87	2	3	29	30	26	10	0	
All Other Institutions		10,184	2,779	7,405	2	9	21	26	23	17	2	
<b>Total</b>		<b>19,782</b>	<b>5,560</b>	<b>14,222</b>	<b>3</b>	<b>10</b>	<b>22</b>	<b>26</b>	<b>22</b>	<b>15</b>	<b>2</b>	

# Section V

## Optional Writing Test Results

Total Students in Report: 11,924

**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>8,888</b>	<b>869,014</b>	<b>23.0</b>	<b>21.4</b>	<b>7.5</b>	<b>7.1</b>	<b>22.3</b>	<b>20.8</b>
African American/Black	2,065	107,638	18.0	16.4	6.8	6.4	17.9	16.4
American Indian/Alaska Native	28	6,232	21.5	18.9	7.1	6.6	20.9	18.4
Caucasian American/White	4,901	518,004	25.0	23.0	7.7	7.3	23.9	22.1
Hispanic	479	101,126	20.6	18.1	7.4	6.9	20.4	18.1
Asian American/Pacific Islander	634	49,922	25.3	23.6	7.9	7.7	24.3	22.9
Other/No Response	781	86,092	23.8	21.0	7.7	7.1	23.0	20.4
Males	3,746	384,152	23.0	21.1	7.2	6.9	22.0	20.3
Females	5,139	484,023	23.1	21.7	7.7	7.3	22.5	21.2
Missing	3	839	23.0	16.8	7.7	6.3	22.3	16.6





