

# ACT Profile Report - State

Graduating Class 2010  
Washington



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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

36% 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:** 12,897 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. 74% 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 4% of the cohort took less than three years of math courses. Of these students, 18% were college ready. 7% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 19% of these students were college ready. In comparison, 68% 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 12% of the cohort took less than three years of natural science courses. 20% of these students were college ready. In comparison, 45% 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 29% 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.

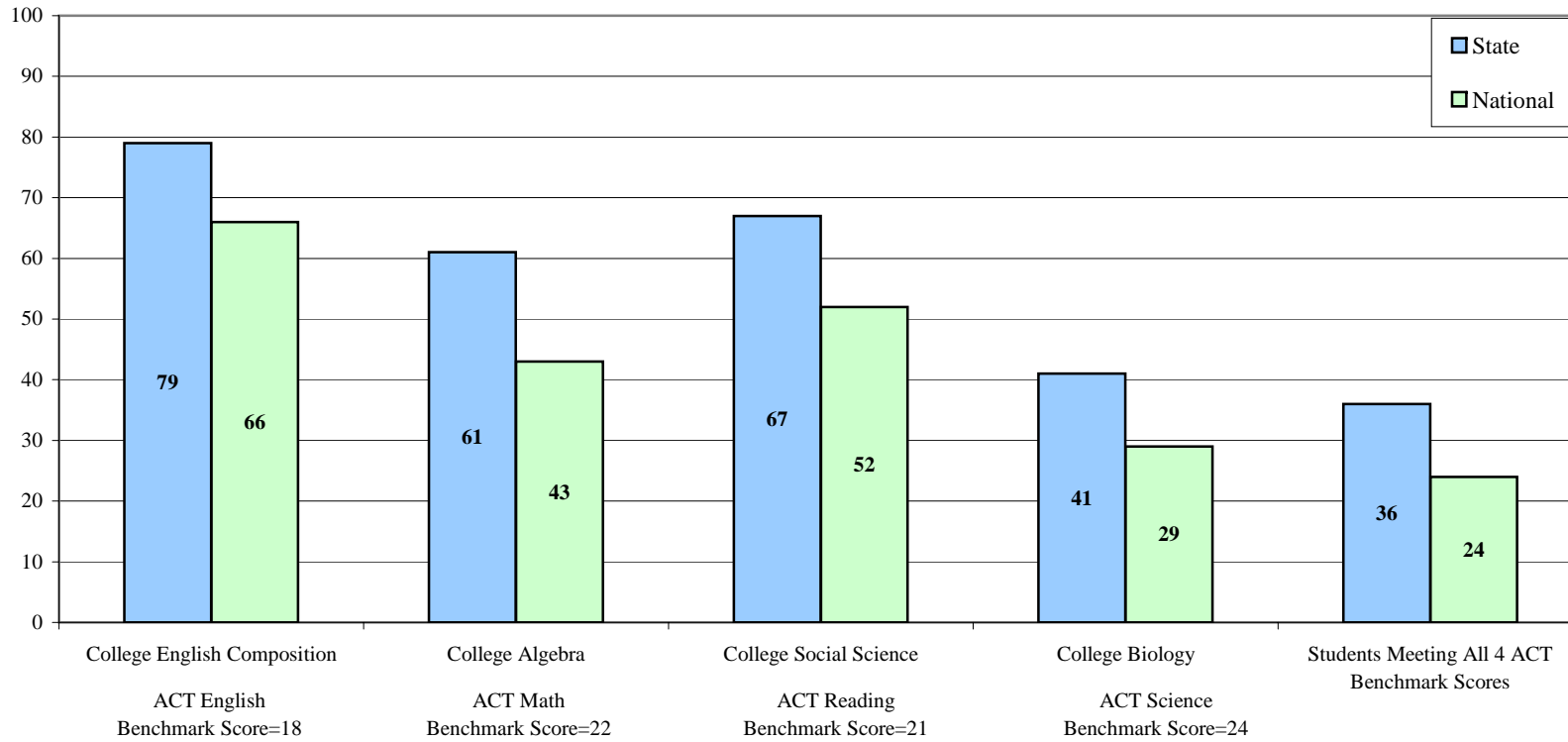
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 916-631-9200.

# Section I

## Executive Summary

Total Students in Report: 12,897

**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: 12,897

**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	9,685	1,206,455	80	69	57	42	67	53	38	27	32	21
2007	10,435	1,300,599	81	69	60	43	67	53	40	28	34	23
2008	11,951	1,421,941	81	68	61	43	68	53	40	28	34	22
2009	12,285	1,480,469	77	67	58	42	66	53	38	28	33	23
<b>2010</b>	<b>12,897</b>	<b>1,568,835</b>	<b>79</b>	<b>66</b>	<b>61</b>	<b>43</b>	<b>67</b>	<b>52</b>	<b>41</b>	<b>29</b>	<b>36</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	9,685	1,206,455	22.4	20.6	22.7	20.8	23.6	21.4	22.4	20.9	22.9	21.1
2007	10,435	1,300,599	22.7	20.7	23.0	21.0	23.7	21.5	22.6	21.0	23.1	21.2
2008	11,951	1,421,941	22.7	20.6	23.2	21.0	23.7	21.4	22.4	20.8	23.1	21.1
2009	12,285	1,480,469	22.4	20.6	22.9	21.0	23.5	21.4	22.1	20.9	22.8	21.1
<b>2010</b>	<b>12,897</b>	<b>1,568,835</b>	<b>22.6</b>	<b>20.5</b>	<b>23.1</b>	<b>21.0</b>	<b>23.5</b>	<b>21.3</b>	<b>22.5</b>	<b>20.9</b>	<b>23.0</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: 12,897

**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	4,287	3,899	44	40	23.2	21.5	23.4	21.8	24.2	22.8	23.0	21.7	23.6	22.1
2007	4,595	4,060	44	39	23.4	21.8	23.8	22.1	24.4	22.9	23.2	21.9	23.8	22.3
2008	7,027	3,850	59	32	23.4	21.5	23.8	22.0	24.3	22.7	22.9	21.5	23.7	22.1
2009	8,592	3,238	70	26	23.3	20.7	23.8	21.3	24.3	22.0	22.9	20.8	23.7	21.3
<b>2010</b>	<b>9,480</b>	<b>3,243</b>	<b>74</b>	<b>25</b>	<b>23.3</b>	<b>20.7</b>	<b>23.7</b>	<b>21.5</b>	<b>24.2</b>	<b>21.9</b>	<b>23.1</b>	<b>21.1</b>	<b>23.7</b>	<b>21.4</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.

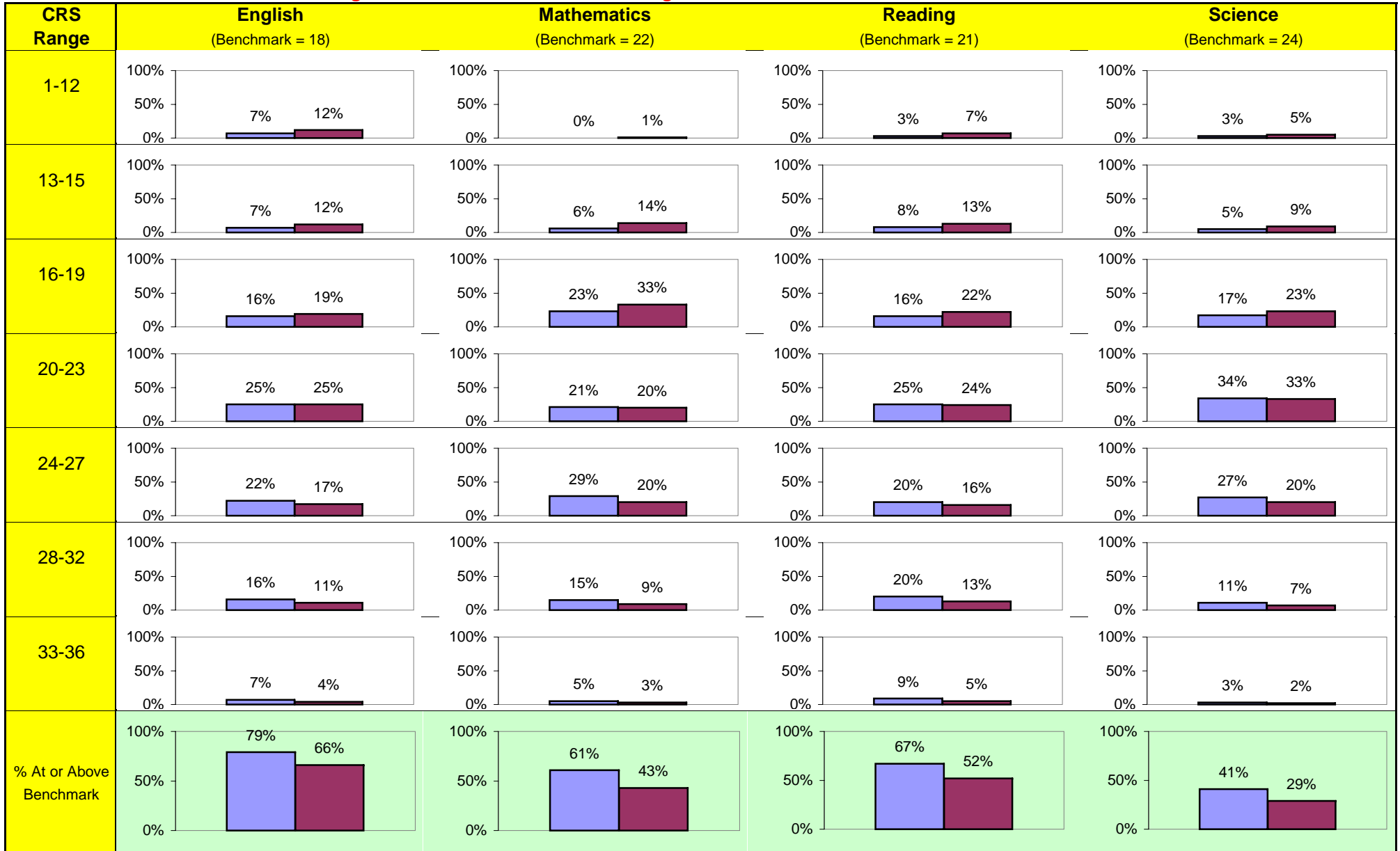
<sup>2</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**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>9,685</b>	<b>100</b>	<b>22.9</b>	<b>10,435</b>	<b>100</b>	<b>23.1</b>	<b>11,951</b>	<b>100</b>	<b>23.1</b>	<b>12,285</b>	<b>100</b>	<b>22.8</b>	<b>12,897</b>	<b>100</b>	<b>23.0</b>
African American/Black	316	3	18.3	302	3	18.4	456	4	17.9	528	4	17.5	517	4	18.1
American Indian/Alaska Native	83	1	20.5	100	1	21.1	106	1	20.2	138	1	19.6	145	1	20.5
Caucasian American/White	5,943	61	23.3	5,988	57	23.4	7,464	62	23.6	7,957	65	23.6	8,371	65	23.8
Hispanic	446	5	19.3	477	5	19.5	672	6	18.9	851	7	18.4	972	8	18.7
Asian American/Pacific Islander	768	8	22.7	869	8	23.2	1,153	10	23.3	1,337	11	23.2	1,462	11	23.3
Other/No Response	2,129	22	23.2	2,699	26	23.7	2,100	18	24.0	1,474	12	23.2	1,430	11	23.2

Total Students in Report: 12,897

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



State

National



# Section II

# Academic Achievement

Total Students in Report: 12,897

**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	64	100	63	100	162	100	62	100	12	100	36
35	217	100	159	100	201	99	116	100	60	100	35
34	305	98	199	98	417	97	97	99	138	99	34
33	296	95	225	97	381	94	154	98	183	98	33
32	276	93	286	95	446	91	63	97	239	97	32
31	344	91	276	93	498	88	258	96	359	95	31
30	422	88	363	91	527	84	287	94	478	92	30
29	407	85	373	88	490	80	327	92	556	89	29
28	610	82	624	85	625	76	452	89	639	84	28
27	525	77	734	80	564	71	639	86	726	79	27
26	752	73	917	74	571	67	713	81	798	74	26
25	731	67	1,020	67	695	62	1,121	75	922	68	25
24	819	62	1,082	59	715	57	1,058	67	929	60	24
23	742	55	808	51	754	51	1,201	59	985	53	23
22	834	50	766	45	852	45	965	49	897	46	22
21	919	43	543	39	744	39	1,076	42	906	39	21
20	785	36	655	35	816	33	1,101	33	828	32	20
19	649	30	644	29	550	27	707	25	676	25	19
18	454	25	672	25	471	22	697	19	616	20	18
17	399	21	849	19	582	19	430	14	491	15	17
16	529	18	829	13	398	14	335	11	448	11	16
15	423	14	494	6	349	11	274	8	327	8	15
14	322	11	207	2	404	8	206	6	262	5	14
13	188	8	67	1	239	5	225	4	196	3	13
12	171	7	18	1	187	3	113	3	131	2	12
11	236	6	16	1	135	2	92	2	59	1	11
10	172	4	4	1	67	1	68	1	22	1	10
9	139	2	1	1	20	1	29	1	7	1	9
8	88	1	1	1	12	1	13	1	3	1	8
7	39	1	0	1	11	1	8	1	1	1	7
6	29	1	2	1	5	1	4	1	2	1	6
5	7	1	0	1	5	1	3	1	0	1	5
4	3	1	0	1	2	1	0	1	1	1	4
3	1	1	0	1	0	1	1	1	0	1	3
2	0	1	0	1	2	1	0	1	0	1	2
1	0	1	0	1	0	1	2	1	0	1	1
<b>Avg (SD)</b>	22.6 (6.3)		23.1 (5.3)		23.5 (6.3)		22.5 (5.0)		23.0 (5.1)		<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: 12,897

**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	787	100	264	100	577	100	669	100	898	100	228	100	202	100	18
17	704	94	164	98	886	96	1,600	95	988	93	244	98	150	98	17
16	866	88	1,069	97	1,146	89	936	82	1,002	85	623	96	656	97	16
15	982	82	1,295	88	1,031	80	1,359	75	1,058	78	663	92	1,210	92	15
14	890	74	1,202	78	943	72	836	65	1,154	69	1,603	86	1,545	83	14
13	992	67	1,366	69	932	64	1,207	58	1,043	60	1,575	74	1,774	71	13
12	1,027	60	1,594	58	1,320	57	1,043	49	1,317	52	1,618	62	1,579	57	12
11	1,076	52	1,588	46	1,098	47	1,333	41	1,170	42	1,706	49	1,343	45	11
10	1,439	43	1,108	34	1,157	38	870	30	1,071	33	1,560	36	1,612	34	10
9	1,090	32	1,115	25	1,373	30	679	24	916	25	1,443	24	1,006	22	9
8	752	24	769	17	848	19	727	18	1,001	18	799	13	831	14	8
7	741	18	505	11	757	12	478	13	769	10	389	6	318	8	7
6	568	12	225	7	377	6	522	9	339	4	126	3	303	5	6
5	390	8	249	5	242	4	397	5	94	1	173	2	159	3	5
4	318	5	230	3	85	2	163	2	48	1	43	1	65	2	4
3	170	2	122	1	79	1	46	1	23	1	80	1	72	1	3
2	93	1	26	1	34	1	27	1	6	1	2	1	57	1	2
1	12	1	6	1	12	1	5	1	0	1	22	1	15	1	1
Avg (SD)	11.4 (3.9)		11.6 (3.2)		11.8 (3.6)		12.3 (3.8)		12.3 (3.5)		11.6 (2.8)		11.7 (3.0)		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	27	28	25	27
Q2 (50th Percentile)	23	23	23	23	23
Q1 (25th Percentile)	19	19	19	20	19

Total Students in Report: 12,897

**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>12,897</b>	<b>74</b>	<b>23.7</b>	<b>21.4</b>
	African American/Black	517	70	18.5	17.2
	American Indian/Alaska Native	145	67	21.8	18.1
	Caucasian American/White	8,371	75	24.4	22.5
	Hispanic	972	59	19.7	17.3
	Asian American/Pacific Islander	1,462	76	23.7	22.1
	Other/No Response	1,430	72	24.0	21.4
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>	22.6	23.1	23.5	22.5	23.0
	African American/Black	17.1	18.4	18.2	18.2	18.1
	American Indian/Alaska Native	19.1	20.7	21.2	20.6	20.5
	Caucasian American/White	23.6	23.6	24.5	23.2	23.8
	Hispanic	17.2	19.3	19.1	18.9	18.7
	Asian American/Pacific Islander	22.3	24.5	22.9	22.7	23.3
	Other/No Response	22.8	23.1	23.7	22.5	23.2
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: 12,897

**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	882	7	646	5	1,161	9	429	3
	28 to 32	2,059	16	1,922	15	2,586	20	1,387	11
	24 to 27	2,827	22	3,753	29	2,545	20	3,531	27
	20 to 23	3,280	25	2,772	21	3,166	25	4,343	34
	16 to 19	2,031	16	2,994	23	2,001	16	2,169	17
	13 to 15	933	7	768	6	992	8	705	5
	01 to 12	885	7	42	0	446	3	333	3
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	5,558	43	22.3	24.1	23.6	23.3	23.4
	Females	7,334	57	22.8	22.3	23.5	21.9	22.7
	Missing	5	0	21.4	21.6	22.0	20.4	21.6
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	78	68	67	49	42
	Females	80	56	67	36	31
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 12,897

**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>	9,480	83	23.3	67	23.7	71	24.2	46	23.1	40	23.7
	Less than Core	3,243	68	20.7	47	21.5	57	21.9	31	21.1	26	21.4
	Missing <sup>3</sup>	174	27	15.1	14	17.4	21	17.0	6	16.4	3	16.6
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>	12,499	80	22.7	12,154	64	23.4	10,968	68	23.7	11,178	45	23.0
	Less than Core	272	54	18.5	580	18	17.9	1,800	62	22.7	1,584	20	19.7
	Missing <sup>3</sup>	126	28	15.3	163	14	17.3	129	21	16.9	135	6	16.3
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.

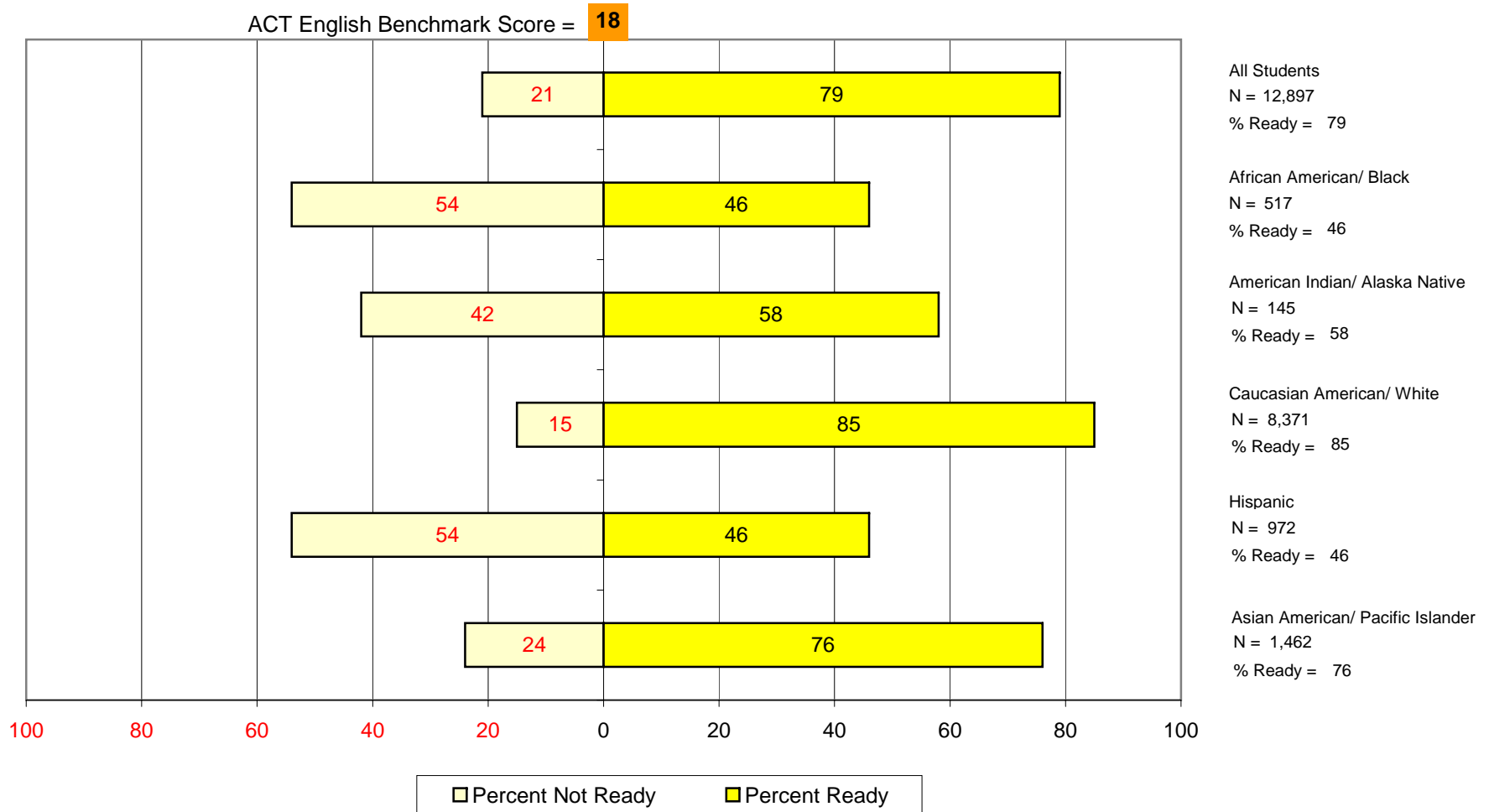
<sup>3</sup> Zero years or no coursework information reported in the specified content area.

# Section III

## College Readiness and the Impact of Course Rigor

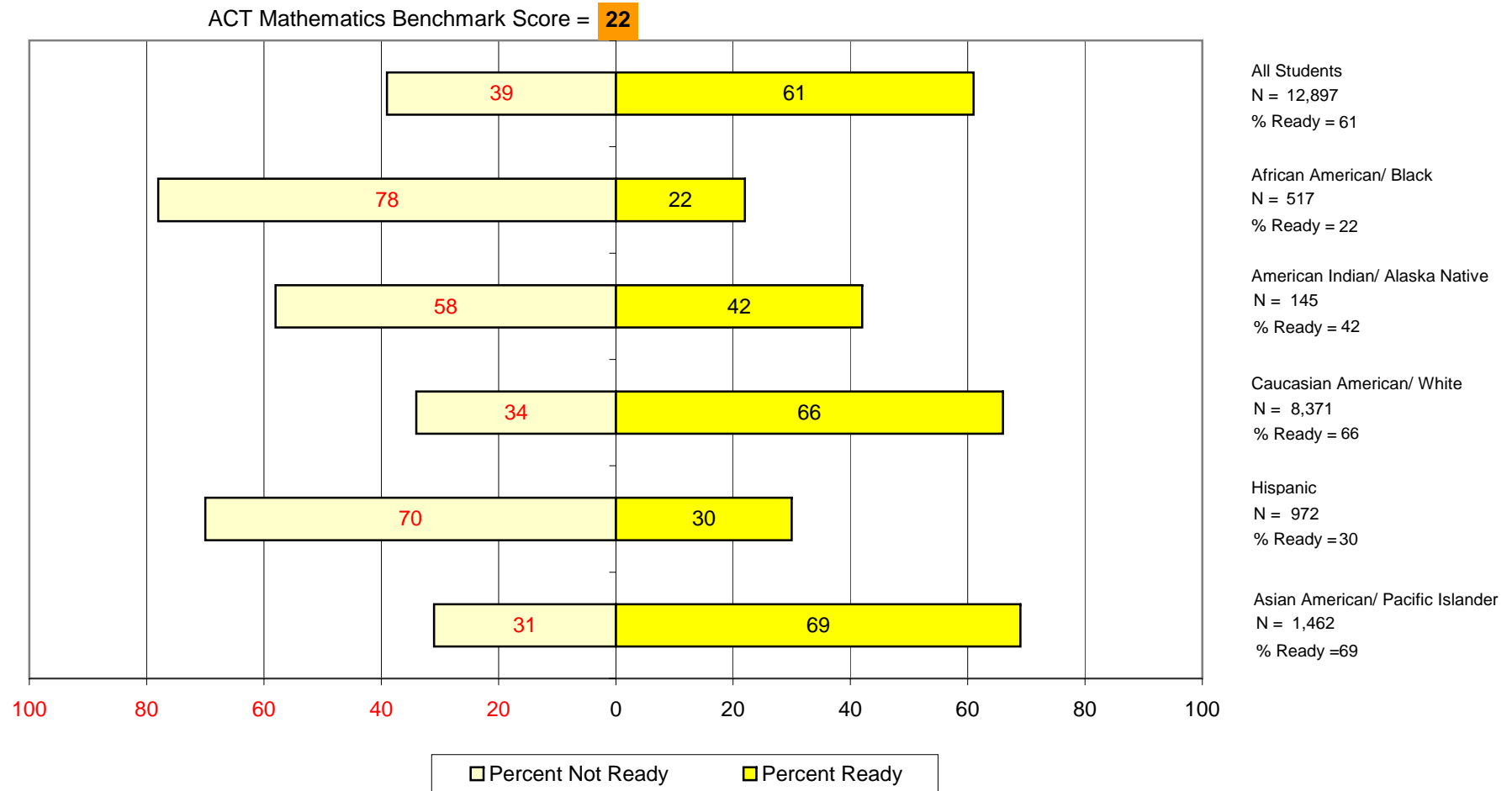
Total Students in Report: 12,897

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



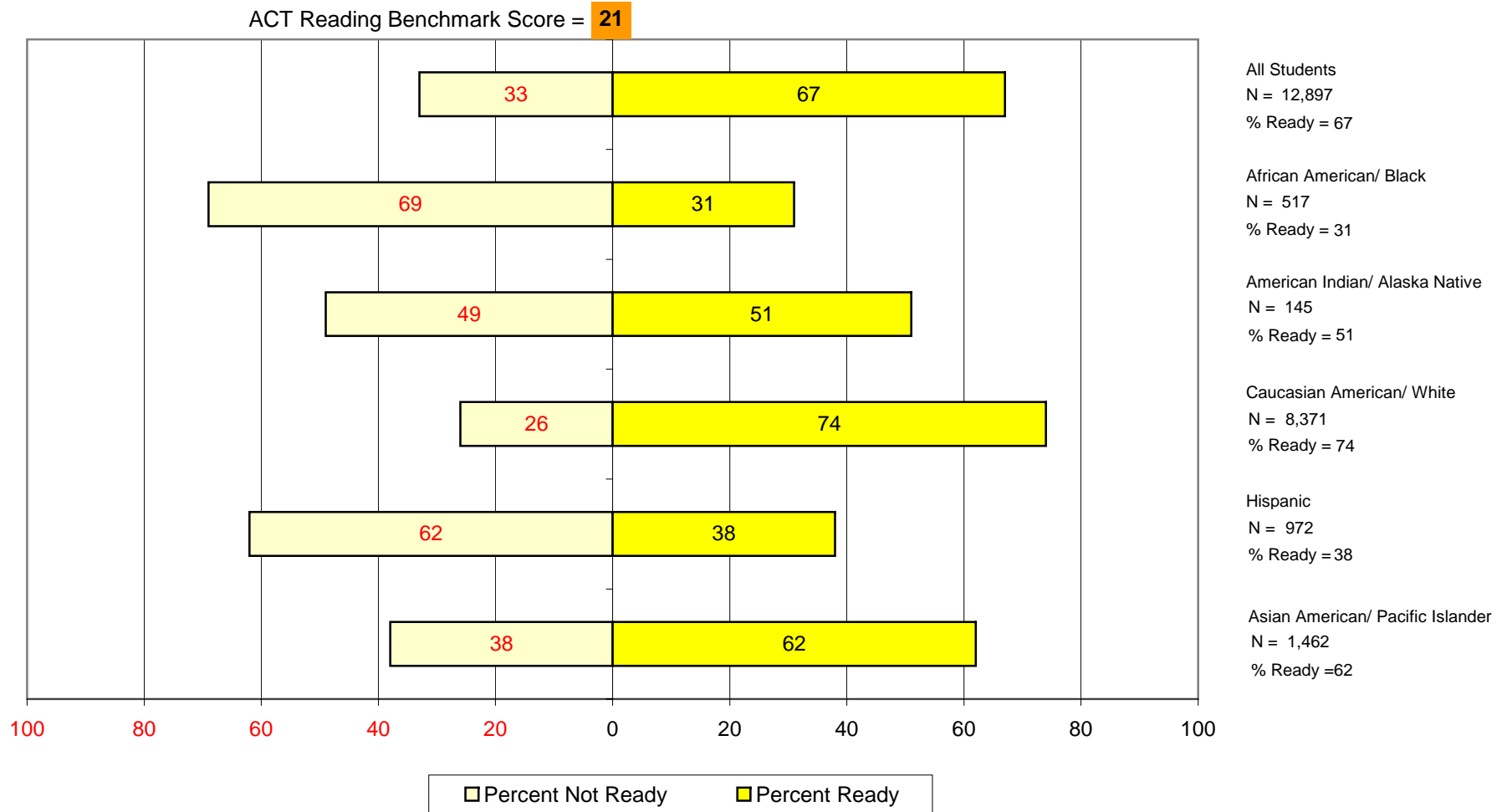
Total Students in Report: 12,897

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



Total Students in Report: 12,897

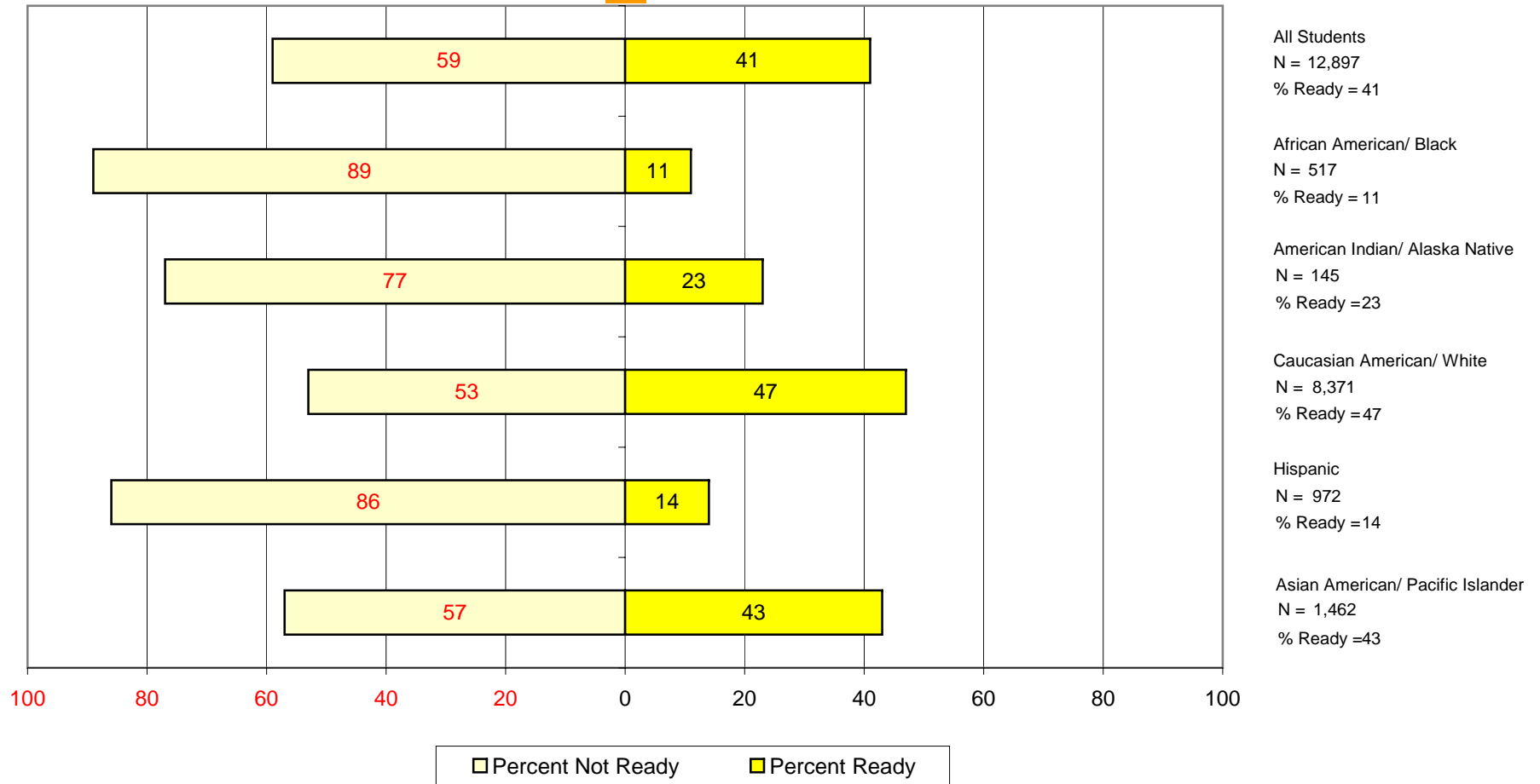
**Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING**



Total Students in Report: 12,897

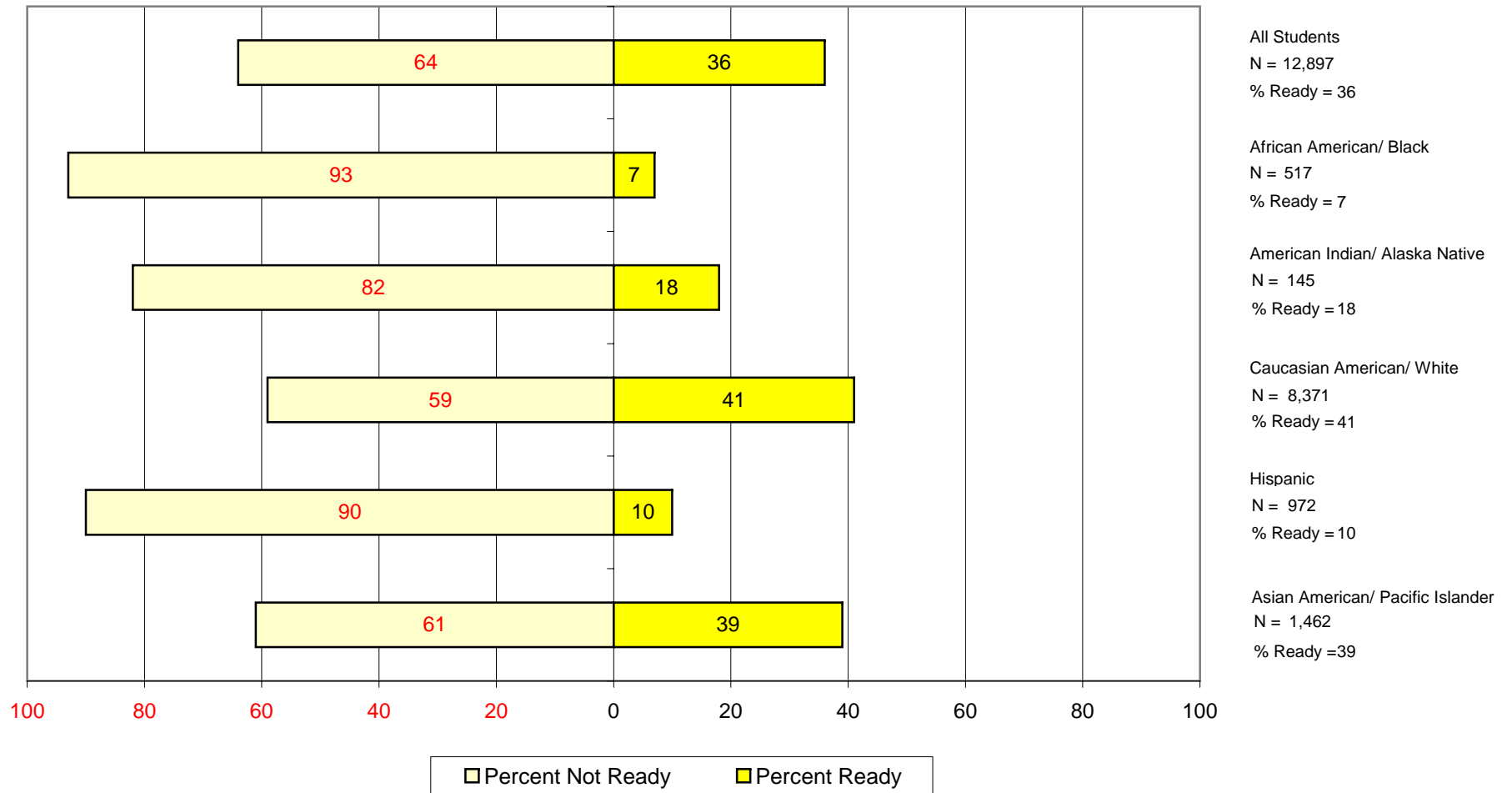
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24



Total Students in Report: 12,897

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





Total Students in Report: 12,897

**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	3,449	27	22.8	4.3	1,411	25	22.4	3.3	2,038	28	23.0	4.9
Eng 9, Eng 10, Eng 11, Eng 12	9,050	70	22.7	4.2	3,980	72	22.5	3.4	5,068	69	22.9	4.8
Less than 4 years of English	272	2	18.5	-	107	2	19.1	-	163	2	18.1	-
Zero years / no English courses reported	126	1	15.3	-	60	1	15.3	-	65	1	15.3	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	1,342	10	25.5	7.6	610	11	26.4	7.7	732	10	24.8	7.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,520	12	22.3	4.4	561	10	23.1	4.4	958	13	21.9	4.6
Alg 1, Alg 2, Geom, & Trig	786	6	20.4	2.5	300	5	21.1	2.4	486	7	20.0	2.7
Alg 1, Alg 2, Geom, & Other Adv Math	1,201	9	21.0	3.1	451	8	21.5	2.8	750	10	20.8	3.5
Other comb of 4 or more years of Math	5,809	45	25.0	7.1	2,749	49	25.9	7.2	3,059	42	24.2	6.9
Alg 1, Alg 2, & Geom	909	7	18.4	0.5	339	6	18.9	0.2	570	8	18.1	0.8
Other comb of 3 or 3.5 years of Math	587	5	22.2	4.3	229	4	22.9	4.2	357	5	21.8	4.5
Less than 3 years of Math	580	4	17.9	-	240	4	18.7	-	339	5	17.3	-
Zero years / no Math courses reported	163	1	17.3	-	79	1	17.1	-	83	1	17.5	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	1,711	13	24.5	1.8	780	14	24.2	1.6	931	13	24.8	2.0
Other comb of 4 or more years Social Science	5,312	41	23.6	0.9	2,242	40	23.7	1.1	3,067	42	23.6	0.8
US Hist, World Hist, & Am Gov	1,185	9	23.5	0.8	550	10	23.6	1.0	635	9	23.3	0.5
Other comb of 3 or 3.5 years of Social Science	2,760	21	23.6	0.9	1,149	21	23.8	1.2	1,611	22	23.5	0.7
Less than 3 years of Social Science	1,800	14	22.7	-	776	14	22.6	-	1,023	14	22.8	-
Zero years / no Social Science courses reported	129	1	16.9	-	61	1	16.8	-	67	1	17.1	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	6,251	48	23.6	3.9	2,997	54	24.4	4.5	3,253	44	22.9	3.4
Bio, Chem, Phys	885	7	24.5	4.8	403	7	25.5	5.6	482	7	23.7	4.2
Gen Sci <sup>2</sup> , Bio, Chem	3,396	26	21.6	1.9	1,136	20	21.9	2.0	2,259	31	21.4	1.9
Other comb of 3 years of Natural Science	646	5	22.0	2.3	338	6	22.7	2.8	307	4	21.1	1.6
Less than 3 years of Natural Science	1,584	12	19.7	-	620	11	19.9	-	963	13	19.5	-
Zero years / no Natural Science courses reported	135	1	16.3	-	64	1	16.1	-	70	1	16.5	-

<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: 12,897

**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	3,449	27	22.8	80	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	9,050	70	22.7	80	1,096,437	70	20.5	66
Less than 4 years of English	272	2	18.5	54	74,180	5	16.4	39
Zero years / no English courses reported	126	1	15.3	28	43,106	3	15.7	34
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	1,342	10	25.5	81	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,520	12	22.3	60	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	786	6	20.4	42	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	1,201	9	21.0	47	239,289	15	20.0	36
Other comb of 4 or more years of Math	5,809	45	25.0	75	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	909	7	18.4	19	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	587	5	22.2	56	74,720	5	19.9	35
Less than 3 years of Math	580	4	17.9	18	97,949	6	16.4	7
Zero years / no Math courses reported	163	1	17.3	14	47,380	3	17.5	16
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	1,711	13	24.5	73	47,523	3	22.6	60
Other comb of 4 or more years Social Science	5,312	41	23.6	68	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	1,185	9	23.5	66	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	2,760	21	23.6	67	439,520	28	21.2	51
Less than 3 years of Social Science	1,800	14	22.7	62	156,679	10	19.5	39
Zero years / no Social Science courses reported	129	1	16.9	21	45,555	3	17.3	25
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	6,251	48	23.6	51	620,765	40	22.2	40
Bio, Chem, Phys	885	7	24.5	59	152,001	10	23.2	48
Gen Sci <sup>1</sup> , Bio, Chem	3,396	26	21.6	31	474,375	30	20.1	21
Other comb of 3 years of Natural Science	646	5	22.0	36	43,231	3	19.7	21
Less than 3 years of Natural Science	1,584	12	19.7	20	231,566	15	18.3	12
Zero years / no Natural Science courses reported	135	1	16.3	6	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: 12,897

**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	118	1	20.5	9	3	17.1	94	1	21.1
Architecture & Environmental Design	260	2	22.9	3	1	18.0	233	2	23.1
Business & Management	1,376	11	22.4	24	9	17.7	1,233	11	22.5
Business & Office	67	1	19.4	6	2	13.2	54	0	19.9
Marketing & Distribution	128	1	21.6	1	0	17.0	114	1	21.6
Communications & Comm. Technologies	371	3	22.7	5	2	18.6	346	3	22.8
Community & Personal Services	167	1	19.7	12	5	17.8	149	1	19.9
Computer & Information Sciences	264	2	24.4	8	3	20.4	227	2	24.6
Cross-Disciplinary Studies	64	0	24.5	0	0	.	58	1	24.3
Education	474	4	22.0	8	3	14.9	435	4	22.1
Teacher Education	271	2	21.0	5	2	14.2	254	2	21.2
Engineering	744	6	25.0	10	4	14.1	680	6	25.2
Engineering-Related Technologies	463	4	23.9	3	1	15.7	422	4	24.0
Foreign Languages	112	1	24.1	3	1	19.7	96	1	24.1
Health Sciences & Allied Health Fields	2,293	18	22.3	47	18	16.4	2,117	19	22.4
Human, Family & Consumer Science	92	1	20.3	7	3	15.6	74	1	20.7
Letters	106	1	25.6	2	1	20.5	96	1	25.8
Mathematics	133	1	26.3	0	0	.	122	1	26.6
Philosophy, Religion & Theology	88	1	23.5	1	0	27.0	75	1	23.1
Sciences (Biological & Physical)	1,168	9	25.1	3	1	16.3	1,087	10	25.2
Social Sciences	940	7	23.7	6	2	17.8	869	8	23.7
Trade & Industrial	61	0	19.8	21	8	17.0	33	0	21.4
Visual & Performing Arts	746	6	22.6	20	8	18.3	659	6	22.8
Undecided	2,149	17	23.7	51	20	16.7	1,751	15	23.9
No Response	242	2	16.6	4	2	13.8	29	0	20.2

<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: 12,897

**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	57	16.1	1	13.0	0	.	42	16.9	9	14.3	2	13.5	3	13.3
2-yr College Degree	202	17.1	10	13.8	3	15.7	122	18.6	40	14.2	7	15.1	20	16.5
Bachelors Degree	4,568	21.7	174	17.5	63	19.6	3,215	22.5	335	18.1	370	20.6	411	21.2
Graduate Study	3,018	24.6	87	19.6	31	21.6	2,106	25.0	159	21.0	315	24.5	320	24.9
Prof. Level Degree	3,721	24.3	182	18.6	36	22.7	2,148	25.3	294	19.6	580	24.9	481	24.3
Other	195	20.1	6	15.0	3	15.3	117	21.5	17	16.2	27	18.9	25	19.0
No Response	1,136	22.2	57	16.8	9	18.0	621	23.6	118	17.2	161	22.1	170	22.9

Total Students in Report: 12,897

**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 WASHINGTON	Washington	2,901	1,330	1,571	1	4	13	26	29	23	3	
WASHINGTON STATE UNIVERSITY	Washington	2,038	585	1,453	1	7	21	35	25	10	1	
WESTERN WASHINGTON UNIVERSITY	Washington	1,503	370	1,133	1	5	17	33	28	15	1	
CENTRAL WASHINGTON UNIVERSITY	Washington	999	305	694	3	10	28	34	18	6	0	
EASTERN WASHINGTON UNIVERSITY	Washington	882	230	652	3	13	31	32	16	5	0	
GONZAGA UNIVERSITY	Washington	659	150	509	2	3	15	29	32	18	1	
BRIGHAM YOUNG UNIVERSITY	Utah	618	446	172	0	1	10	32	32	22	4	
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	576	175	401	0	2	13	37	30	16	1	
SEATTLE UNIVERSITY	Washington	550	98	452	2	8	20	32	26	11	1	
SEATTLE PACIFIC UNIVERSITY	Washington	436	114	322	1	8	20	28	27	15	1	
OREGON STATE UNIVERSITY	Oregon	344	42	302	0	3	15	31	34	16	1	
PACIFIC LUTHERAN UNIVERSITY	Washington	322	74	248	1	8	18	30	26	16	1	
WHITWORTH UNIVERSITY	Washington	309	91	218	1	6	17	29	31	16	1	
UNIVERSITY OF OREGON	Oregon	307	55	252	0	4	13	32	34	17	1	
UNIVERSITY OF PORTLAND	Oregon	307	62	245	0	2	11	26	40	19	2	
STANFORD UNIVERSITY	California	260	73	187	0	1	2	10	25	49	14	
UNIVERSITY OF IDAHO	Idaho	245	60	185	1	5	20	36	24	13	0	
NCAA ELIGIBILITY CENTER	Indiana	230	130	100	0	4	23	26	30	14	2	
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	173	47	126	1	3	14	32	34	16	1	
UNIVERSITY OF SOUTHERN CALIFORNIA	California	159	29	130	1	1	9	16	32	33	8	
WHITMAN COLLEGE	Washington	158	24	134	0	2	6	20	30	36	7	
BRIGHAM YOUNG UNIVERSITY-HAWAII CAMPUS	Hawaii	152	10	142	0	2	13	34	33	17	1	
EVERGREEN STATE COLLEGE THE	Washington	150	55	95	2	9	25	28	21	13	1	
UNIVERSITY OF CALIFORNIA-LOS ANGELES	California	147	12	135	1	3	10	30	25	29	2	
UNIVERSITY OF PUGET SOUND	Washington	147	25	122	1	8	15	24	33	20	0	
BOISE STATE UNIVERSITY	Idaho	134	41	93	1	4	24	40	22	7	1	
UNIVERSITY OF CALIFORNIA-BERKELEY	California	133	21	112	0	1	5	16	32	41	6	
UNIVERSITY OF WASHINGTON BOTHELL	Washington	133	23	110	4	8	17	38	25	8	1	
UNIVERSITY OF WASHINGTON TACOMA	Washington	124	24	100	4	9	27	27	23	10	1	
WALLA WALLA UNIVERSITY	Washington	121	83	38	1	6	22	28	26	16	1	
All Other Institutions		7,974	2,113	5,861	2	5	15	26	27	22	4	
<b>Total</b>		<b>23,191</b>	<b>6,897</b>	<b>16,294</b>	<b>1</b>	<b>5</b>	<b>17</b>	<b>29</b>	<b>27</b>	<b>18</b>	<b>3</b>	

# Section V Optional Writing Test Results

**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>9,984</b>	<b>869,014</b>	<b>23.1</b>	<b>21.4</b>	<b>7.7</b>	<b>7.1</b>	<b>22.5</b>	<b>20.8</b>
African American/Black	404	107,638	17.5	16.4	7.0	6.4	17.7	16.4
American Indian/Alaska Native	114	6,232	19.5	18.9	7.1	6.6	19.3	18.4
Caucasian American/White	6,232	518,004	24.2	23.0	7.8	7.3	23.4	22.1
Hispanic	788	101,126	17.6	18.1	7.1	6.9	18.0	18.1
Asian American/Pacific Islander	1,291	49,922	22.8	23.6	7.8	7.7	22.4	22.9
Other/No Response	1,155	86,092	23.4	21.0	7.8	7.1	22.8	20.4
Males	4,197	384,152	22.9	21.1	7.5	6.9	22.2	20.3
Females	5,783	484,023	23.2	21.7	7.8	7.3	22.7	21.2
Missing	4	839	24.5	16.8	7.3	6.3	23.3	16.6





