

# ACT Profile Report - State

Graduating Class 2009  
Arizona





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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.

Total Students in Report: 12,550

**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

26% 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:** 12,550 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. 79% 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 3% of the cohort took less than three years of math courses. Of these students, 11% were college ready. 9% of the cohort reported taking the minimum math core (Algebra I, Algebra II, and Geometry). 14% 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 14% of the cohort took less than three years of natural science courses. 20% of these students were college ready. In comparison, 32% 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 36% 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.

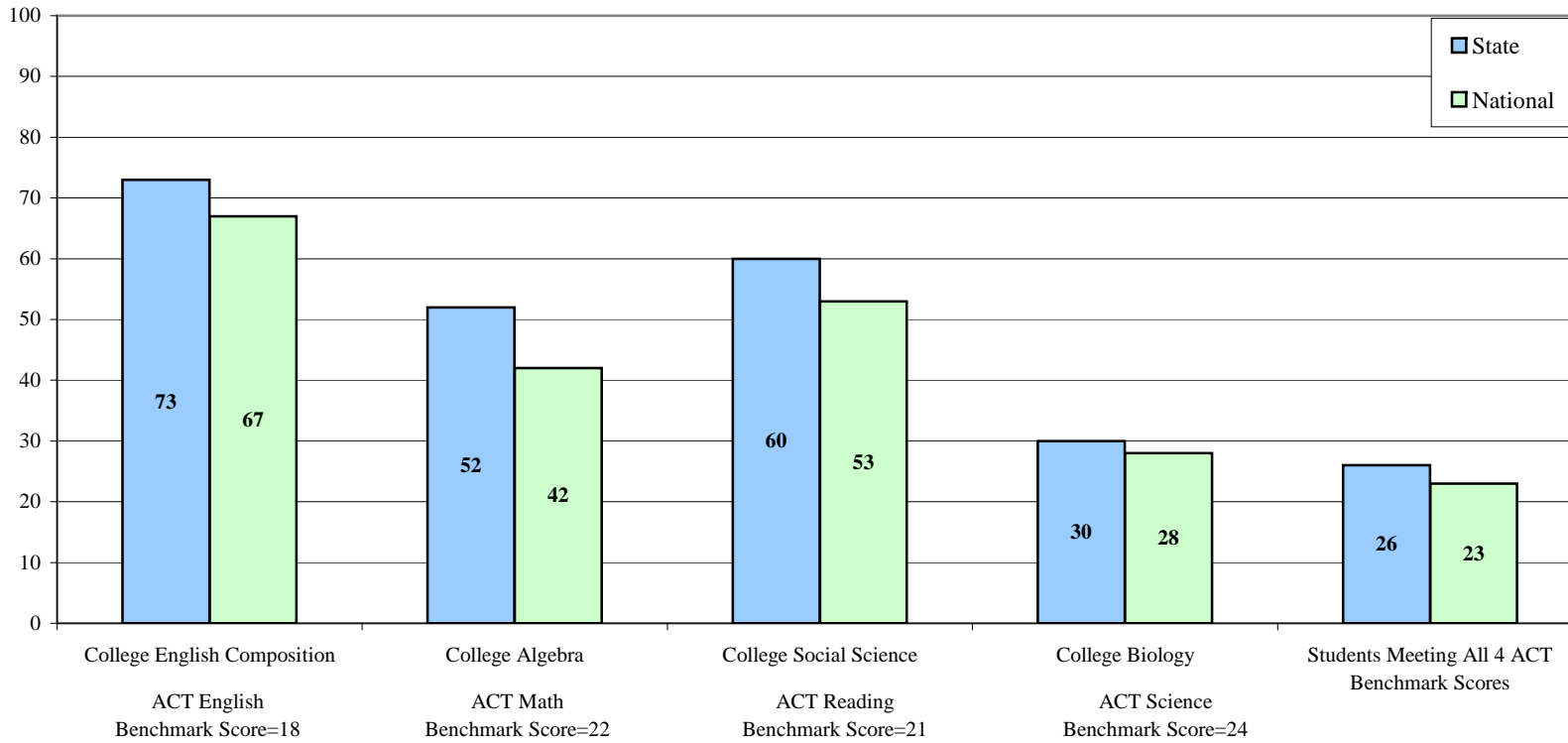
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 916-631-9200.

# Section I

## Executive Summary

Total Students in Report: 12,550

**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: 12,550

**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	10,470	1,186,251	71	68	48	41	56	51	28	26	23	21
2006	10,740	1,206,455	72	69	51	42	57	53	29	27	24	21
2007	11,084	1,300,599	73	69	52	43	58	53	29	28	25	23
2008	11,602	1,421,941	74	68	52	43	60	53	30	28	25	22
<b>2009</b>	<b>12,550</b>	<b>1,480,469</b>	<b>73</b>	<b>67</b>	<b>52</b>	<b>42</b>	<b>60</b>	<b>53</b>	<b>30</b>	<b>28</b>	<b>26</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	10,470	1,186,251	20.9	20.4	21.7	20.7	21.9	21.3	21.2	20.9	21.5	20.9
2006	10,740	1,206,455	20.9	20.6	21.9	20.8	22.0	21.4	21.3	20.9	21.6	21.1
2007	11,084	1,300,599	21.1	20.7	21.9	21.0	22.2	21.5	21.4	21.0	21.8	21.2
2008	11,602	1,421,941	21.3	20.6	22.1	21.0	22.3	21.4	21.3	20.8	21.9	21.1
<b>2009</b>	<b>12,550</b>	<b>1,480,469</b>	<b>21.3</b>	<b>20.6</b>	<b>22.1</b>	<b>21.0</b>	<b>22.4</b>	<b>21.4</b>	<b>21.3</b>	<b>20.9</b>	<b>21.9</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: 12,550

**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	6,232	3,127	60	30	21.5	19.8	22.3	20.6	22.5	20.9	21.7	20.4	22.1	20.5
2006	6,169	3,301	57	31	21.4	19.9	22.5	21.0	22.5	21.2	21.8	20.6	22.2	20.8
2007	6,094	3,475	55	31	21.6	20.0	22.4	20.9	22.6	21.3	21.8	20.6	22.2	20.9
2008	7,900	2,880	68	25	21.8	20.0	22.6	20.9	22.7	21.3	21.7	20.2	22.3	20.7
<b>2009</b>	<b>9,883</b>	<b>2,542</b>	<b>79</b>	<b>20</b>	<b>21.8</b>	<b>19.6</b>	<b>22.6</b>	<b>20.5</b>	<b>22.8</b>	<b>20.9</b>	<b>21.8</b>	<b>19.9</b>	<b>22.4</b>	<b>20.4</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**

	2005			2006			2007			2008			2009		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>10,470</b>	<b>100</b>	<b>21.5</b>	<b>10,740</b>	<b>100</b>	<b>21.6</b>	<b>11,084</b>	<b>100</b>	<b>21.8</b>	<b>11,602</b>	<b>100</b>	<b>21.9</b>	<b>12,550</b>	<b>100</b>	<b>21.9</b>
African American/Black	408	4	18.8	386	4	18.4	373	3	18.7	444	4	18.6	544	4	18.5
American Indian/Alaska Native	1,023	10	16.7	920	9	16.8	1,004	9	16.9	875	8	16.8	920	7	17.2
Caucasian American/White	5,853	56	22.9	5,727	53	22.9	5,570	50	23.0	6,478	56	23.1	7,111	57	23.3
Hispanic	1,601	15	19.7	1,644	15	19.8	1,650	15	19.8	1,826	16	20.0	2,244	18	19.8
Asian American/Pacific Islander	392	4	22.9	387	4	22.9	378	3	23.2	446	4	23.4	540	4	23.5
Other/No Response	1,193	11	22.1	1,676	16	22.1	2,109	19	22.6	1,533	13	22.5	1,191	9	22.2

# Section II

# Academic Achievement

Total Students in Report: 12,550

**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	30	100	31	100	139	100	20	100	4	100	36
35	114	100	71	100	54	99	48	100	19	100	35
34	196	99	127	99	208	98	63	99	52	100	34
33	179	97	189	98	336	97	81	99	120	99	33
32	185	96	164	97	284	94	82	98	169	98	32
31	224	94	228	95	412	92	143	98	214	97	31
30	299	93	184	94	481	89	180	97	315	95	30
29	305	90	397	92	356	85	224	95	380	93	29
28	429	88	500	89	458	82	289	93	424	90	28
27	370	84	568	85	525	78	373	91	579	86	27
26	605	81	867	80	471	74	544	88	650	82	26
25	736	77	802	73	510	70	1,002	84	813	77	25
24	712	71	961	67	747	66	755	76	879	70	24
23	784	65	809	59	784	60	1,010	70	917	63	23
22	885	59	648	53	780	54	1,056	62	982	56	22
21	965	52	809	48	989	48	1,108	53	943	48	21
20	864	44	680	41	753	40	1,356	44	923	41	20
19	699	37	760	36	807	34	1,089	34	847	33	19
18	563	32	817	30	486	28	919	25	826	26	18
17	593	27	1,003	23	690	24	447	18	764	20	17
16	615	22	1,069	15	613	18	488	14	580	14	16
15	604	18	580	7	466	13	354	10	478	9	15
14	378	13	222	2	489	10	277	7	332	5	14
13	305	10	42	1	311	6	239	5	184	3	13
12	277	7	16	1	194	3	161	3	99	1	12
11	211	5	3	1	123	2	119	2	40	1	11
10	189	3	2	1	45	1	60	1	10	1	10
9	126	2	0	1	15	1	41	1	4	1	9
8	57	1	0	1	9	1	7	1	1	1	8
7	33	1	0	1	8	1	5	1	1	1	7
6	11	1	1	1	5	1	8	1	1	1	6
5	5	1	0	1	1	1	0	1	0	1	5
4	1	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	2	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	1	1	0	1	0	1	0	1	0	1	1
<b>Avg (SD)</b>	21.3 (6.0)		22.1 (5.0)		22.4 (6.0)		21.3 (4.7)		21.9 (4.8)		<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: 12,550

**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	472	100	133	100	437	100	703	100	532	100	114	100	116	100	18
17	520	96	145	99	495	97	476	94	844	96	161	99	82	99	17
16	574	92	706	98	706	93	1,109	91	726	89	430	98	489	98	16
15	731	88	836	92	964	87	1,203	82	914	83	526	94	788	95	15
14	705	82	999	85	910	79	1,094	72	990	76	1,560	90	1,043	88	14
13	928	76	1,214	78	965	72	799	63	1,030	68	1,152	78	1,761	80	13
12	1,067	69	1,629	68	1,240	64	1,013	57	1,376	60	1,721	69	1,161	66	12
11	1,154	60	1,444	55	1,242	54	1,201	49	1,234	49	1,609	55	1,654	57	11
10	1,448	51	1,519	43	1,301	45	981	39	1,166	39	2,245	42	1,723	43	10
9	1,339	39	1,270	31	1,426	34	857	32	1,004	30	1,291	24	1,381	30	9
8	919	29	1,032	21	1,085	23	1,109	25	1,233	22	825	14	1,085	19	8
7	914	21	678	13	906	14	705	16	1,048	12	425	7	431	10	7
6	732	14	322	8	464	7	565	10	336	4	219	4	394	7	6
5	492	8	312	5	229	3	483	6	69	1	153	2	224	4	5
4	333	4	201	2	73	1	158	2	32	1	46	1	110	2	4
3	168	2	90	1	74	1	69	1	12	1	49	1	77	1	3
2	48	1	16	1	25	1	25	1	4	1	9	1	17	1	2
1	6	1	4	1	8	1	0	1	0	1	15	1	14	1	1
<b>Avg (SD)</b>	10.7 (3.7)		11.0 (3.1)		11.3 (3.4)		11.6 (3.8)		11.7 (3.4)		11.2 (2.7)		11.0 (2.9)		<b>Avg (SD)</b>

<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)	25	26	27	24	25
Q2 (50th Percentile)	21	22	22	21	22
Q1 (25th Percentile)	17	18	18	19	18

Total Students in Report: 12,550

**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>12,550</b>	<b>79</b>	<b>22.4</b>	<b>20.4</b>
	African American/Black	544	76	18.9	17.2
	American Indian/Alaska Native	920	64	18.0	15.9
	Caucasian American/White	7,111	81	23.6	22.1
	Hispanic	2,244	77	20.1	18.7
	Asian American/Pacific Islander	540	83	23.8	22.2
	Other/No Response	1,191	78	22.6	21.0
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>	21.3	22.1	22.4	21.3	21.9
	African American/Black	17.6	18.6	18.7	18.4	18.5
	American Indian/Alaska Native	15.3	18.0	17.3	17.8	17.2
	Caucasian American/White	23.0	23.3	23.9	22.5	23.3
	Hispanic	18.7	20.2	20.1	19.5	19.8
	Asian American/Pacific Islander	22.9	25.0	23.0	22.8	23.5
	Other/No Response	21.8	22.2	22.8	21.5	22.2
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: 12,550

**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	519	4	418	3	737	6	212	2
	28 to 32	1,442	11	1,473	12	1,991	16	918	7
	24 to 27	2,423	19	3,198	25	2,253	18	2,674	21
	20 to 23	3,498	28	2,946	23	3,306	26	4,530	36
	16 to 19	2,470	20	3,649	29	2,596	21	2,943	23
	13 to 15	1,287	10	844	7	1,266	10	870	7
	01 to 12	911	7	22	0	401	3	403	3
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	5,502	44	21.1	23.1	22.5	22.0	22.3
	Females	7,018	56	21.5	21.4	22.3	20.8	21.6
	Missing	30	0	22.0	22.9	22.1	22.0	22.5
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	60	61	37	31
	Females	74	46	59	25	21
National	Males	65	47	52	33	27
	Females	69	38	53	24	20

Total Students in Report: 12,550

**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>	9,883	76	21.8	56	22.6	63	22.8	33	21.8	28	22.4
	Less than Core	2,542	62	19.6	37	20.5	49	20.9	21	19.9	17	20.4
	Missing	125	39	16.5	23	18.7	28	17.9	10	17.7	10	17.8
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	12,181	74	21.4	12,114	54	22.3	11,773	61	22.5	10,643	32	21.6
	Less than Core	280	48	18.0	340	11	17.3	676	45	20.6	1,794	20	19.8
	Missing	89	46	17.2	96	27	18.9	101	32	18.3	113	11	17.8
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.

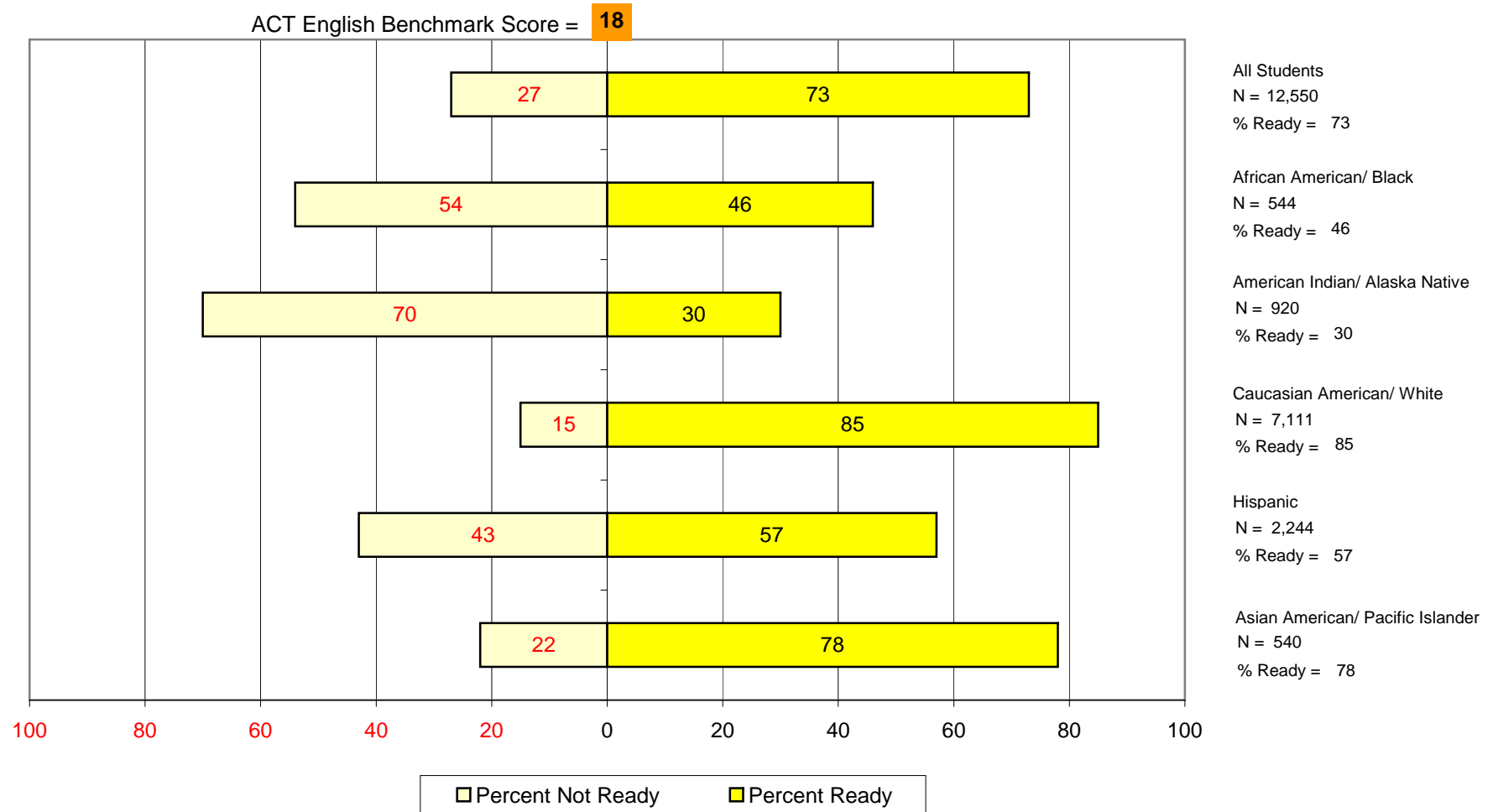


# Section III

## College Readiness and the Impact of Course Rigor

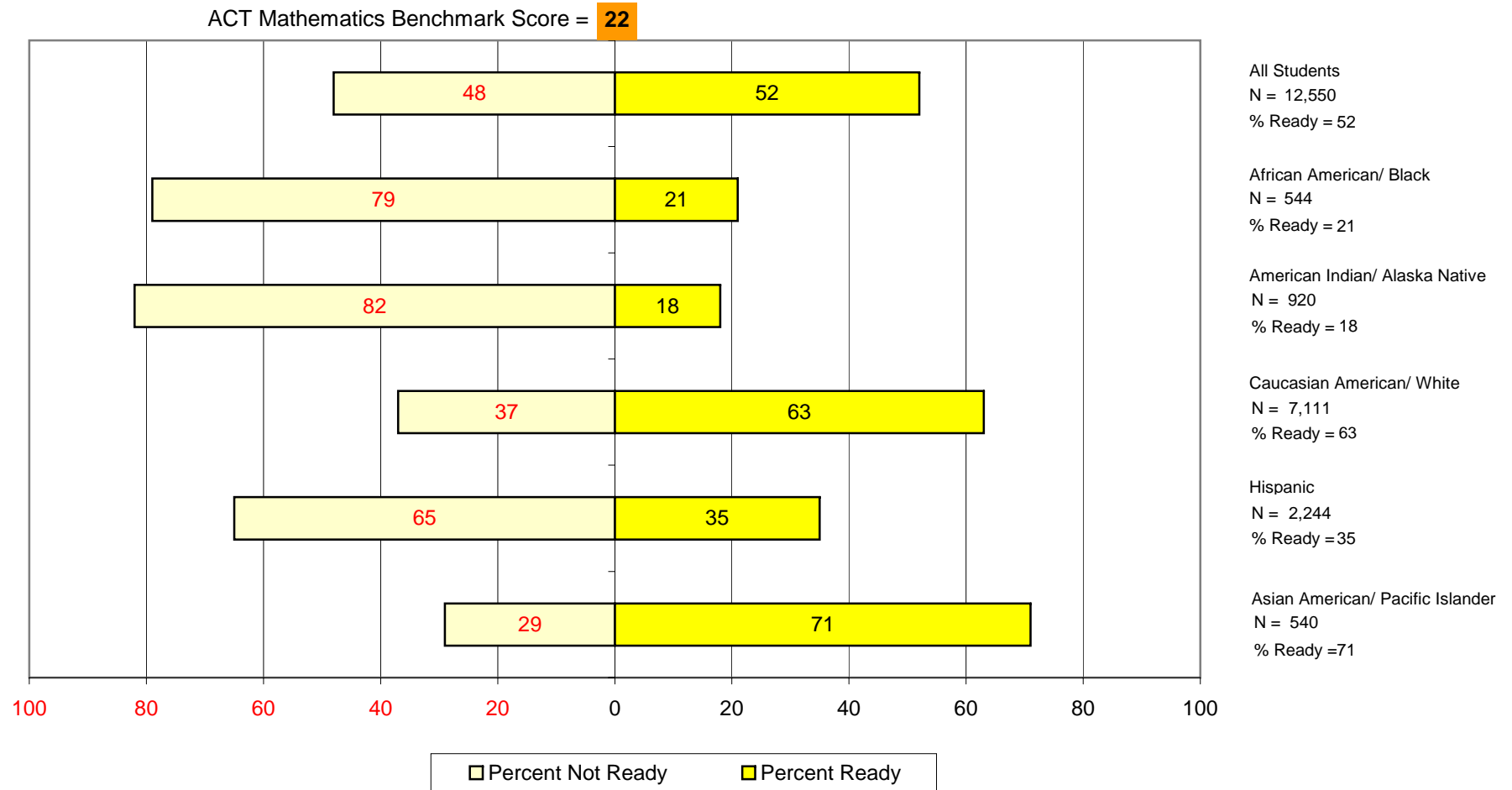
Total Students in Report: 12,550

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



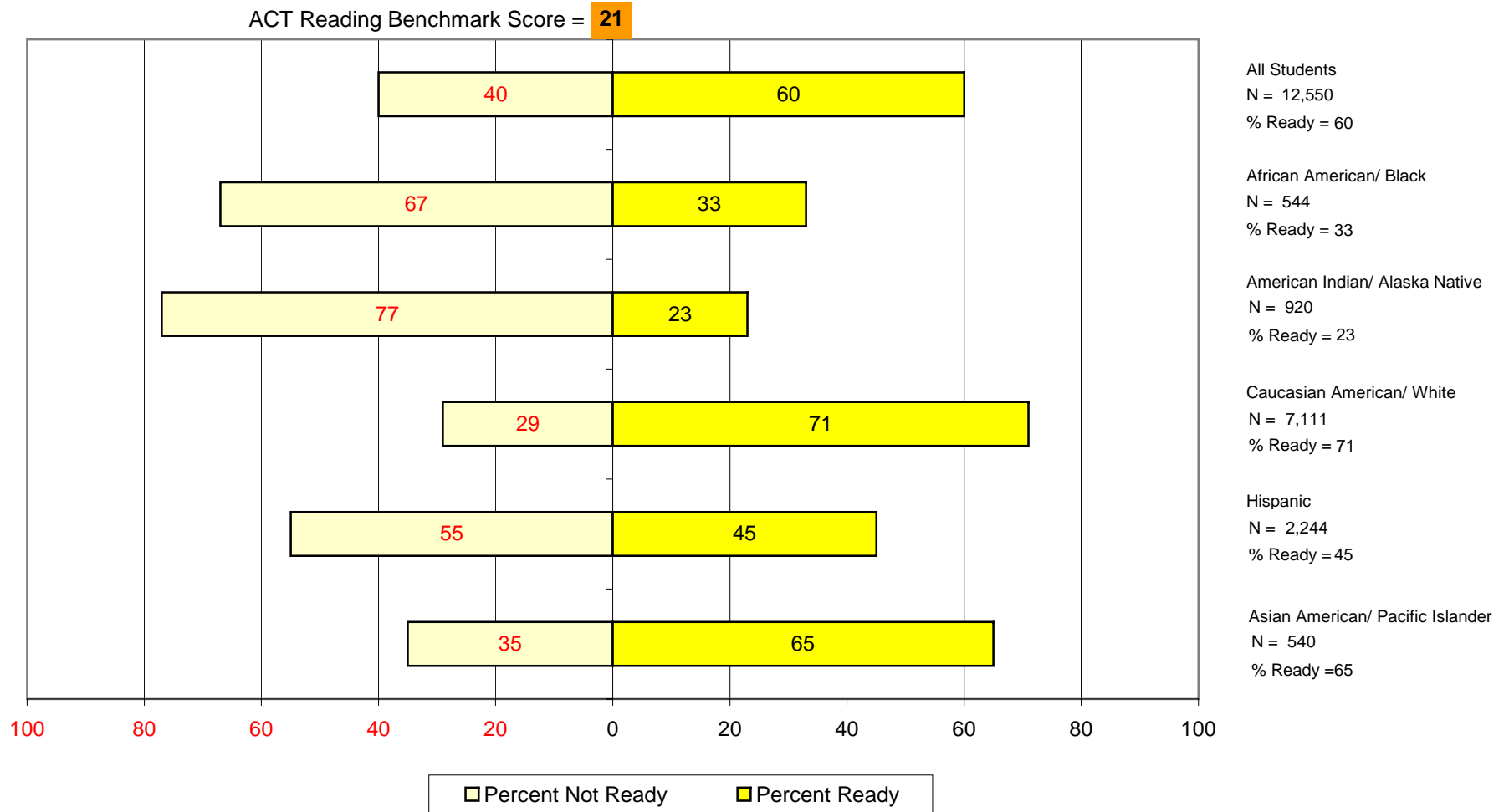
Total Students in Report: 12,550

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



Total Students in Report: 12,550

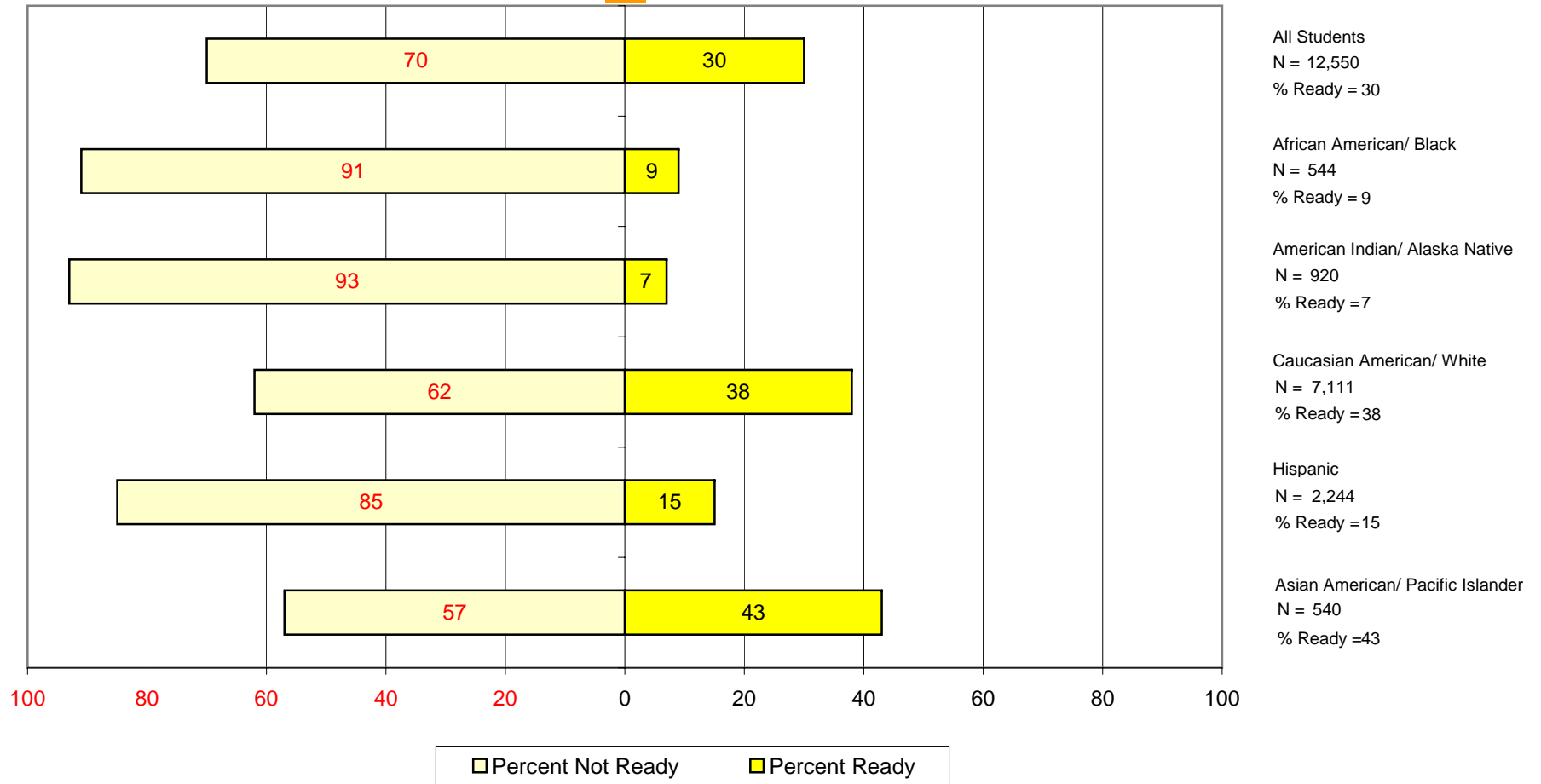
**Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING**



Total Students in Report: 12,550

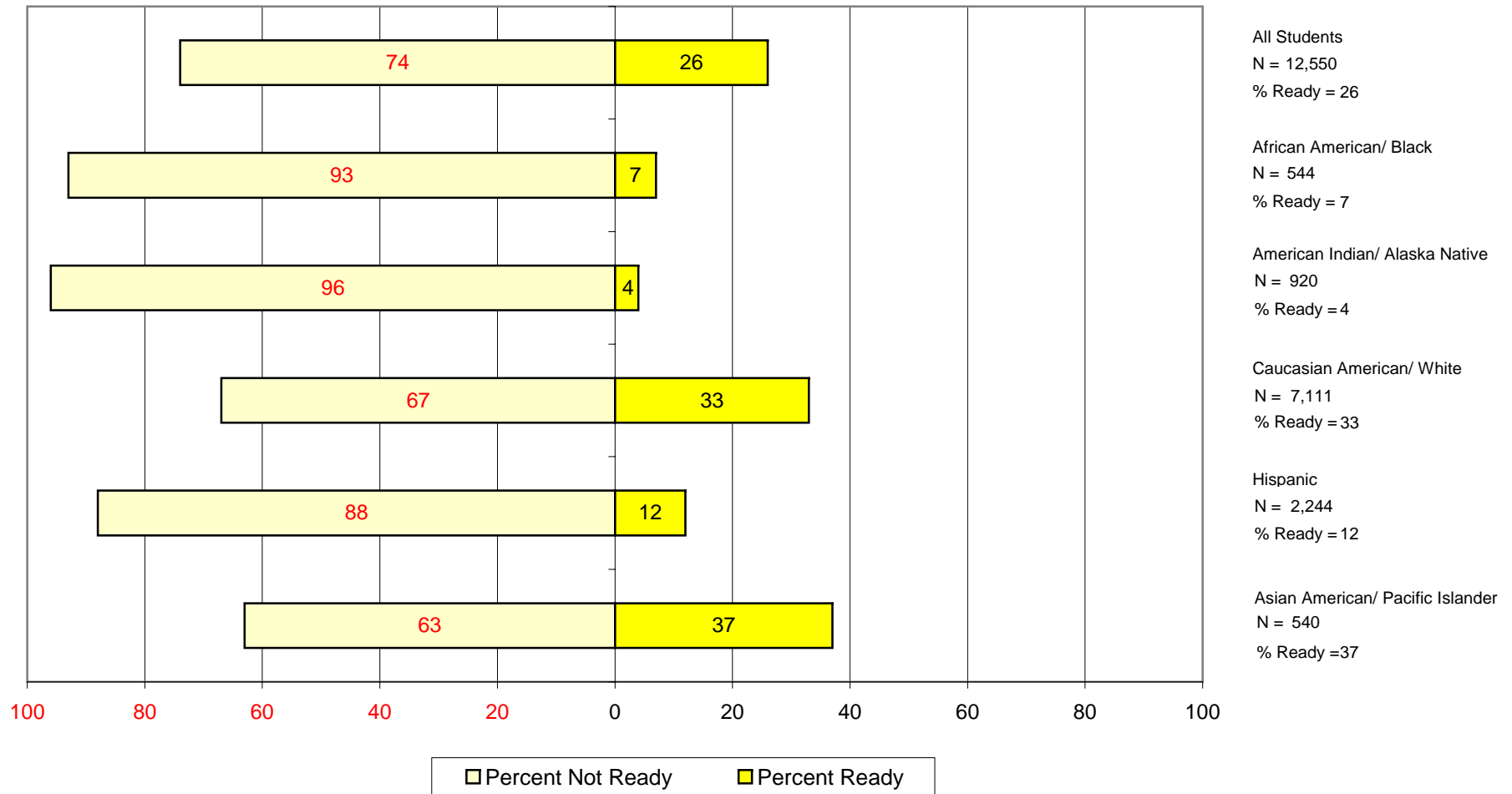
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24



Total Students in Report: 12,550

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



Total Students in Report: 12,550

**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	2,356	19	21.7	3.8	984	18	21.6	4.3	1,369	20	21.8	3.5
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	9,825	78	21.4	3.5	4,360	79	21.1	3.8	5,442	78	21.6	3.3
Less than 4 years of English	285	2	17.9	-	116	2	17.3	-	167	2	18.3	-
No English course/grade information reported	84	1	17.5	-	42	1	17.0	-	40	1	17.6	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	1,034	8	24.7	7.4	452	8	25.8	7.9	580	8	23.7	6.9
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,398	11	22.3	5.0	524	10	23.3	5.4	872	12	21.7	4.9
Alg 1, Alg 2, Geom, & Trig	1,269	10	21.0	3.7	500	9	21.7	3.8	767	11	20.5	3.7
Alg 1, Alg 2, Geom, & Other Adv Math	2,185	17	20.5	3.2	865	16	21.2	3.3	1,312	19	20.0	3.2
Other comb of 4 or more years of Math	4,552	36	24.2	6.9	2,257	41	25.1	7.2	2,285	33	23.2	6.4
Alg 1, Alg 2, & Geom (Min. Core)	1,149	9	17.9	0.6	458	8	18.4	0.5	688	10	17.6	0.8
Other comb of 3 or 3.5 years of Math	527	4	22.0	4.7	242	4	21.8	3.9	285	4	22.2	5.4
Less than 3 years of Math	351	3	17.3	-	161	3	17.9	-	189	3	16.8	-
No Math course/grade information reported	85	1	19.2	-	43	1	19.4	-	40	1	18.7	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	417	3	23.0	2.5	200	4	22.5	2.0	216	3	23.4	2.9
Other comb of 4 or more years Social Science	6,169	49	22.9	2.4	2,646	48	22.8	2.3	3,511	50	23.0	2.5
US Hist, World Hist, & Am Gov (Min. Core)	1,234	10	21.2	0.7	551	10	21.4	0.9	680	10	20.9	0.4
Other comb of 3 or 3.5 years of Social Science	3,953	31	22.2	1.7	1,740	32	22.7	2.2	2,201	31	21.8	1.3
Less than 3 years of Social Science	691	6	20.5	-	320	6	20.5	-	371	5	20.5	-
No Soc Sci course/grade information reported	86	1	18.8	-	45	1	18.4	-	39	1	18.7	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	4,384	35	22.1	2.4	2,185	40	22.8	2.9	2,192	31	21.3	1.7
Bio, Chem, Phys	2,031	16	23.4	3.7	918	17	24.2	4.3	1,108	16	22.7	3.1
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	3,767	30	20.3	0.6	1,400	25	20.6	0.7	2,355	34	20.1	0.5
Other comb of 3 years of Natural Science	461	4	21.0	1.3	263	5	21.7	1.8	197	3	20.1	0.5
Less than 3 years of Natural Science	1,815	14	19.7	-	686	12	19.9	-	1,126	16	19.6	-
No Nat Sci course/grade information reported	92	1	17.9	-	50	1	17.3	-	40	1	18.4	-

<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: 12,550

**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	2,356	19	21.7	76	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	9,825	78	21.4	73	1,029,431	70	20.6	68
Less than 4 years of English	285	2	17.9	47	74,090	5	16.7	42
No English course/grade information reported	84	1	17.5	48	38,830	3	16.1	37
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	1,034	8	24.7	73	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,398	11	22.3	57	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	1,269	10	21.0	44	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	2,185	17	20.5	37	220,868	15	20.1	36
Other comb of 4 or more years of Math	4,552	36	24.2	69	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	1,149	9	17.9	14	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	527	4	22.0	51	70,732	5	20.1	35
Less than 3 years of Math	351	3	17.3	11	105,591	7	16.5	7
No Math course/grade information reported	85	1	19.2	29	40,565	3	17.7	18
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	417	3	23.0	64	46,754	3	22.8	61
Other comb of 4 or more years Social Science	6,169	49	22.9	64	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	1,234	10	21.2	52	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	3,953	31	22.2	60	420,236	28	21.3	52
Less than 3 years of Social Science	691	6	20.5	45	152,775	10	19.7	40
No Soc Sci course/grade information reported	86	1	18.8	36	40,525	3	17.5	26
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	4,384	35	22.1	36	563,824	38	22.2	39
Bio, Chem, Phys	2,031	16	23.4	47	141,531	10	23.3	47
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	3,767	30	20.3	20	459,833	31	20.1	21
Other comb of 3 years of Natural Science	461	4	21.0	29	41,353	3	19.8	21
Less than 3 years of Natural Science	1,815	14	19.7	20	233,215	16	18.4	11
No Nat Sci course/grade information reported	92	1	17.9	12	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: 12,550

**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	106	1	19.6	11	4	16.5	87	1	20.3
Architecture & Environmental Design	318	3	21.5	5	2	17.2	295	3	21.6
Business & Management	1,424	11	21.5	26	9	16.4	1,292	11	21.6
Business & Office	83	1	20.2	5	2	16.6	76	1	20.6
Marketing & Distribution	129	1	21.2	7	2	20.0	112	1	21.4
Communications & Comm. Technologies	329	3	22.5	2	1	16.5	313	3	22.4
Community & Personal Services	220	2	19.4	12	4	17.2	193	2	19.5
Computer & Information Sciences	233	2	22.2	4	1	17.8	220	2	22.2
Cross-Disciplinary Studies	26	0	23.3	0	0	.	21	0	24.2
Education	428	3	20.8	4	1	16.3	394	4	20.9
Teacher Education	252	2	20.2	0	0	.	235	2	20.1
Engineering	700	6	23.6	13	5	15.1	657	6	23.7
Engineering-Related Technologies	512	4	22.3	11	4	15.3	479	4	22.5
Foreign Languages	86	1	23.9	1	0	25.0	78	1	23.9
Health Sciences & Allied Health Fields	2,673	21	21.3	63	22	17.1	2,467	22	21.4
Human, Family & Consumer Science	97	1	20.0	7	2	18.4	82	1	20.2
Letters	94	1	24.5	2	1	23.0	85	1	24.5
Mathematics	112	1	24.4	0	0	.	106	1	24.4
Philosophy, Religion & Theology	57	0	22.8	1	0	15.0	52	0	22.7
Sciences (Biological & Physical)	911	7	24.2	7	2	17.1	862	8	24.2
Social Sciences	879	7	22.6	3	1	18.3	836	7	22.7
Trade & Industrial	54	0	18.5	18	6	17.1	31	0	19.3
Visual & Performing Arts	707	6	22.0	23	8	17.6	621	6	22.1
Undecided	1,960	16	22.0	52	18	17.2	1,614	14	22.2
No Response	160	1	18.7	5	2	16.4	35	0	19.7

<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: 12,550

**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	49	17.2	0	.	20	14.7	16	19.1	7	18.9	1	24.0	5	17.8
2-yr College Degree	233	17.0	9	15.2	73	14.7	85	19.4	45	16.3	4	18.0	17	18.0
Bachelors Degree	4,570	20.8	183	17.5	342	16.7	2,848	22.0	748	19.0	109	21.6	340	20.7
Graduate Study	2,539	23.1	100	19.1	118	18.5	1,622	24.2	377	20.7	100	22.9	222	24.0
Prof. Level Degree	4,134	22.8	212	19.3	281	18.6	2,043	24.5	873	20.4	274	24.8	451	23.0
Other	251	18.8	14	15.9	35	14.8	83	21.1	71	18.1	14	21.1	34	18.8
No Response	774	22.1	26	18.5	51	16.8	414	23.9	123	19.3	38	23.3	122	21.5

Total Students in Report: 12,550

**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	
ARIZONA STATE UNIV AT THE TEMPE CAMPUS	Arizona	4,624	2,257	2,367	1	7	24	32	25	11	1	
UNIVERSITY OF ARIZONA	Arizona	3,972	1,354	2,618	1	6	23	31	25	12	1	
NORTHERN ARIZONA UNIVERSITY	Arizona	3,531	1,006	2,525	1	7	26	32	24	9	1	
BRIGHAM YOUNG UNIVERSITY	Utah	586	342	244	0	1	7	24	38	26	3	
MESA COMMUNITY COLLEGE	Arizona	422	67	355	2	8	31	32	20	7	0	
GRAND CANYON UNIVERSITY	Arizona	309	58	251	1	13	34	35	14	3	0	
NCAA ELIGIBILITY CENTER	Indiana	307	157	150	2	10	23	34	21	10	1	
GLENDALE COMMUNITY COLLEGE	Arizona	296	55	241	1	12	36	39	9	2	0	
STANFORD UNIVERSITY	California	294	79	215	0	1	5	20	29	35	10	
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	292	50	242	0	1	10	26	42	20	1	
PIMA COMMUNITY COLLEGE	Arizona	273	54	219	2	17	38	29	10	3	0	
UNIVERSITY OF SOUTHERN CALIFORNIA	California	256	34	222	2	5	20	24	27	21	2	
SAN DIEGO STATE UNIVERSITY	California	225	41	184	1	4	22	41	22	8	0	
CHANDLER-GILBERT COMMUNITY COLLEGE	Arizona	215	33	182	1	7	30	40	18	5	0	
UNIVERSITY OF CALIFORNIA-LOS ANGELES	California	211	36	175	1	3	26	27	25	17	0	
EASTERN ARIZONA COLLEGE	Arizona	197	81	116	2	14	36	23	20	7	0	
FORT LEWIS COLLEGE	Colorado	197	74	123	11	25	38	18	7	2	0	
PHOENIX COLLEGE	Arizona	178	31	147	4	25	39	24	8	1	0	
UNIVERSITY OF SAN DIEGO	California	176	30	146	1	2	16	31	34	16	1	
UNIV OF COLORADO-BOULDER	Colorado	163	23	140	1	4	7	30	42	13	2	
COLORADO STATE UNIVERSITY	Colorado	159	34	125	1	6	20	27	30	14	1	
UNIVERSITY OF CALIFORNIA-BERKELEY	California	142	18	124	0	1	9	22	35	27	6	
YAVAPAI COLLEGE	Arizona	129	41	88	5	22	37	23	12	1	0	
ARIZONA WESTERN COLLEGE	Arizona	128	45	83	3	19	45	23	9	2	0	
UNIVERSITY OF WASHINGTON	Washington	127	25	102	1	1	14	26	35	20	4	
SCOTTSDALE COMMUNITY COLLEGE	Arizona	110	17	93	1	14	35	35	14	2	0	
COCONINO COMMUNITY COLLEGE	Arizona	108	25	83	10	28	37	19	6	1	0	
HARVARD COLLEGE	Massachusetts	108	22	86	0	2	11	15	27	34	11	
NEW YORK UNIVERSITY	New York	105	28	77	0	2	13	29	27	25	5	
UNIVERSITY OF NEW MEXICO	New Mexico	105	20	85	5	18	43	24	9	2	0	
All Other Institutions		8,036	1,820	6,216	1	8	20	27	25	17	2	
<b>Total</b>		<b>25,981</b>	<b>7,957</b>	<b>18,024</b>	<b>1</b>	<b>7</b>	<b>23</b>	<b>29</b>	<b>25</b>	<b>13</b>	<b>1</b>	

# Section V Optional Writing Test Results

Total Students in Report: 12,550

**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>6,353</b>	<b>814,713</b>	<b>22.4</b>	<b>21.5</b>	<b>7.3</b>	<b>7.2</b>	<b>21.6</b>	<b>20.8</b>
African American/Black	261	96,225	18.9	16.5	6.9	6.4	18.7	16.5
American Indian/Alaska Native	424	5,489	15.8	18.9	6.4	6.7	16.0	18.5
Caucasian American/White	3,640	497,164	24.0	22.8	7.4	7.3	22.9	21.9
Hispanic	1,061	85,681	19.6	18.4	7.1	7.0	19.4	18.4
Asian American/Pacific Islander	325	44,716	24.4	23.5	7.6	7.6	23.4	22.8
Other/No Response	642	85,438	23.1	21.4	7.3	7.2	22.1	20.8
Males	2,620	357,025	22.2	21.1	7.1	6.9	21.3	20.3
Females	3,717	455,190	22.6	21.7	7.4	7.4	21.9	21.2
Missing	16	2,498	24.0	22.1	7.4	7.2	22.9	21.3



