

# ACT High School Profile Report

The Graduating Class of 2008  
Nevada





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This report provides information about the performance of your 2008 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 2008 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, the graduating class data for a school, district, state, and the nation 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, state, or the nation.

Further, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

**The ACT is a curriculum-based measure of college readiness. ACT components include:**

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

**The ACT:**

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards.

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

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

For more information, go to [www.act.org](http://www.act.org)

## How to Improve Scores and Increase College Readiness

22% of 2008 graduates 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.** 6,295 ACT-tested graduates 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. 68% 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 6% of the cohort took less than three years of math courses. Of these students, 22% were college ready. 18% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 14% of these students were college ready. In comparison, 54% of the students who advanced beyond minimum 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 20% of the cohort took less than three years of natural science courses. 16% of these students were college ready. In comparison, 31% 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 43% 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).

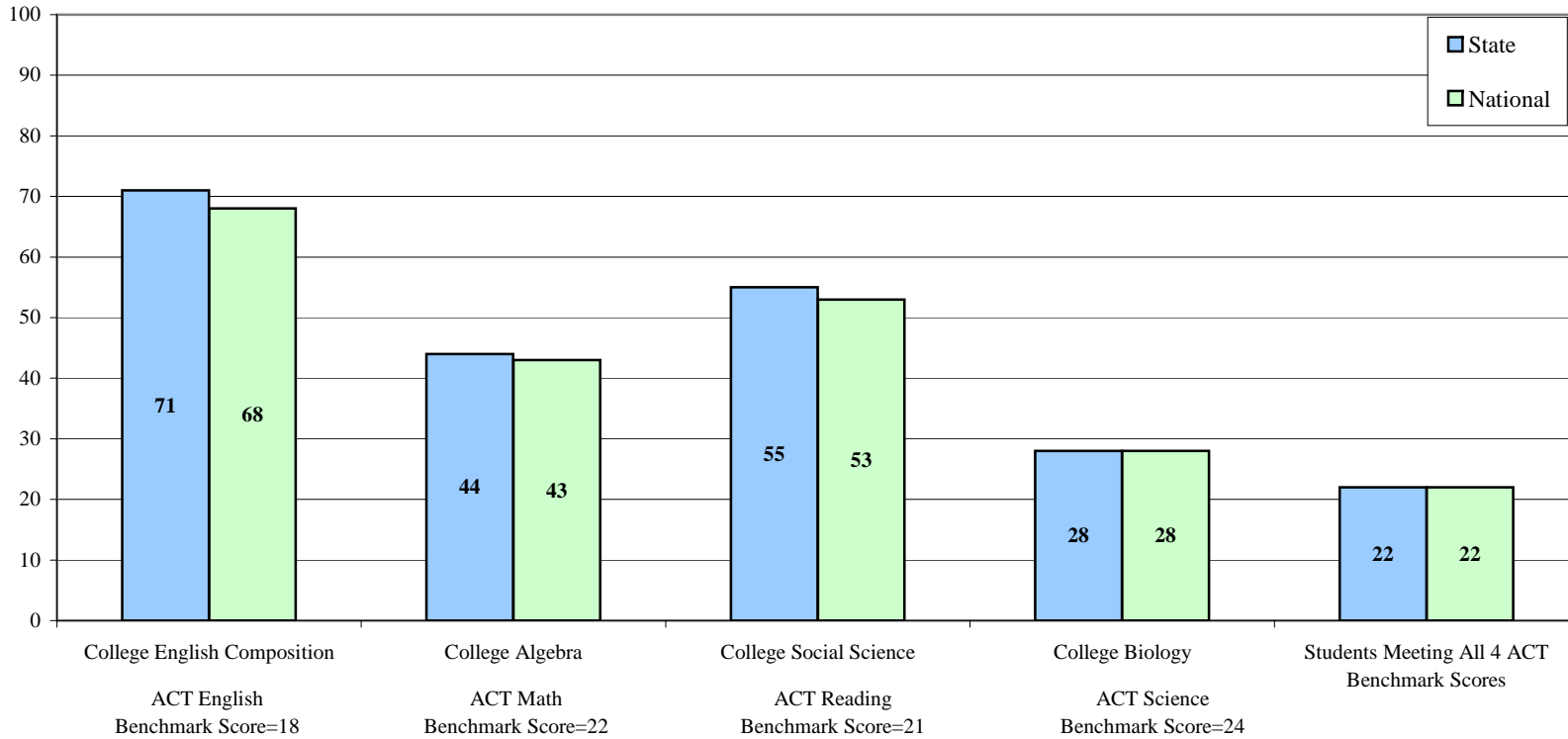
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic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

**Figure 1.1. Percent of ACT-Tested Students Ready for College-Level Coursework**



**A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.**



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

Grad 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
2004	5,282	1,171,460	69	68	43	40	55	52	27	26	21	21
2005	5,021	1,186,251	72	68	43	41	57	51	28	26	23	21
2006	4,935	1,206,455	72	69	46	42	58	53	27	27	22	21
2007	5,562	1,300,599	71	69	45	43	56	53	28	28	22	23
<b>2008</b>	<b>6,295</b>	<b>1,421,941</b>	<b>71</b>	<b>68</b>	<b>44</b>	<b>43</b>	<b>55</b>	<b>53</b>	<b>28</b>	<b>28</b>	<b>22</b>	<b>22</b>

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

Grad 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
2004	5,282	1,171,460	20.4	20.4	21.1	20.7	21.8	21.3	21.1	20.9	21.2	20.9
2005	5,021	1,186,251	20.8	20.4	21.3	20.7	22.0	21.3	21.3	20.9	21.5	20.9
2006	4,935	1,206,455	20.8	20.6	21.5	20.8	22.0	21.4	21.2	20.9	21.5	21.1
2007	5,562	1,300,599	20.8	20.7	21.4	21.0	22.0	21.5	21.2	21.0	21.5	21.2
<b>2008</b>	<b>6,295</b>	<b>1,421,941</b>	<b>20.7</b>	<b>20.6</b>	<b>21.4</b>	<b>21.0</b>	<b>21.7</b>	<b>21.4</b>	<b>20.9</b>	<b>20.8</b>	<b>21.3</b>	<b>21.1</b>

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

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2004	1,171,460	20.4	20.7	21.3	20.9	20.9
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
<b>2008</b>	<b>1,421,941</b>	<b>20.6</b>	<b>21.0</b>	<b>21.4</b>	<b>20.8</b>	<b>21.1</b>

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

Grad Year	Number of Students Tested		Percent <sup>1</sup>		Average ACT Scores									
	Core or More	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
2004	2,950	1,957	56	37	21.3	19.1	22.0	19.7	22.5	20.7	21.7	20.1	22.0	20.0
2005	2,844	1,726	57	34	21.6	19.6	22.0	20.1	22.7	21.1	22.0	20.4	22.2	20.4
2006	2,570	1,783	52	36	21.6	19.9	22.3	20.4	22.6	21.3	21.8	20.4	22.2	20.6
2007	2,803	1,927	50	35	21.6	19.8	22.2	20.4	22.7	21.2	21.9	20.5	22.2	20.6
<b>2008</b>	<b>4,278</b>	<b>1,681</b>	<b>68</b>	<b>27</b>	<b>21.2</b>	<b>19.2</b>	<b>22.0</b>	<b>19.9</b>	<b>22.2</b>	<b>20.5</b>	<b>21.4</b>	<b>19.6</b>	<b>21.8</b>	<b>19.9</b>

<sup>1</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**Table 1.5. Five-Year Trends—Number, Percentage, and Average Composite Score for ACT-Tested Graduates by Race/Ethnicity**

	2004			2005			2006			2007			2008		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>5,282</b>	<b>100</b>	<b>21.2</b>	<b>5,021</b>	<b>100</b>	<b>21.5</b>	<b>4,935</b>	<b>100</b>	<b>21.5</b>	<b>5,562</b>	<b>100</b>	<b>21.5</b>	<b>6,295</b>	<b>100</b>	<b>21.3</b>
African American/Black	321	6	17.7	302	6	17.8	244	5	17.9	308	6	17.8	461	7	17.5
American Indian/Alaska Native	96	2	19.1	75	1	19.1	86	2	18.6	91	2	17.9	85	1	20.3
Caucasian American/White	3,320	63	21.9	3,172	63	22.0	2,841	58	22.2	2,916	52	22.3	3,399	54	22.4
Hispanic	530	10	19.3	519	10	19.4	453	9	19.5	661	12	19.4	979	16	18.6
Asian American/Pacific Islander	402	8	21.3	366	7	21.7	360	7	22.1	433	8	21.8	572	9	21.6
Other/No Response	613	12	21.7	587	12	22.3	951	19	21.3	1,153	21	21.8	799	13	22.1

# Section II

# Academic Achievement

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

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
36	7	100	20	100	35	100	9	100	2	100	36
35	53	100	34	100	52	99	20	100	9	100	35
34	74	99	54	99	68	99	31	100	20	100	34
33	70	98	79	98	102	98	42	99	49	100	33
32	63	97	58	97	131	96	43	98	59	99	32
31	90	96	66	96	184	94	50	98	80	98	31
30	130	94	132	95	192	91	68	97	122	97	30
29	169	92	159	93	216	88	69	96	166	95	29
28	156	90	224	90	231	84	127	95	196	92	28
27	128	87	270	87	217	81	198	93	235	89	27
26	248	85	307	83	241	77	255	90	299	85	26
25	317	81	380	78	272	73	447	86	355	80	25
24	341	76	355	72	384	69	384	78	417	75	24
23	346	71	325	66	446	63	456	72	421	68	23
22	489	65	325	61	334	56	602	65	480	61	22
21	533	57	427	56	367	51	479	56	498	54	21
20	505	49	353	49	442	45	621	48	513	46	20
19	398	41	448	43	397	38	578	38	490	38	19
18	360	35	492	36	266	32	409	29	434	30	18
17	315	29	586	28	314	27	319	22	383	23	17
16	271	24	591	19	348	22	284	17	345	17	16
15	340	20	375	10	321	17	213	13	245	11	15
14	196	14	152	4	229	12	161	9	208	8	14
13	151	11	56	1	223	8	155	7	147	4	13
12	160	9	20	1	113	4	138	4	78	2	12
11	124	6	5	1	86	3	64	2	31	1	11
10	94	4	1	1	46	1	32	1	8	1	10
9	62	3	1	1	21	1	17	1	3	1	9
8	68	2	0	1	1	1	10	1	2	1	8
7	19	1	0	1	9	1	10	1	0	1	7
6	13	1	0	1	6	1	4	1	0	1	6
5	4	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	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	20.7 (5.8)		21.4 (5.1)		21.7 (6.0)		20.9 (4.8)		21.3 (4.8)		Avg (SD)

<sup>1</sup>Note: CP is the cumulative percent of students at or below a score point. Also, shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

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

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 <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
18	185	100	26	100	165	100	156	100	299	100	56	100	57	100	18
17	253	97	108	100	244	97	348	98	291	95	103	99	15	99	17
16	222	93	245	98	329	94	464	92	353	91	131	97	271	99	16
15	273	90	386	94	421	88	451	85	326	85	221	95	258	95	15
14	344	85	332	88	385	82	492	77	431	80	539	92	591	90	14
13	456	80	550	83	528	75	354	70	520	73	569	83	509	81	13
12	407	72	831	74	572	67	594	64	601	65	604	74	748	73	12
11	722	66	791	61	659	58	617	55	595	55	989	65	642	61	11
10	724	55	923	48	600	48	592	45	753	46	1,066	49	1,112	51	10
9	704	43	589	33	736	38	536	35	479	34	882	32	756	33	9
8	552	32	568	24	634	26	475	27	783	26	523	18	503	21	8
7	420	23	391	15	404	16	385	19	596	14	181	10	407	13	7
6	373	16	229	9	276	10	338	13	204	4	189	7	149	7	6
5	291	10	135	5	159	5	306	8	42	1	142	4	144	4	5
4	217	6	119	3	94	3	123	3	19	1	32	2	34	2	4
3	111	2	55	1	60	1	41	1	2	1	54	1	69	2	3
2	40	1	14	1	22	1	23	1	1	1	2	1	17	1	2
1	1	1	3	1	7	1	0	1	0	1	12	1	13	1	1
Avg (SD)	10.3 (3.7)		10.6 (3.1)		10.9 (3.5)		11.1 (3.8)		11.3 (3.4)		10.7 (2.8)		10.7 (2.9)		Avg (SD)

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

**Table 2.3. ACT Score Quartile Values for All Students**

Quartile	English	Math	Reading	Science	Composite
Q3 (75th Percentile)	24	25	26	24	25
Q2 (50th Percentile)	21	21	21	21	21
Q1 (25th Percentile)	17	17	17	18	18

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More	Average ACT Composite Score	
				Core or More	Less Than Core
State	<b>All Students</b>	<b>6,295</b>	<b>68</b>	<b>21.8</b>	<b>19.9</b>
	African Am./Black	461	65	18.0	16.3
	Am. Indian/Alaska Native	85	66	20.9	19.6
	Caucasian Am./White	3,399	70	22.8	21.2
	Hispanic	979	64	19.1	17.5
	Asian Am./Pacific Islander	572	75	22.1	19.7
	Other/No Response	799	61	22.6	20.7
National	<b>All Students</b>	<b>1,421,941</b>	<b>61</b>	<b>22.0</b>	<b>19.5</b>
	African Am./Black	178,417	58	17.7	16.0
	Am. Indian/Alaska Native	14,380	53	20.3	17.6
	Caucasian Am./White	895,588	64	22.9	20.4
	Hispanic	114,697	60	19.6	17.4
	Asian Am./Pacific Islander	51,368	71	23.4	21.4
	Other/No Response	167,491	52	22.5	20.1

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

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	20.7	21.4	21.7	20.9	21.3
	African Am./Black	16.6	17.7	17.6	17.6	17.5
	Am. Indian/Alaska Native	19.4	20.2	21.1	20.1	20.3
	Caucasian Am./White	21.9	22.2	22.9	21.9	22.4
	Hispanic	17.4	18.9	19.0	18.5	18.6
	Asian Am./Pacific Islander	21.0	22.6	21.3	21.2	21.6
	Other/No Response	21.5	22.1	22.7	21.4	22.1
National	<b>All Students</b>	20.6	21.0	21.4	20.8	21.1
	African Am./Black	16.1	17.0	17.0	17.2	16.9
	Am. Indian/Alaska Native	18.1	18.8	19.6	19.2	19.0
	Caucasian Am./White	21.7	21.8	22.5	21.7	22.1
	Hispanic	17.7	19.0	18.9	18.7	18.7
	Asian Am./Pacific Islander	22.1	24.1	22.4	22.3	22.9
	Other/No Response	21.2	21.7	22.1	21.2	21.7

**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	204	3	187	3	257	4	102	2
	28 to 32	608	10	639	10	954	15	357	6
	24 to 27	1,034	16	1,312	21	1,114	18	1,284	20
	20 to 23	1,873	30	1,430	23	1,589	25	2,158	34
	16 to 19	1,344	21	2,117	34	1,325	21	1,590	25
	13 to 15	687	11	583	9	773	12	529	8
	01 to 12	545	9	27	0	283	4	275	4
National	33 to 36	52,735	4	40,359	3	63,798	4	26,499	2
	28 to 32	146,337	10	138,694	10	203,096	14	89,946	6
	24 to 27	237,950	17	283,854	20	231,039	16	281,932	20
	20 to 23	383,117	27	294,322	21	343,326	24	474,554	33
	16 to 19	293,110	21	466,291	33	312,300	22	359,785	25
	13 to 15	175,652	12	188,580	13	191,145	13	121,336	9
	01 to 12	133,040	9	9,841	1	77,237	5	67,889	5

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	2,639	42	20.2	22.3	21.6	21.5	21.6
	Females	3,495	56	20.9	20.7	21.7	20.3	21.0
	Missing	161	3	21.8	22.4	23.2	21.9	22.5
National	Males	625,887	44	20.1	21.6	21.2	21.3	21.2
	Females	764,282	54	21.0	20.4	21.5	20.4	21.0
	Missing	31,772	2	22.8	23.3	23.6	22.4	23.1

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Math	Reading	Science	
State	Males	68	52	54	34	28
	Females	73	38	55	23	18
National	Males	65	47	51	32	26
	Females	70	38	53	24	19

**Table 2.9. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Overall High School Curriculum**

Student Group	Curriculum Taken <sup>2</sup>	N	English		Mathematics		Reading		Science		Composite <sup>1</sup>	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg
State	Core	4,278	75	21.2	49	22.0	59	22.2	31	21.4	25	21.8
	Non-Core	1,681	62	19.2	32	19.9	47	20.5	20	19.6	15	19.9
	Missing	336	66	20.3	46	21.6	53	21.8	29	20.8	24	21.3
National	Core	873,743	75	21.6	50	21.9	59	22.3	33	21.6	27	22.0
	Non-Core	431,748	56	18.8	29	19.3	41	19.9	18	19.4	14	19.5
	Missing	116,450	62	19.9	42	20.8	48	20.8	27	20.3	23	20.6

<sup>1</sup>% under Composite heading reflects the percent of students who meet all four benchmarks

<sup>2</sup>"Curriculum Taken" reflects overall high school curriculum.

For instance, "Core" results correspond to students taking four years of English AND three years each of math, social studies, and natural science.

**Table 2.10. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates 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	5,700	71	20.7	5,662	46	21.6	5,474	56	21.7	4,769	31	21.3
	Non-Core	348	70	20.4	358	22	18.3	556	51	21.4	1,213	16	19.2
	Missing	247	65	20.3	275	44	21.5	265	53	21.8	313	30	20.8
National	Core	1,216,115	70	20.8	1,192,135	46	21.4	1,137,832	54	21.6	1,063,049	32	21.4
	Non-Core	111,558	57	18.8	124,104	14	17.4	183,026	45	20.4	253,561	13	18.7
	Missing	94,268	64	20.2	105,702	42	20.8	101,083	50	21.1	105,331	28	20.5

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

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



# Section III

## College Readiness and the Impact of Course Rigor

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

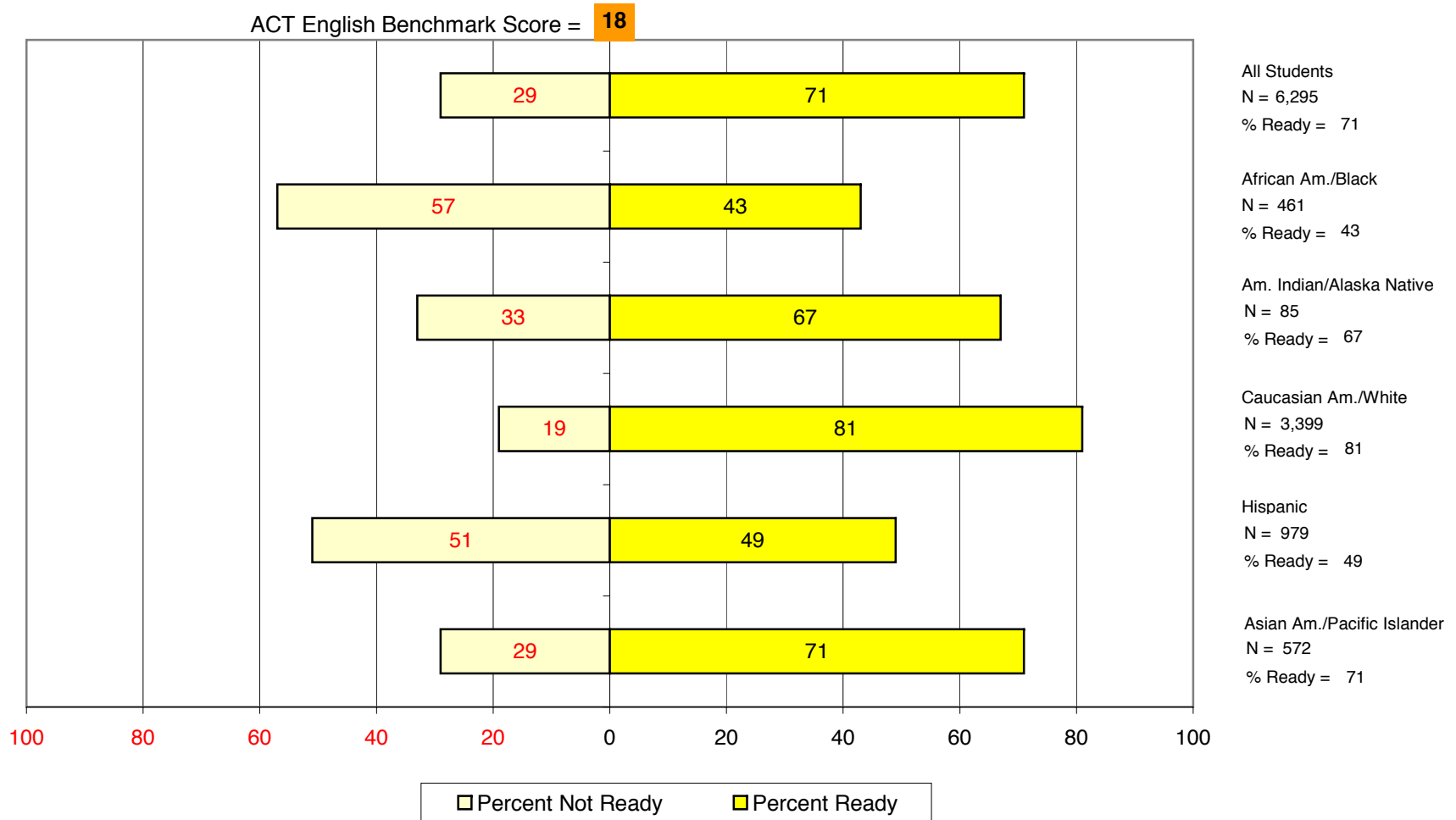


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

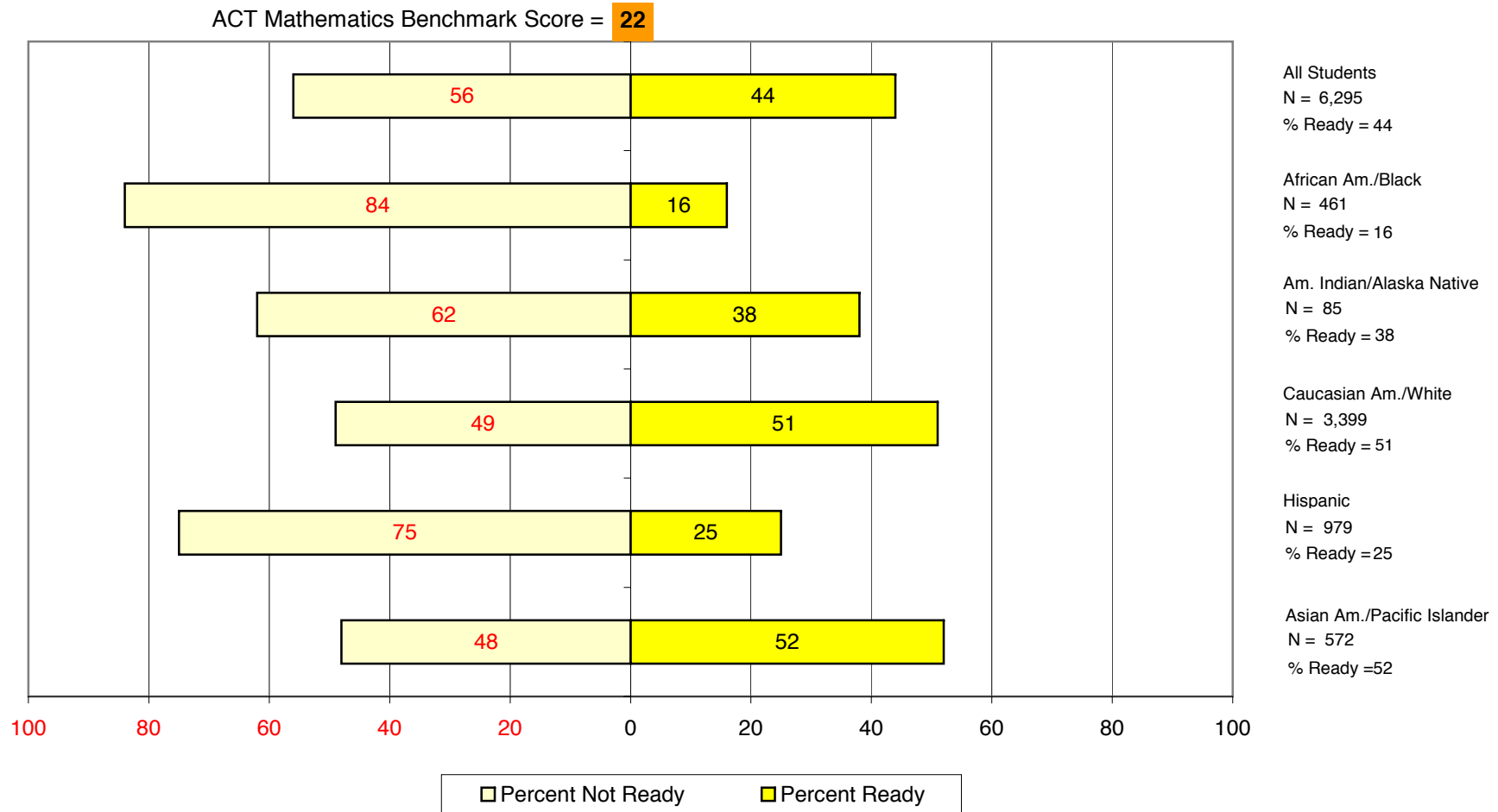


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

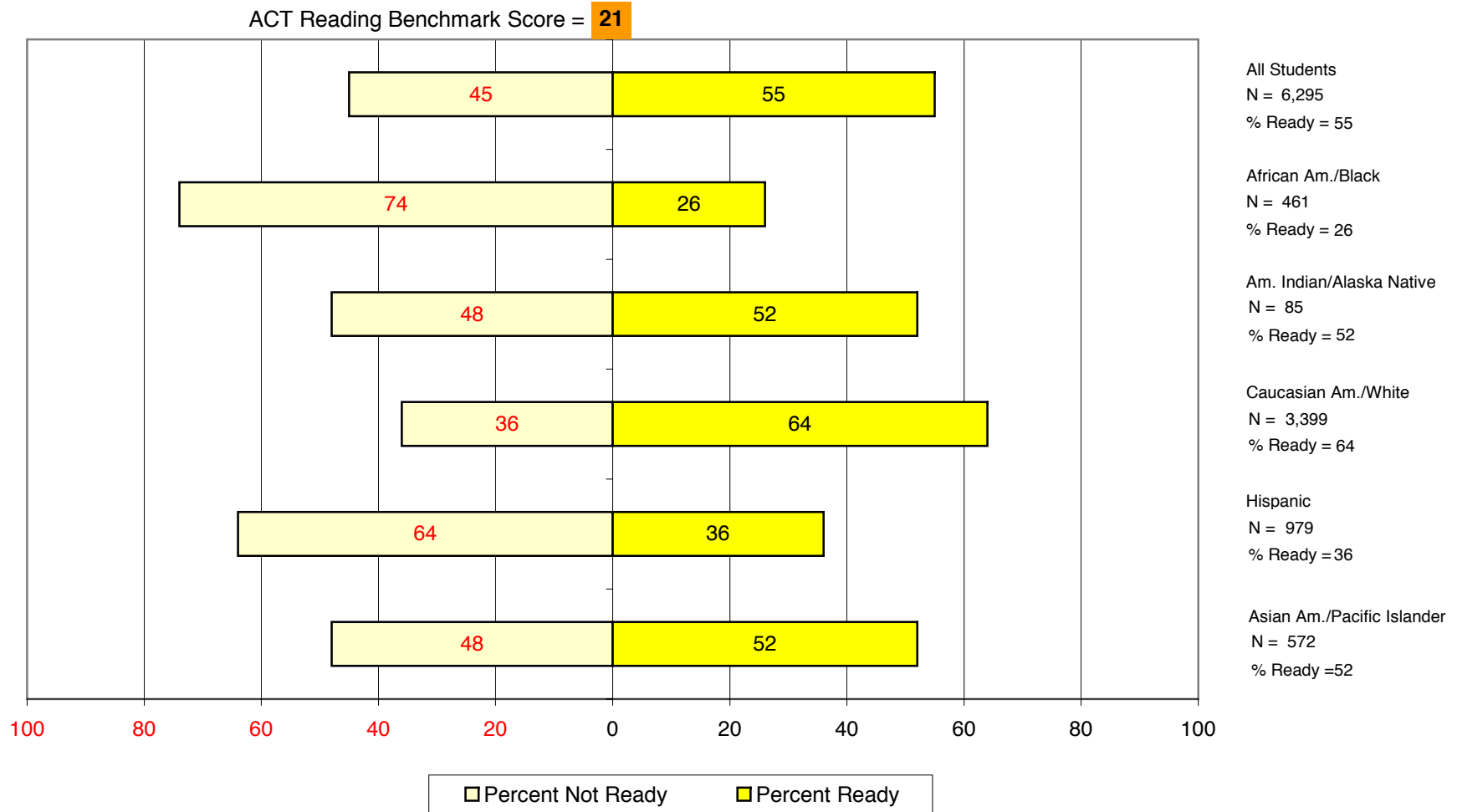


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

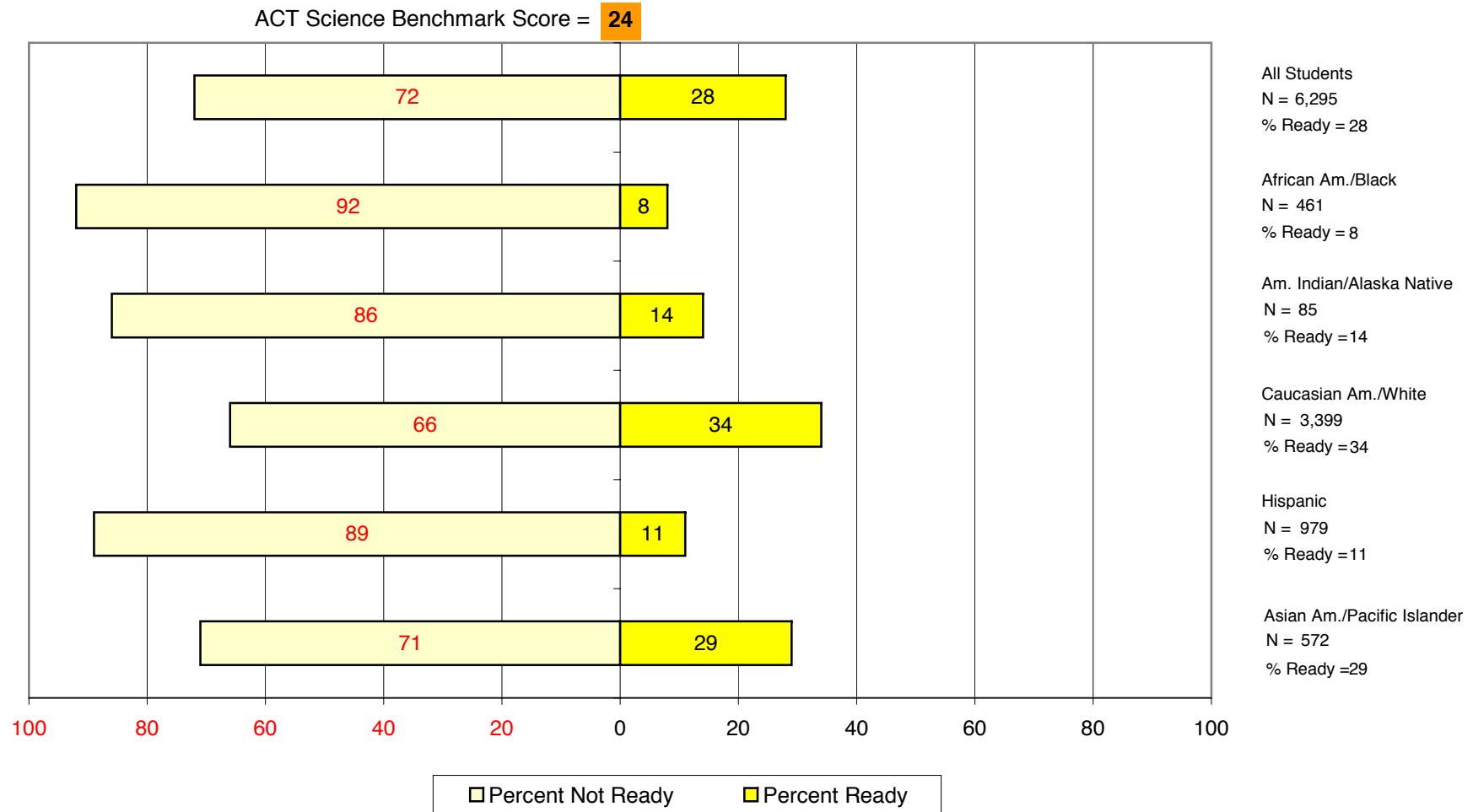
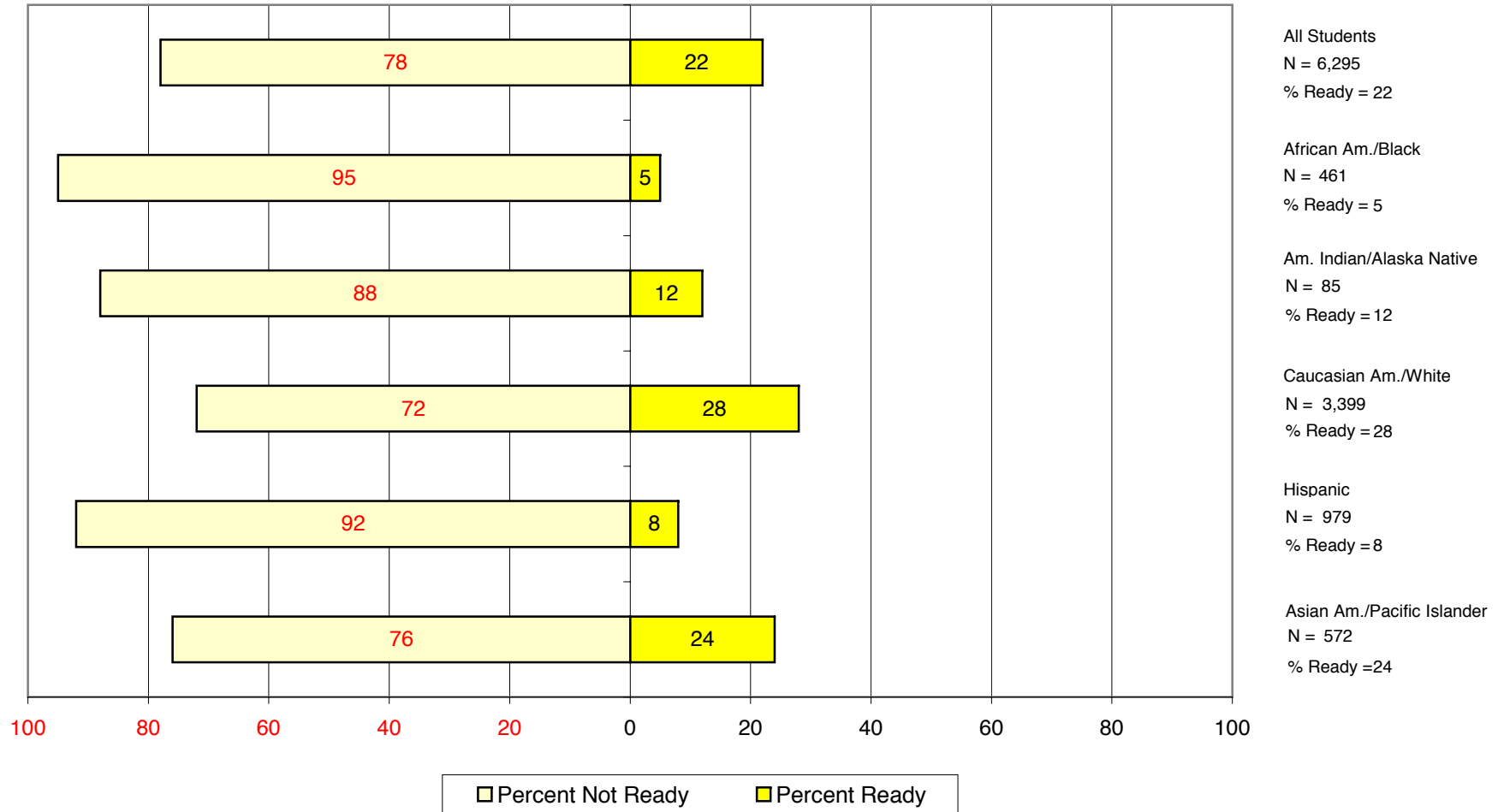


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**Table 3.1. Average ACT Scores and ACT Average 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	1,003	16	20.8	0.5	381	14	20.7	1.2	612	18	20.9	0.2
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	4,697	75	20.7	0.4	2,002	76	20.2	0.7	2,607	75	21.0	0.3
Less than 4 years of English	351	6	20.3	-	142	5	19.5	-	181	5	20.7	-
No English course/grade information reported	244	4	20.3	-	114	4	19.9	-	95	3	20.4	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	488	8	25.4	7.0	219	8	26.5	8.0	257	7	24.5	6.3
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	633	10	22.2	3.8	239	9	23.0	4.5	379	11	21.8	3.6
Alg 1, Alg 2, Geom, & Trig	709	11	20.7	2.3	273	10	21.5	3.0	420	12	20.1	1.9
Alg 1, Alg 2, Geom, & Other Adv Math	653	10	19.7	1.3	254	10	20.5	2.0	389	11	19.1	0.9
Other comb of 4 or more years of Math	1,749	28	23.8	5.4	802	30	24.7	6.2	917	26	22.9	4.7
Alg 1, Alg 2, & Geom (Min. Core)	1,117	18	18.0	-0.4	428	16	18.6	0.1	671	19	17.5	-0.7
Other comb of 3 or 3.5 years of Math	313	5	20.8	2.4	152	6	21.0	2.5	156	4	20.6	2.4
Less than 3 years of Math	378	6	18.4	-	154	6	18.5	-	204	6	18.2	-
No Math course/grade information reported	255	4	21.6	-	118	4	22.3	-	102	3	20.1	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	239	4	22.5	1.1	125	5	22.8	2.1	110	3	22.3	0.4
Other comb of 4 or more years Social Science	1,441	23	22.2	0.8	555	21	22.0	1.3	860	25	22.2	0.3
US Hist, World Hist, & Am Gov (Min. Core)	2,170	34	21.3	-0.1	986	37	21.4	0.7	1,156	33	21.1	-0.8
Other comb of 3 or 3.5 years of Social Science	1,624	26	21.8	0.4	620	23	21.7	1.0	968	28	21.9	0.0
Less than 3 years of Social Science	565	9	21.4	-	236	9	20.7	-	299	9	21.9	-
No Soc Sci course/grade information reported	256	4	21.7	-	117	4	21.8	-	102	3	21.1	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	2,042	32	22.0	2.8	952	36	22.6	3.1	1,051	30	21.3	2.3
Bio, Chem, Phys	703	11	23.1	3.9	336	13	23.9	4.4	355	10	22.3	3.3
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	1,916	30	20.0	0.8	695	26	20.4	0.9	1,183	34	19.7	0.7
Other comb of 3 years of Natural Science	108	2	20.2	1.0	57	2	20.7	1.2	50	1	19.6	0.6
Less than 3 years of Natural Science	1,249	20	19.2	-	476	18	19.5	-	741	21	19.0	-
No Nat Sci course/grade information reported	277	4	20.8	-	123	5	21.3	-	115	3	20.2	-

<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.

**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	1,003	16	20.8	71	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	4,697	75	20.7	72	949,721	67	20.5	68
Less than 4 years of English	351	6	20.3	70	112,496	8	18.8	56
No English course/grade information reported	244	4	20.3	66	93,330	7	20.2	64
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	488	8	25.4	77	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	633	10	22.2	57	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	709	11	20.7	41	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	653	10	19.7	30	204,909	14	20.4	38
Other comb of 4 or more years of Math	1,749	28	23.8	62	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	1,117	18	18.0	14	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	313	5	20.8	39	70,951	5	20.8	41
Less than 3 years of Math	378	6	18.4	22	131,252	9	17.4	14
No Math course/grade information reported	255	4	21.6	45	98,554	7	21.1	44
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	239	4	22.5	62	42,546	3	22.7	61
Other comb of 4 or more years Social Science	1,441	23	22.2	57	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	2,170	34	21.3	53	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	1,624	26	21.8	57	404,731	28	21.3	52
Less than 3 years of Social Science	565	9	21.4	51	185,561	13	20.4	45
No Soc Sci course/grade information reported	256	4	21.7	53	98,548	7	21.1	50
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	2,042	32	22.0	36	453,654	32	22.2	38
Bio, Chem, Phys	703	11	23.1	46	134,033	9	23.2	47
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	1,916	30	20.0	19	435,183	31	20.1	20
Other comb of 3 years of Natural Science	108	2	20.2	20	40,179	3	20.1	22
Less than 3 years of Natural Science	1,249	20	19.2	16	259,142	18	18.7	13
No Nat Sci course/grade information reported	277	4	20.8	31	99,750	7	20.6	29

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



# Section IV

## Career and Educational Aspirations

**Table 4.1. Distribution of Planned Educational Majors for All Students and 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	53	1	20.2	6	3	17.3	44	1	20.6
Architecture & Environmental Design	148	2	20.8	1	0	19.0	136	3	20.7
Business & Management	734	12	20.2	23	10	17.3	650	12	20.3
Business & Office	44	1	19.6	6	3	15.7	34	1	19.9
Marketing & Distribution	45	1	19.4	3	1	17.0	38	1	19.8
Communications & Comm. Technologies	155	2	21.3	5	2	17.0	142	3	21.6
Community & Personal Services	141	2	18.8	18	8	16.6	122	2	19.1
Computer & Information Sciences	140	2	21.9	11	5	17.3	115	2	22.3
Cross-Disciplinary Studies	13	0	23.3	0	0	.	12	0	22.9
Education	187	3	20.4	9	4	15.8	165	3	20.8
Teacher Education	121	2	19.1	2	1	18.5	108	2	19.2
Engineering	252	4	23.6	8	4	17.1	228	4	23.9
Engineering-Related Technologies	199	3	22.9	5	2	15.4	177	3	23.3
Foreign Languages	41	1	21.2	1	0	17.0	38	1	21.5
Health Sciences & Allied Health Fields	1,124	18	20.8	32	15	16.6	1,045	19	21.0
Human, Family & Consumer Science	75	1	18.3	10	5	18.4	61	1	18.3
Letters	47	1	24.1	1	0	12.0	42	1	24.2
Mathematics	44	1	24.4	0	0	.	41	1	24.7
Philosophy, Religion & Theology	24	0	23.1	1	0	29.0	22	0	23.0
Sciences (Biological & Physical)	446	7	23.2	3	1	17.3	420	8	23.2
Social Sciences	397	6	22.1	6	3	17.2	371	7	22.1
Trade & Industrial	44	1	20.1	14	6	18.2	24	0	20.8
Visual & Performing Arts	372	6	21.3	14	6	18.1	321	6	21.5
Undecided	904	14	21.2	31	14	16.9	766	14	21.5
No Response	545	9	21.8	10	5	17.1	246	5	22.6

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

<sup>2</sup>Percent of students tested.

**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-Am./ Black		Am. Indian/ Alaska Native		Caucasian-Am./ White		Hispanic		Asian-Am./ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	49	18.6	5	16.8	4	16.5	30	19.6	5	18.0	3	18.0	2	14.5
2-yr College Degree	171	16.7	12	13.9	0	.	71	18.6	57	15.4	8	16.1	23	15.8
Bachelors Degree	2,247	20.1	163	17.0	28	19.1	1,307	21.1	353	17.8	166	19.8	230	20.6
Graduate Study	1,074	22.7	67	18.7	24	21.5	620	23.8	137	19.6	103	22.7	123	23.1
Prof. Level Degree	2,047	22.5	173	18.2	21	21.6	1,044	23.7	338	19.7	224	23.0	247	23.4
Other	160	18.7	20	14.9	3	19.7	72	20.0	23	17.4	20	19.4	22	19.0
No Response	547	21.5	21	16.3	5	19.2	255	22.1	66	18.2	48	21.5	152	22.7

**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 NEVADA-RENO	Nevada	2,019	1,034	985	1	7	27	33	23	8	1
UNIVERSITY OF NEVADA-LAS VEGAS	Nevada	1,878	885	993	3	14	31	30	17	6	0
UNLV GEAR UP	Nevada	672	31	641	8	28	35	20	7	1	0
COMMUNITY COLLEGE OF SOUTHERN NEVADA	Nevada	656	226	430	5	23	36	27	7	2	0
BRIGHAM YOUNG UNIVERSITY	Utah	355	230	125	0	1	14	30	28	24	3
NEVADA STATE COLLEGE	Nevada	315	48	267	6	23	32	28	9	3	0
TRUCKEE MEADOWS COMMUNITY COLLEGE	Nevada	308	68	240	2	10	41	33	12	2	0
SOUTHERN UTAH UNIVERSITY	Utah	234	51	183	0	6	26	40	18	10	0
UNIVERSITY OF SOUTHERN CALIFORNIA	California	210	56	154	1	10	19	23	28	18	2
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	205	57	148	0	1	13	36	29	19	2
UNIVERSITY OF CALIFORNIA-LOS ANGELES	California	200	42	158	2	6	20	27	28	16	2
NCAA ELIGIBILITY CENTER	Indiana	177	82	95	3	16	34	24	19	2	0
ARIZONA STATE UNIV AT THE TEMPE CAMPUS	Arizona	168	41	127	1	11	29	32	18	8	0
UNIVERSITY OF UTAH	Utah	146	25	121	0	4	18	36	25	14	1
STANFORD UNIVERSITY	California	134	36	98	1	0	7	14	37	30	10
WESTERN NEVADA COMMUNITY COLLEGE	Nevada	129	28	101	2	9	39	31	18	2	0
SAN DIEGO STATE UNIVERSITY	California	119	25	94	2	9	27	29	23	10	0
UNIVERSITY OF ARIZONA	Arizona	111	19	92	0	5	25	39	19	11	1
UNIVERSITY OF CALIFORNIA-BERKELEY	California	111	27	84	0	5	12	18	29	31	5
UNIVERSITY OF WASHINGTON	Washington	108	23	85	0	2	10	27	36	21	4
BOISE STATE UNIVERSITY	Idaho	105	24	81	1	8	22	43	20	6	1
DIXIE STATE COLLEGE OF UTAH	Utah	101	18	83	0	7	42	33	13	5	1
GREAT BASIN COLLEGE	Nevada	94	49	45	2	14	31	39	14	0	0
UNIVERSITY OF SAN DIEGO	California	93	18	75	0	4	19	37	29	11	0
NORTHERN ARIZONA UNIVERSITY	Arizona	91	25	66	2	7	21	37	27	5	0
UNIVERSITY OF OREGON	Oregon	90	13	77	0	2	18	41	30	9	0
UTAH STATE UNIVERSITY	Utah	90	13	77	0	3	23	29	24	18	2
OREGON STATE UNIVERSITY	Oregon	86	11	75	2	6	21	26	35	9	1
ART INSTITUTE OF LAS VEGAS THE	Nevada	84	29	55	4	20	35	27	10	5	0
UNIVERSITY OF CALIFORNIA-SAN DIEGO	California	81	15	66	0	2	10	25	37	23	2
All Other Institutions		4,585	1,064	3,521	2	8	22	28	24	15	2
<b>Total</b>		<b>13,755</b>	<b>4,313</b>	<b>9,442</b>	<b>2</b>	<b>10</b>	<b>26</b>	<b>29</b>	<b>21</b>	<b>11</b>	<b>1</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>2,947</b>	<b>770,529</b>	<b>22.2</b>	<b>21.4</b>	<b>7.2</b>	<b>7.3</b>	<b>21.4</b>	<b>20.9</b>
African Am./Black	171	86,049	18.1	16.6	6.5	6.5	17.8	16.6
Am. Indian/Alaska Native	37	5,148	19.9	18.9	6.6	6.7	19.1	18.5
Caucasian Am./White	1,666	464,177	23.1	22.5	7.3	7.4	22.1	21.8
Hispanic	351	71,060	18.9	18.3	6.9	7.1	18.7	18.5
Asian Am./Pacific Islander	306	37,359	22.4	23.1	7.5	7.9	21.8	22.6
Other/No Response	416	106,736	23.1	22.2	7.4	7.5	22.2	21.7
Males	1,171	327,613	21.8	20.9	7.0	7.0	20.9	20.2
Females	1,690	421,968	22.4	21.7	7.4	7.6	21.7	21.3
Missing	86	20,948	23.1	23.9	7.3	7.9	22.1	23.2



