

ACT High School Profile Report

The Graduating Class of 2007
Colorado



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This report provides information about the performance of your 2007 graduating seniors who took the ACT as sophomores, juniors, or seniors.

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

How to Improve Scores and Increase College Readiness

20% of 2007 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. 49,146 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. 47% 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 17% of the cohort took less than three years of math courses. Of these students, 11% were college ready. 16% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 13% 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 22% of the cohort took less than three years of natural science courses. 10% of these students were college ready. In comparison, 30% 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 54% 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.

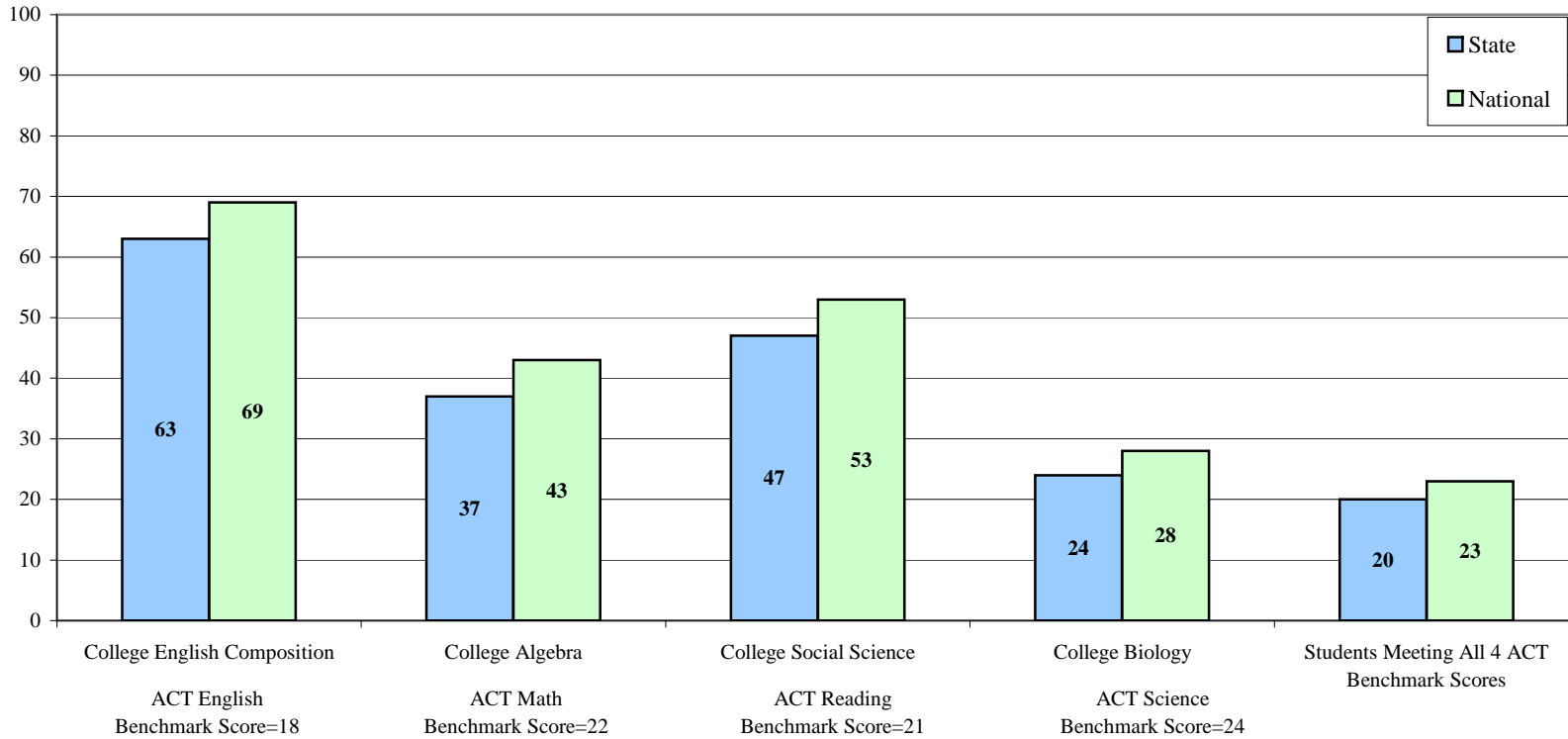
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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
2003	46,105	1,175,059	61	67	33	40	47	52	25	26	19	20
2004	46,183	1,171,460	62	68	36	40	48	52	24	26	19	21
2005	47,373	1,186,251	60	68	36	41	48	51	23	26	18	21
2006	47,105	1,206,455	63	69	35	42	49	53	25	27	19	21
2007	49,146	1,300,599	63	69	37	43	47	53	24	28	20	23

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
2003	46,105	1,175,059	19.3	20.3	19.7	20.6	20.3	21.2	20.5	20.8	20.1	20.8
2004	46,183	1,171,460	19.5	20.4	20.0	20.7	20.6	21.3	20.4	20.9	20.3	20.9
2005	47,373	1,186,251	19.3	20.4	20.0	20.7	20.6	21.3	20.2	20.9	20.2	20.9
2006	47,105	1,206,455	19.7	20.6	19.9	20.8	20.8	21.4	20.4	20.9	20.3	21.1
2007	49,146	1,300,599	19.7	20.7	20.1	21.0	20.8	21.5	20.4	21.0	20.4	21.2

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2003	1,175,059	20.3	20.6	21.2	20.8	20.8
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

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

Grad Year	Number of Students Tested		Percent ¹		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
2003	21,028	19,325	46	42	21.3	17.6	21.6	18.0	22.2	18.6	22.0	19.1	21.9	18.5
2004	21,430	18,924	46	41	21.5	17.5	22.0	18.2	22.5	18.9	22.0	18.8	22.1	18.5
2005	22,543	19,515	48	41	21.4	17.3	21.7	18.2	22.4	18.8	21.8	18.6	22.0	18.4
2006	22,505	18,350	48	39	21.6	17.7	21.5	18.1	22.5	19.0	21.9	18.9	22.0	18.6
2007	22,979	19,059	47	39	21.8	17.6	21.9	18.2	22.6	18.9	22.1	18.8	22.2	18.5

¹Percent 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

	2003			2004			2005			2006			2007		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	46,105	100	20.1	46,183	100	20.3	47,373	100	20.2	47,105	100	20.3	49,146	100	20.4
African American/Black	1,492	3	16.9	1,720	4	16.9	1,640	3	16.9	1,678	4	17.1	1,840	4	17.2
American Indian/Alaska Native	493	1	17.9	480	1	18.2	872	2	17.8	860	2	17.9	850	2	17.6
Caucasian American/White	27,780	60	21.2	27,451	59	21.4	26,669	56	21.5	25,462	54	21.7	26,304	54	21.8
Hispanic	5,344	12	17.0	5,703	12	17.1	6,207	13	17.0	6,370	14	17.3	6,571	13	17.2
Asian American/Pacific Islander	1,407	3	19.9	1,509	3	20.4	1,452	3	20.6	1,487	3	20.9	1,585	3	20.9
Other/No Response	9,589	21	19.2	9,320	20	19.5	10,533	22	19.2	11,248	24	19.7	11,996	24	19.8

Section II

Academic Achievement

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages for All Students

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	
36	55	100	84	100	313	100	101	100	7	100	36
35	258	100	216	100	427	99	234	100	91	100	35
34	714	99	378	99	598	98	235	99	195	100	34
33	225	98	283	99	791	97	439	99	279	99	33
32	573	97	462	98	933	96	112	98	445	99	32
31	726	96	493	97	1,128	94	504	98	603	98	31
30	806	95	504	96	1,141	91	304	97	802	97	30
29	1,375	93	1,127	95	1,268	89	647	96	1,066	95	29
28	1,193	90	1,150	93	1,524	87	814	95	1,428	93	28
27	1,178	88	1,597	90	1,669	83	1,669	93	1,705	90	27
26	1,886	86	2,303	87	1,646	80	1,776	90	1,976	87	26
25	2,283	82	2,169	83	1,867	77	2,691	86	2,331	83	25
24	2,213	77	2,784	78	3,099	73	2,362	81	2,699	78	24
23	2,160	73	2,324	72	2,517	67	3,514	76	2,924	72	23
22	3,070	68	2,357	68	2,085	62	4,315	69	3,069	66	22
21	3,186	62	1,836	63	2,140	57	4,344	60	3,263	60	21
20	3,276	55	2,546	59	3,966	53	4,505	51	3,518	53	20
19	2,973	49	3,493	54	2,339	45	4,186	42	3,335	46	19
18	2,782	43	2,970	47	2,244	40	4,219	33	3,439	39	18
17	1,935	37	4,375	41	2,394	36	2,065	25	3,335	32	17
16	2,802	33	6,047	32	3,695	31	1,947	21	3,130	26	16
15	3,249	27	4,348	20	2,081	23	1,859	17	2,940	19	15
14	2,408	21	3,268	11	3,319	19	1,761	13	2,511	13	14
13	1,551	16	1,499	4	1,776	12	2,258	9	2,089	8	13
12	1,366	13	310	1	2,226	9	912	5	1,302	4	12
11	1,340	10	177	1	1,310	4	624	3	520	1	11
10	1,136	7	25	1	331	1	398	2	115	1	10
9	572	5	12	1	183	1	193	1	21	1	9
8	1,235	4	0	1	71	1	103	1	4	1	8
7	438	1	8	1	16	1	40	1	2	1	7
6	141	1	0	1	36	1	10	1	2	1	6
5	24	1	0	1	10	1	4	1	0	1	5
4	11	1	0	1	3	1	0	1	0	1	4
3	6	1	1	1	0	1	1	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)	19.7 (6.3)		20.1 (5.2)		20.8 (6.3)		20.4 (4.9)		20.4 (5.1)		Avg (SD)

¹Note: 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 (CP¹), 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 ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	
18	1,399	100	218	100	628	100	1,672	100	1,246	100	278	100	273	100	18
17	1,827	97	712	100	2,456	99	2,267	97	1,631	97	474	99	375	99	17
16	1,751	93	2,250	98	2,037	94	2,913	92	2,102	94	793	98	974	99	16
15	1,634	90	2,326	94	3,533	90	3,177	86	2,406	90	1,573	97	3,186	97	15
14	2,432	87	3,502	89	2,668	82	1,486	80	3,046	85	2,927	94	2,807	90	14
13	3,564	82	2,724	82	3,051	77	3,779	77	4,803	79	3,363	88	3,591	85	13
12	2,773	74	5,741	76	4,543	71	3,794	69	3,130	69	4,583	81	6,033	77	12
11	4,083	69	5,095	64	4,303	62	3,639	61	3,220	63	6,298	72	4,676	65	11
10	5,545	60	5,807	54	7,095	53	3,878	54	5,354	56	5,734	59	8,628	55	10
9	3,919	49	5,443	42	4,621	38	3,803	46	3,196	45	5,284	47	5,259	38	9
8	4,961	41	5,681	31	4,839	29	5,878	38	5,510	39	5,453	36	4,763	27	8
7	4,552	31	3,382	20	3,451	19	3,382	26	7,705	27	4,947	25	3,698	17	7
6	2,981	22	1,778	13	2,647	12	3,340	19	3,723	12	3,811	15	2,633	10	6
5	3,629	16	2,322	9	1,686	7	3,916	12	1,648	4	2,237	7	152	5	5
4	1,851	8	1,416	4	1,012	3	1,315	5	309	1	203	3	1,440	4	4
3	1,614	5	594	2	419	1	602	2	27	1	992	2	95	1	3
2	560	1	149	1	117	1	296	1	83	1	0	1	465	1	2
1	71	1	6	1	40	1	9	1	7	1	196	1	98	1	1
Avg (SD)	9.7 (3.9)		10.2 (3.3)		10.6 (3.5)		10.4 (4.0)		10.4 (3.5)		9.8 (3.1)		10.3 (3.0)		Avg (SD)

¹Note: 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	24	25	23	24
Q2 (50th Percentile)	20	19	20	20	20
Q1 (25th Percentile)	15	16	16	18	16

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	All Students	49,146	47	22.2	18.5
	African Am./Black	1,840	41	18.3	16.3
	Am. Indian/Alaska Native	850	38	19.4	16.3
	Caucasian Am./White	26,304	53	23.2	19.7
	Hispanic	6,571	38	18.7	16.1
	Asian Am./Pacific Islander	1,585	55	22.2	19.0
	Other/No Response	11,996	38	21.9	18.2
National	All Students	1,300,599	51	22.0	19.8
	African Am./Black	152,412	51	17.7	16.1
	Am. Indian/Alaska Native	14,044	46	20.3	17.6
	Caucasian Am./White	779,147	54	23.0	20.7
	Hispanic	93,137	50	19.5	17.7
	Asian Am./Pacific Islander	42,257	57	23.1	21.4
	Other/No Response	219,602	38	22.5	20.4

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	19.7	20.1	20.8	20.4	20.4
	African Am./Black	16.2	16.9	17.3	17.7	17.2
	Am. Indian/Alaska Native	16.3	17.6	18.0	18.1	17.6
	Caucasian Am./White	21.4	21.3	22.2	21.7	21.8
	Hispanic	15.8	17.3	17.3	17.7	17.2
	Asian Am./Pacific Islander	19.6	21.6	20.6	21.1	20.9
	Other/No Response	19.1	19.5	20.2	19.8	19.8
National	All Students	20.7	21.0	21.5	21.0	21.2
	African Am./Black	16.1	17.0	17.1	17.2	17.0
	Am. Indian/Alaska Native	17.9	18.7	19.4	19.2	18.9
	Caucasian Am./White	21.8	21.7	22.5	21.9	22.1
	Hispanic	17.6	19.0	18.8	18.8	18.7
	Asian Am./Pacific Islander	21.7	23.6	22.1	22.3	22.6
	Other/No Response	21.2	21.5	22.0	21.3	21.6

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	1,252	3	961	2	2,129	4	1,009	2
	28 to 32	4,673	10	3,736	8	5,994	12	2,381	5
	24 to 27	7,560	15	8,853	18	8,281	17	8,498	17
	20 to 23	11,692	24	9,063	18	10,708	22	16,678	34
	16 to 19	10,492	21	16,885	34	10,672	22	12,417	25
	13 to 15	7,208	15	9,115	19	7,176	15	5,878	12
	01 to 12	6,269	13	533	1	4,186	9	2,285	5
National	33 to 36	44,569	3	29,067	2	58,782	5	26,450	2
	28 to 32	133,320	10	120,951	9	183,189	14	80,170	6
	24 to 27	228,570	18	268,298	21	224,580	17	258,834	20
	20 to 23	348,772	27	284,073	22	317,869	24	458,484	35
	16 to 19	278,059	21	427,859	33	281,941	22	319,915	25
	13 to 15	154,534	12	161,072	12	159,904	12	95,630	7
	01 to 12	112,775	9	9,279	1	74,334	6	61,116	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	23,274	47	19.0	20.4	20.1	20.6	20.2
	Females	24,005	49	20.4	19.7	21.3	20.2	20.5
	Missing	1,867	4	21.1	21.4	21.7	21.5	21.6
National	Males	544,522	42	20.2	21.6	21.2	21.4	21.2
	Females	674,636	52	21.0	20.4	21.6	20.5	21.0
	Missing	81,441	6	21.7	21.9	22.4	21.7	22.1

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	58	39	43	26	21
	Females	67	35	50	22	18
National	Males	66	47	51	32	26
	Females	71	38	53	24	20

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

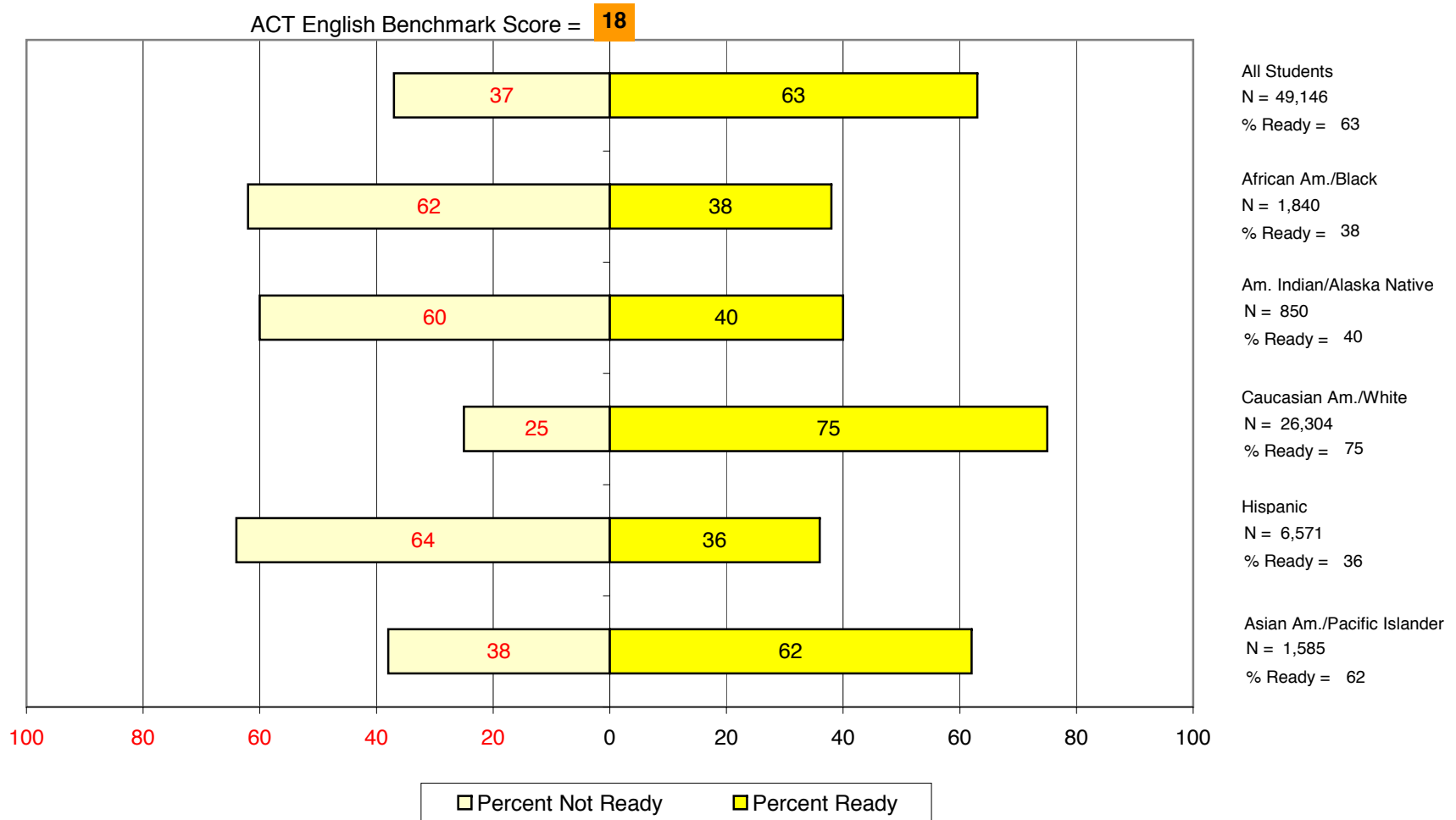


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

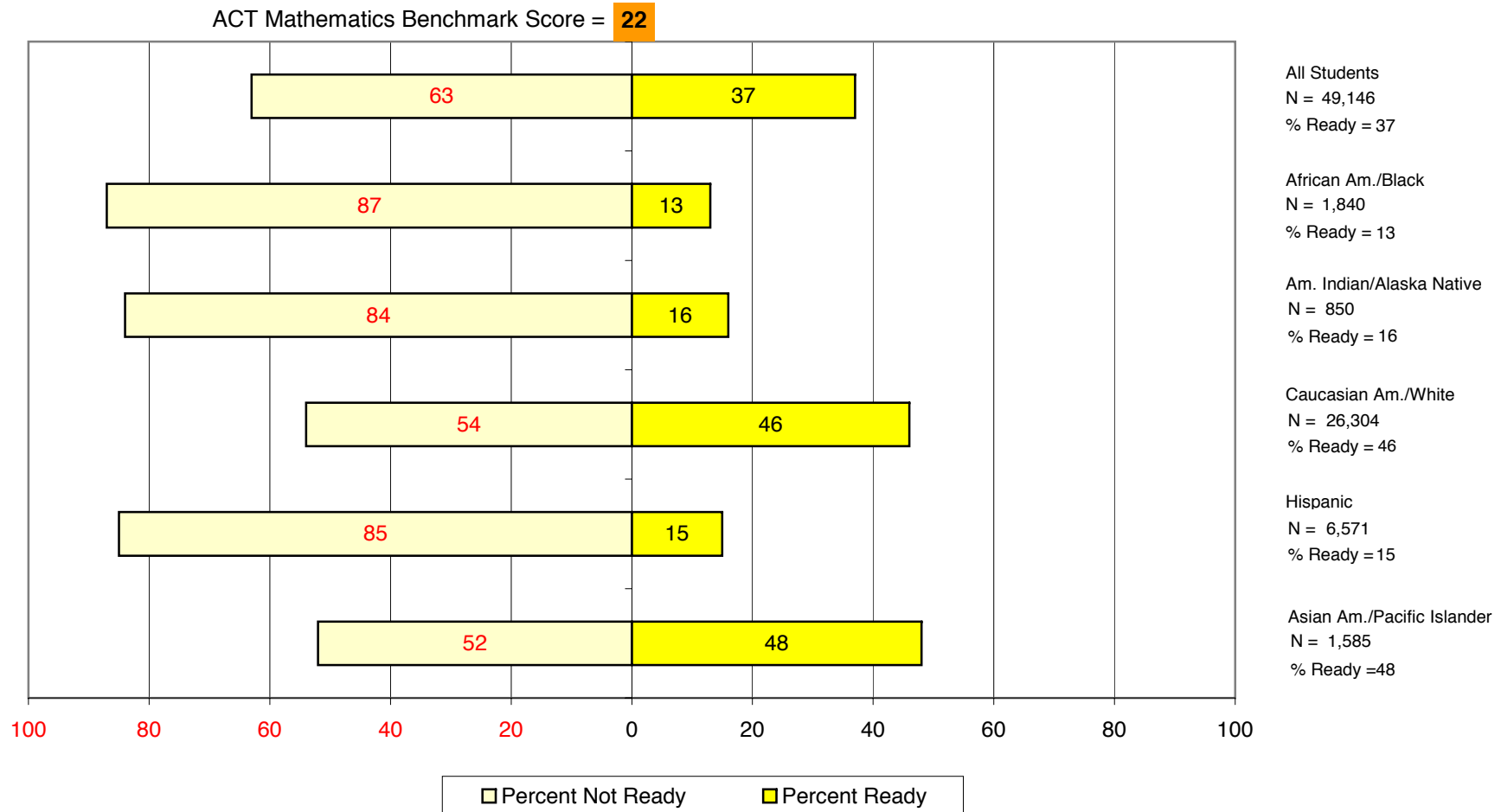


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

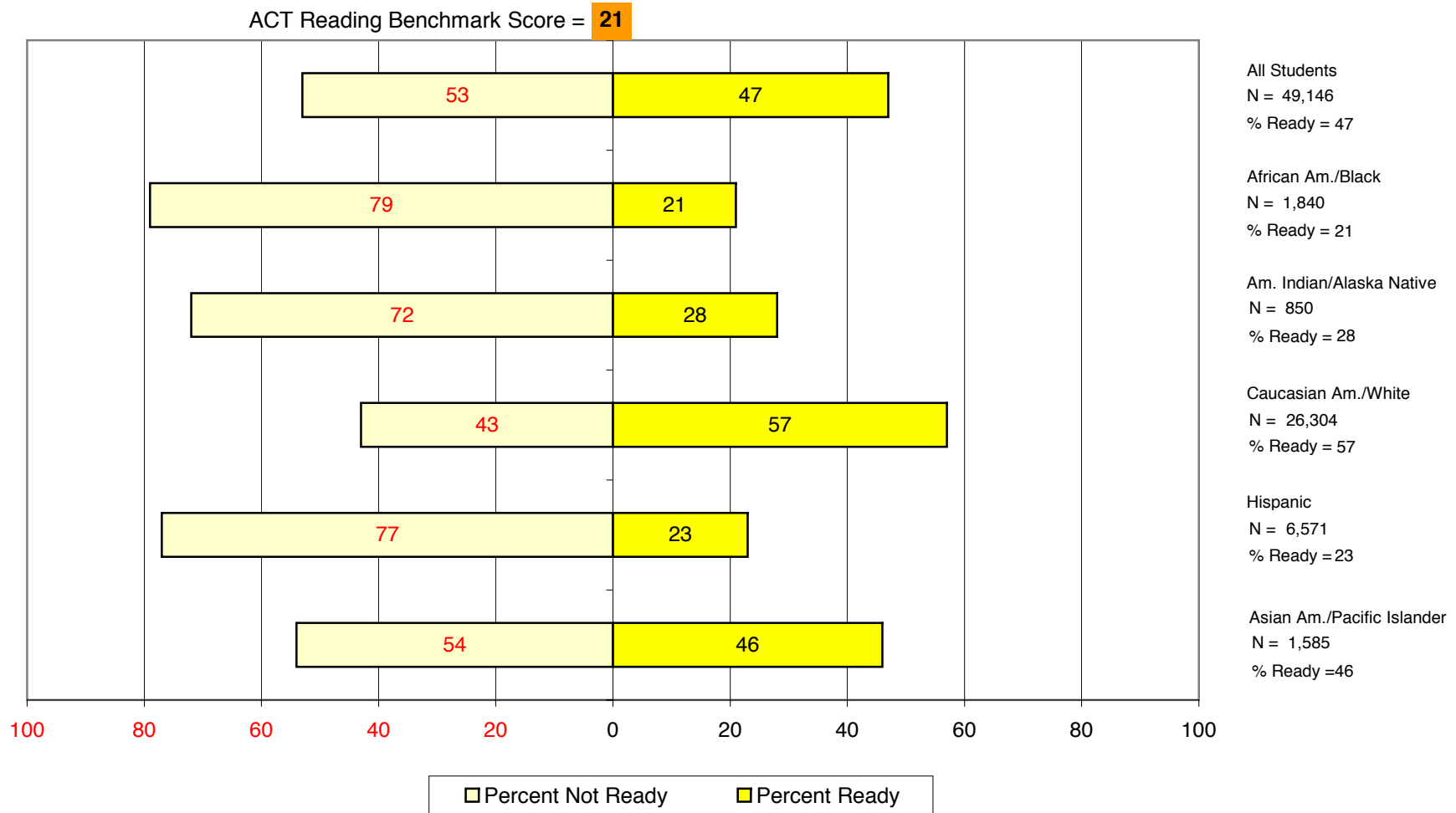


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

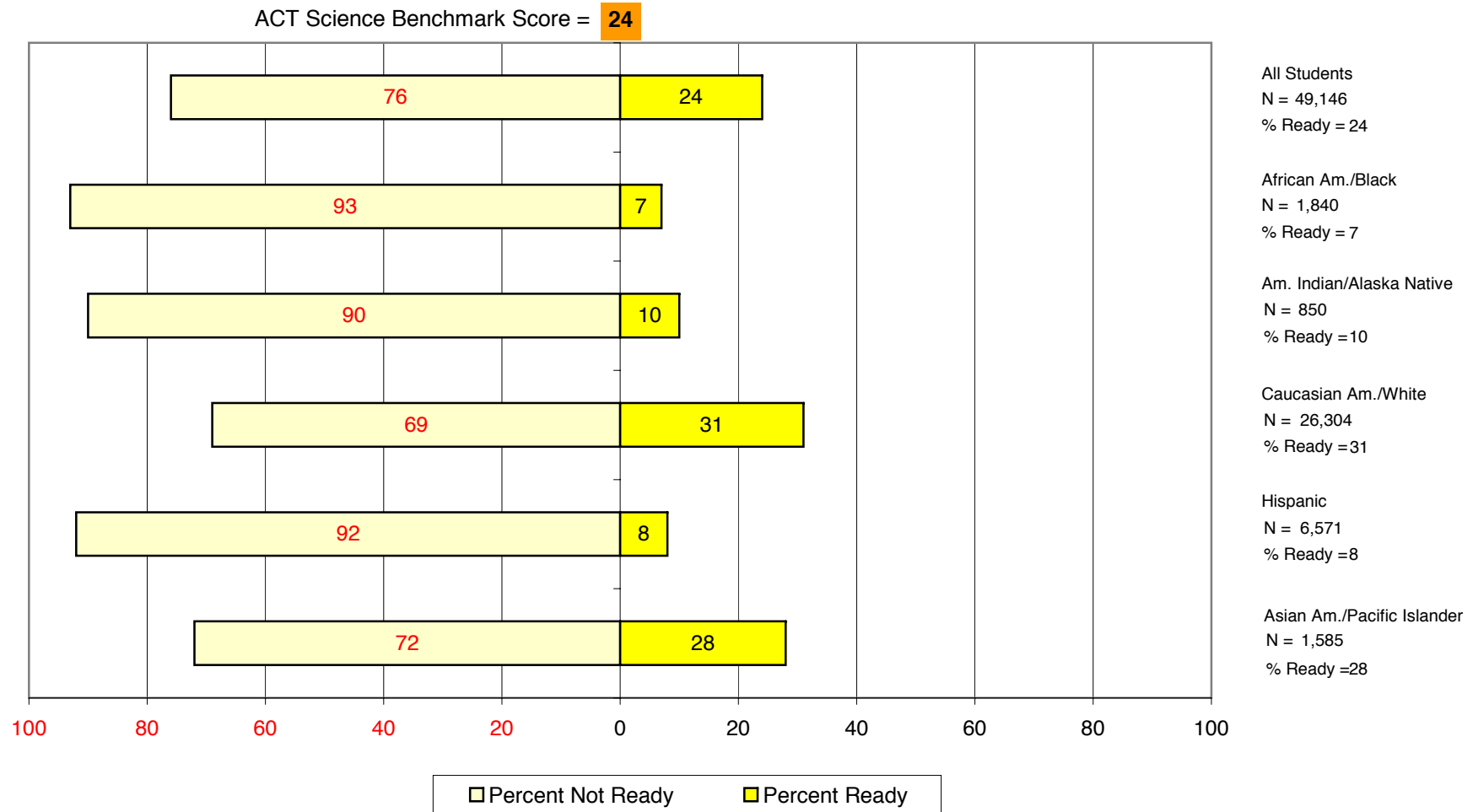


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

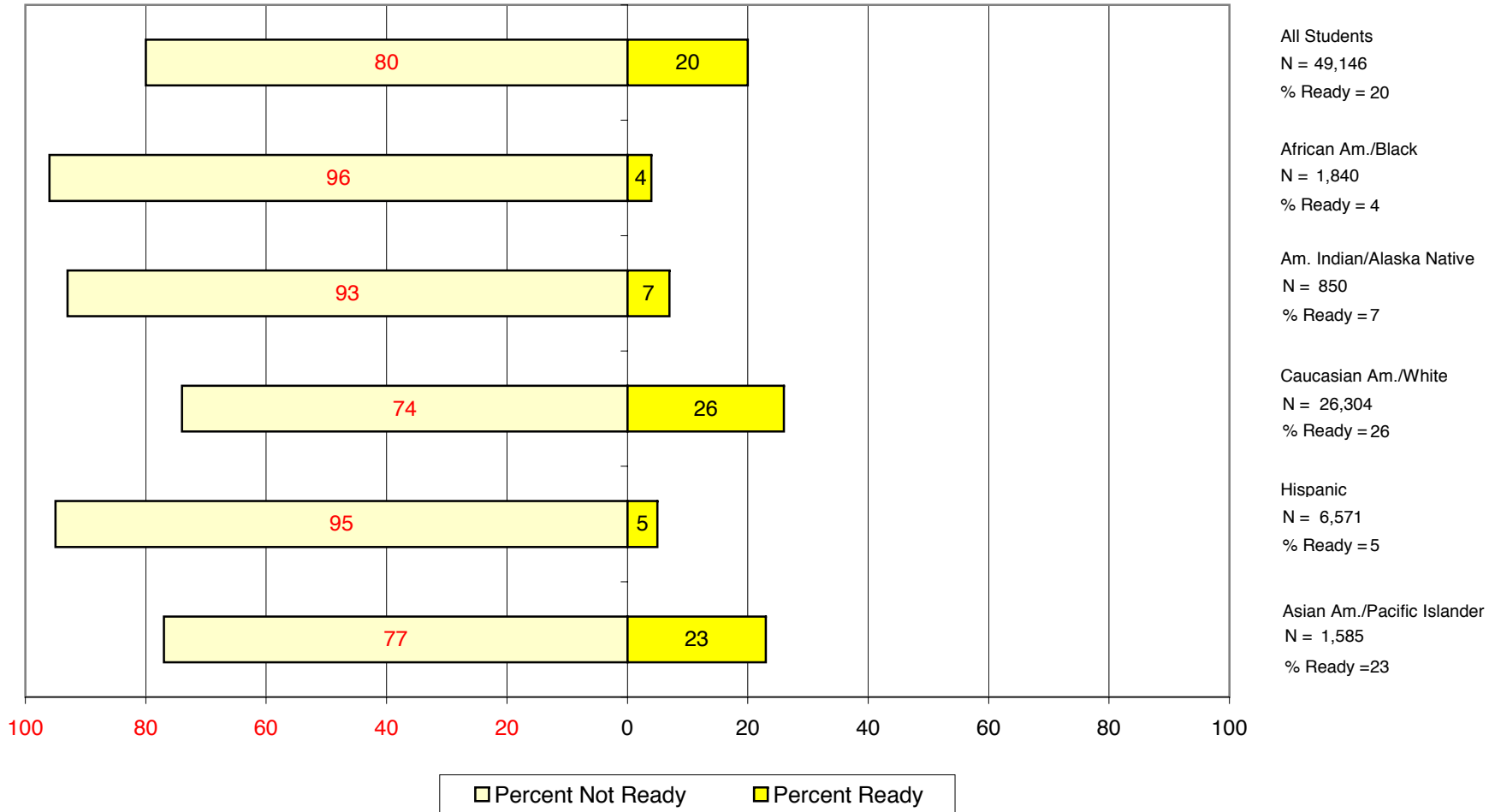


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	10,493	21	21.2	3.7	4,328	19	20.5	3.6	5,898	25	21.7	3.7
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	23,896	49	20.1	2.6	11,671	50	19.5	2.6	11,563	48	20.7	2.7
Less than 4 years of English	7,460	15	17.5	-	3,880	17	16.9	-	3,338	14	18.0	-
No English course/grade information reported	7,297	15	18.9	-	3,395	15	17.9	-	3,206	13	19.3	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	3,044	6	24.5	7.7	1,449	6	25.0	8.0	1,511	6	23.8	7.3
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,624	7	22.3	5.5	1,409	6	22.8	5.8	2,099	9	21.9	5.4
Alg 1, Alg 2, Geom, & Trig	3,780	8	20.5	3.7	1,743	7	21.1	4.1	1,931	8	20.1	3.6
Alg 1, Alg 2, Geom, & Other Adv Math	4,307	9	20.0	3.2	1,703	7	20.4	3.4	2,468	10	19.7	3.2
Other comb of 4 or more years of Math	8,556	17	23.7	6.9	4,500	19	24.2	7.2	3,821	16	23.1	6.6
Alg 1, Alg 2, & Geom (Min. Core)	7,921	16	17.6	0.8	3,738	16	17.8	0.8	3,980	17	17.4	0.9
Other comb of 3 or 3.5 years of Math	2,073	4	19.8	3.0	1,043	4	20.2	3.2	993	4	19.5	3.0
Less than 3 years of Math	8,250	17	16.8	-	4,169	18	17.0	-	3,861	16	16.5	-
No Math course/grade information reported	7,591	15	19.5	-	3,520	15	19.5	-	3,341	14	19.0	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	746	2	21.5	2.7	388	2	20.7	2.5	342	1	22.5	3.3
Other comb of 4 or more years Social Science	19,789	40	21.8	3.0	8,724	37	21.3	3.1	10,539	44	22.2	3.0
US Hist, World Hist, & Am Gov (Min. Core)	1,897	4	19.3	0.5	1,063	5	19.0	0.8	792	3	19.8	0.6
Other comb of 3 or 3.5 years of Social Science	12,565	26	20.9	2.1	6,087	26	20.4	2.2	6,159	26	21.4	2.2
Less than 3 years of Social Science	6,554	13	18.8	-	3,479	15	18.2	-	2,838	12	19.2	-
No Soc Sci course/grade information reported	7,595	15	19.8	-	3,533	15	19.1	-	3,335	14	20.0	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	13,518	28	21.9	3.6	6,953	30	22.4	4.3	6,231	26	21.4	3.1
Bio, Chem, Phys	2,103	4	24.0	5.7	1,030	4	24.7	6.6	986	4	23.2	4.9
Gen Sci ² , Bio, Chem (Min. Core)	12,698	26	20.5	2.2	5,169	22	20.4	2.3	7,181	30	20.6	2.3
Other comb of 3 years of Natural Science	2,291	5	20.5	2.2	1,296	6	20.9	2.8	933	4	19.9	1.6
Less than 3 years of Natural Science	10,817	22	18.3	-	5,252	23	18.1	-	5,274	22	18.3	-
No Nat Sci course/grade information reported	7,719	16	19.8	-	3,574	15	19.7	-	3,400	14	19.5	-

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

²Includes 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
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	10,493	21	21.2	72	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	23,896	49	20.1	65	766,001	59	20.5	68
Less than 4 years of English	7,460	15	17.5	48	141,777	11	19.7	64
No English course/grade information reported	7,297	15	18.9	57	201,619	16	20.7	69
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	3,044	6	24.5	74	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,624	7	22.3	59	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	3,780	8	20.5	42	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	4,307	9	20.0	36	163,562	13	20.4	38
Other comb of 4 or more years of Math	8,556	17	23.7	66	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	7,921	16	17.6	13	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	2,073	4	19.8	33	57,945	4	20.9	43
Less than 3 years of Math	8,250	17	16.8	11	145,617	11	18.3	21
No Math course/grade information reported	7,591	15	19.5	32	211,787	16	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	746	2	21.5	50	31,985	2	22.7	61
Other comb of 4 or more years Social Science	19,789	40	21.8	55	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	1,897	4	19.3	37	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	12,565	26	20.9	47	333,689	26	21.4	52
Less than 3 years of Social Science	6,554	13	18.8	33	201,605	16	20.6	47
No Soc Sci course/grade information reported	7,595	15	19.8	41	212,012	16	21.5	53
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	13,518	28	21.9	36	333,648	26	22.4	40
Bio, Chem, Phys	2,103	4	24.0	53	115,297	9	23.4	48
Gen Sci ¹ , Bio, Chem (Min. Core)	12,698	26	20.5	21	353,348	27	20.2	20
Other comb of 3 years of Natural Science	2,291	5	20.5	24	32,593	3	20.4	24
Less than 3 years of Natural Science	10,817	22	18.3	10	247,312	19	19.1	15
No Nat Sci course/grade information reported	7,719	16	19.8	21	218,401	17	20.9	29

¹Includes 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 ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture Sciences & Technologies	710	1	18.3	154	4	15.9	479	2	19.3
Architecture & Environmental Design	915	2	20.4	77	2	16.6	771	3	21.0
Business & Management	3,501	7	20.5	312	7	16.3	2,997	10	21.2
Business & Office	185	0	18.4	38	1	15.3	128	0	19.4
Marketing & Distribution	319	1	19.5	42	1	16.9	246	1	20.0
Communications & Comm. Technologies	991	2	21.5	79	2	16.4	863	3	22.2
Community & Personal Services	1,445	3	17.7	380	9	16.3	931	3	18.4
Computer & Information Sciences	823	2	21.4	95	2	16.8	666	2	22.2
Cross-Disciplinary Studies	35	0	22.3	1	0	12.0	31	0	23.4
Education	1,062	2	20.6	58	1	16.4	923	3	21.0
Teacher Education	899	2	20.2	63	1	15.3	783	3	20.7
Engineering	2,252	5	22.3	233	5	15.8	1,894	6	23.4
Engineering-Related Technologies	987	2	21.7	114	3	15.9	822	3	22.6
Foreign Languages	254	1	22.5	23	1	16.4	217	1	23.4
Health Sciences & Allied Health Fields	4,777	10	20.3	415	10	16.6	4,115	14	20.8
Human, Family & Consumer Science	709	1	18.3	145	3	17.0	481	2	18.8
Letters	411	1	24.1	23	1	19.2	363	1	24.6
Mathematics	155	0	24.2	7	0	14.7	141	0	24.9
Philosophy, Religion & Theology	249	1	21.8	18	0	16.4	198	1	22.6
Sciences (Biological & Physical)	1,745	4	23.4	52	1	16.9	1,611	5	23.7
Social Sciences	2,622	5	22.1	61	1	16.9	2,427	8	22.4
Trade & Industrial	867	2	17.5	440	10	17.0	330	1	18.5
Visual & Performing Arts	3,533	7	20.4	483	11	17.3	2,674	9	21.2
Undecided	5,072	10	20.5	559	13	16.3	3,854	13	21.5
No Response	14,628	30	19.6	421	10	15.1	2,384	8	21.2

¹2-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*.

²Percent 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	1,266	16.4	42	15.5	54	15.3	653	17.5	317	14.7	29	15.4	171	16.5
2-yr College Degree	3,027	16.4	130	14.8	95	15.0	1,449	17.6	805	14.9	89	15.6	459	16.3
Bachelors Degree	13,495	20.4	506	16.7	241	17.9	8,706	21.3	1,762	17.5	373	19.9	1,907	20.0
Graduate Study	6,662	23.0	206	18.9	92	19.6	4,513	23.9	644	19.1	237	22.8	970	22.8
Prof. Level Degree	10,172	22.0	476	18.2	169	19.4	5,867	23.2	1,427	18.6	491	22.8	1,742	21.9
Other	2,247	17.5	95	15.7	71	16.3	1,123	18.5	431	15.5	69	17.1	458	17.3
No Response	12,277	19.6	385	16.8	128	17.0	3,993	21.3	1,185	16.6	297	20.4	6,289	19.2

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
STATE-COLLEGE/NO REPORTS NOW	Iowa	10,633	10,489	144	6	22	30	22	13	6	1
COLORADO STATE UNIVERSITY	Colorado	10,363	4,174	6,189	1	6	23	35	25	10	1
UNIV OF COLORADO-BOULDER	Colorado	9,640	3,395	6,245	1	6	20	31	27	14	1
UNIV OF NORTHERN COLORADO	Colorado	6,327	1,770	4,557	1	7	29	36	20	6	0
UNIVERSITY OF DENVER	Colorado	3,713	788	2,925	2	10	21	27	26	15	1
METROPOLITAN STATE COLL OF DENVER THE	Colorado	3,511	1,199	2,312	4	20	38	27	10	2	0
UNIV OF COLORADO-COLORADO SPRINGS	Colorado	2,763	699	2,064	1	9	28	35	21	6	0
U OF COLORADO AT DENVER/HLTH SCI CNTR	Colorado	2,388	552	1,836	3	13	28	31	19	6	0
MESA STATE COLLEGE	Colorado	2,020	663	1,357	2	13	39	32	12	2	0
COLORADO SCHOOL OF MINES	Colorado	1,843	686	1,157	0	3	9	22	35	27	3
STATE-NO COLLEGE PLANS	Iowa	1,628	1,583	45	19	41	28	9	3	0	0
COLORADO STATE UNIVERSITY-PUEBLO	Colorado	1,486	458	1,028	2	16	36	30	12	3	0
FORT LEWIS COLLEGE	Colorado	1,422	403	1,019	1	8	35	35	17	4	0
ADAMS STATE COLLEGE	Colorado	1,342	449	893	4	18	37	29	10	2	0
COLORADO COLLEGE	Colorado	1,301	336	965	2	11	22	26	21	16	2
FRONT RANGE COMMUNITY COLLEGE	Colorado	1,186	400	786	5	23	41	23	7	1	0
ART INSTITUTE OF COLORADO THE	Colorado	1,146	389	757	4	19	36	27	12	2	0
ARIZONA STATE UNIV AT THE TEMPE CAMPUS	Arizona	1,120	314	806	1	7	24	34	25	8	0
WESTERN STATE COLLEGE OF COLORADO	Colorado	1,108	269	839	1	10	34	36	15	4	0
REGIS UNIVERSITY	Colorado	1,033	222	811	2	16	27	29	18	7	0
UNIVERSITY OF WYOMING	Wyoming	970	255	715	1	7	25	36	23	9	0
NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE	Iowa	944	506	438	1	5	22	35	26	11	1
COMMUNITY COLLEGE OF DENVER	Colorado	918	198	720	12	39	33	11	4	1	0
PIKES PEAK COMMUNITY COLLEGE	Colorado	904	300	604	2	21	38	27	10	1	0
RED ROCKS COMMUNITY COLLEGE	Colorado	763	184	579	4	25	40	21	8	2	0
JOHNSON & WALES UNIVERSITY-DENVER	Colorado	739	274	465	6	21	35	25	12	2	0
UNIVERSITY OF ARIZONA	Arizona	690	143	547	2	8	22	32	27	8	1
AIMS COMMUNITY COLLEGE	Colorado	670	254	416	7	28	40	17	6	1	0
COLORADO CHRISTIAN UNIVERSITY	Colorado	658	203	455	1	11	26	31	22	8	0
ARAPAHOE COMMUNITY COLLEGE	Colorado	619	218	401	3	21	40	26	7	2	0
All Other Institutions		44,283	10,587	33,696	3	13	24	25	21	13	2
Total		118,131	42,360	75,771	3	13	26	27	19	10	1

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
All Students	5,539	532,943	24.4	22.3	8.0	7.6	23.8	21.8
African Am./Black	208	50,340	20.0	17.2	7.4	6.7	19.9	17.3
Am. Indian/Alaska Native	41	3,462	22.0	19.8	7.6	7.0	21.6	19.4
Caucasian Am./White	3,377	308,578	25.0	23.4	8.1	7.6	24.2	22.6
Hispanic	412	42,588	21.0	18.8	7.5	7.3	20.9	19.0
Asian Am./Pacific Islander	228	25,616	24.2	23.2	8.2	8.0	23.8	22.8
Other/No Response	1,273	102,359	24.8	23.2	8.1	7.8	24.1	22.7
Males	2,114	204,427	24.0	22.0	7.7	7.3	23.1	21.3
Females	2,848	285,556	24.8	22.5	8.2	7.7	24.2	22.1
Missing	577	42,960	24.4	23.0	8.1	7.8	23.8	22.6

