

ACT High School Profile Report

The Graduating Class of 2006
Colorado



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This report provides information about the performance of your 2006 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 - college 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: A Test Like No Other

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

19% of 2006 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. 47,105 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. 48% 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 16% of the cohort took less than three years of math courses. Of these students, 9% 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, 50% 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. 11% 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 2.4 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 55% 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.

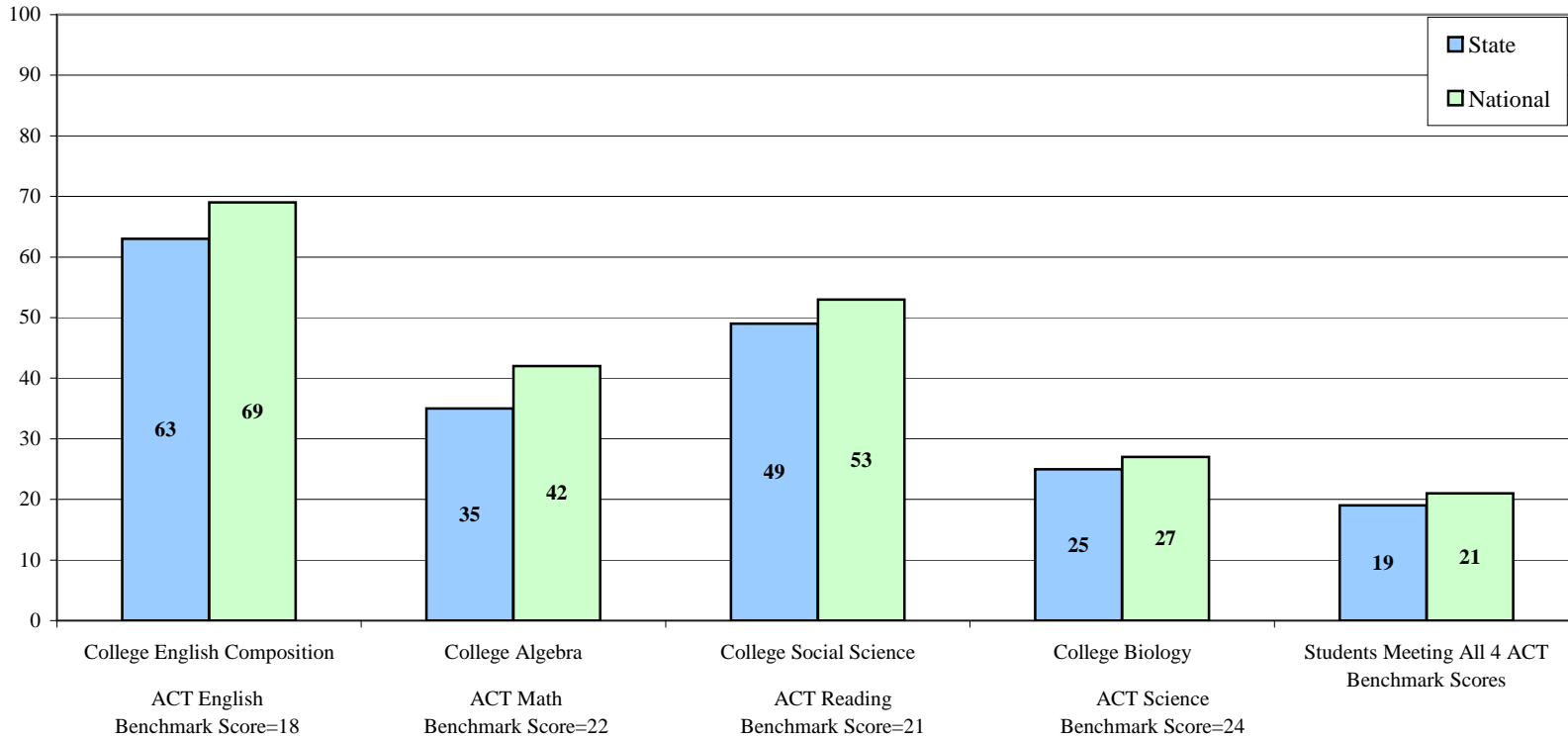
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 courses.

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
2002	43,744	1,116,082	61	67	34	39	49	53	24	26	18	20
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

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
2002	43,744	1,116,082	19.3	20.2	19.8	20.6	20.4	21.1	20.2	20.8	20.1	20.8
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2002	1,116,082	20.2	20.6	21.1	20.8	20.8
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

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
2002	20,470	18,971	47	43	21.4	17.4	21.7	18.0	22.4	18.6	21.8	18.7	22.0	18.3
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

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

	2002			2003			2004			2005			2006		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	43,744	100	20.1	46,105	100	20.1	46,183	100	20.3	47,373	100	20.2	47,105	100	20.3
African American/Black	1,396	3	16.9	1,492	3	16.9	1,720	4	16.9	1,640	3	16.9	1,678	4	17.1
American Indian/Alaskan Native	411	1	18.4	493	1	17.9	480	1	18.2	872	2	17.8	860	2	17.9
Caucasian American/White	26,015	59	21.2	27,780	60	21.2	27,451	59	21.4	26,669	56	21.5	25,462	54	21.7
Hispanic	4,684	11	16.9	5,344	12	17.0	5,703	12	17.1	6,207	13	17.0	6,370	14	17.3
Asian American/Pacific Islander	1,417	3	20.1	1,407	3	19.9	1,509	3	20.4	1,452	3	20.6	1,487	3	20.9
Other/No Response	9,821	22	19.1	9,589	21	19.2	9,320	20	19.5	10,533	22	19.2	11,248	24	19.7

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	31	100	65	100	354	100	168	100	16	100	36
35	315	100	179	100	427	99	218	100	68	100	35
34	384	99	311	99	580	98	268	99	165	100	34
33	410	98	99	99	727	97	84	99	254	99	33
32	458	98	421	99	715	96	399	98	362	99	32
31	555	97	371	98	894	94	159	98	517	98	31
30	1,069	95	507	97	1,076	92	356	97	760	97	30
29	785	93	935	96	1,140	90	634	96	988	95	29
28	1,310	91	1,172	94	1,890	87	841	95	1,229	93	28
27	1,388	89	1,466	91	1,424	83	1,031	93	1,521	91	27
26	1,648	86	2,192	88	1,616	80	2,443	91	1,854	88	26
25	2,167	82	2,005	84	2,720	77	1,603	86	2,157	84	25
24	2,007	78	2,124	79	1,757	71	3,339	83	2,560	79	24
23	2,068	73	2,193	75	2,062	67	3,701	75	2,853	74	23
22	2,909	69	2,301	70	3,361	63	2,836	68	3,009	68	22
21	3,068	63	2,418	65	2,125	56	4,222	62	3,343	61	21
20	3,294	56	2,561	60	2,310	51	4,623	53	3,431	54	20
19	2,996	49	2,546	55	3,829	47	4,584	43	3,492	47	19
18	2,872	43	3,713	49	2,210	38	4,020	33	3,357	39	18
17	2,059	37	4,475	41	2,511	34	2,164	25	3,308	32	17
16	2,746	33	5,641	32	2,058	28	2,053	20	3,199	25	16
15	2,898	27	4,154	20	2,154	24	1,677	16	2,717	18	15
14	2,532	21	3,133	11	3,434	19	2,433	12	2,437	13	14
13	1,633	15	1,299	5	2,768	12	1,228	7	1,917	7	13
12	880	12	610	2	1,291	6	823	4	1,104	3	12
11	1,399	10	154	1	1,120	4	535	3	375	1	11
10	1,122	7	39	1	304	1	361	1	73	1	10
9	815	4	12	1	130	1	190	1	28	1	9
8	825	3	0	1	23	1	60	1	8	1	8
7	339	1	6	1	54	1	33	1	3	1	7
6	75	1	1	1	25	1	14	1	0	1	6
5	34	1	1	1	6	1	3	1	0	1	5
4	7	1	0	1	6	1	0	1	0	1	4
3	5	1	1	1	0	1	2	1	0	1	3
2	1	1	0	1	2	1	0	1	0	1	2
1	1	1	0	1	2	1	0	1	0	1	1
Average	19.7		19.9		20.8		20.4		20.3		Average

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	816	100	286	100	531	100	961	100	710	100	182	100	192	100	18
17	1,598	98	780	99	2,274	99	2,906	98	1,199	98	412	100	386	100	17
16	1,831	95	1,371	98	2,537	94	2,456	92	2,317	96	631	99	893	99	16
15	1,548	91	2,890	95	2,136	89	2,803	87	2,078	91	1,562	97	2,500	97	15
14	2,816	88	3,489	89	2,281	84	3,050	81	3,684	87	2,215	94	2,901	92	14
13	1,931	82	2,698	81	4,921	79	3,157	74	3,134	79	3,154	89	4,966	85	13
12	3,452	78	5,129	76	3,924	69	3,650	67	3,471	72	4,113	83	4,104	75	12
11	3,913	70	5,967	65	4,042	61	3,488	60	4,418	65	6,176	74	4,061	66	11
10	5,601	62	5,714	52	4,348	52	5,729	52	3,170	55	5,997	61	8,455	58	10
9	4,281	50	4,324	40	4,652	43	3,867	40	4,570	49	6,482	48	4,953	40	9
8	4,030	41	4,896	31	7,240	33	3,413	32	5,577	39	5,383	34	7,527	29	8
7	5,371	32	3,331	20	3,305	17	3,235	25	7,034	27	4,305	23	891	13	7
6	3,441	21	2,713	13	2,469	10	3,193	18	3,598	12	3,474	14	2,672	11	6
5	2,765	14	1,935	7	372	5	3,530	11	1,679	5	376	6	198	6	5
4	1,944	8	1,125	3	1,247	4	1,141	4	328	1	1,763	6	1,515	5	4
3	1,159	4	374	1	592	2	401	1	49	1	729	2	101	2	3
2	574	1	80	1	170	1	109	1	77	1	8	1	663	2	2
1	34	1	3	1	64	1	16	1	12	1	143	1	127	1	1
Average	9.7		10.3		10.6		10.6		10.2		9.7		10.2		Average

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

Table 2.3. 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	47,105	48	22.0	18.6
	African Am./Black	1,678	41	18.3	16.3
	Am. Indian/Alaskan Native	860	41	19.7	16.6
	Caucasian Am./White	25,462	54	23.0	19.7
	Hispanic	6,370	40	18.6	16.3
	Asian Am./Pacific Islander	1,487	55	22.0	19.2
	Other/No Response	11,248	39	21.6	18.2
National	All Students	1,206,455	54	22.0	19.7
	African Am./Black	139,118	53	17.8	16.2
	Am. Indian/Alaskan Native	13,635	48	20.2	17.5
	Caucasian Am./White	760,084	56	22.9	20.6
	Hispanic	85,796	52	19.5	17.6
	Asian Am./Pacific Islander	39,867	60	22.9	21.1
	Other/No Response	167,955	41	22.2	19.8

Table 2.4. 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	1,140	2	654	1	2,088	4	738	2
	28 to 32	4,177	9	3,406	7	5,715	12	2,389	5
	24 to 27	7,210	15	7,787	17	7,517	16	8,416	18
	20 to 23	11,339	24	9,473	20	9,858	21	15,382	33
	16 to 19	10,673	23	16,375	35	10,608	23	12,821	27
	13 to 15	7,063	15	8,586	18	8,356	18	5,338	11
	01 to 12	5,503	12	824	2	2,963	6	2,021	4
National	33 to 36	35,933	3	24,395	2	56,816	5	18,798	2
	28 to 32	126,394	10	103,455	9	150,082	12	67,815	6
	24 to 27	205,310	17	250,510	21	224,470	19	238,007	20
	20 to 23	321,306	27	264,179	22	280,741	23	419,135	35
	16 to 19	267,738	22	399,519	33	269,040	22	326,445	27
	13 to 15	149,825	12	154,528	13	156,903	13	90,944	8
	01 to 12	99,949	8	9,869	1	68,403	6	45,311	4

Table 2.5. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	22,154	47	19.0	20.2	20.3	20.6	20.2
	Females	23,372	50	20.3	19.6	21.3	20.3	20.5
	Missing	1,579	3	19.9	20.3	20.9	20.5	20.5
National	Males	517,563	43	20.1	21.5	21.1	21.4	21.2
	Females	646,688	54	21.0	20.3	21.6	20.5	21.0
	Missing	42,204	3	20.6	21.1	21.6	20.8	21.1

Table 2.6. 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	37	45	27	20
	Females	67	32	52	22	17
National	Males	66	47	51	32	25
	Females	71	37	55	23	18

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

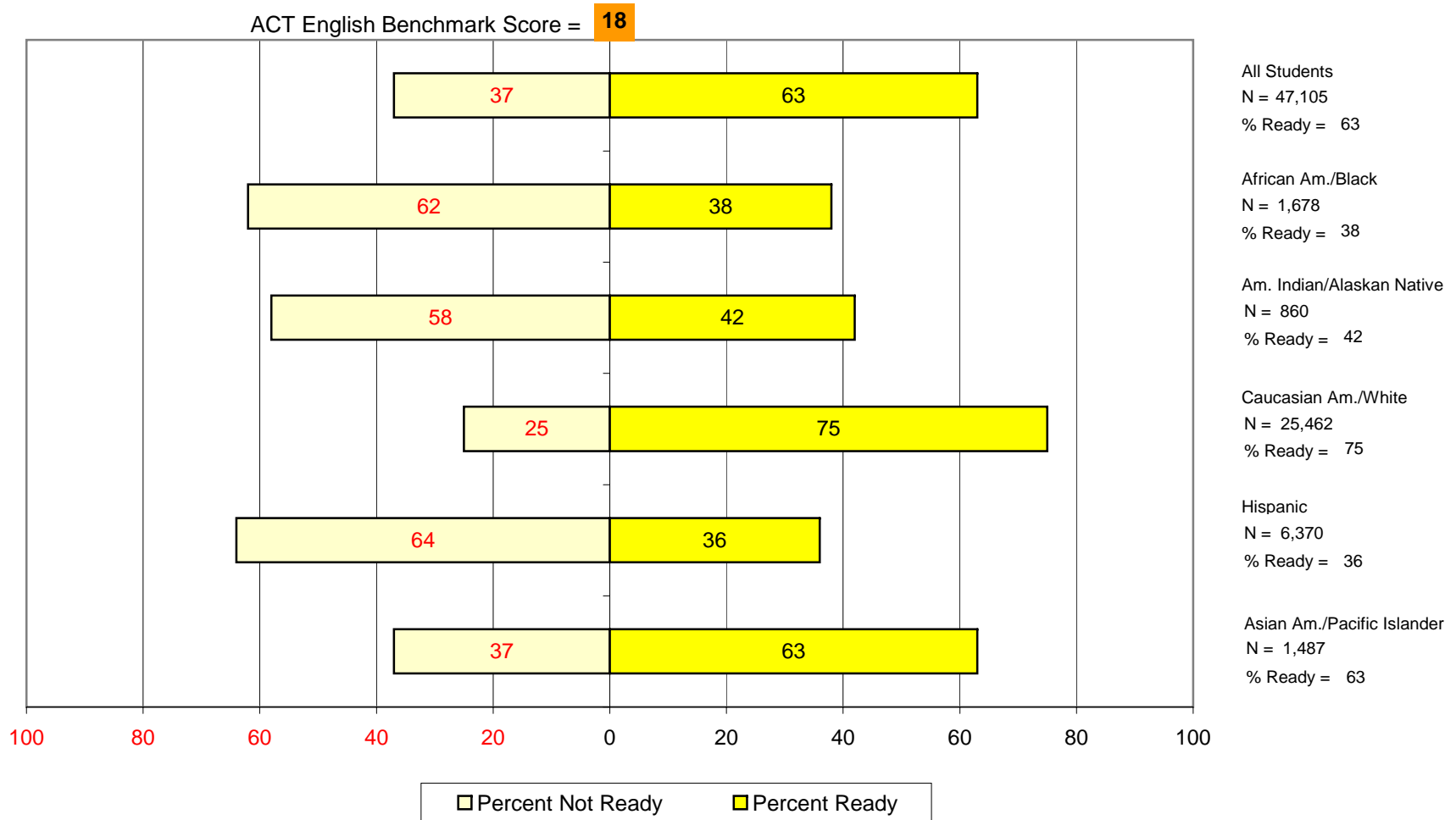


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

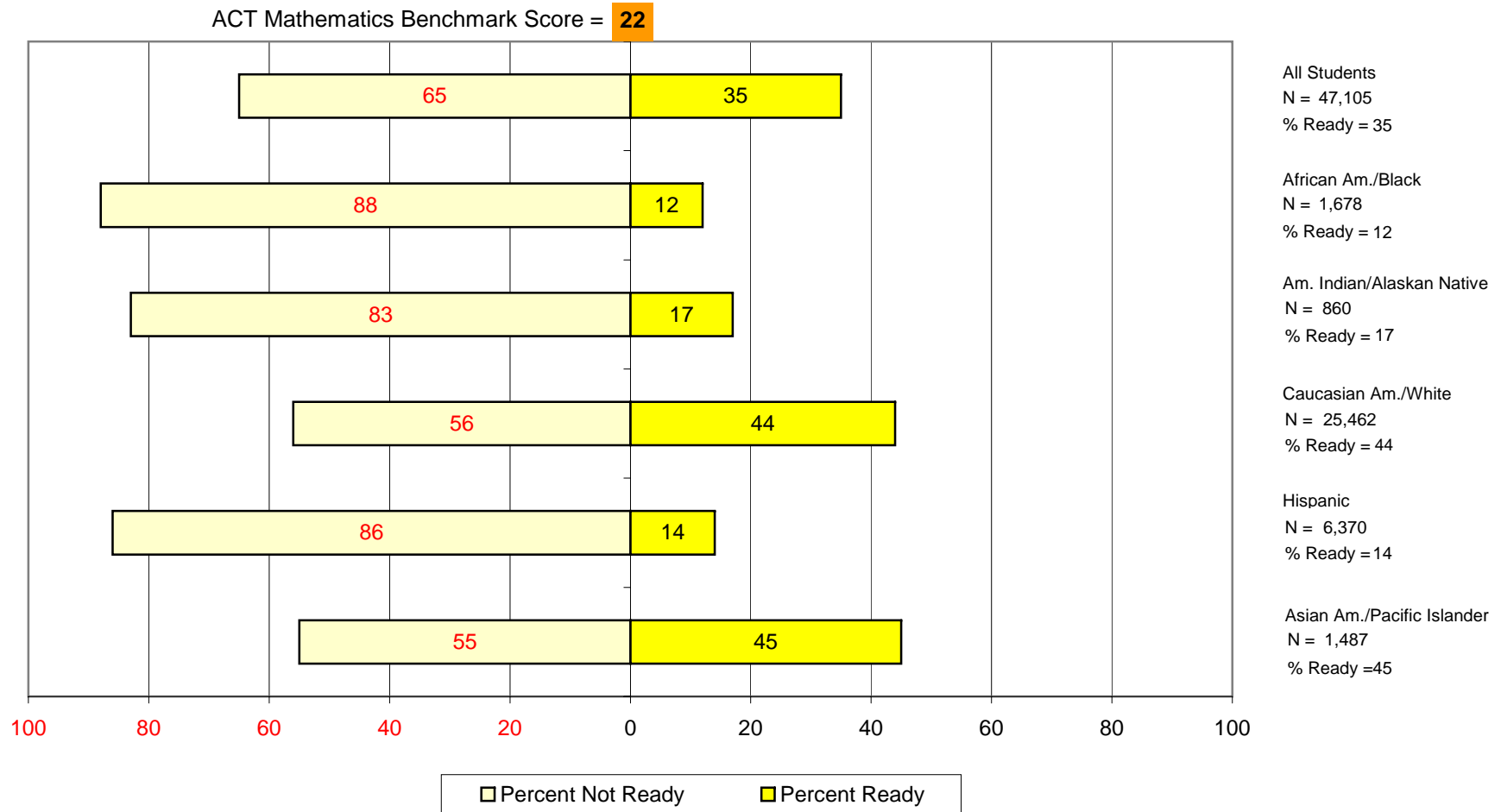


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

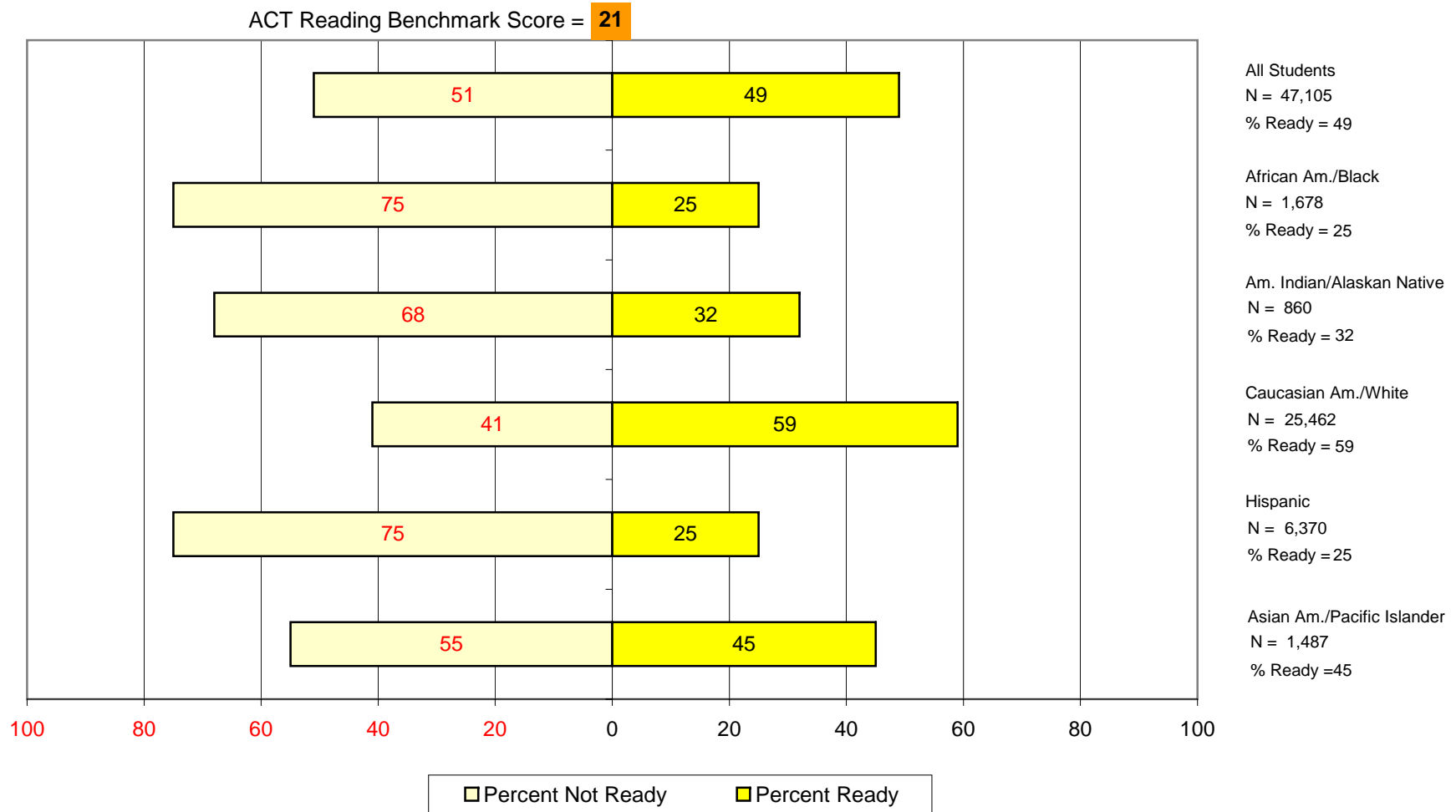


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

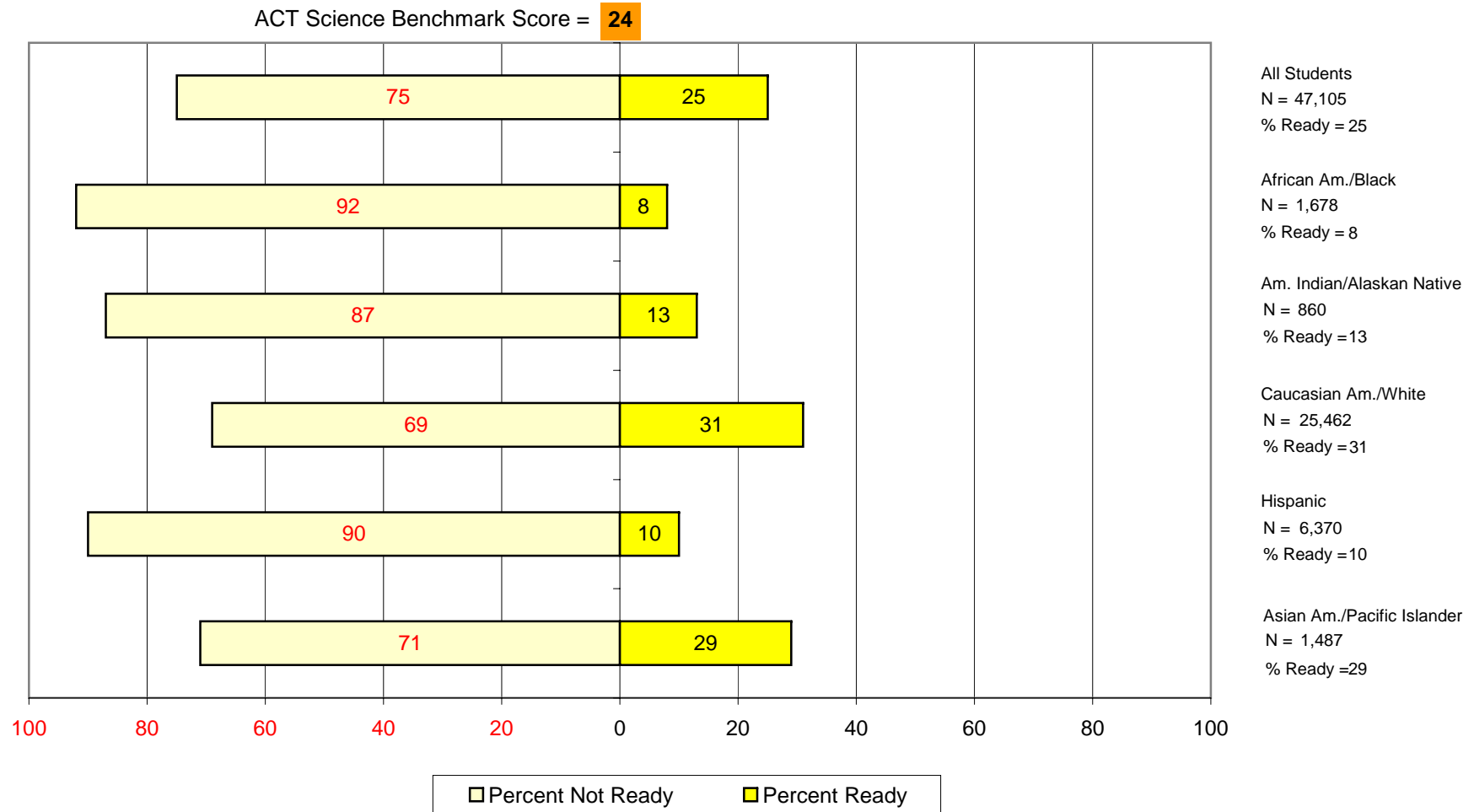


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

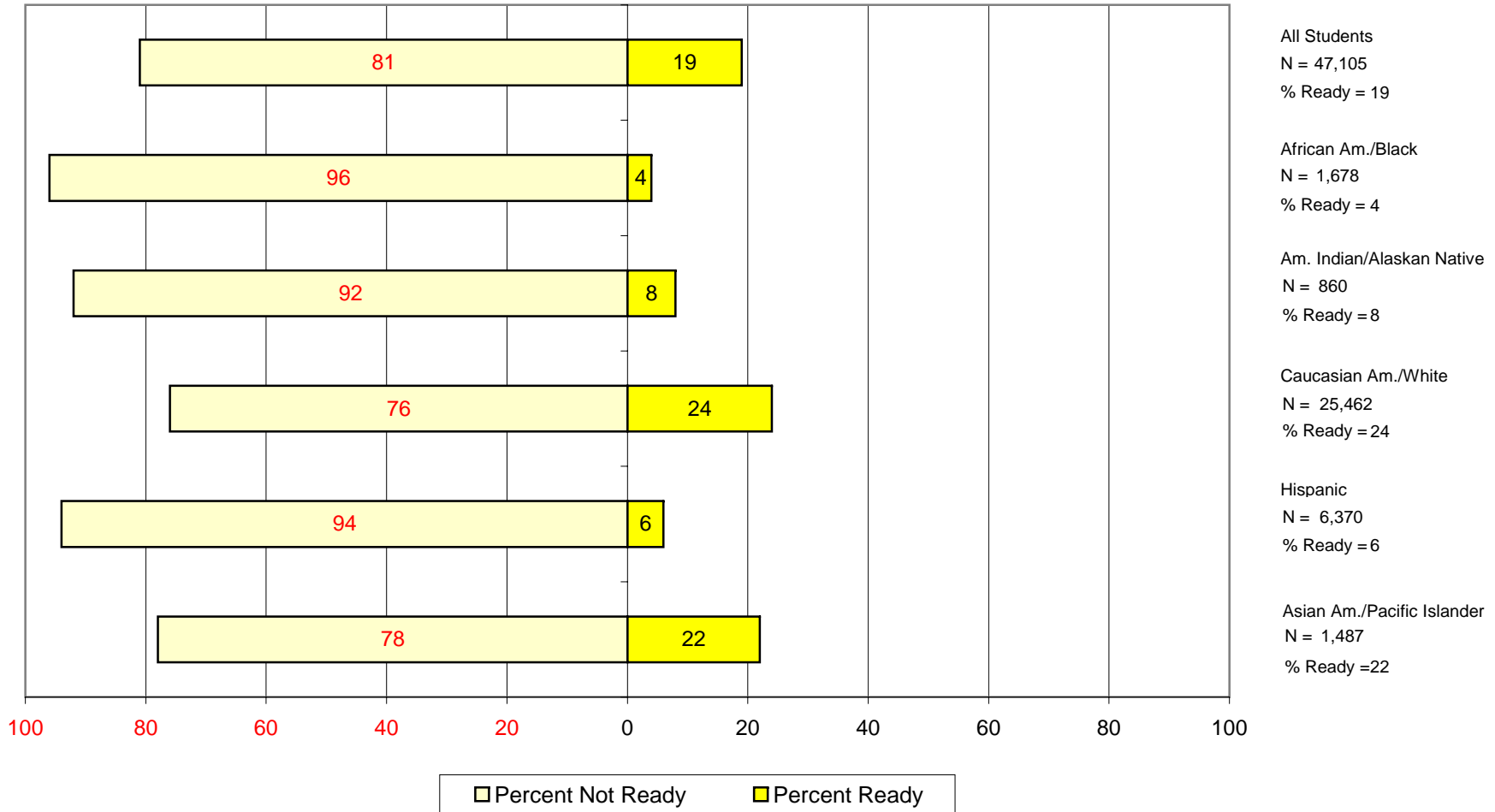


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	13,438	29	20.6	3.5	6,018	27	19.9	3.2	7,155	31	21.2	3.6
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	21,250	45	20.1	3.0	9,956	45	19.6	2.9	10,729	46	20.7	3.1
Less than 4 years of English	6,007	13	17.1	-	3,158	14	16.7	-	2,641	11	17.6	-
No English course/grade information reported	6,410	14	18.9	-	3,022	14	18.2	-	2,847	12	19.4	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	2,519	5	24.2	7.6	1,197	5	24.5	7.7	1,247	5	24.0	7.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,695	8	21.9	5.3	1,439	6	22.5	5.7	2,162	9	21.5	5.1
Alg 1, Alg 2, Geom, & Trig	3,481	7	20.1	3.5	1,575	7	20.4	3.6	1,817	8	19.7	3.3
Alg 1, Alg 2, Geom, & Other Adv Math	4,202	9	19.7	3.1	1,681	8	20.1	3.3	2,396	10	19.4	3.0
Other comb of 4 or more years of Math	9,192	20	23.2	6.6	4,779	22	23.6	6.8	4,222	18	22.7	6.3
Alg 1, Alg 2, & Geom (Min. Core)	7,713	16	17.6	1.0	3,593	16	17.9	1.1	3,940	17	17.3	0.9
Other comb of 3 or 3.5 years of Math	2,126	5	19.2	2.6	1,063	5	19.5	2.7	1,013	4	18.9	2.5
Less than 3 years of Math	7,453	16	16.6	-	3,658	17	16.8	-	3,572	15	16.4	-
No Math course/grade information reported	6,724	14	19.3	-	3,169	14	19.4	-	3,003	13	18.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	715	2	21.1	2.0	378	2	20.9	2.1	321	1	21.3	1.8
Other comb of 4 or more years Social Science	19,749	42	21.7	2.6	8,718	39	21.3	2.5	10,570	45	22.1	2.6
US Hist, World Hist, & Am Gov (Min. Core)	1,452	3	19.2	0.1	808	4	18.7	-0.1	596	3	20.0	0.5
Other comb of 3 or 3.5 years of Social Science	12,165	26	20.9	1.8	5,832	26	20.4	1.6	6,041	26	21.3	1.8
Less than 3 years of Social Science	6,365	14	19.1	-	3,295	15	18.8	-	2,867	12	19.5	-
No Soc Sci course/grade information reported	6,659	14	20.0	-	3,123	14	19.4	-	2,977	13	20.4	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	13,396	28	21.8	3.4	6,868	31	22.2	3.9	6,227	27	21.4	2.9
Bio, Chem, Phys	2,001	4	23.7	5.3	965	4	24.4	6.1	1,001	4	23.1	4.6
Gen Sci ² , Bio, Chem (Min. Core)	12,167	26	20.5	2.1	4,905	22	20.4	2.1	6,930	30	20.6	2.1
Other comb of 3 years of Natural Science	2,264	5	20.3	1.9	1,251	6	20.7	2.4	955	4	19.8	1.3
Less than 3 years of Natural Science	10,538	22	18.4	-	5,005	23	18.3	-	5,247	22	18.5	-
No Nat Sci course/grade information reported	6,739	14	19.7	-	3,160	14	19.8	-	3,012	13	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	13,438	29	20.6	69	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	21,250	45	20.1	66	668,226	55	20.4	67
Less than 4 years of English	6,007	13	17.1	44	115,551	10	19.4	62
No English course/grade information reported	6,410	14	18.9	58	150,124	12	20.3	67
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	2,519	5	24.2	73	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,695	8	21.9	54	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	3,481	7	20.1	36	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	4,202	9	19.7	32	153,394	13	20.3	37
Other comb of 4 or more years of Math	9,192	20	23.2	61	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	7,713	16	17.6	13	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	2,126	5	19.2	29	54,965	5	20.6	40
Less than 3 years of Math	7,453	16	16.6	9	131,567	11	17.9	18
No Math course/grade information reported	6,724	14	19.3	30	158,635	13	20.8	42
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	715	2	21.1	49	31,335	3	22.7	60
Other comb of 4 or more years Social Science	19,749	42	21.7	55	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	1,452	3	19.2	37	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	12,165	26	20.9	48	325,879	27	21.3	52
Less than 3 years of Social Science	6,365	14	19.1	36	179,270	15	20.5	46
No Soc Sci course/grade information reported	6,659	14	20.0	44	158,406	13	21.2	52
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	13,396	28	21.8	36	320,821	27	22.3	38
Bio, Chem, Phys	2,001	4	23.7	50	115,519	10	23.2	45
Gen Sci ¹ , Bio, Chem (Min. Core)	12,167	26	20.5	22	339,689	28	20.2	19
Other comb of 3 years of Natural Science	2,264	5	20.3	23	32,330	3	20.5	24
Less than 3 years of Natural Science	10,538	22	18.4	11	234,307	19	19.1	14
No Nat Sci course/grade information reported	6,739	14	19.7	21	163,789	14	20.7	26

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	660	1	18.4	150	3	16.8	445	2	19.2
Architecture & Environmental Design	886	2	20.6	106	2	15.9	722	2	21.5
Business & Management	3,518	7	20.5	289	7	16.7	3,052	11	21.0
Business & Office	181	0	18.9	35	1	17.3	138	0	19.5
Marketing & Distribution	292	1	19.7	34	1	16.8	240	1	20.2
Communications & Comm. Technologies	1,034	2	21.1	80	2	16.8	878	3	21.7
Community & Personal Services	1,496	3	17.9	382	9	16.4	976	3	18.6
Computer & Information Sciences	755	2	21.0	98	2	17.1	605	2	21.8
Cross-Disciplinary Studies	40	0	24.7	0	0	.	37	0	25.2
Education	1,166	2	20.6	54	1	16.0	1,037	4	20.9
Teacher Education	903	2	20.4	45	1	16.2	810	3	20.8
Engineering	2,079	4	22.1	233	5	15.6	1,715	6	23.3
Engineering-Related Technologies	951	2	21.1	129	3	16.0	754	3	22.3
Foreign Languages	236	1	22.2	22	1	17.0	184	1	23.2
Health Sciences & Allied Health Fields	4,394	9	20.3	409	9	16.9	3,727	13	20.8
Human, Family & Consumer Science	682	1	18.3	128	3	16.5	474	2	18.9
Letters	359	1	23.9	27	1	19.9	303	1	24.5
Mathematics	144	0	24.8	3	0	16.3	138	0	25.1
Philosophy, Religion & Theology	283	1	22.0	17	0	20.2	232	1	22.2
Sciences (Biological & Physical)	1,698	4	23.0	52	1	16.7	1,572	5	23.3
Social Sciences	2,633	6	22.2	47	1	15.8	2,463	8	22.5
Trade & Industrial	965	2	17.7	507	12	16.8	361	1	18.9
Visual & Performing Arts	3,388	7	20.2	518	12	17.3	2,547	9	21.0
Undecided	4,015	9	20.1	600	14	16.2	2,941	10	21.3
No Response	14,347	30	19.7	356	8	15.1	2,709	9	21.3

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/ Alaskan 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	1,337	16.4	35	16.3	55	15.7	661	17.4	342	15.1	24	15.6	220	15.9
2-yr College Degree	2,984	16.6	118	14.4	108	15.6	1,435	17.7	811	15.1	74	15.8	438	16.6
Bachelors Degree	12,800	20.2	460	16.7	259	18.2	8,211	21.2	1,706	17.5	346	19.3	1,818	20.0
Graduate Study	6,576	22.8	212	18.9	96	18.5	4,467	23.7	655	19.5	227	22.1	919	22.3
Prof. Level Degree	9,684	21.9	417	18.1	187	20.2	5,635	23.1	1,411	18.6	506	22.7	1,528	21.8
Other	2,078	17.7	90	15.2	51	16.5	1,075	18.7	369	15.6	68	17.9	425	17.6
No Response	11,646	19.6	346	17.0	104	17.0	3,978	21.3	1,076	16.8	242	21.0	5,900	19.1

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	10,707	10,595	112	5	21	31	23	13	6	1
COLORADO STATE UNIVERSITY	Colorado	9,633	3,730	5,903	1	6	24	37	24	9	0
UNIV OF COLORADO-BOULDER	Colorado	8,747	3,135	5,612	1	6	21	33	26	12	1
UNIV OF NORTHERN COLORADO	Colorado	6,199	1,775	4,424	1	7	29	38	19	5	0
UNIVERSITY OF DENVER	Colorado	3,326	700	2,626	2	10	24	28	24	12	1
METROPOLITAN STATE COLL OF DENVER THE	Colorado	3,113	981	2,132	3	18	40	28	10	2	0
UNIV OF COLORADO-COLORADO SPRINGS	Colorado	2,732	705	2,027	1	7	30	36	19	5	0
U OF COLORADO AT DENVER/HLTH SCI CNTR	Colorado	2,566	603	1,963	2	13	31	33	17	5	0
MESA STATE COLLEGE	Colorado	1,941	592	1,349	2	11	40	31	13	2	0
COLORADO SCHOOL OF MINES	Colorado	1,750	658	1,092	0	3	11	24	34	25	3
COLORADO STATE UNIVERSITY-PUEBLO	Colorado	1,609	590	1,019	1	14	41	29	12	3	0
STATE-NO COLLEGE PLANS	Iowa	1,539	1,507	32	13	43	30	11	3	1	0
FORT LEWIS COLLEGE	Colorado	1,487	443	1,044	1	7	35	38	16	3	0
ART INSTITUTE OF COLORADO THE	Colorado	1,340	456	884	4	17	38	27	12	3	0
ADAMS STATE COLLEGE	Colorado	1,327	450	877	2	16	42	27	10	2	0
COLORADO COLLEGE	Colorado	1,228	304	924	1	9	23	26	23	17	2
WESTERN STATE COLLEGE OF COLORADO	Colorado	1,159	285	874	1	11	39	33	13	3	0
FRONT RANGE COMMUNITY COLLEGE	Colorado	1,081	342	739	3	22	43	23	7	1	0
REGIS UNIVERSITY	Colorado	1,012	193	819	2	15	28	31	18	6	0
ARIZONA STATE UNIV AT THE TEMPE CAMPUS	Arizona	979	276	703	1	6	25	38	25	5	1
NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE	Iowa	938	497	441	1	5	23	35	24	10	1
RED ROCKS COMMUNITY COLLEGE	Colorado	909	241	668	3	24	42	22	7	1	0
PIKES PEAK COMMUNITY COLLEGE	Colorado	819	278	541	5	20	40	24	9	2	0
UNIVERSITY OF WYOMING	Wyoming	777	189	588	1	8	29	34	21	7	0
COMMUNITY COLLEGE OF DENVER	Colorado	749	215	534	10	37	34	13	5	1	0
JOHNSON & WALES UNIVERSITY-DENVER	Colorado	698	259	439	2	19	39	26	11	2	0
COLORADO CHRISTIAN UNIVERSITY	Colorado	687	204	483	1	8	26	31	24	9	1
ARAPAHOE COMMUNITY COLLEGE	Colorado	662	206	456	5	23	39	24	7	2	0
UNIVERSITY OF ARIZONA	Arizona	608	124	484	1	6	24	36	25	7	0
UNIVERSITY OF SOUTHERN CALIFORNIA	California	569	168	401	1	7	18	25	26	21	2
All Other Institutions		42,945	10,423	32,522	2	13	25	26	20	13	2
Total		113,836	41,124	72,712	2	12	28	29	19	9	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	4,203	430,404	24.3	22.4	8.1	7.7	23.7	22.0
African Am./Black	158	38,583	20.3	17.5	7.3	6.8	20.1	17.6
Am. Indian/Alaskan Native	27	2,803	23.0	19.8	8.6	7.1	23.2	19.6
Caucasian Am./White	2,667	269,428	24.7	23.4	8.2	7.8	24.2	22.8
Hispanic	286	33,207	21.7	18.9	7.6	7.4	21.5	19.1
Asian Am./Pacific Islander	176	21,275	25.1	23.0	8.2	8.0	24.4	22.8
Other/No Response	889	65,108	24.3	22.8	8.1	7.9	23.8	22.5
Males	1,639	170,904	23.7	22.1	7.8	7.4	23.0	21.5
Females	2,245	240,056	24.9	22.6	8.3	7.9	24.4	22.3
Missing	319	19,444	23.4	22.1	8.2	7.8	23.2	21.9

