

ACT High School Profile Report

The Graduating Class of 2007
Wyoming



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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

23% 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. 4,115 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 13% of the cohort took less than three years of math courses. Of these students, 18% were college ready. 17% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 15% of these students were college ready. In comparison, 61% 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 21% of the cohort took less than three years of natural science courses. 14% of these students were college ready. In comparison, 35% 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 44% 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.

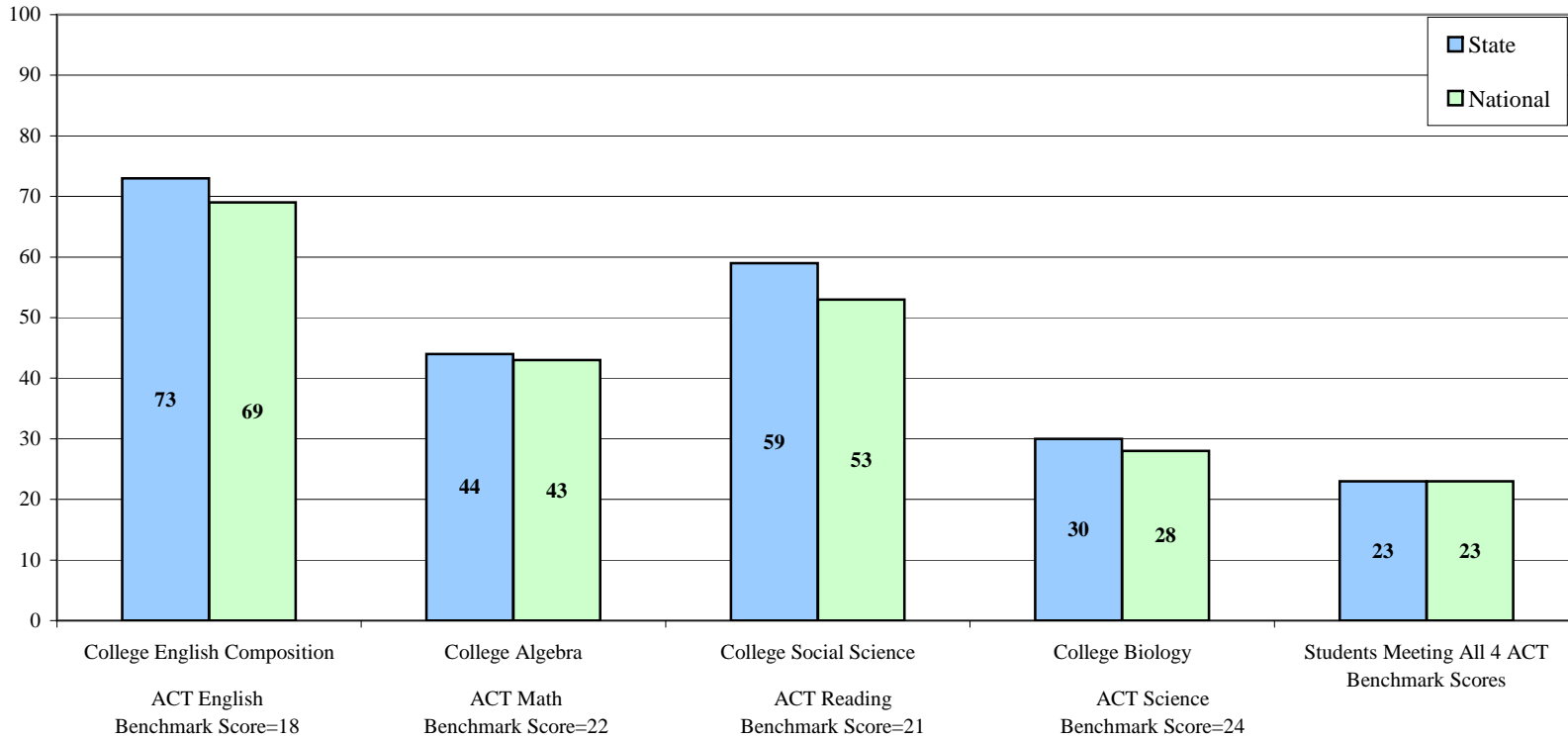
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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	4,183	1,175,059	71	67	42	40	59	52	27	26	21	20
2004	4,041	1,171,460	71	68	42	40	59	52	29	26	22	21
2005	3,857	1,186,251	71	68	43	41	58	51	28	26	21	21
2006	3,871	1,206,455	73	69	44	42	61	53	31	27	24	21
2007	4,115	1,300,599	73	69	44	43	59	53	30	28	23	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	4,183	1,175,059	20.6	20.3	20.9	20.6	22.1	21.2	21.4	20.8	21.4	20.8
2004	4,041	1,171,460	20.6	20.4	21.0	20.7	22.2	21.3	21.4	20.9	21.4	20.9
2005	3,857	1,186,251	20.6	20.4	21.0	20.7	22.0	21.3	21.4	20.9	21.4	20.9
2006	3,871	1,206,455	20.7	20.6	21.0	20.8	22.4	21.4	21.7	20.9	21.6	21.1
2007	4,115	1,300,599	20.7	20.7	21.1	21.0	22.2	21.5	21.4	21.0	21.5	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	2,329	1,677	56	40	21.8	19.1	22.1	19.3	23.2	20.8	22.3	20.3	22.5	20.0
2004	2,271	1,595	56	39	21.8	19.0	22.1	19.4	23.3	20.8	22.3	20.2	22.5	20.0
2005	2,149	1,496	56	39	21.7	19.3	22.1	19.5	22.9	20.8	22.2	20.3	22.3	20.1
2006	2,080	1,538	54	40	22.0	19.1	22.2	19.5	23.5	20.9	22.6	20.4	22.7	20.1
2007	1,947	1,667	47	41	22.1	19.1	22.4	19.6	23.4	20.8	22.4	20.2	22.7	20.1

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	4,183	100	21.4	4,041	100	21.4	3,857	100	21.4	3,871	100	21.6	4,115	100	21.5
African American/Black	20	0	19.9	18	0	20.3	20	1	18.2	24	1	18.2	32	1	19.1
American Indian/Alaska Native	46	1	19.7	59	1	19.3	37	1	18.9	53	1	19.2	56	1	17.2
Caucasian American/White	3,588	86	21.5	3,418	85	21.6	3,252	84	21.5	3,174	82	21.8	3,223	78	21.7
Hispanic	136	3	19.6	177	4	19.1	143	4	19.8	165	4	19.3	155	4	19.4
Asian American/Pacific Islander	46	1	21.7	33	1	21.9	35	1	20.9	40	1	22.6	40	1	22.2
Other/No Response	347	8	21.3	336	8	21.4	370	10	21.2	415	11	21.4	609	15	21.3

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	4	100	3	100	13	100	3	100	0	100	36
35	25	100	8	100	31	100	16	100	2	100	35
34	50	99	24	100	48	99	19	100	13	100	34
33	31	98	21	99	68	98	37	99	21	100	33
32	27	97	32	99	92	96	15	98	32	99	32
31	72	97	53	98	130	94	21	98	55	98	31
30	62	95	55	97	105	91	62	97	64	97	30
29	91	93	98	95	160	88	61	96	101	95	29
28	129	91	112	93	181	84	83	94	130	93	28
27	106	88	170	90	179	80	138	92	139	90	27
26	165	85	195	86	164	76	199	89	231	86	26
25	224	81	274	81	203	72	282	84	285	81	25
24	225	76	264	75	239	67	289	77	270	74	24
23	219	71	241	68	340	61	305	70	276	67	23
22	306	65	272	62	227	53	405	63	345	61	22
21	321	58	258	56	237	47	437	53	357	52	21
20	373	50	227	49	324	41	457	42	321	44	20
19	323	41	324	44	227	33	274	31	345	36	19
18	242	33	267	36	186	28	321	25	305	27	18
17	166	27	389	30	213	23	219	17	255	20	17
16	211	23	457	20	207	18	117	11	207	14	16
15	222	18	208	9	125	13	111	9	157	9	15
14	187	13	116	4	178	10	88	6	97	5	14
13	85	8	35	1	89	6	54	4	62	3	13
12	71	6	8	1	87	4	39	2	30	1	12
11	55	4	2	1	34	2	36	2	14	1	11
10	52	3	1	1	18	1	18	1	1	1	10
9	37	2	0	1	4	1	6	1	0	1	9
8	18	1	0	1	5	1	3	1	0	1	8
7	10	1	0	1	1	1	0	1	0	1	7
6	6	1	1	1	0	1	0	1	0	1	6
5	0	1	0	1	0	1	0	1	0	1	5
4	0	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 (5.5)		21.1 (4.7)		22.2 (5.7)		21.4 (4.4)		21.5 (4.5)		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	75	100	21	100	56	100	112	100	76	100	19	100	22	100	18
17	148	98	72	99	208	99	189	97	143	98	26	100	17	99	17
16	145	95	144	98	266	94	268	93	211	95	68	99	109	99	16
15	136	91	247	94	298	87	336	86	240	90	141	97	194	96	15
14	259	88	326	88	289	80	363	78	328	84	273	94	330	92	14
13	286	81	312	80	281	73	399	69	410	76	434	87	463	84	13
12	365	75	495	73	574	66	437	59	408	66	421	77	543	72	12
11	411	66	594	61	445	52	309	49	392	56	572	66	565	59	11
10	505	56	571	46	355	41	370	41	405	46	679	53	607	45	10
9	409	43	447	32	459	33	349	32	374	37	596	36	521	31	9
8	436	33	398	22	395	21	259	24	440	27	399	22	296	18	8
7	334	23	216	12	214	12	225	18	448	17	189	12	221	11	7
6	245	15	127	7	145	7	259	12	175	6	136	7	93	6	6
5	192	9	80	4	59	3	154	6	40	2	98	4	54	3	5
4	112	4	49	2	40	2	66	2	17	1	27	2	40	2	4
3	40	1	10	1	25	1	16	1	6	1	30	1	26	1	3
2	13	1	6	1	5	1	3	1	2	1	0	1	8	1	2
1	4	1	0	1	1	1	1	1	0	1	7	1	6	1	1
Avg (SD)	10.2 (3.5)		10.8 (2.9)		11.3 (3.3)		11.3 (3.6)		11.0 (3.2)		10.4 (2.7)		10.8 (2.7)		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	25	26	24	25
Q2 (50th Percentile)	20	21	22	21	21
Q1 (25th Percentile)	17	17	18	19	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	All Students	4,115	47	22.7	20.1
	African Am./Black	32	56	21.6	15.9
	Am. Indian/Alaska Native	56	25	20.9	16.0
	Caucasian Am./White	3,223	50	22.8	20.3
	Hispanic	155	46	21.1	17.9
	Asian Am./Pacific Islander	40	55	23.0	21.7
	Other/No Response	609	34	22.5	20.1
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	20.7	21.1	22.2	21.4	21.5
	African Am./Black	18.2	18.7	20.2	19.1	19.1
	Am. Indian/Alaska Native	15.0	17.5	17.7	18.1	17.2
	Caucasian Am./White	21.0	21.3	22.4	21.6	21.7
	Hispanic	18.2	19.1	20.1	19.9	19.4
	Asian Am./Pacific Islander	21.4	22.8	22.0	22.0	22.2
	Other/No Response	20.6	20.7	22.0	21.3	21.3
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	110	3	56	1	160	4	75	2
	28 to 32	381	9	350	9	668	16	242	6
	24 to 27	720	17	903	22	785	19	908	22
	20 to 23	1,219	30	998	24	1,128	27	1,604	39
	16 to 19	942	23	1,437	35	833	20	931	23
	13 to 15	494	12	359	9	392	10	253	6
	01 to 12	249	6	12	0	149	4	102	2
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	1,805	44	20.3	21.9	21.9	21.9	21.6
	Females	2,063	50	21.2	20.4	22.4	21.0	21.4
	Missing	247	6	20.4	20.8	22.3	21.1	21.3
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	68	50	57	36	28
	Females	77	39	61	24	19
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

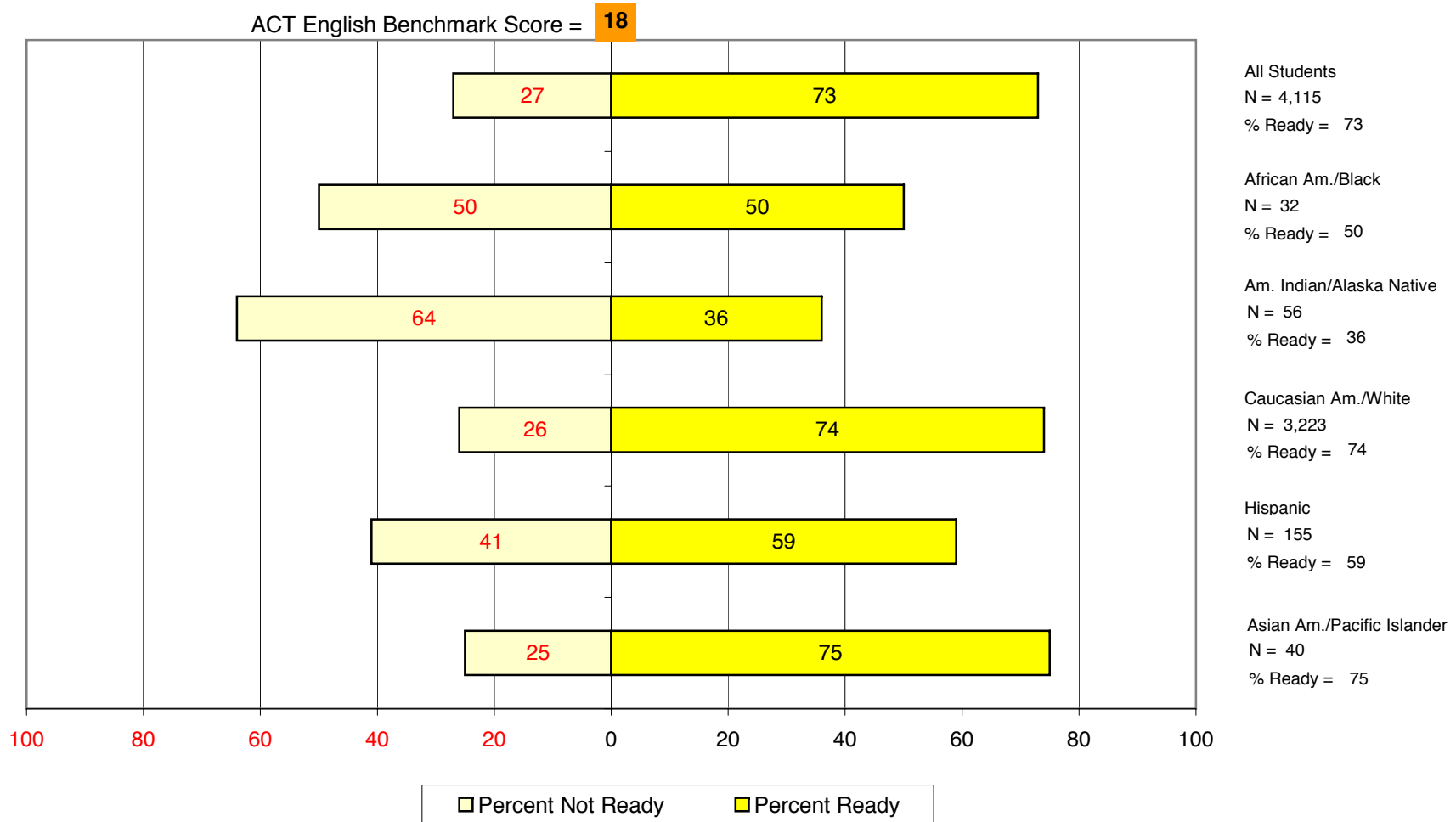


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

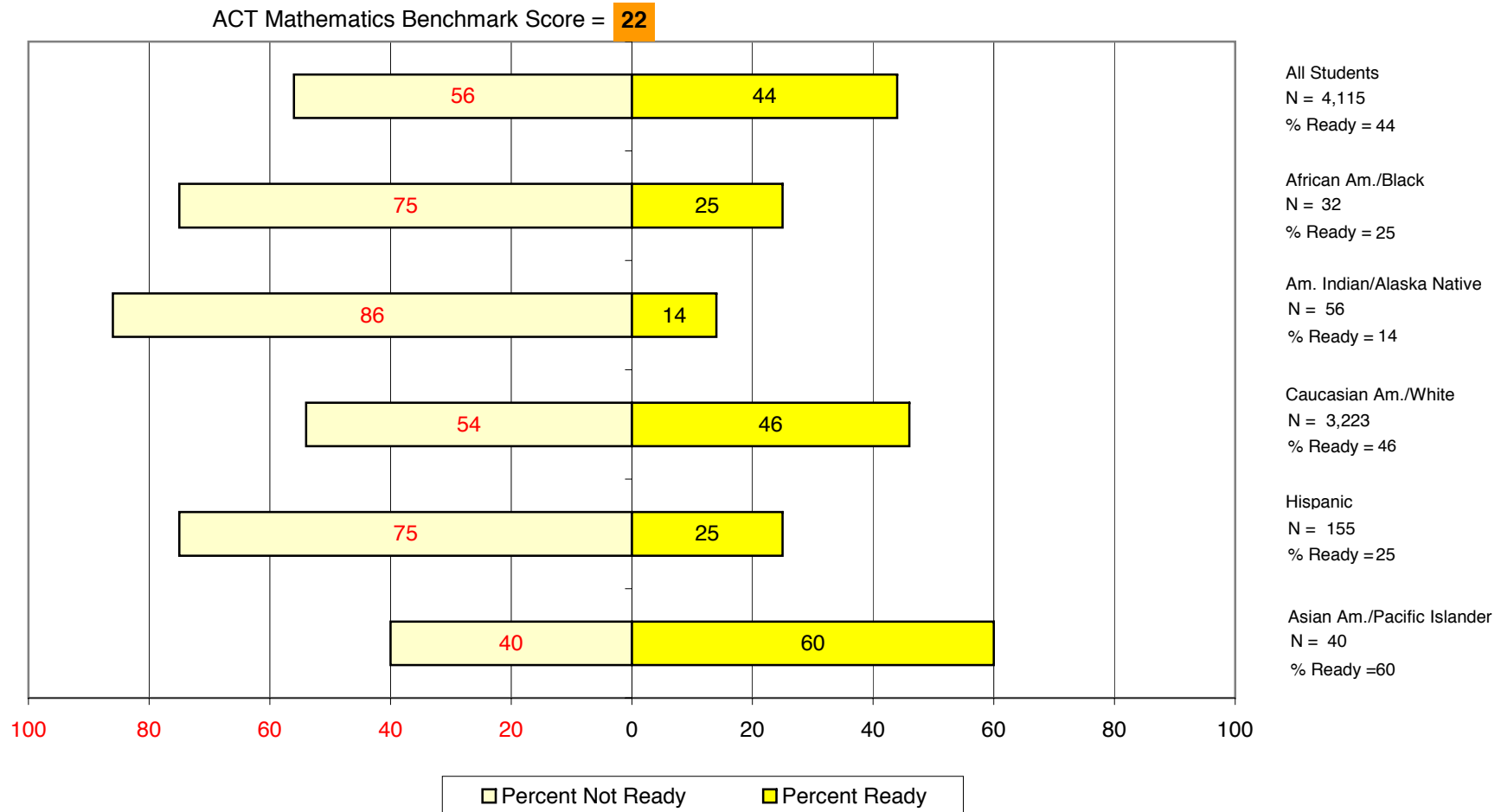


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

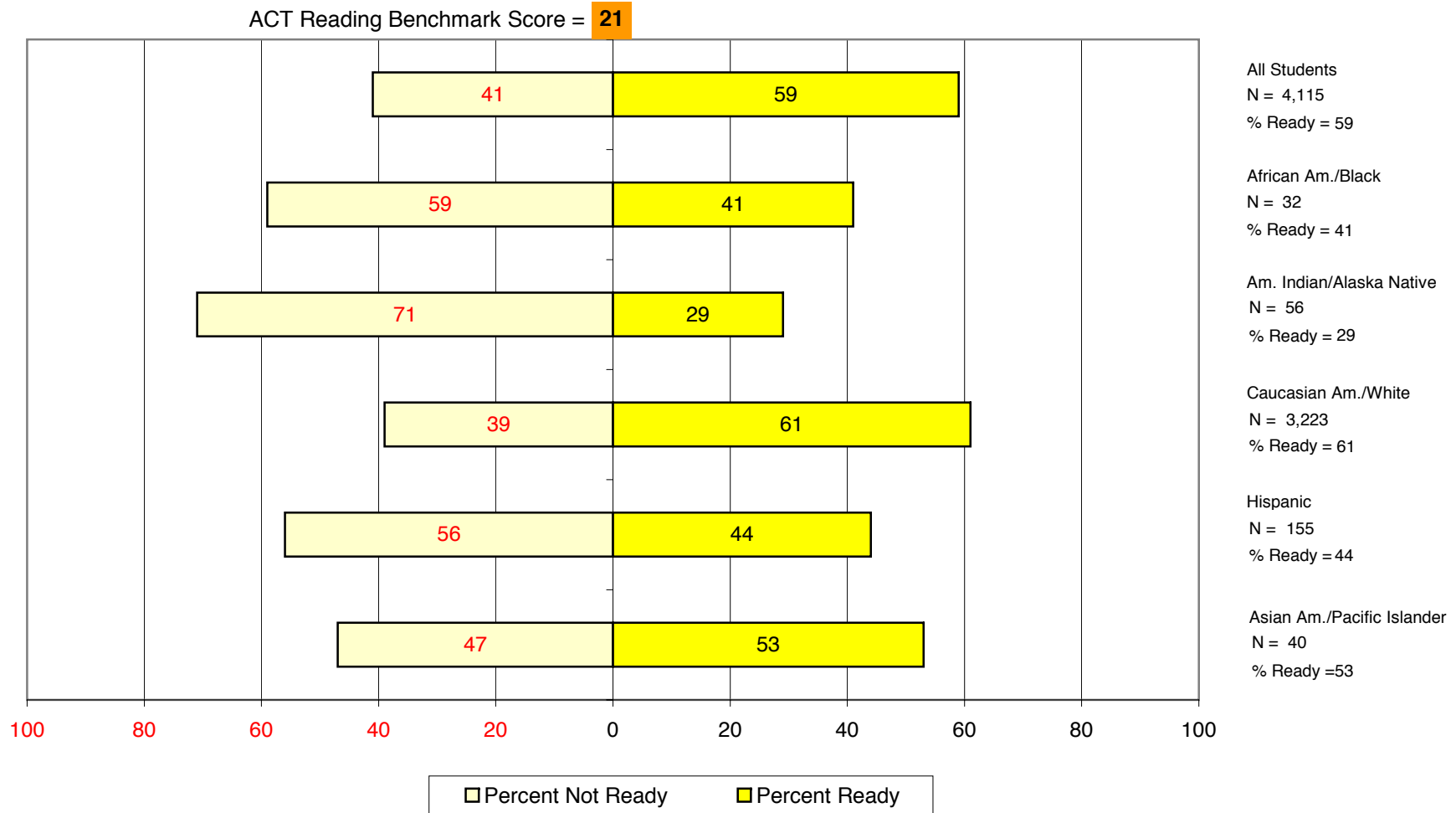


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

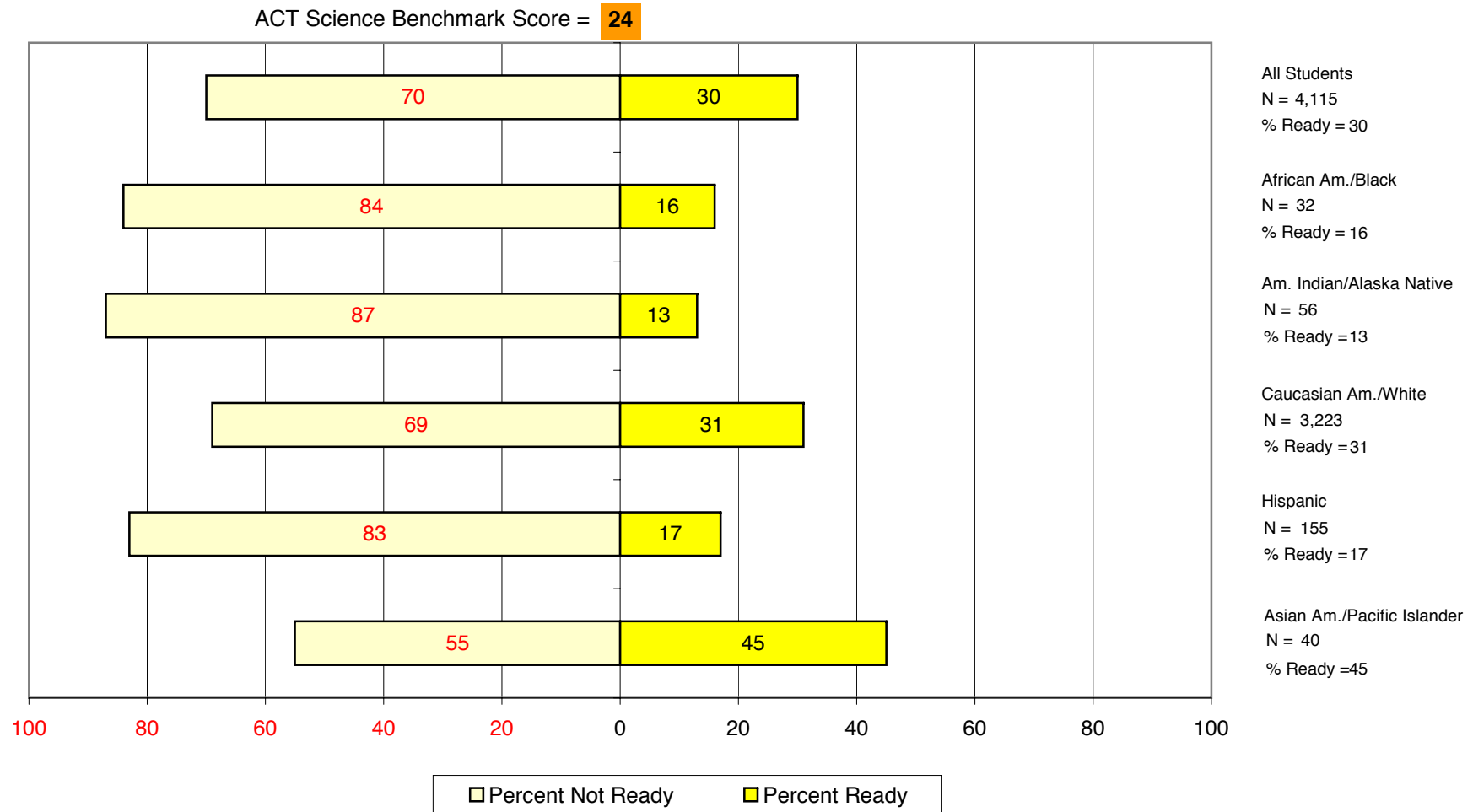


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

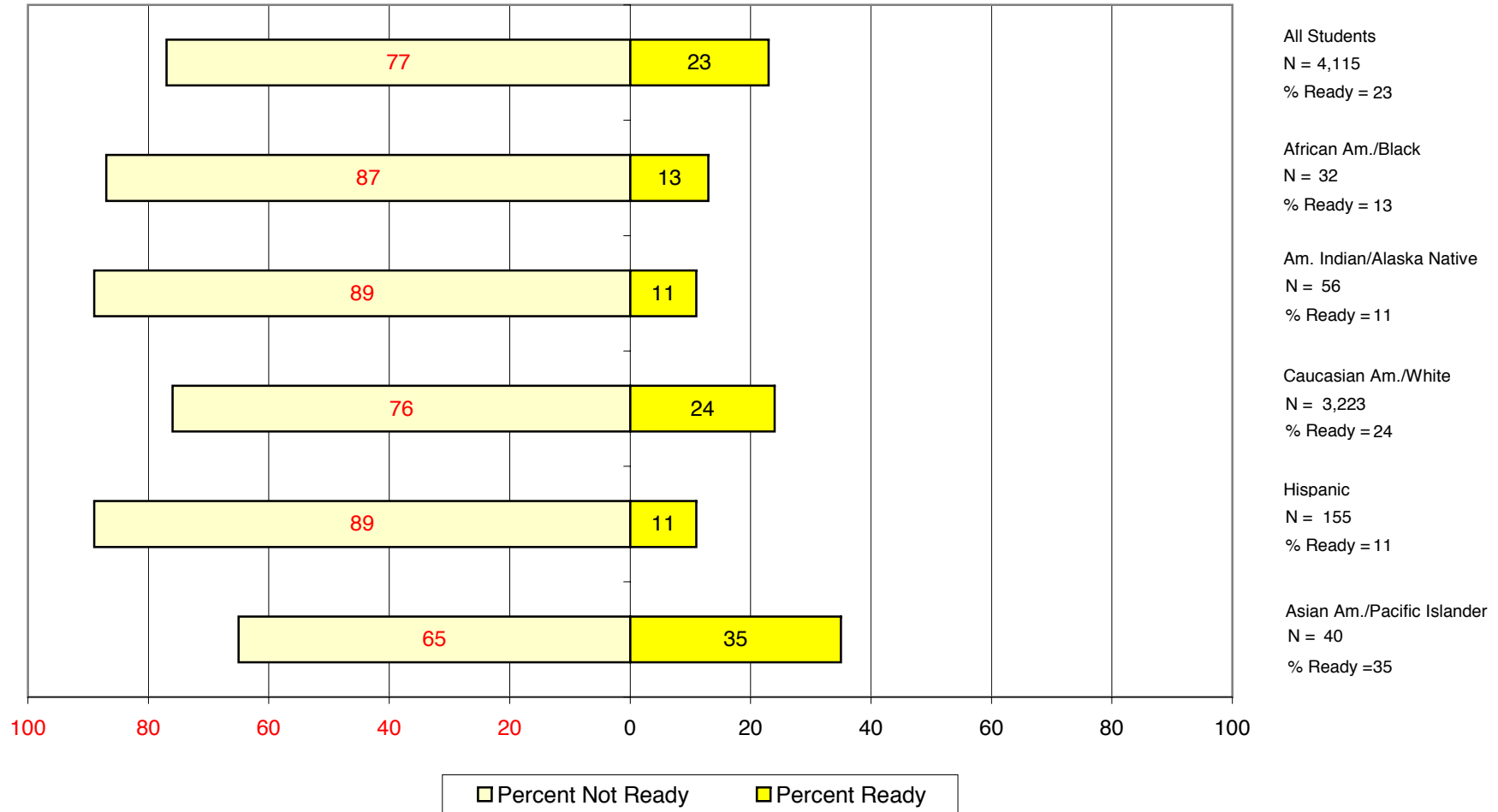


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	786	19	21.9	1.7	275	15	21.5	1.2	485	24	22.2	2.1
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	2,428	59	20.5	0.3	1,130	63	20.1	-0.2	1,199	58	20.9	0.8
Less than 4 years of English	388	9	20.2	-	178	10	20.3	-	187	9	20.1	-
No English course/grade information reported	513	12	20.7	-	222	12	20.0	-	192	9	21.4	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	260	6	25.1	7.1	121	7	26.4	7.9	128	6	24.0	6.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	302	7	22.1	4.1	105	6	22.8	4.3	183	9	21.6	4.1
Alg 1, Alg 2, Geom, & Trig	334	8	21.2	3.2	155	9	21.9	3.4	163	8	20.5	3.0
Alg 1, Alg 2, Geom, & Other Adv Math	389	9	20.7	2.7	156	9	21.6	3.1	217	11	20.2	2.7
Other comb of 4 or more years of Math	838	20	24.4	6.4	385	21	25.5	7.0	437	21	23.5	6.0
Alg 1, Alg 2, & Geom (Min. Core)	717	17	18.1	0.1	310	17	18.7	0.2	377	18	17.7	0.2
Other comb of 3 or 3.5 years of Math	179	4	20.7	2.7	88	5	21.1	2.6	86	4	20.3	2.8
Less than 3 years of Math	545	13	18.0	-	243	13	18.5	-	267	13	17.5	-
No Math course/grade information reported	551	13	20.7	-	242	13	21.2	-	205	10	19.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	111	3	22.6	1.4	51	3	22.2	1.4	58	3	22.9	1.2
Other comb of 4 or more years Social Science	1,159	28	22.9	1.7	445	25	22.7	1.9	676	33	23.0	1.3
US Hist, World Hist, & Am Gov (Min. Core)	318	8	21.8	0.6	175	10	21.9	1.1	135	7	21.7	0.0
Other comb of 3 or 3.5 years of Social Science	1,165	28	22.2	1.0	496	27	22.0	1.2	622	30	22.3	0.6
Less than 3 years of Social Science	811	20	21.2	-	392	22	20.8	-	369	18	21.7	-
No Soc Sci course/grade information reported	551	13	22.1	-	246	14	21.8	-	203	10	22.3	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,101	27	23.1	3.6	532	29	24.0	4.3	535	26	22.2	2.8
Bio, Chem, Phys	97	2	23.8	4.3	55	3	24.3	4.6	38	2	23.0	3.6
Gen Sci ² , Bio, Chem (Min. Core)	1,264	31	21.1	1.6	457	25	21.3	1.6	759	37	21.0	1.6
Other comb of 3 years of Natural Science	231	6	21.0	1.5	140	8	21.5	1.8	81	4	20.2	0.8
Less than 3 years of Natural Science	864	21	19.5	-	375	21	19.7	-	444	22	19.4	-
No Nat Sci course/grade information reported	558	14	21.4	-	246	14	21.7	-	206	10	21.0	-

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	786	19	21.9	80	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	2,428	59	20.5	71	766,001	59	20.5	68
Less than 4 years of English	388	9	20.2	69	141,777	11	19.7	64
No English course/grade information reported	513	12	20.7	72	201,619	16	20.7	69
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	260	6	25.1	80	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	302	7	22.1	56	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	334	8	21.2	48	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	389	9	20.7	41	163,562	13	20.4	38
Other comb of 4 or more years of Math	838	20	24.4	75	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	717	17	18.1	15	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	179	4	20.7	40	57,945	4	20.9	43
Less than 3 years of Math	545	13	18.0	18	145,617	11	18.3	21
No Math course/grade information reported	551	13	20.7	40	211,787	16	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	111	3	22.6	63	31,985	2	22.7	61
Other comb of 4 or more years Social Science	1,159	28	22.9	64	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	318	8	21.8	54	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	1,165	28	22.2	60	333,689	26	21.4	52
Less than 3 years of Social Science	811	20	21.2	52	201,605	16	20.6	47
No Soc Sci course/grade information reported	551	13	22.1	58	212,012	16	21.5	53
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	1,101	27	23.1	46	333,648	26	22.4	40
Bio, Chem, Phys	97	2	23.8	49	115,297	9	23.4	48
Gen Sci ¹ , Bio, Chem (Min. Core)	1,264	31	21.1	25	353,348	27	20.2	20
Other comb of 3 years of Natural Science	231	6	21.0	29	32,593	3	20.4	24
Less than 3 years of Natural Science	864	21	19.5	14	247,312	19	19.1	15
No Nat Sci course/grade information reported	558	14	21.4	29	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	87	2	19.9	17	4	18.5	66	2	20.2
Architecture & Environmental Design	73	2	22.3	6	2	18.5	64	2	22.7
Business & Management	202	5	20.8	23	6	18.6	174	6	21.1
Business & Office	11	0	21.0	2	1	17.5	9	0	21.8
Marketing & Distribution	17	0	21.0	1	0	19.0	16	1	21.1
Communications & Comm. Technologies	64	2	21.5	7	2	20.3	52	2	22.0
Community & Personal Services	86	2	19.0	18	5	16.6	67	2	19.5
Computer & Information Sciences	83	2	22.5	12	3	20.4	67	2	23.1
Cross-Disciplinary Studies	3	0	24.0	0	0	.	3	0	24.0
Education	156	4	21.0	2	1	17.0	151	5	21.1
Teacher Education	118	3	20.8	3	1	18.3	112	4	20.9
Engineering	161	4	24.1	8	2	18.5	149	5	24.5
Engineering-Related Technologies	95	2	23.2	9	2	18.6	84	3	23.9
Foreign Languages	13	0	24.2	0	0	.	10	0	24.3
Health Sciences & Allied Health Fields	543	13	21.2	51	13	17.9	469	16	21.7
Human, Family & Consumer Science	27	1	19.7	6	2	17.8	20	1	20.4
Letters	26	1	26.1	2	1	23.5	22	1	26.3
Mathematics	17	0	26.0	0	0	.	15	1	25.9
Philosophy, Religion & Theology	19	0	22.1	0	0	.	17	1	21.8
Sciences (Biological & Physical)	124	3	23.7	3	1	16.3	115	4	24.2
Social Sciences	207	5	22.9	5	1	20.6	197	7	23.0
Trade & Industrial	79	2	18.5	52	14	18.3	24	1	19.0
Visual & Performing Arts	217	5	21.2	27	7	16.8	178	6	21.9
Undecided	608	15	21.1	67	18	17.7	498	17	21.6
No Response	1,079	26	21.3	57	15	17.2	386	13	21.8

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	81	17.6	0	.	3	16.3	62	17.4	2	22.0	0	.	14	17.9
2-yr College Degree	297	18.1	1	17.0	7	14.7	232	18.4	15	17.5	0	.	42	17.1
Bachelors Degree	1,492	20.9	7	16.4	24	17.0	1,224	21.2	61	19.6	16	20.6	160	20.0
Graduate Study	618	23.4	7	18.7	4	17.5	504	23.5	14	20.2	4	27.5	85	23.7
Prof. Level Degree	855	22.9	11	22.5	10	18.8	674	23.1	36	20.1	15	23.3	109	22.8
Other	108	19.4	2	19.0	1	13.0	82	19.6	7	17.9	1	23.0	15	19.3
No Response	664	21.5	4	16.0	7	19.0	445	21.6	20	18.7	4	19.0	184	21.7

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 WYOMING	Wyoming	2,151	1,047	1,104	1	5	24	34	26	10	1
CASPER COLLEGE	Wyoming	797	349	448	2	8	39	31	16	3	0
LARAMIE COUNTY COMMUNITY COLLEGE	Wyoming	499	184	315	2	9	34	34	17	3	0
NORTHWEST COLLEGE	Wyoming	381	157	224	1	12	30	34	18	4	1
SHERIDAN COLLEGE	Wyoming	344	129	215	0	11	38	35	14	3	0
WESTERN WYOMING COMMUNITY COLLEGE	Wyoming	342	145	197	1	13	33	30	19	4	0
COLORADO STATE UNIVERSITY	Colorado	327	44	283	0	4	19	39	27	10	1
CENTRAL WYOMING COLLEGE	Wyoming	257	107	150	2	18	29	27	19	5	0
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	233	46	187	1	2	17	37	29	13	0
BLACK HILLS STATE UNIVERSITY	South Dakota	185	36	149	2	6	37	36	14	5	0
UTAH STATE UNIVERSITY	Utah	158	35	123	0	4	16	35	30	11	3
EASTERN WYOMING COLLEGE	Wyoming	145	49	96	4	17	37	28	14	1	0
UNIVERSITY OF UTAH	Utah	139	27	112	1	1	19	29	35	14	1
MONTANA STATE UNIVERSITY-BILLINGS	Montana	135	23	112	1	5	24	34	26	10	1
BRIGHAM YOUNG UNIVERSITY	Utah	131	43	88	0	2	6	30	34	23	5
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	131	37	94	0	3	18	37	27	15	1
CHADRON STATE COLLEGE	Nebraska	119	23	96	1	8	27	35	22	7	0
UNIV OF NORTHERN COLORADO	Colorado	90	8	82	0	2	19	36	32	9	2
UNIVERSITY OF MONTANA	Montana	87	17	70	1	3	13	38	33	11	0
UNIV OF COLORADO-Boulder	Colorado	85	9	76	1	6	12	31	34	15	1
WEBER STATE UNIVERSITY	Utah	71	15	56	0	7	31	27	28	7	0
MESA STATE COLLEGE	Colorado	69	18	51	0	6	23	41	23	7	0
MICHIGAN STATE UNIVERSITY	Michigan	69	29	40	0	3	6	23	45	22	1
UNIVERSITY OF WASHINGTON	Washington	62	13	49	0	2	6	31	35	23	3
ARIZONA STATE UNIV AT THE TEMPE CAMPUS	Arizona	58	15	43	0	0	22	33	34	10	0
BOISE STATE UNIVERSITY	Idaho	47	11	36	0	6	15	43	32	4	0
DICKINSON STATE UNIVERSITY	North Dakota	47	13	34	0	6	34	43	13	4	0
SOUTH DAKOTA SCH OF MINES/TECH	South Dakota	45	4	41	0	2	4	29	36	20	9
UNIVERSITY OF NEBRASKA AT LINCOLN	Nebraska	42	4	38	0	5	10	45	33	7	0
UNIVERSITY OF OREGON	Oregon	40	10	30	0	0	5	33	40	23	0
All Other Institutions		2,953	617	2,336	1	6	19	28	28	15	2
Total		10,239	3,264	6,975	1	7	24	32	25	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	907	532,943	22.7	22.3	7.7	7.6	22.2	21.8
African Am./Black	5	50,340	25.2	17.2	7.4	6.7	23.8	17.3
Am. Indian/Alaska Native	13	3,462	16.2	19.8	6.2	7.0	16.1	19.4
Caucasian Am./White	701	308,578	22.8	23.4	7.7	7.6	22.3	22.6
Hispanic	31	42,588	20.1	18.8	7.6	7.3	20.2	19.0
Asian Am./Pacific Islander	10	25,616	22.4	23.2	8.5	8.0	22.7	22.8
Other/No Response	147	102,359	23.0	23.2	7.7	7.8	22.4	22.7
Males	350	204,427	22.3	22.0	7.4	7.3	21.7	21.3
Females	498	285,556	23.0	22.5	7.8	7.7	22.6	22.1
Missing	59	42,960	22.6	23.0	7.6	7.8	22.0	22.6

