

ACT High School Profile Report

The Graduating Class of 2008
Wyoming



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Wyoming

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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

How to Improve Scores and Increase College Readiness

21% 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. 4,361 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. 54% 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 12% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 19% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 17% of these students were college ready. In comparison, 56% 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. 12% of these students were college ready. In comparison, 32% of students who took at least three years of science coursework were college ready.

EVALUATING RIGOR OF COURSES. Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 47% 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.

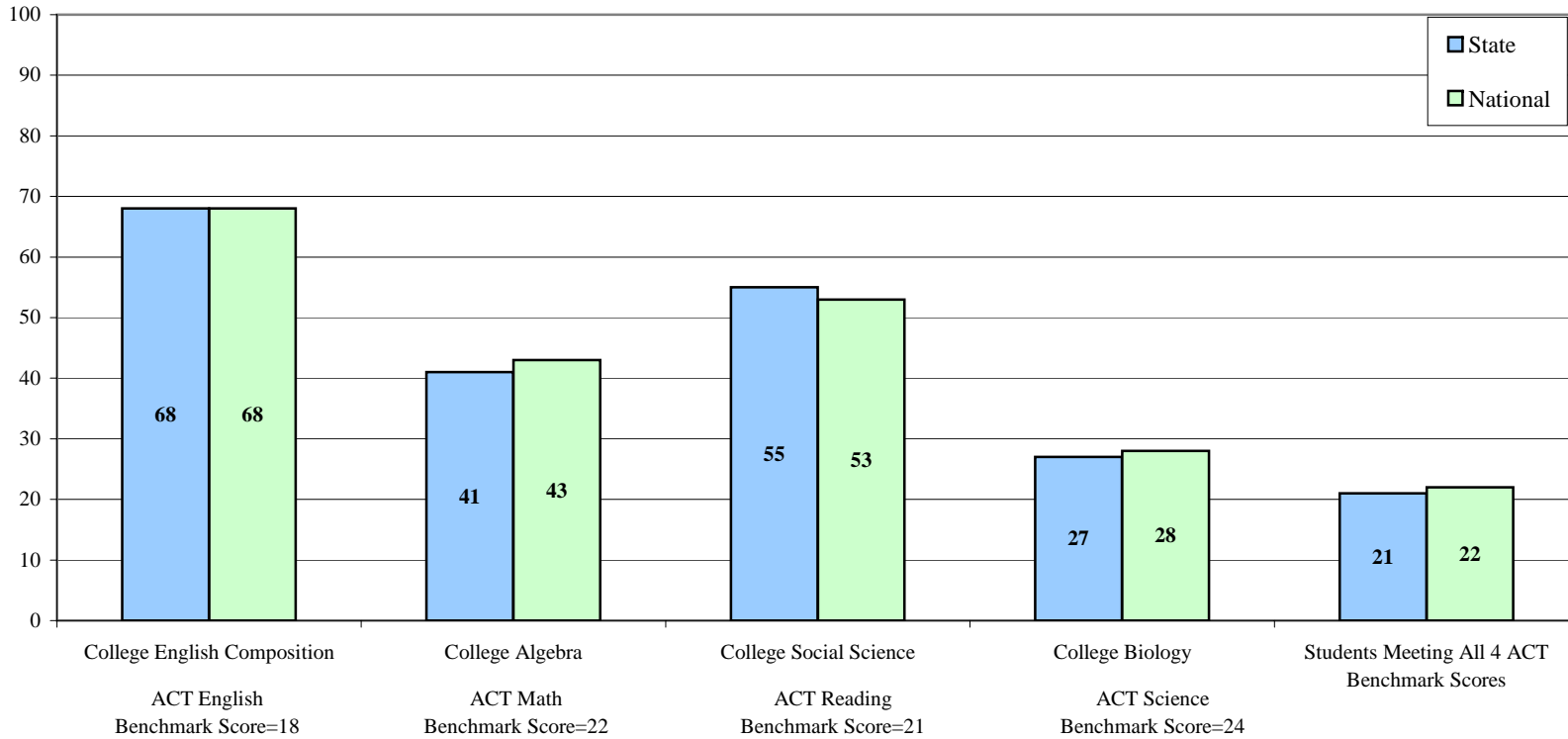
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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
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
2008	4,361	1,421,941	68	68	41	43	55	53	27	28	21	22

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	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
2008	4,361	1,421,941	20.1	20.6	20.8	21.0	21.8	21.4	21.0	20.8	21.1	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
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
2008	1,421,941	20.6	21.0	21.4	20.8	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
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
2008	2,355	1,710	54	39	21.5	18.7	22.0	19.3	23.0	20.6	22.1	19.9	22.3	19.7

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

	2004			2005			2006			2007			2008		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	4,041	100	21.4	3,857	100	21.4	3,871	100	21.6	4,115	100	21.5	4,361	100	21.1
African American/Black	18	0	20.3	20	1	18.2	24	1	18.2	32	1	19.1	37	1	17.8
American Indian/Alaska Native	59	1	19.3	37	1	18.9	53	1	19.2	56	1	17.2	63	1	18.2
Caucasian American/White	3,418	85	21.6	3,252	84	21.5	3,174	82	21.8	3,223	78	21.7	3,649	84	21.3
Hispanic	177	4	19.1	143	4	19.8	165	4	19.3	155	4	19.4	191	4	18.9
Asian American/Pacific Islander	33	1	21.9	35	1	20.9	40	1	22.6	40	1	22.2	58	1	20.9
Other/No Response	336	8	21.4	370	10	21.2	415	11	21.4	609	15	21.3	363	8	20.9

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	2	100	4	100	26	100	9	100	2	100	36
35	29	100	11	100	29	99	16	100	2	100	35
34	31	99	16	100	41	99	17	99	10	100	34
33	23	99	23	99	61	98	34	99	19	100	33
32	36	98	38	99	90	96	31	98	34	99	32
31	56	97	32	98	136	94	30	98	52	98	31
30	82	96	65	97	130	91	55	97	85	97	30
29	85	94	80	96	142	88	62	96	99	95	29
28	103	92	130	94	182	85	89	94	105	93	28
27	118	90	182	91	166	81	118	92	146	91	27
26	131	87	196	87	177	77	164	89	192	87	26
25	217	84	226	82	190	73	292	86	245	83	25
24	207	79	276	77	227	69	250	79	254	77	24
23	234	74	241	71	315	63	303	73	315	71	23
22	291	69	255	65	217	56	454	66	339	64	22
21	384	62	267	59	268	51	372	56	377	56	21
20	390	53	255	53	289	45	508	47	358	48	20
19	298	45	304	47	326	38	384	36	388	40	19
18	246	38	380	40	202	31	313	27	326	31	18
17	223	32	416	32	292	26	190	20	276	23	17
16	242	27	489	22	215	20	226	15	265	17	16
15	236	21	305	11	183	15	115	10	192	11	15
14	191	16	118	4	169	10	93	8	134	6	14
13	135	12	37	1	129	7	84	5	87	3	13
12	111	9	13	1	79	4	73	3	40	1	12
11	97	6	2	1	47	2	43	2	18	1	11
10	70	4	0	1	16	1	26	1	1	1	10
9	35	2	0	1	8	1	6	1	0	1	9
8	39	1	0	1	5	1	3	1	0	1	8
7	16	1	0	1	4	1	1	1	0	1	7
6	2	1	0	1	0	1	0	1	0	1	6
5	1	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)	20.1 (5.6)		20.8 (4.7)		21.8 (5.8)		21.0 (4.6)		21.1 (4.6)		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	79	100	17	100	93	100	104	100	122	100	11	100	24	100	18
17	100	98	60	100	155	98	179	98	147	97	31	100	13	99	17
16	156	96	155	98	232	94	330	94	202	94	57	99	126	99	16
15	160	92	256	95	339	89	333	86	181	89	110	98	168	96	15
14	203	89	230	89	276	81	338	78	321	85	306	95	362	92	14
13	284	84	336	84	346	75	236	71	360	78	322	88	418	84	13
12	315	77	561	76	424	67	439	65	389	69	438	81	557	75	12
11	403	70	560	63	498	57	416	55	480	61	605	71	572	62	11
10	528	61	687	50	419	46	440	46	386	50	836	57	692	49	10
9	526	49	422	34	508	36	368	35	453	41	640	38	561	33	9
8	443	37	446	25	496	25	378	27	578	30	469	23	368	20	8
7	370	27	249	14	294	13	272	18	459	17	156	12	211	11	7
6	274	18	171	9	136	6	228	12	215	6	180	9	103	7	6
5	275	12	102	5	62	3	187	7	47	2	123	5	112	4	5
4	155	6	72	2	48	2	74	3	15	1	41	2	28	2	4
3	61	2	30	1	28	1	29	1	5	1	33	1	24	1	3
2	27	1	7	1	6	1	8	1	0	1	1	1	11	1	2
1	2	1	0	1	1	1	2	1	1	1	2	1	11	1	1
Avg (SD)	9.8 (3.5)		10.6 (3.0)		11.1 (3.3)		11.0 (3.6)		10.8 (3.3)		10.2 (2.6)		10.7 (2.8)		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	26	24	24
Q2 (50th Percentile)	20	20	21	21	21
Q1 (25th Percentile)	16	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	All Students	4,361	54	22.3	19.7
	African Am./Black	37	59	19.8	15.2
	Am. Indian/Alaska Native	63	35	21.1	16.2
	Caucasian Am./White	3,649	55	22.4	20.0
	Hispanic	191	48	21.0	17.3
	Asian Am./Pacific Islander	58	64	22.6	17.7
	Other/No Response	363	52	22.0	20.0
National	All Students	1,421,941	61	22.0	19.5
	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	All Students	20.1	20.8	21.8	21.0	21.1
	African Am./Black	16.1	18.2	18.0	18.5	17.8
	Am. Indian/Alaska Native	16.2	18.4	18.9	18.9	18.2
	Caucasian Am./White	20.4	20.9	22.0	21.2	21.3
	Hispanic	17.6	18.9	19.6	18.9	18.9
	Asian Am./Pacific Islander	20.0	21.4	20.7	20.9	20.9
	Other/No Response	20.2	20.5	21.7	20.6	20.9
National	All Students	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	85	2	54	1	157	4	76	2
	28 to 32	362	8	345	8	680	16	267	6
	24 to 27	673	15	880	20	760	17	824	19
	20 to 23	1,299	30	1,018	23	1,089	25	1,637	38
	16 to 19	1,009	23	1,589	36	1,035	24	1,113	26
	13 to 15	562	13	460	11	481	11	292	7
	01 to 12	371	9	15	0	159	4	152	3
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	2,071	47	19.7	21.5	21.6	21.5	21.2
	Females	2,256	52	20.5	20.1	21.9	20.6	20.9
	Missing	34	1	20.6	20.7	23.4	21.3	21.6
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	65	47	55	31	24
	Females	71	35	55	23	17
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 ²	N	English		Mathematics		Reading		Science		Composite ¹	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg
State	Core	2,355	78	21.5	51	22.0	63	23.0	35	22.1	28	22.3
	Non-Core	1,710	57	18.7	29	19.3	46	20.6	17	19.9	12	19.7
	Missing	296	50	17.8	27	19.0	42	19.6	17	19.2	14	19.0
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

¹% under Composite heading reflects the percent of students who meet all four benchmarks

²"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 ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core	3,779	70	20.5	3,587	47	21.4	3,288	58	22.2	3,167	32	21.7
	Non-Core	340	54	18.2	500	7	16.9	815	49	20.9	929	11	19.1
	Missing	242	49	17.9	274	26	18.9	258	42	19.6	265	17	19.3
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

¹"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

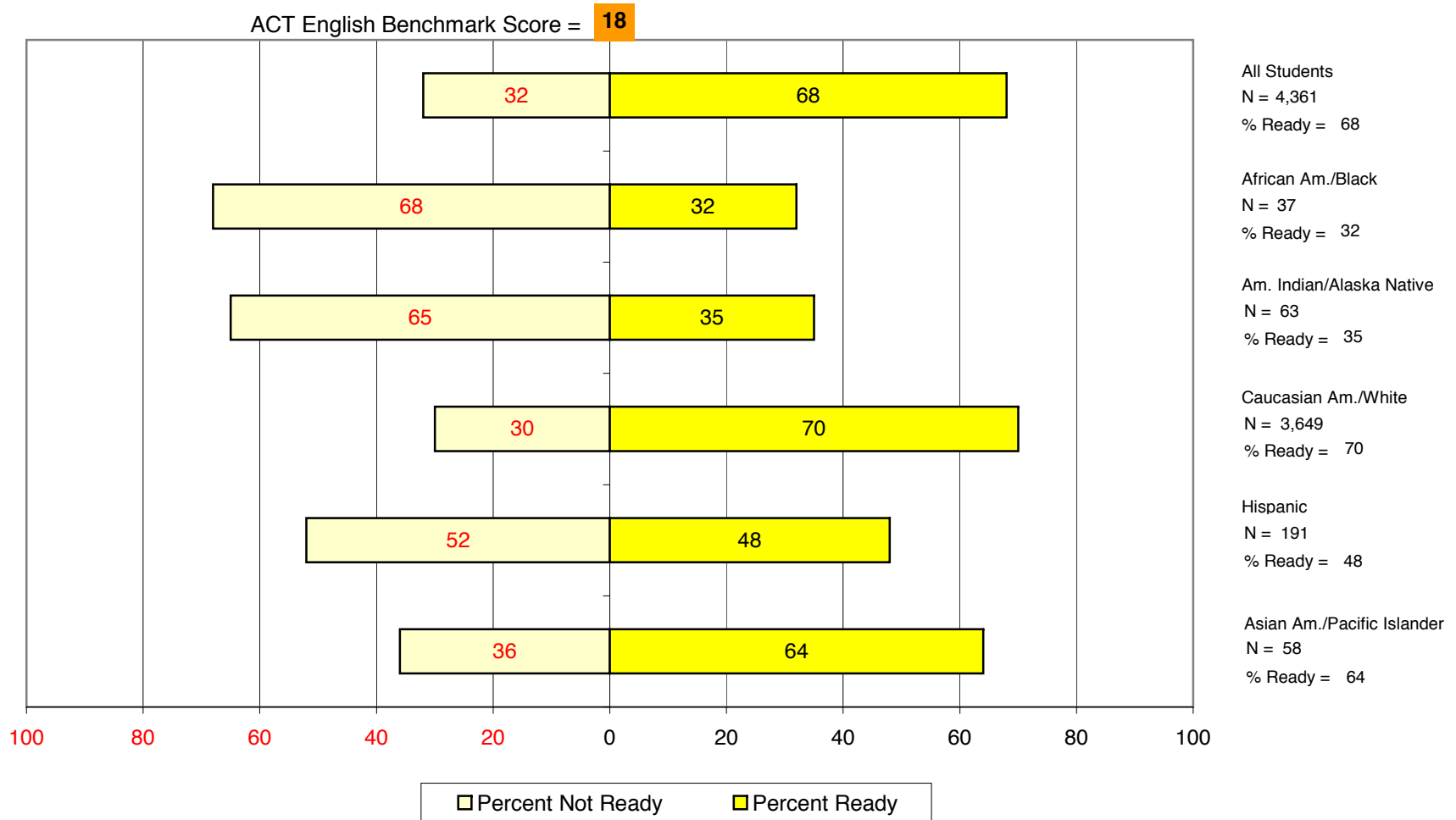


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

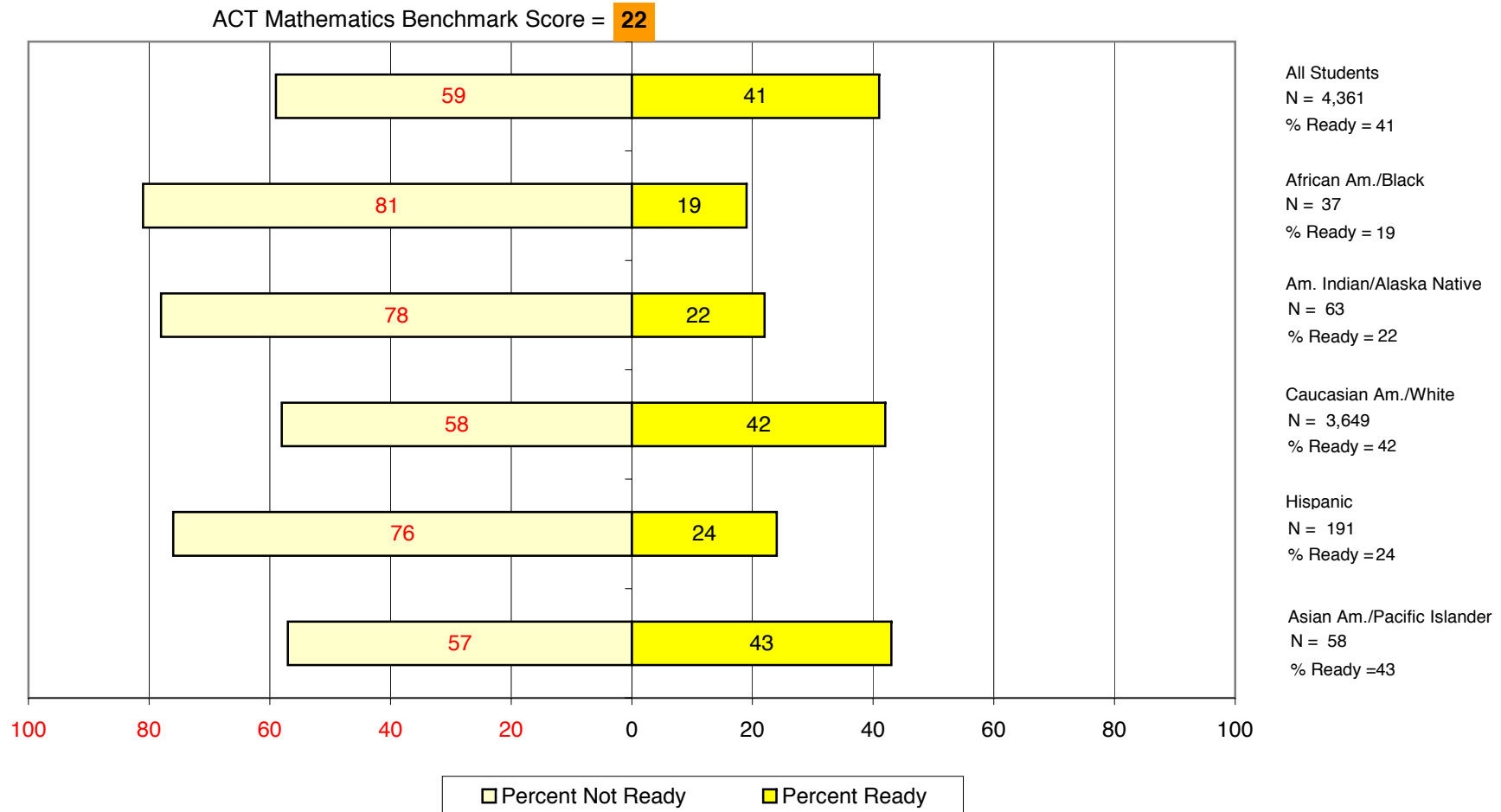


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

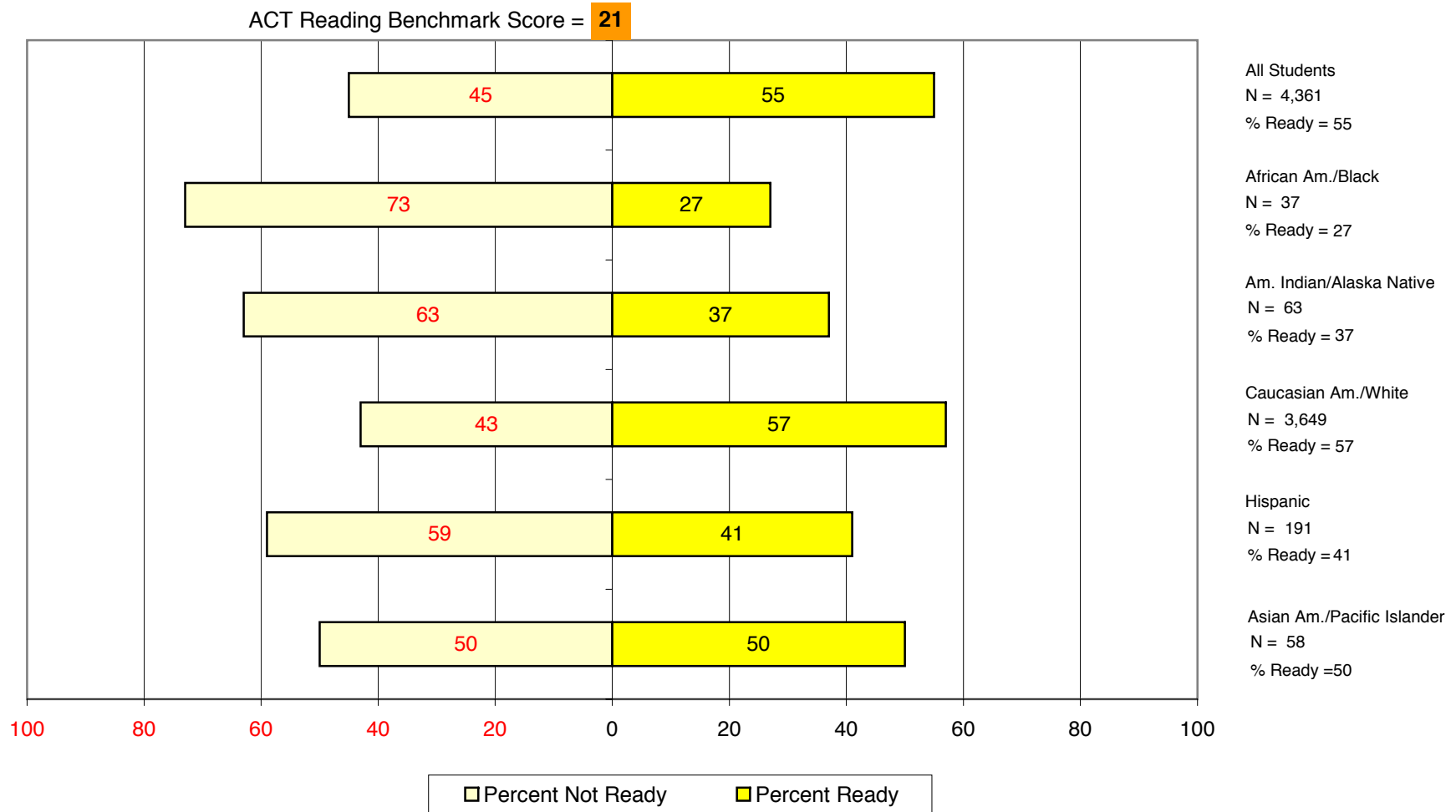


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

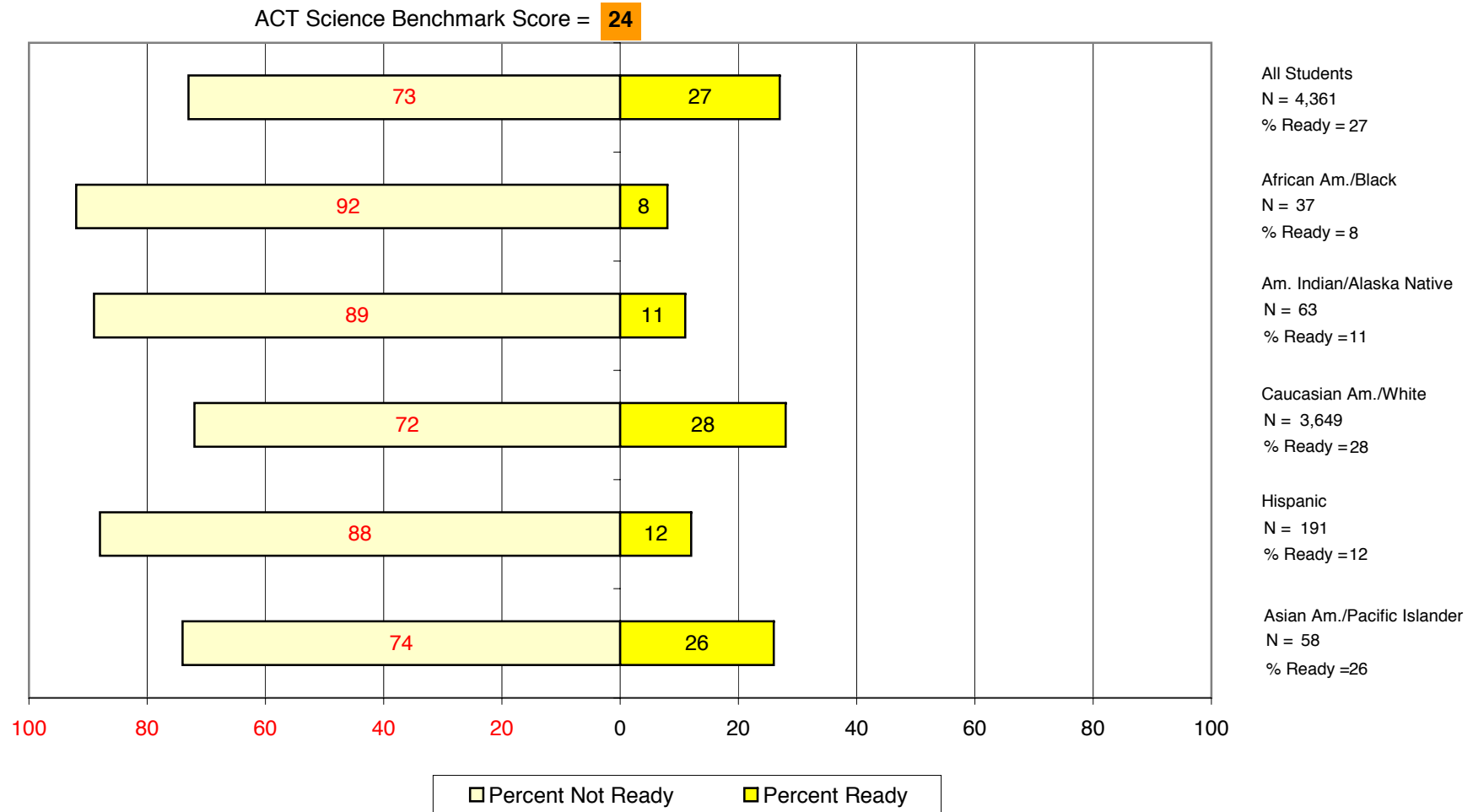


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

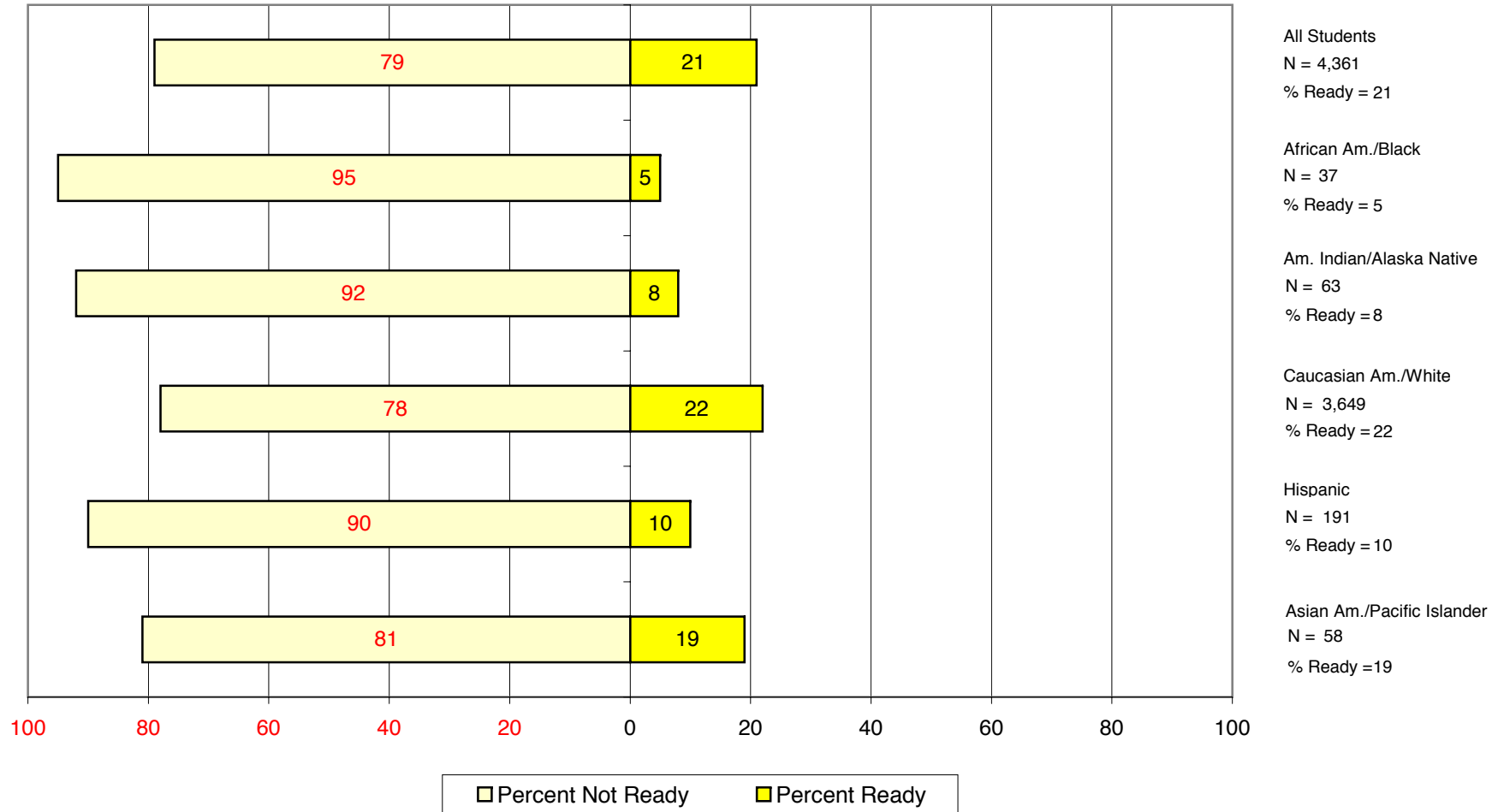


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added 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	959	22	21.5	3.4	367	18	21.0	3.3	585	26	21.9	3.3
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	2,820	65	20.1	2.0	1,403	68	19.7	2.0	1,405	62	20.4	1.8
Less than 4 years of English	347	8	18.1	-	180	9	17.7	-	156	7	18.6	-
No English course/grade information reported	235	5	18.0	-	121	6	17.9	-	110	5	17.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	271	6	24.4	7.6	132	6	25.0	8.0	138	6	23.7	7.1
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	399	9	22.4	5.6	176	8	23.3	6.3	218	10	21.7	5.1
Alg 1, Alg 2, Geom, & Trig	405	9	20.9	4.1	194	9	21.3	4.3	209	9	20.6	4.0
Alg 1, Alg 2, Geom, & Other Adv Math	479	11	20.6	3.8	187	9	21.2	4.2	289	13	20.2	3.6
Other comb of 4 or more years of Math	1,030	24	23.8	7.0	540	26	24.8	7.8	486	22	22.7	6.1
Alg 1, Alg 2, & Geom (Min. Core)	835	19	18.2	1.4	369	18	18.8	1.8	459	20	17.8	1.2
Other comb of 3 or 3.5 years of Math	168	4	19.6	2.8	76	4	19.8	2.8	90	4	19.4	2.8
Less than 3 years of Math	520	12	16.8	-	265	13	17.0	-	251	11	16.6	-
No Math course/grade information reported	254	6	19.1	-	132	6	19.9	-	116	5	18.0	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	127	3	20.5	-0.4	75	4	19.9	-0.6	51	2	21.5	0.3
Other comb of 4 or more years Social Science	1,407	32	22.6	1.7	619	30	22.5	2.0	782	35	22.6	1.4
US Hist, World Hist, & Am Gov (Min. Core)	481	11	21.4	0.5	264	13	21.4	0.9	215	10	21.5	0.3
Other comb of 3 or 3.5 years of Social Science	1,273	29	22.2	1.3	570	28	22.1	1.6	693	31	22.2	1.0
Less than 3 years of Social Science	827	19	20.9	-	421	20	20.5	-	397	18	21.2	-
No Soc Sci course/grade information reported	246	6	19.8	-	122	6	19.8	-	118	5	19.8	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,309	30	22.6	3.5	711	34	23.4	4.4	589	26	21.6	2.5
Bio, Chem, Phys	110	3	23.3	4.2	47	2	24.8	5.8	63	3	22.2	3.1
Gen Sci ² , Bio, Chem (Min. Core)	1,502	34	21.0	1.9	619	30	21.2	2.2	872	39	20.9	1.8
Other comb of 3 years of Natural Science	246	6	21.0	1.9	148	7	21.4	2.4	96	4	20.5	1.4
Less than 3 years of Natural Science	946	22	19.1	-	423	20	19.0	-	517	23	19.1	-
No Nat Sci course/grade information reported	248	6	19.4	-	123	6	19.8	-	119	5	19.0	-

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	959	22	21.5	77	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	2,820	65	20.1	68	949,721	67	20.5	68
Less than 4 years of English	347	8	18.1	53	112,496	8	18.8	56
No English course/grade information reported	235	5	18.0	49	93,330	7	20.2	64
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	271	6	24.4	74	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	399	9	22.4	58	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	405	9	20.9	42	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	479	11	20.6	40	204,909	14	20.4	38
Other comb of 4 or more years of Math	1,030	24	23.8	66	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	835	19	18.2	17	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	168	4	19.6	30	70,951	5	20.8	41
Less than 3 years of Math	520	12	16.8	7	131,252	9	17.4	14
No Math course/grade information reported	254	6	19.1	28	98,554	7	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	127	3	20.5	40	42,546	3	22.7	61
Other comb of 4 or more years Social Science	1,407	32	22.6	61	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	481	11	21.4	51	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	1,273	29	22.2	58	404,731	28	21.3	52
Less than 3 years of Social Science	827	19	20.9	48	185,561	13	20.4	45
No Soc Sci course/grade information reported	246	6	19.8	43	98,548	7	21.1	50
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	1,309	30	22.6	40	453,654	32	22.2	38
Bio, Chem, Phys	110	3	23.3	45	134,033	9	23.2	47
Gen Sci ¹ , Bio, Chem (Min. Core)	1,502	34	21.0	25	435,183	31	20.1	20
Other comb of 3 years of Natural Science	246	6	21.0	27	40,179	3	20.1	22
Less than 3 years of Natural Science	946	22	19.1	12	259,142	18	18.7	13
No Nat Sci course/grade information reported	248	6	19.4	17	99,750	7	20.6	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	140	3	19.1	33	7	16.9	104	3	19.9
Architecture & Environmental Design	82	2	22.0	6	1	20.8	70	2	22.2
Business & Management	262	6	21.0	22	5	18.1	226	7	21.3
Business & Office	33	1	20.4	7	2	18.6	23	1	20.2
Marketing & Distribution	22	1	20.9	2	0	18.0	19	1	21.2
Communications & Comm. Technologies	85	2	22.0	4	1	18.8	77	2	22.4
Community & Personal Services	122	3	19.1	25	6	17.3	90	3	19.6
Computer & Information Sciences	86	2	22.4	4	1	18.0	74	2	22.9
Cross-Disciplinary Studies	5	0	22.2	0	0	.	4	0	22.5
Education	215	5	20.9	12	3	19.8	194	6	21.0
Teacher Education	156	4	20.4	4	1	17.8	147	4	20.6
Engineering	265	6	23.3	15	3	17.3	241	7	23.8
Engineering-Related Technologies	97	2	22.0	12	3	17.1	78	2	22.7
Foreign Languages	25	1	22.8	3	1	19.0	17	1	23.4
Health Sciences & Allied Health Fields	680	16	21.1	48	11	17.5	605	18	21.5
Human, Family & Consumer Science	54	1	19.5	12	3	18.8	41	1	19.6
Letters	34	1	24.0	1	0	15.0	32	1	24.4
Mathematics	24	1	23.2	1	0	15.0	21	1	24.2
Philosophy, Religion & Theology	29	1	23.0	1	0	20.0	25	1	23.1
Sciences (Biological & Physical)	182	4	23.1	4	1	19.8	169	5	23.2
Social Sciences	226	5	21.8	7	2	19.0	209	6	21.9
Trade & Industrial	154	4	17.9	93	21	17.4	55	2	19.0
Visual & Performing Arts	316	7	21.0	38	9	18.5	255	8	21.3
Undecided	615	14	21.1	74	17	17.9	491	15	21.7
No Response	452	10	20.0	17	4	17.6	91	3	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	113	17.5	0	.	2	16.5	97	17.6	5	17.6	1	23.0	8	15.8
2-yr College Degree	332	18.0	1	11.0	1	12.0	279	18.1	21	16.9	0	.	30	18.2
Bachelors Degree	1,760	20.7	21	16.6	24	18.5	1,513	20.8	59	19.3	27	20.4	116	20.4
Graduate Study	631	23.0	3	20.3	11	21.1	527	23.3	21	20.8	6	23.7	63	21.8
Prof. Level Degree	967	22.7	9	20.9	11	17.3	801	23.0	50	19.8	18	21.2	78	23.2
Other	111	19.3	0	.	0	.	90	19.3	6	19.0	2	19.5	13	19.3
No Response	447	19.9	3	16.7	14	16.6	342	20.3	29	16.9	4	19.3	55	20.3

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	2,082	1,037	1,045	1	6	26	34	21	10	1
CASPER COLLEGE	Wyoming	712	334	378	2	13	35	35	12	3	0
LARAMIE COUNTY COMMUNITY COLLEGE	Wyoming	467	192	275	2	14	36	34	11	3	0
SHERIDAN COLLEGE	Wyoming	374	152	222	2	14	37	31	13	4	0
NORTHWEST COLLEGE	Wyoming	345	138	207	1	10	33	33	17	5	0
COLORADO STATE UNIVERSITY	Colorado	290	52	238	1	6	25	33	23	12	0
WESTERN WYOMING COMMUNITY COLLEGE	Wyoming	254	130	124	1	13	41	29	12	5	0
CENTRAL WYOMING COLLEGE	Wyoming	237	106	131	5	15	39	30	9	2	0
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	224	61	163	0	4	18	35	30	11	2
BLACK HILLS STATE UNIVERSITY	South Dakota	200	42	158	1	10	34	33	16	7	1
EASTERN WYOMING COLLEGE	Wyoming	181	72	109	2	18	38	30	9	3	0
MONTANA STATE UNIVERSITY-BILLINGS	Montana	138	31	107	1	5	35	33	20	6	1
UTAH STATE UNIVERSITY	Utah	133	42	91	0	2	24	35	25	14	1
CHADRON STATE COLLEGE	Nebraska	125	26	99	1	7	34	32	17	10	0
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	114	28	86	0	4	19	30	31	14	3
UNIVERSITY OF UTAH	Utah	108	21	87	0	8	19	36	27	10	0
BRIGHAM YOUNG UNIVERSITY	Utah	107	34	73	0	6	14	21	36	21	3
UNIV OF COLORADO-BOULDER	Colorado	104	17	87	0	3	15	29	30	21	2
UNIVERSITY OF MONTANA	Montana	97	19	78	0	4	22	39	27	8	0
UNIV OF NORTHERN COLORADO	Colorado	82	14	68	1	2	28	32	29	7	0
ARIZONA STATE UNIV AT THE TEMPE CAMPUS	Arizona	65	11	54	0	5	26	29	32	8	0
BOISE STATE UNIVERSITY	Idaho	59	10	49	0	2	17	41	27	14	0
MESA STATE COLLEGE	Colorado	58	16	42	0	7	28	40	16	10	0
WEBER STATE UNIVERSITY	Utah	56	10	46	2	11	29	38	21	0	0
UNIVERSITY OF WASHINGTON	Washington	51	7	44	0	0	10	31	37	22	0
SOUTH DAKOTA SCH OF MINES/TECH	South Dakota	49	7	42	0	4	8	24	29	29	6
MICHIGAN STATE UNIVERSITY	Michigan	48	11	37	0	2	13	27	42	15	2
ART INSTITUTE OF COLORADO THE	Colorado	47	19	28	0	9	28	45	19	0	0
UNIVERSITY OF DENVER	Colorado	47	5	42	4	2	21	30	21	21	0
UNIVERSITY OF ARIZONA	Arizona	41	7	34	0	0	29	37	22	12	0
All Other Institutions		2,886	657	2,229	1	8	23	27	25	14	2
Total		9,781	3,308	6,473	1	8	27	31	21	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	886	770,529	22.7	21.4	7.5	7.3	22.0	20.9
African Am./Black	5	86,049	14.2	16.6	6.8	6.5	15.2	16.6
Am. Indian/Alaska Native	16	5,148	18.6	18.9	7.4	6.7	18.9	18.5
Caucasian Am./White	734	464,177	23.0	22.5	7.5	7.4	22.2	21.8
Hispanic	31	71,060	18.9	18.3	7.2	7.1	18.9	18.5
Asian Am./Pacific Islander	16	37,359	24.4	23.1	7.6	7.9	23.3	22.6
Other/No Response	84	106,736	22.7	22.2	7.3	7.5	21.9	21.7
Males	375	327,613	23.0	20.9	7.2	7.0	22.0	20.2
Females	503	421,968	22.4	21.7	7.6	7.6	22.0	21.3
Missing	8	20,948	23.8	23.9	8.0	7.9	23.1	23.2

