

ACT Profile Report - State

Graduating Class 2010
Montana



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This report provides information about the performance of your 2010 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 2010 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, test data for a school, district, and the state 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, or the state.

Furthermore, 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.

Total Students in Report: 6,222

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. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at www.act.org/standard/infoserv.html.

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

28% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT: 6,222 of your students 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. 65% 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 9% of the cohort took less than three years of math courses. Of these students, 9% were college ready. 18% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 20% of these students were college ready. In comparison, 65% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry 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 25% of the cohort took less than three years of natural science courses. 15% of these students were college ready. In comparison, 41% 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 38% 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.

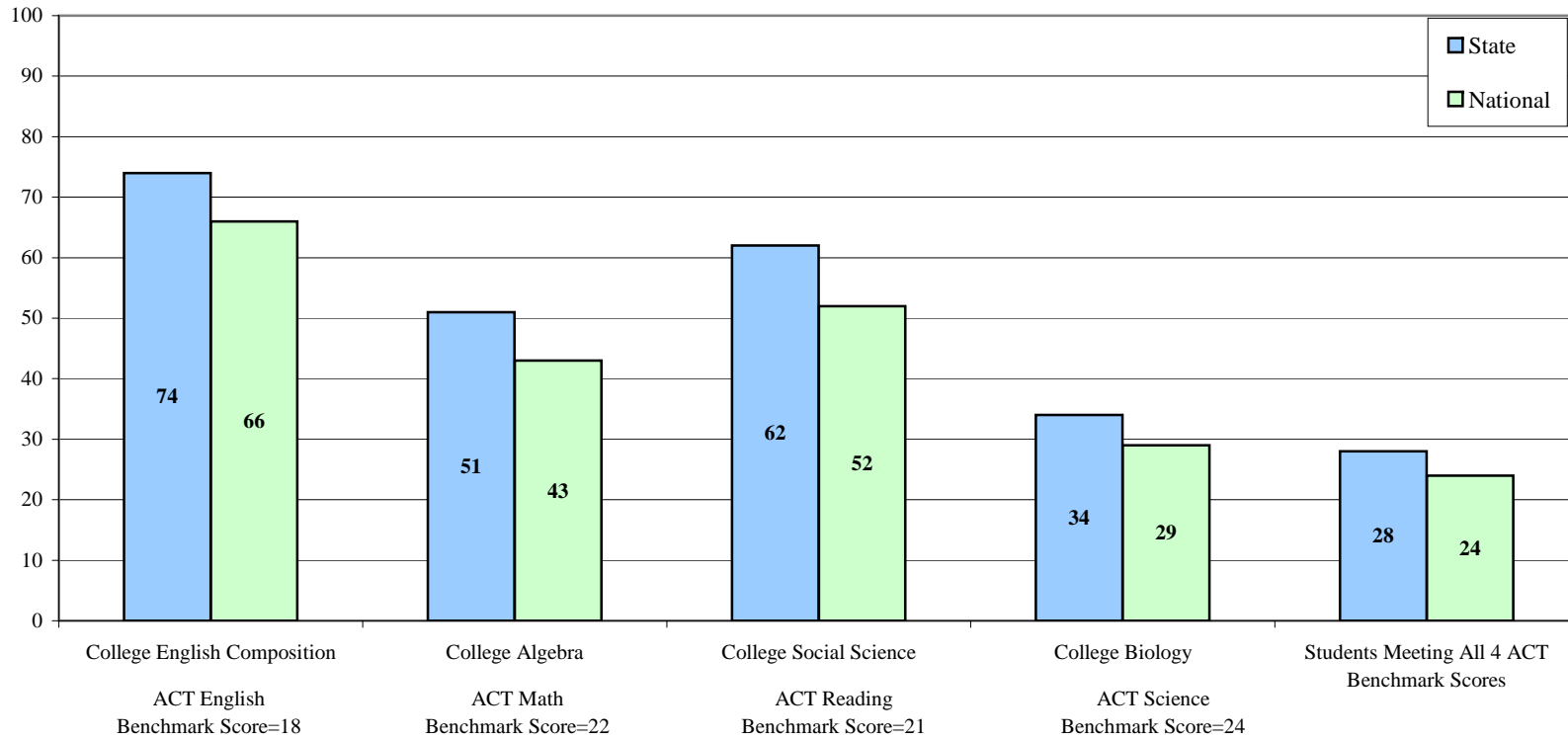
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 303-337-3273.

Section I

Executive Summary

Total Students in Report: 6,222

Figure 1.1. Percent of Your 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.

Total Students in Report: 6,222

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

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
2006	6,033	1,206,455	74	69	49	42	61	53	33	27	26	21
2007	6,066	1,300,599	75	69	50	43	60	53	34	28	26	23
2008	6,286	1,421,941	75	68	49	43	62	53	33	28	26	22
2009	5,960	1,480,469	74	67	48	42	63	53	33	28	26	23
2010	6,222	1,568,835	74	66	51	43	62	52	34	29	28	24

Table 1.2. Five Year Trends—Average ACT Scores

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
2006	6,033	1,206,455	21.0	20.6	21.7	20.8	22.5	21.4	21.8	20.9	21.9	21.1
2007	6,066	1,300,599	21.2	20.7	21.7	21.0	22.5	21.5	21.8	21.0	21.9	21.2
2008	6,286	1,421,941	21.3	20.6	21.8	21.0	22.7	21.4	21.8	20.8	22.0	21.1
2009	5,960	1,480,469	21.2	20.6	21.7	21.0	22.7	21.4	21.7	20.9	22.0	21.1
2010	6,222	1,568,835	21.3	20.5	21.7	21.0	22.7	21.3	21.9	20.9	22.0	21.0

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2009	1,480,469	20.6	21.0	21.4	20.9	21.1
2010	1,568,835	20.5	21.0	21.3	20.9	21.0

Total Students in Report: 6,222

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
	Core or More ¹	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
2006	2,875	2,633	48	44	22.3	19.8	23.1	20.4	23.7	21.5	22.9	20.8	23.1	20.8
2007	2,788	2,545	46	42	22.7	19.7	23.2	20.3	23.8	21.2	23.1	20.7	23.3	20.6
2008	3,519	2,407	56	38	22.5	19.8	23.2	20.0	23.8	21.4	23.0	20.4	23.2	20.5
2009	3,733	2,036	63	34	22.4	19.3	23.0	19.7	23.9	20.9	22.8	20.0	23.2	20.1
2010	4,063	2,008	65	32	22.6	19.1	23.0	19.5	23.8	20.6	23.0	20.0	23.2	19.9

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

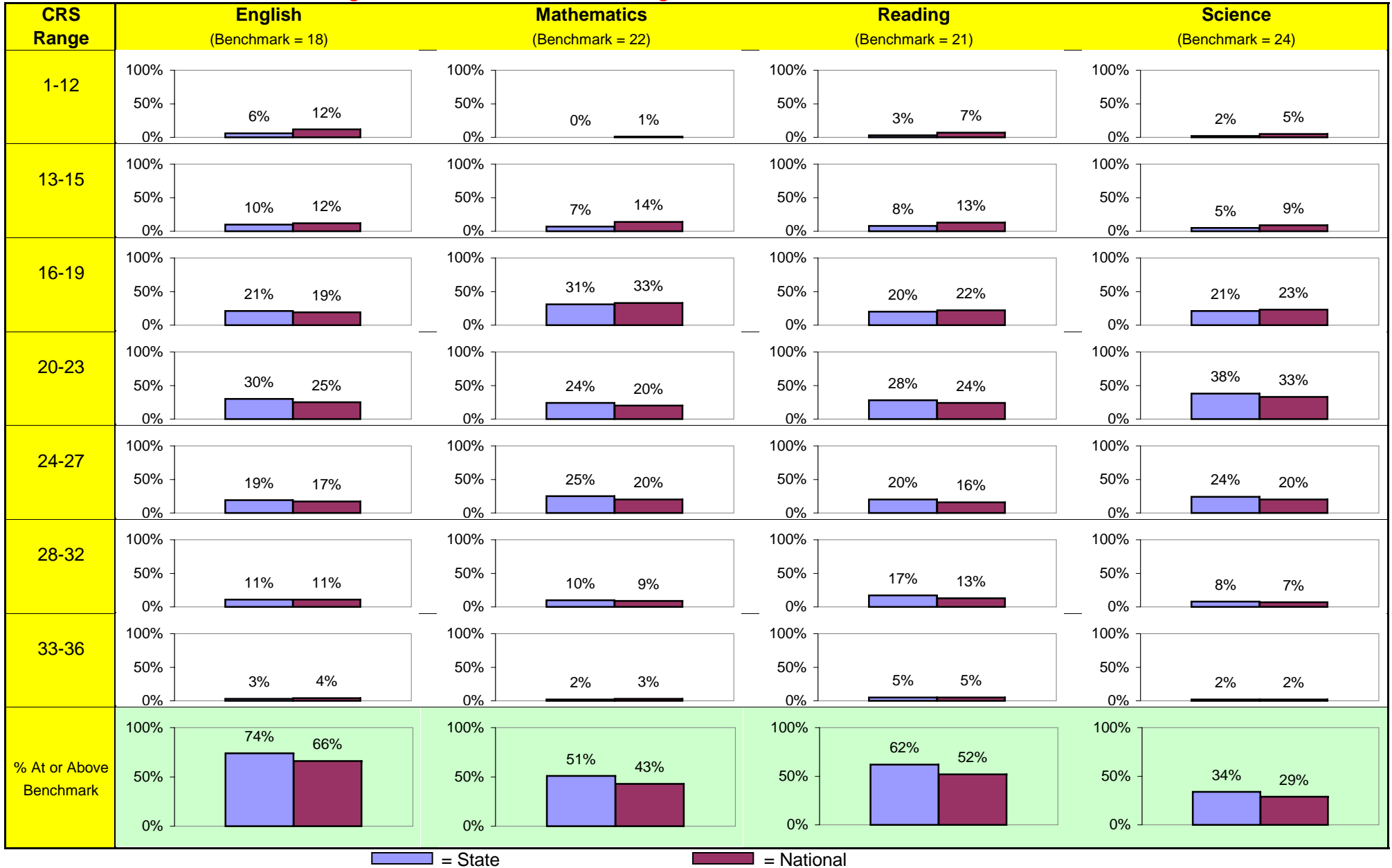
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity

	2006			2007			2008			2009			2010		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	6,033	100	21.9	6,066	100	21.9	6,286	100	22.0	5,960	100	22.0	6,222	100	22.0
African American/Black	16	0	19.5	18	0	17.3	14	0	20.9	26	0	20.3	39	1	19.1
American Indian/Alaska Native	269	4	17.5	286	5	18.1	325	5	17.7	313	5	18.1	373	6	17.8
Caucasian American/White	4,896	81	22.1	4,812	79	22.1	5,241	83	22.3	5,086	85	22.2	5,290	85	22.4
Hispanic	95	2	20.2	94	2	20.8	92	1	20.8	106	2	20.7	124	2	21.0
Asian American/Pacific Islander	67	1	22.4	66	1	22.3	82	1	22.5	72	1	23.1	83	1	22.5
Other/No Response	690	11	22.2	790	13	22.1	532	8	22.2	357	6	21.7	313	5	21.6

Total Students in Report: 6,222

Table 1.6. Percent of Students in College Readiness Standards Score Ranges



Section II

Academic Achievement

Total Students in Report: 6,222

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	13	100	8	100	37	100	13	100	4	100	36
35	53	100	33	100	36	99	32	100	7	100	35
34	64	99	43	99	121	99	26	99	15	100	34
33	81	98	62	99	128	97	54	99	51	100	33
32	86	97	67	98	134	95	21	98	62	99	32
31	95	95	69	97	206	93	75	98	114	98	31
30	145	94	102	95	226	89	101	96	153	96	30
29	115	91	132	94	241	86	122	95	178	93	29
28	230	90	225	92	251	82	155	93	217	91	28
27	199	86	275	88	254	78	248	90	294	87	27
26	321	83	348	84	245	74	317	86	321	82	26
25	310	77	446	78	364	70	489	81	400	77	25
24	357	72	492	71	364	64	469	73	442	71	24
23	363	67	454	63	386	58	634	66	466	64	23
22	449	61	396	56	459	52	489	56	514	56	22
21	560	54	288	49	434	45	605	48	531	48	21
20	486	45	378	45	464	38	610	38	509	39	20
19	411	37	407	39	332	30	447	28	457	31	19
18	294	30	395	32	278	25	426	21	418	24	18
17	272	26	545	26	352	20	242	14	351	17	17
16	345	21	599	17	254	15	197	10	277	12	16
15	292	16	293	7	204	11	136	7	208	7	15
14	214	11	120	3	185	7	106	5	103	4	14
13	119	8	34	1	110	4	90	3	84	2	13
12	106	6	10	1	75	3	47	2	34	1	12
11	92	4	1	1	51	1	31	1	8	1	11
10	73	2	0	1	20	1	19	1	1	1	10
9	48	1	0	1	5	1	13	1	1	1	9
8	18	1	0	1	2	1	4	1	2	1	8
7	7	1	0	1	2	1	3	1	0	1	7
6	2	1	0	1	1	1	0	1	0	1	6
5	0	1	0	1	0	1	1	1	0	1	5
4	2	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	1	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	21.3 (5.6)		21.7 (4.8)		22.7 (5.7)		21.9 (4.5)		22.0 (4.6)		Avg (SD)

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

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Total Students in Report: 6,222

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score Averages

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	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	187	100	67	100	140	100	256	100	199	100	49	100	44	100	18
17	188	97	42	99	298	98	466	96	335	97	69	99	32	99	17
16	277	94	314	98	463	93	394	88	370	91	171	98	176	99	16
15	378	90	469	93	531	86	556	82	456	85	207	95	387	96	15
14	363	83	443	86	432	77	431	73	482	78	561	92	568	90	14
13	442	78	557	79	476	70	577	66	455	70	664	83	834	81	13
12	482	71	855	70	736	62	613	57	623	63	768	72	722	67	12
11	572	63	871	56	574	51	652	47	653	53	929	60	775	56	11
10	904	54	674	42	651	41	533	37	660	43	884	45	922	43	10
9	693	39	723	31	760	31	452	28	523	32	956	31	626	28	9
8	496	28	499	19	455	19	448	21	649	24	478	15	520	18	8
7	476	20	305	11	388	11	300	14	522	13	238	8	220	10	7
6	358	12	135	6	157	5	274	9	213	5	68	4	185	6	6
5	193	7	134	4	96	3	174	4	47	1	99	3	99	3	5
4	144	3	93	2	26	1	67	2	23	1	33	1	40	2	4
3	51	1	37	1	28	1	19	1	9	1	39	1	38	1	3
2	14	1	3	1	9	1	10	1	2	1	2	1	29	1	2
1	4	1	1	1	2	1	0	1	1	1	7	1	5	1	1
Avg (SD)	10.6 (3.5)		11.0 (3.0)		11.5 (3.3)		11.8 (3.6)		11.4 (3.4)		10.9 (2.7)		11.0 (2.8)		Avg (SD)

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

Table 2.3. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	25	25	27	25	25
Q2 (50th Percentile)	21	22	22	22	22
Q1 (25th Percentile)	17	17	19	19	19

Total Students in Report: 6,222

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	6,222	65	23.2	19.9
	African American/Black	39	38	22.9	17.0
	American Indian/Alaska Native	373	45	19.5	16.6
	Caucasian American/White	5,290	67	23.4	20.2
	Hispanic	124	60	22.5	18.7
	Asian American/Pacific Islander	83	82	23.0	20.1
	Other/No Response	313	60	22.7	20.1
National	All Students	1,568,835	71	22.0	18.9
	African American/Black	214,836	65	17.5	15.8
	American Indian/Alaska Native	16,382	60	20.2	17.4
	Caucasian American/White	979,329	74	23.1	20.0
	Hispanic	157,579	68	19.4	17.0
	Asian American/Pacific Islander	65,362	81	23.9	21.5
	Other/No Response	135,347	65	21.8	18.7

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	21.3	21.7	22.7	21.9	22.0
	African American/Black	18.4	18.1	19.9	19.3	19.1
	American Indian/Alaska Native	16.2	17.8	18.5	18.4	17.8
	Caucasian American/White	21.7	22.0	23.0	22.2	22.4
	Hispanic	20.2	20.8	21.4	21.0	21.0
	Asian American/Pacific Islander	21.9	22.8	22.6	22.2	22.5
	Other/No Response	21.0	20.8	22.6	21.3	21.6
National	All Students	20.5	21.0	21.3	20.9	21.0
	African American/Black	15.7	17.1	16.8	17.2	16.9
	American Indian/Alaska Native	17.9	18.8	19.4	19.3	19.0
	Caucasian American/White	22.0	22.0	22.6	22.0	22.3
	Hispanic	17.3	19.0	18.7	18.7	18.6
	Asian American/Pacific Islander	22.6	24.7	22.9	23.0	23.4
	Other/No Response	20.0	20.7	20.9	20.4	20.6

Total Students in Report: 6,222

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	211	3	146	2	322	5	125	2
	28 to 32	671	11	595	10	1,058	17	474	8
	24 to 27	1,187	19	1,561	25	1,227	20	1,523	24
	20 to 23	1,858	30	1,516	24	1,743	28	2,338	38
	16 to 19	1,322	21	1,946	31	1,216	20	1,312	21
	13 to 15	625	10	447	7	499	8	332	5
	01 to 12	348	6	11	0	157	3	118	2
National	33 to 36	66,467	4	46,930	3	76,605	5	30,627	2
	28 to 32	165,254	11	142,908	9	211,021	13	111,377	7
	24 to 27	268,486	17	319,044	20	248,190	16	317,878	20
	20 to 23	386,648	25	318,678	20	383,226	24	513,801	33
	16 to 19	302,869	19	518,636	33	340,348	22	368,286	23
	13 to 15	191,597	12	213,176	14	201,824	13	148,317	9
	01 to 12	187,514	12	9,463	1	107,621	7	78,549	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	2,828	45	20.8	22.4	22.4	22.4	22.1
	Females	3,385	54	21.7	21.1	22.9	21.4	21.9
	Missing	9	0	22.2	22.4	24.9	24.4	23.6
National	Males	713,544	45	20.1	21.6	21.1	21.4	21.2
	Females	852,493	54	20.8	20.5	21.4	20.5	20.9
	Missing	2,798	0	16.2	17.9	17.7	17.9	17.5

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	71	56	61	39	33
	Females	77	46	64	30	24
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 6,222

Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	4,063	83	22.6	62	23.0	71	23.8	42	23.0	36	23.2
	Less than Core	2,008	60	19.1	30	19.5	47	20.6	19	20.0	13	19.9
	Missing ³	151	40	16.5	11	16.9	26	18.4	13	18.0	7	17.6
National	Core or More	1,118,639	74	21.6	51	21.9	58	22.2	35	21.7	29	22.0
	Less than Core	397,685	50	18.1	26	18.9	37	19.2	17	19.0	13	18.9
	Missing	52,511	33	15.5	16	17.4	24	17.1	10	17.3	7	16.9

¹ "Curriculum Taken" reflects overall high school curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

³ Zero years or no coursework information reported in one or more content areas.

⁴ Composite CRB% results reflect students who meet all four subject-area benchmarks.

Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores 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 or More ²	5,978	75	21.4	5,505	56	22.3	5,645	64	22.8	4,533	41	22.8
	Less than Core	124	66	19.9	575	9	17.1	455	55	21.5	1,560	15	19.5
	Missing ³	120	42	16.6	142	11	17.0	122	30	18.6	129	14	18.2
National	Core or More	1,451,549	69	20.8	1,423,506	47	21.4	1,366,601	54	21.6	1,290,372	33	21.5
	Less than Core	74,180	39	16.4	97,949	7	16.4	156,679	39	19.5	231,566	12	18.3
	Missing	43,106	34	15.7	47,380	16	17.5	45,555	25	17.3	46,897	10	17.4

¹ "Curriculum Taken" reflects content-specific curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

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

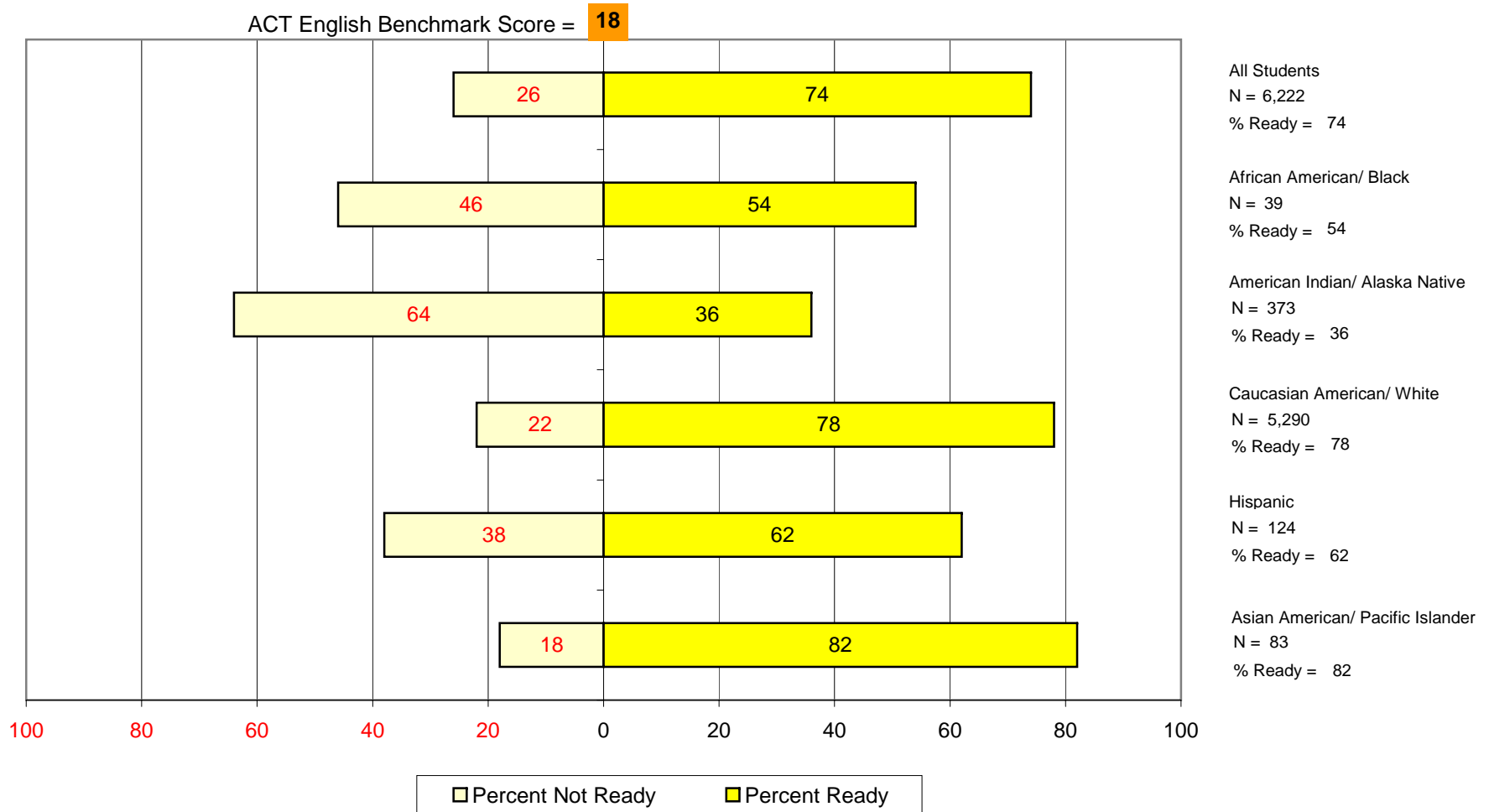
³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

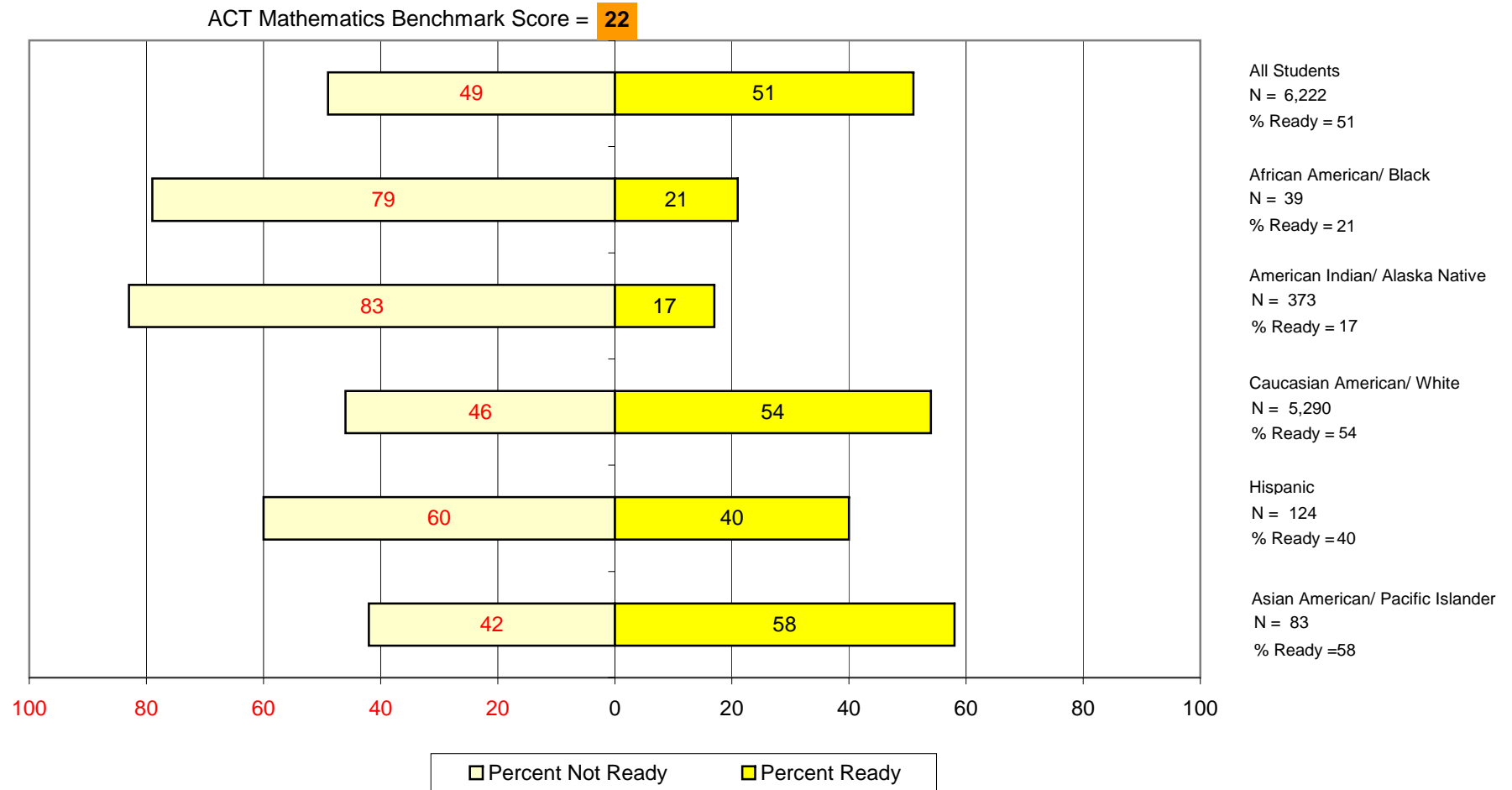
Total Students in Report: 6,222

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



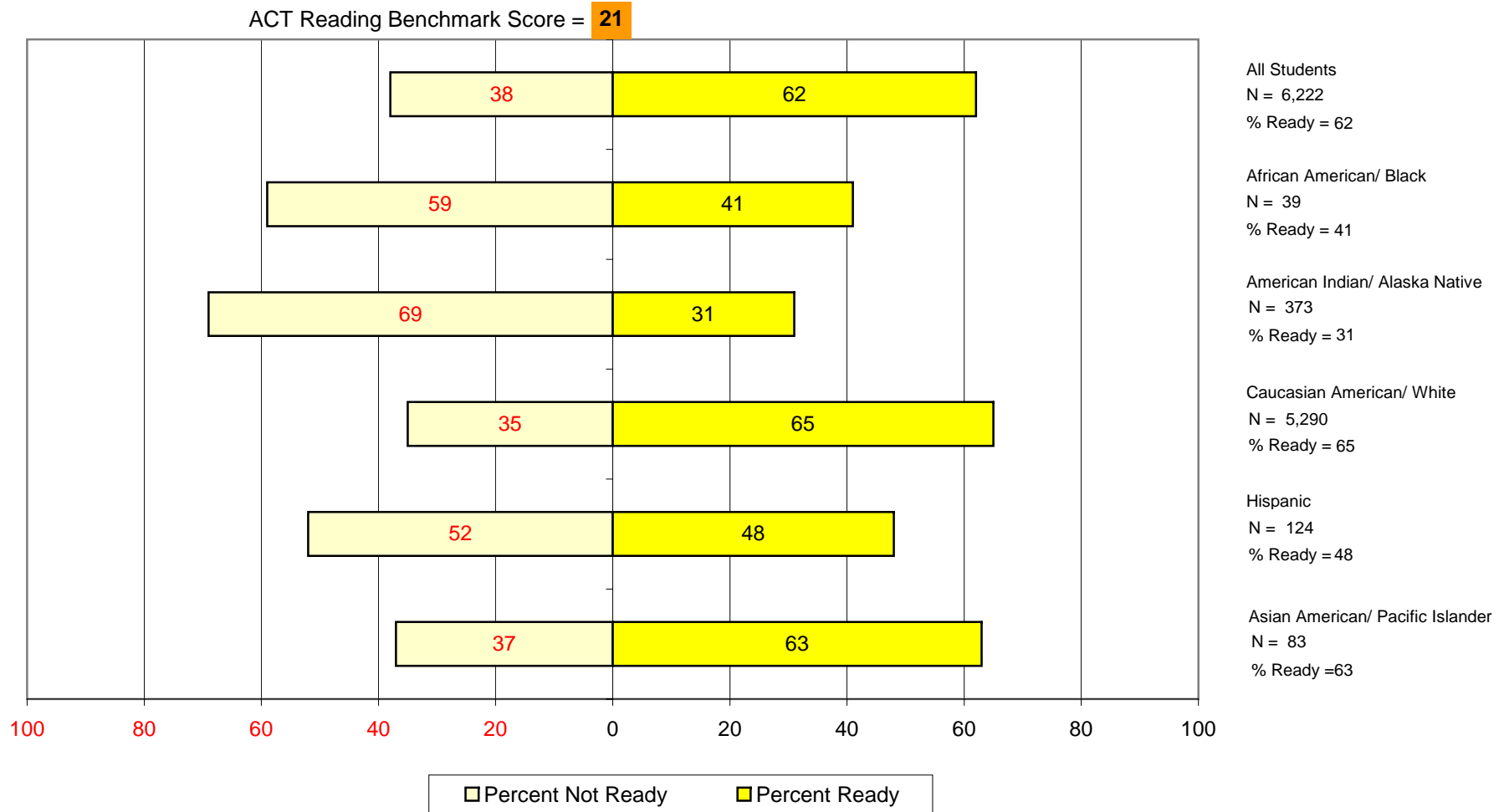
Total Students in Report: 6,222

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



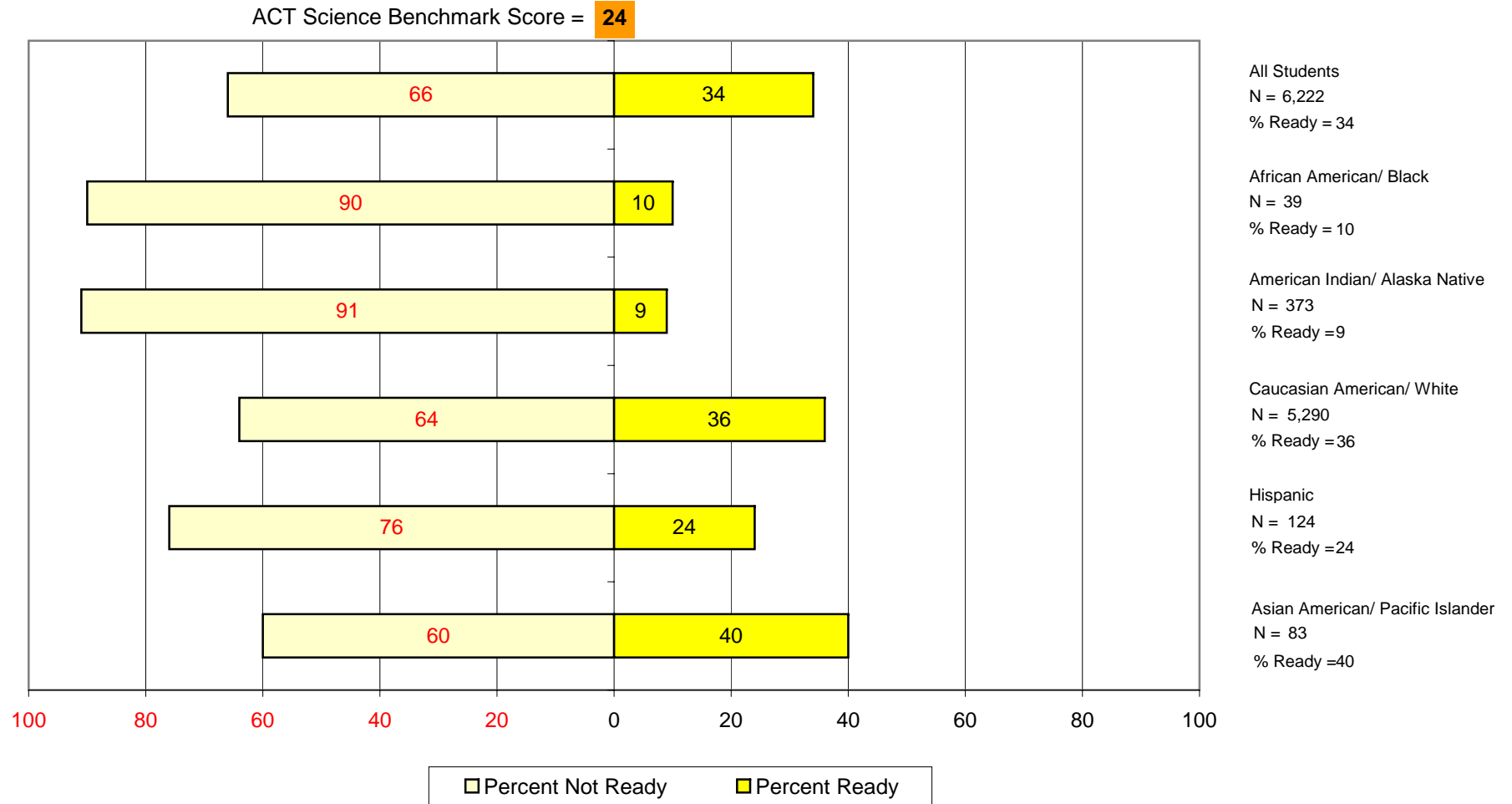
Total Students in Report: 6,222

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



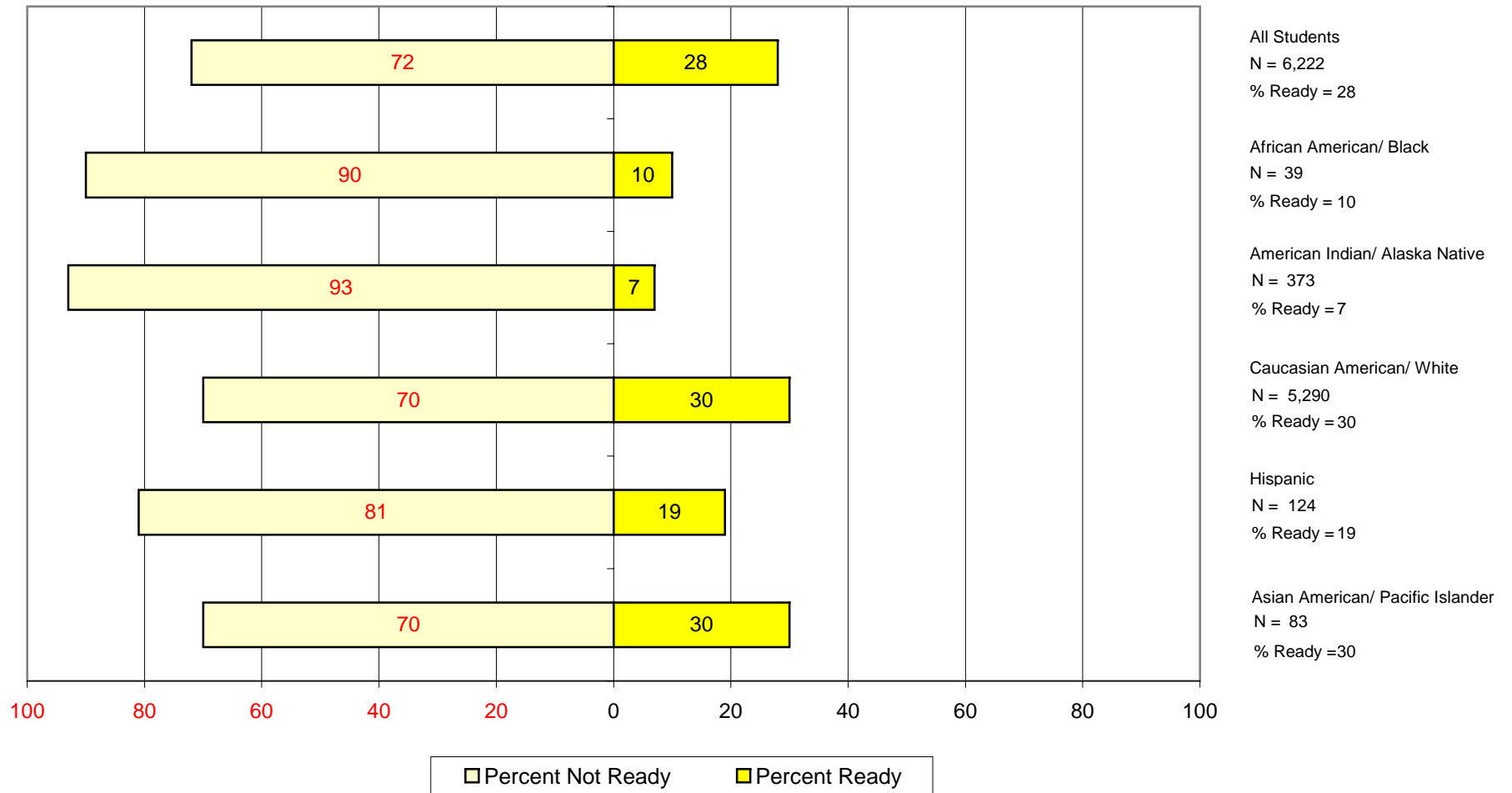
Total Students in Report: 6,222

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



Total Students in Report: 6,222

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



Total Students in Report: 6,222

Table 3.1. Average ACT Scores and Average ACT 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	1,352	22	22.3	2.4	520	18	21.5	1.2	830	25	22.8	3.2
Eng 9, Eng 10, Eng 11, Eng 12	4,626	74	21.2	1.3	2,194	78	20.8	0.5	2,426	72	21.5	1.9
Less than 4 years of English	124	2	19.9	-	60	2	20.3	-	64	2	19.6	-
Zero years / no English courses reported	120	2	16.6	-	54	2	16.3	-	65	2	16.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	365	6	25.3	8.2	186	7	26.0	8.6	178	5	24.6	7.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	604	10	23.1	6.0	236	8	23.8	6.4	366	11	22.6	5.7
Alg 1, Alg 2, Geom, & Trig	455	7	21.1	4.0	199	7	21.8	4.4	256	8	20.6	3.7
Alg 1, Alg 2, Geom, & Other Adv Math	861	14	21.6	4.5	324	11	22.2	4.8	536	16	21.2	4.3
Other comb of 4 or more years of Math	1,816	29	24.5	7.4	912	32	25.2	7.8	903	27	23.8	6.9
Alg 1, Alg 2, & Geom	1,127	18	18.6	1.5	500	18	19.0	1.6	625	18	18.4	1.5
Other comb of 3 or 3.5 years of Math	277	4	21.1	4.0	147	5	21.6	4.2	130	4	20.4	3.5
Less than 3 years of Math	575	9	17.1	-	258	9	17.4	-	316	9	16.9	-
Zero years / no Math courses reported	142	2	17.0	-	66	2	17.5	-	75	2	16.4	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	615	10	22.8	1.3	311	11	22.5	1.0	302	9	23.1	1.7
Other comb of 4 or more years Social Science	1,852	30	23.2	1.7	805	28	23.0	1.5	1,044	31	23.3	1.9
US Hist, World Hist, & Am Gov	1,493	24	22.6	1.1	715	25	22.2	0.7	777	23	22.8	1.4
Other comb of 3 or 3.5 years of Social Science	1,685	27	22.8	1.3	718	25	22.5	1.0	965	29	23.0	1.6
Less than 3 years of Social Science	455	7	21.5	-	224	8	21.5	-	231	7	21.4	-
Zero years / no Social Science courses reported	122	2	18.6	-	55	2	18.3	-	66	2	18.7	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	2,052	33	23.8	4.3	1,039	37	24.6	4.9	1,010	30	22.9	3.6
Bio, Chem, Phys	132	2	24.0	4.5	65	2	24.8	5.1	67	2	23.3	4.0
Gen Sci ² , Bio, Chem	2,015	32	21.9	2.4	738	26	22.1	2.4	1,275	38	21.8	2.5
Other comb of 3 years of Natural Science	334	5	22.2	2.7	198	7	22.7	3.0	136	4	21.4	2.1
Less than 3 years of Natural Science	1,560	25	19.5	-	730	26	19.7	-	827	24	19.3	-
Zero years / no Natural Science courses reported	129	2	18.2	-	58	2	18.7	-	70	2	17.7	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took less than four years and three years of English and non-English content areas, respectively.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 6,222

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	1,352	22	22.3	80	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	4,626	74	21.2	74	1,096,437	70	20.5	66
Less than 4 years of English	124	2	19.9	66	74,180	5	16.4	39
Zero years / no English courses reported	120	2	16.6	42	43,106	3	15.7	34
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	365	6	25.3	82	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	604	10	23.1	70	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	455	7	21.1	46	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	861	14	21.6	52	239,289	15	20.0	36
Other comb of 4 or more years of Math	1,816	29	24.5	74	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	1,127	18	18.6	20	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	277	4	21.1	46	74,720	5	19.9	35
Less than 3 years of Math	575	9	17.1	9	97,949	6	16.4	7
Zero years / no Math courses reported	142	2	17.0	11	47,380	3	17.5	16
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	615	10	22.8	63	47,523	3	22.6	60
Other comb of 4 or more years Social Science	1,852	30	23.2	65	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	1,493	24	22.6	61	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	1,685	27	22.8	64	439,520	28	21.2	51
Less than 3 years of Social Science	455	7	21.5	55	156,679	10	19.5	39
Zero years / no Social Science courses reported	122	2	18.6	30	45,555	3	17.3	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	2,052	33	23.8	50	620,765	40	22.2	40
Bio, Chem, Phys	132	2	24.0	50	152,001	10	23.2	48
Gen Sci ¹ , Bio, Chem	2,015	32	21.9	33	474,375	30	20.1	21
Other comb of 3 years of Natural Science	334	5	22.2	36	43,231	3	19.7	21
Less than 3 years of Natural Science	1,560	25	19.5	15	231,566	15	18.3	12
Zero years / no Natural Science courses reported	129	2	18.2	14	46,897	3	17.4	10

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 6,222

Table 4.1. Distribution of Planned Educational Majors for All Students 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	180	3	20.5	35	7	18.0	135	3	21.1
Architecture & Environmental Design	115	2	22.7	6	1	21.0	105	2	22.8
Business & Management	409	7	21.1	25	5	18.4	363	7	21.3
Business & Office	42	1	18.9	11	2	16.0	28	1	20.1
Marketing & Distribution	27	0	19.9	0	0	.	27	1	19.9
Communications & Comm. Technologies	84	1	22.6	3	1	21.7	78	2	22.6
Community & Personal Services	105	2	19.5	14	3	18.9	86	2	19.7
Computer & Information Sciences	102	2	22.7	10	2	18.9	87	2	23.4
Cross-Disciplinary Studies	10	0	23.8	0	0	.	9	0	23.7
Education	275	4	21.3	12	3	16.3	247	5	21.7
Teacher Education	198	3	20.3	6	1	18.2	177	3	20.4
Engineering	341	5	24.5	13	3	15.8	317	6	25.0
Engineering-Related Technologies	267	4	23.4	18	4	19.8	233	4	23.6
Foreign Languages	43	1	24.1	0	0	.	42	1	24.3
Health Sciences & Allied Health Fields	1,176	19	22.0	85	18	18.7	1,045	20	22.4
Human, Family & Consumer Science	55	1	19.9	13	3	18.8	37	1	20.0
Letters	61	1	24.9	0	0	.	58	1	24.7
Mathematics	48	1	23.9	1	0	25.0	44	1	24.0
Philosophy, Religion & Theology	29	0	23.2	2	0	28.0	22	0	23.5
Sciences (Biological & Physical)	468	8	24.2	7	1	19.7	440	8	24.5
Social Sciences	372	6	22.5	9	2	18.8	353	7	22.6
Trade & Industrial	177	3	19.2	103	22	18.8	64	1	20.0
Visual & Performing Arts	393	6	21.9	32	7	18.4	327	6	22.4
Undecided	1,051	17	22.0	68	14	18.0	850	16	22.2
No Response	194	3	18.2	5	1	16.2	18	0	20.0

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.

²Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 6,222

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 American/Black		American Indian/Alaska Native		Caucasian American/White		Hispanic		Asian American/Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	116	18.4	4	14.8	7	14.7	98	18.8	3	19.0	0	.	4	17.5
2-yr College Degree	362	18.5	2	19.0	21	15.4	306	18.8	11	15.5	1	19.0	21	18.2
Bachelors Degree	3,086	21.4	16	19.1	148	18.1	2,706	21.6	56	19.9	41	22.1	119	20.5
Graduate Study	756	24.3	5	23.4	24	20.7	669	24.5	15	23.9	7	24.1	36	24.9
Prof. Level Degree	1,350	24.1	5	21.8	62	20.3	1,166	24.4	26	24.8	23	23.6	68	23.1
Other	165	19.8	1	19.0	13	15.0	131	20.4	6	16.3	4	24.0	10	18.3
No Response	387	20.6	6	16.2	98	16.2	214	22.4	7	22.7	7	19.6	55	21.9

Total Students in Report: 6,222

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	
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	2,249	1,004	1,245	1	4	21	33	26	14	1	
UNIVERSITY OF MONTANA	Montana	1,983	845	1,138	1	6	24	34	24	10	1	
MONTANA STATE UNIVERSITY-BILLINGS	Montana	979	368	611	1	9	30	34	20	7	0	
MONTANA TECH OF THE UNIV OF MONTANA	Montana	521	174	347	1	4	23	32	24	14	1	
CARROLL COLLEGE	Montana	491	150	341	0	3	16	33	30	17	0	
ROCKY MOUNTAIN COLLEGE	Montana	347	75	272	0	7	26	35	24	8	0	
MONTANA STATE UNIVERSITY-NORTHERN	Montana	294	98	196	1	14	41	26	14	4	0	
UNIVERSITY OF MONTANA WESTERN	Montana	292	75	217	1	10	36	35	14	4	0	
UNIVERSITY OF WASHINGTON	Washington	173	32	141	1	1	7	25	39	24	3	
UNIVERSITY OF GREAT FALLS	Montana	159	34	125	3	12	33	32	17	3	0	
GONZAGA UNIVERSITY	Washington	149	32	117	1	1	15	21	40	21	1	
MONTANA STATE UNIV C TECH-GREAT FALLS	Montana	141	48	93	1	13	36	33	14	3	0	
WASHINGTON STATE UNIVERSITY	Washington	122	20	102	0	0	10	29	29	31	2	
NORTHWEST COLLEGE	Wyoming	107	33	74	3	10	40	31	12	4	0	
UNIVERSITY OF OREGON	Oregon	102	16	86	0	1	9	28	45	14	3	
MILES COMMUNITY COLLEGE	Montana	100	27	73	2	11	43	28	13	3	0	
UNIVERSITY OF MONTANA-HELENA C OF TECH	Montana	100	22	78	1	18	34	29	15	3	0	
NCAA ELIGIBILITY CENTER	Indiana	98	38	60	0	4	20	40	24	8	3	
FLATHEAD VALLEY COMMUNITY COLLEGE	Montana	96	29	67	2	7	33	40	13	5	0	
DICKINSON STATE UNIVERSITY	North Dakota	95	21	74	0	6	36	34	20	4	0	
DAWSON COMMUNITY COLLEGE	Montana	92	33	59	0	22	38	29	8	3	0	
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	83	40	43	0	4	19	25	29	22	1	
CONCORDIA COLLEGE-MOORHEAD	Minnesota	83	20	63	0	2	18	22	35	23	0	
OREGON STATE UNIVERSITY	Oregon	77	10	67	0	3	17	29	26	25	1	
BRIGHAM YOUNG UNIVERSITY	Utah	72	39	33	0	3	10	22	32	32	1	
BOISE STATE UNIVERSITY	Idaho	69	10	59	0	3	26	30	28	12	1	
UNIVERSITY OF NORTH DAKOTA	North Dakota	65	21	44	0	6	6	38	32	17	0	
UNIVERSITY OF MARY	North Dakota	64	16	48	0	5	23	41	27	5	0	
UNIVERSITY OF WYOMING	Wyoming	64	9	55	2	3	17	30	28	19	2	
COLORADO STATE UNIVERSITY	Colorado	62	12	50	0	2	5	35	32	21	5	
All Other Institutions		3,704	868	2,836	1	5	16	28	29	18	3	
Total		13,033	4,219	8,814	1	6	22	31	25	13	1	

Section V

Optional Writing Test Results

Total Students in Report: 6,222

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	3,849	869,014	21.8	21.4	7.0	7.1	20.9	20.8
African American/Black	23	107,638	20.0	16.4	6.5	6.4	19.2	16.4
American Indian/Alaska Native	269	6,232	16.1	18.9	6.1	6.6	15.9	18.4
Caucasian American/White	3,227	518,004	22.3	23.0	7.0	7.3	21.3	22.1
Hispanic	90	101,126	21.4	18.1	6.6	6.9	20.3	18.1
Asian American/Pacific Islander	48	49,922	22.3	23.6	6.7	7.7	21.0	22.9
Other/No Response	192	86,092	22.0	21.0	7.1	7.1	21.2	20.4
Males	1,696	384,152	21.4	21.1	6.7	6.9	20.3	20.3
Females	2,147	484,023	22.2	21.7	7.1	7.3	21.3	21.2
Missing	6	839	22.8	16.8	7.8	6.3	22.5	16.6

