

ACT High School Profile Report

The Graduating Class of 2007
Montana



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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

26% 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. 6,066 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. 46% 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 15% of the cohort took less than three years of math courses. Of these students, 25% were college ready. 17% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 24% of these students were college ready. In comparison, 66% 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 28% of the cohort took less than three years of natural science courses. 18% of these students were college ready. In comparison, 42% 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.

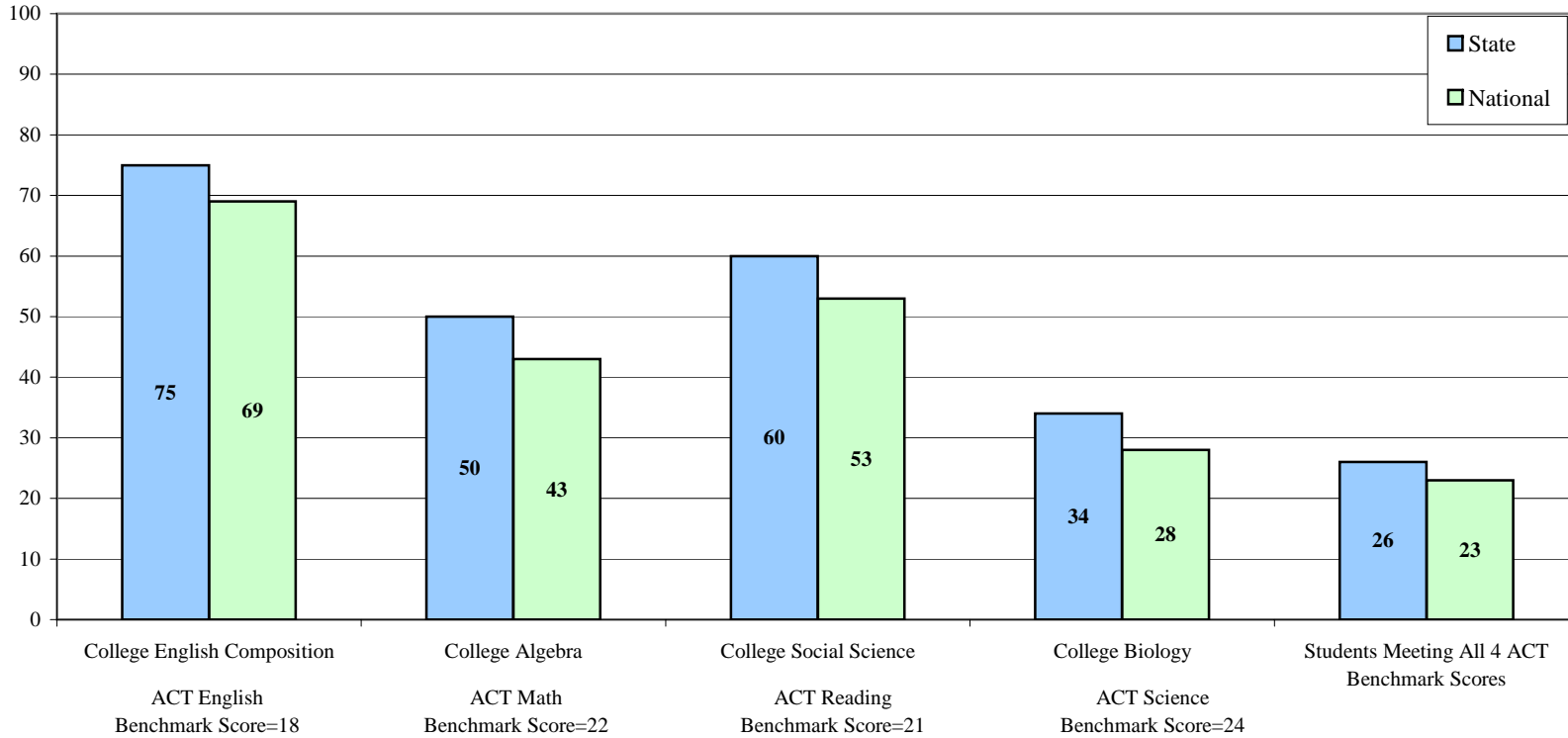
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 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	6,470	1,175,059	72	67	48	40	60	52	32	26	25	20
2004	6,255	1,171,460	73	68	47	40	60	52	33	26	25	21
2005	6,178	1,186,251	74	68	48	41	60	51	33	26	26	21
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

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	6,470	1,175,059	20.7	20.3	21.4	20.6	22.3	21.2	21.7	20.8	21.7	20.8
2004	6,255	1,171,460	20.8	20.4	21.4	20.7	22.4	21.3	21.7	20.9	21.7	20.9
2005	6,178	1,186,251	21.0	20.4	21.5	20.7	22.4	21.3	21.8	20.9	21.8	20.9
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

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	3,294	2,793	51	43	22.3	19.1	23.1	19.5	23.7	20.8	23.1	20.4	23.2	20.1
2004	3,121	2,749	50	44	22.3	19.2	23.2	19.6	23.9	20.9	23.1	20.3	23.2	20.1
2005	3,154	2,582	51	42	22.3	19.4	23.1	19.8	23.7	21.0	23.1	20.4	23.2	20.3
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

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	6,470	100	21.7	6,255	100	21.7	6,178	100	21.8	6,033	100	21.9	6,066	100	21.9
African American/Black	23	0	19.9	16	0	19.2	18	0	18.4	16	0	19.5	18	0	17.3
American Indian/Alaska Native	282	4	17.9	300	5	17.4	312	5	17.1	269	4	17.5	286	5	18.1
Caucasian American/White	5,514	85	21.9	5,259	84	22.0	5,154	83	22.1	4,896	81	22.1	4,812	79	22.1
Hispanic	102	2	19.9	94	2	19.8	92	1	20.4	95	2	20.2	94	2	20.8
Asian American/Pacific Islander	82	1	22.5	71	1	22.5	71	1	20.9	67	1	22.4	66	1	22.3
Other/No Response	467	7	21.5	515	8	21.4	531	9	21.8	690	11	22.2	790	13	22.1

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	5	100	5	100	24	100	11	100	1	100	36
35	46	100	26	100	60	100	29	100	5	100	35
34	67	99	36	99	78	99	17	99	15	100	34
33	68	98	38	99	120	97	45	99	34	100	33
32	37	97	65	98	155	95	32	98	59	99	32
31	90	96	104	97	191	93	65	98	94	98	31
30	96	95	97	95	202	90	83	97	135	97	30
29	144	93	166	94	168	86	92	95	148	94	29
28	239	91	153	91	279	84	176	94	192	92	28
27	198	87	301	89	274	79	224	91	290	89	27
26	245	84	387	84	257	74	322	87	334	84	26
25	392	80	425	77	285	70	447	82	412	78	25
24	332	73	448	70	423	65	510	75	465	72	24
23	315	68	384	63	449	59	523	66	458	64	23
22	468	63	369	57	310	51	637	58	519	56	22
21	528	55	369	50	357	46	572	47	532	48	21
20	541	46	376	44	529	40	557	38	482	39	20
19	418	37	420	38	340	31	441	28	439	31	19
18	314	30	424	31	265	26	416	21	402	24	18
17	266	25	469	24	307	21	279	14	350	17	17
16	340	21	529	17	323	16	156	10	272	12	16
15	263	15	298	8	166	11	121	7	168	7	15
14	215	11	134	3	182	8	93	5	120	4	14
13	119	7	30	1	138	5	71	4	86	2	13
12	106	5	9	1	106	3	54	2	37	1	12
11	64	4	3	1	41	1	43	2	15	1	11
10	64	2	1	1	28	1	35	1	1	1	10
9	43	1	0	1	4	1	10	1	1	1	9
8	31	1	0	1	1	1	3	1	0	1	8
7	8	1	0	1	2	1	2	1	0	1	7
6	3	1	0	1	1	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	1	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	21.2 (5.4)		21.7 (4.8)		22.5 (5.7)		21.8 (4.4)		21.9 (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	114	100	32	100	95	100	194	100	143	100	44	100	40	100	18
17	255	98	95	99	343	98	316	97	240	98	59	99	40	99	17
16	229	94	238	98	386	93	455	92	319	94	126	98	154	99	16
15	242	90	407	94	413	86	531	84	406	88	279	96	374	96	15
14	487	86	446	87	437	80	527	75	591	82	493	92	508	90	14
13	411	78	525	80	440	72	557	67	681	72	805	83	717	82	13
12	553	71	753	71	823	65	659	57	560	61	645	70	765	70	12
11	609	62	949	59	683	52	463	47	570	52	797	60	891	57	11
10	775	52	762	43	547	40	602	39	663	42	987	46	878	42	10
9	629	39	629	31	594	31	510	29	507	31	735	30	732	28	9
8	624	29	562	20	572	22	380	21	567	23	486	18	386	16	8
7	415	19	303	11	294	12	282	14	529	14	256	10	280	10	7
6	269	12	163	6	190	7	333	10	203	5	170	6	115	5	6
5	244	7	114	3	129	4	149	4	60	1	111	3	77	3	5
4	150	3	54	1	77	2	78	2	19	1	21	1	67	2	4
3	51	1	29	1	28	1	17	1	7	1	46	1	21	1	3
2	6	1	5	1	14	1	11	1	1	1	2	1	13	1	2
1	3	1	0	1	1	1	2	1	0	1	4	1	8	1	1
Avg (SD)	10.6 (3.5)		10.9 (2.9)		11.3 (3.3)		11.6 (3.5)		11.4 (3.2)		10.9 (2.7)		11.0 (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)	25	25	27	25	25
Q2 (50th Percentile)	21	21	22	22	22
Q1 (25th Percentile)	17	18	18	19	19

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	6,066	46	23.3	20.6
	African Am./Black	18	33	16.7	17.4
	Am. Indian/Alaska Native	286	30	19.4	17.8
	Caucasian Am./White	4,812	49	23.5	20.8
	Hispanic	94	47	21.7	19.8
	Asian Am./Pacific Islander	66	48	24.2	20.7
	Other/No Response	790	36	23.3	20.7
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	21.2	21.7	22.5	21.8	21.9
	African Am./Black	16.0	18.0	17.3	17.3	17.3
	Am. Indian/Alaska Native	16.8	18.0	18.9	18.3	18.1
	Caucasian Am./White	21.4	21.9	22.7	22.0	22.1
	Hispanic	19.6	21.0	21.0	21.1	20.8
	Asian Am./Pacific Islander	20.7	22.8	22.3	22.7	22.3
	Other/No Response	21.4	21.8	22.7	22.1	22.1
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	186	3	105	2	282	5	102	2
	28 to 32	606	10	585	10	995	16	448	7
	24 to 27	1,167	19	1,561	26	1,239	20	1,503	25
	20 to 23	1,852	31	1,498	25	1,645	27	2,289	38
	16 to 19	1,338	22	1,842	30	1,235	20	1,292	21
	13 to 15	597	10	462	8	486	8	285	5
	01 to 12	320	5	13	0	184	3	147	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	2,569	42	20.5	22.3	22.0	22.2	21.9
	Females	3,150	52	21.7	21.2	22.8	21.4	21.9
	Missing	347	6	21.6	22.0	22.8	22.1	22.3
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	71	54	57	38	29
	Females	78	46	62	30	24
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

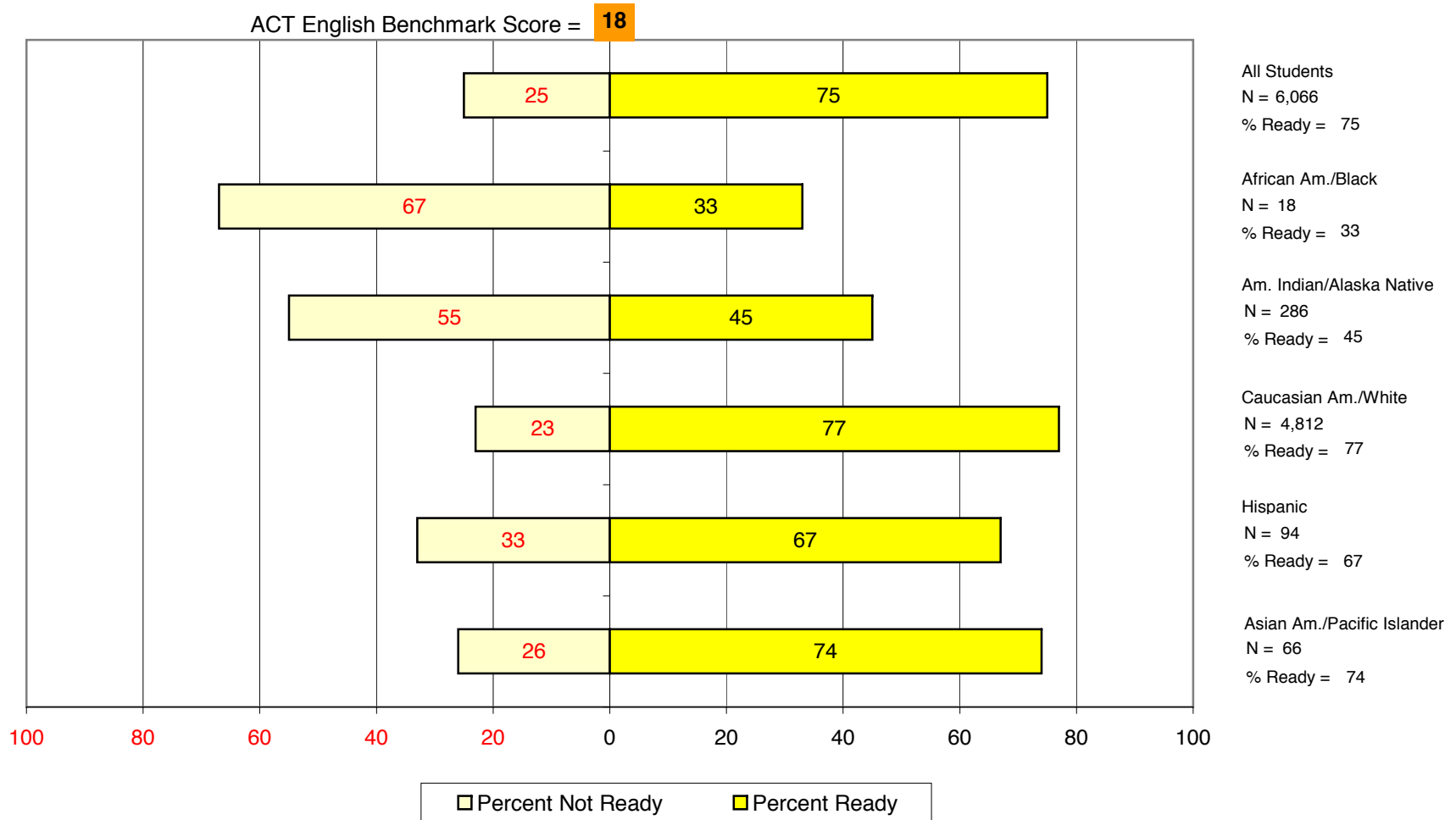


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

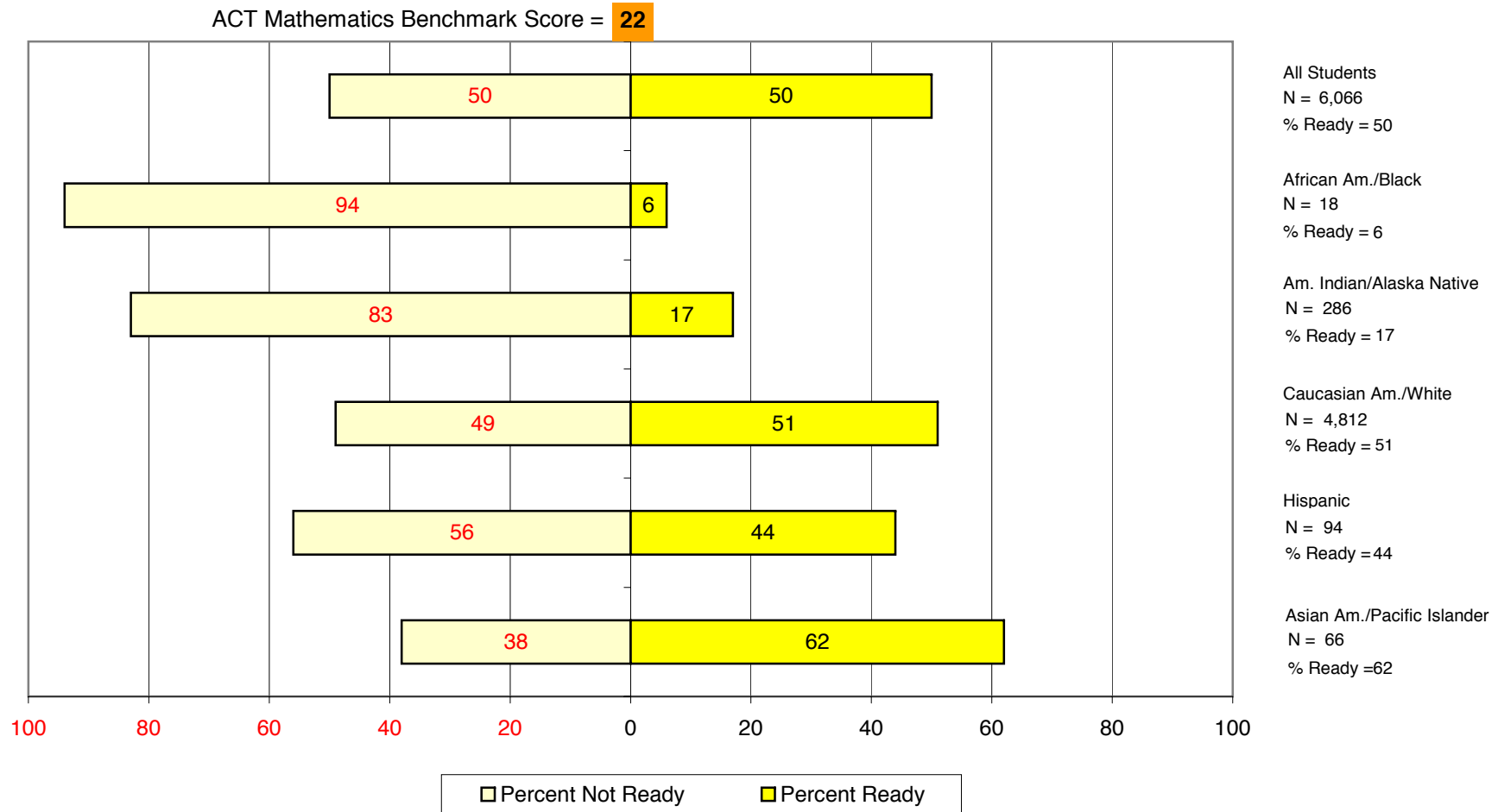


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

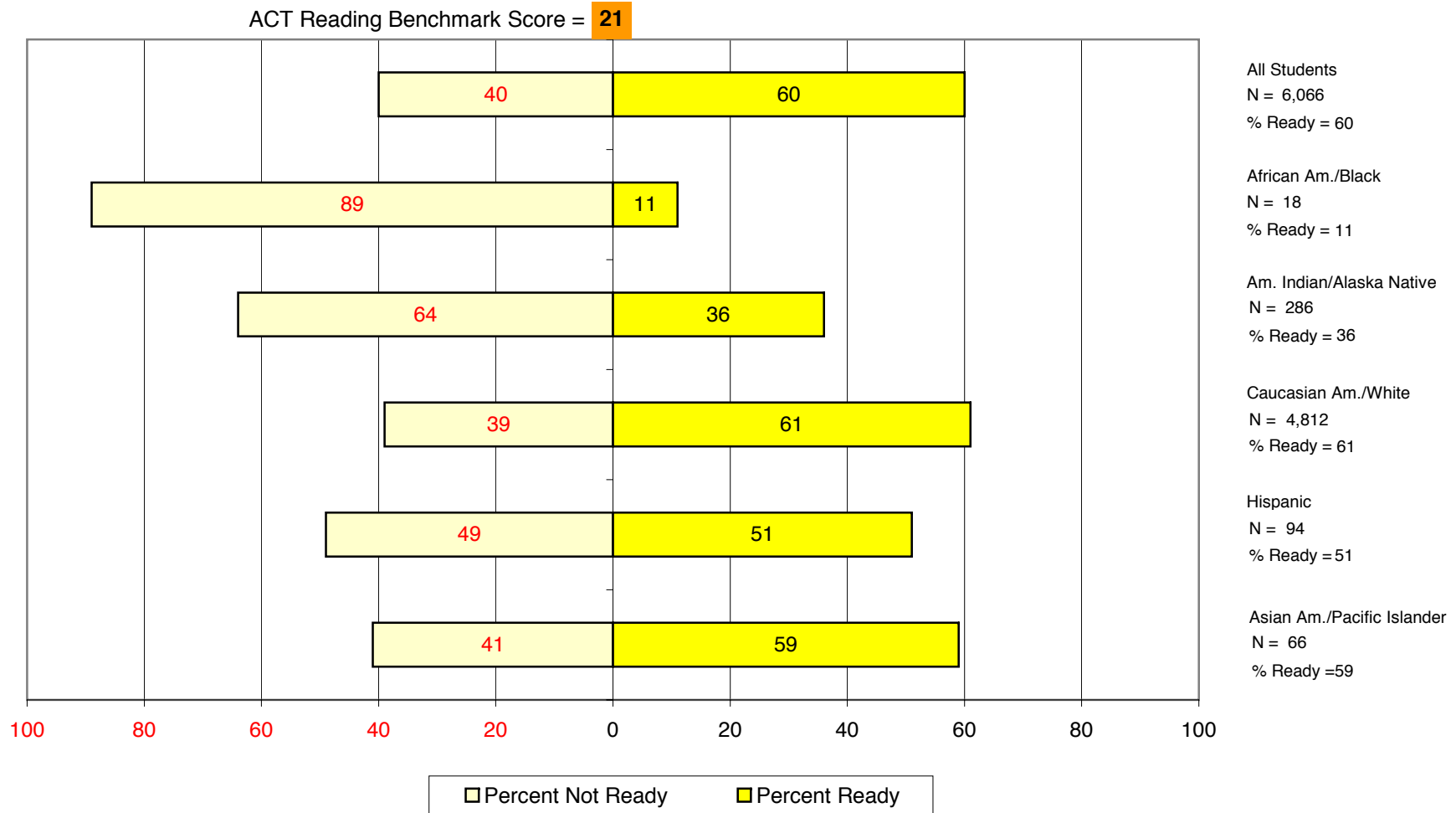


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

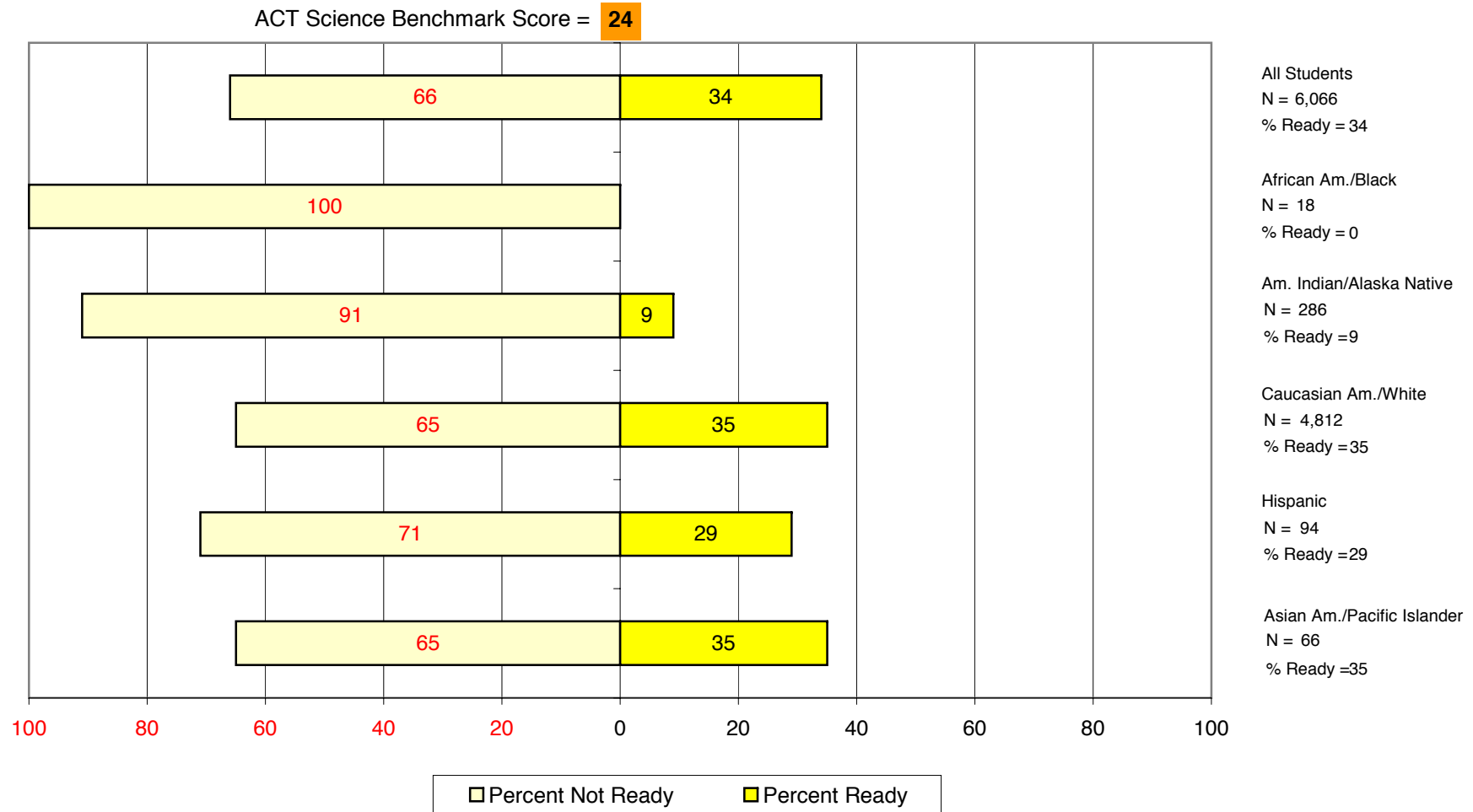


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

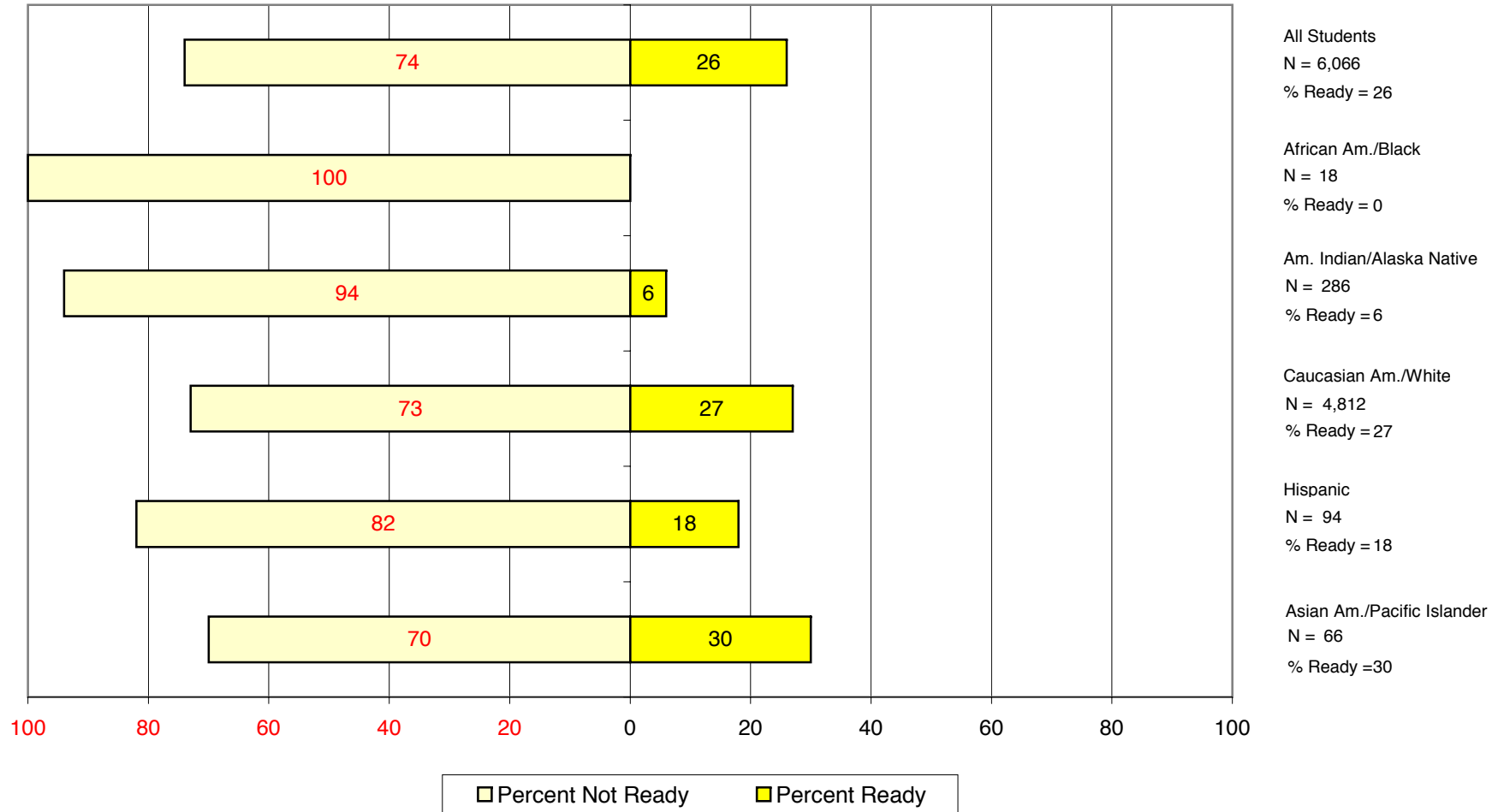


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	836	14	22.8	2.1	309	12	21.5	1.4	496	16	23.7	2.4
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	3,951	65	21.0	0.3	1,719	67	20.5	0.4	2,076	66	21.4	0.1
Less than 4 years of English	519	9	20.7	-	229	9	20.1	-	254	8	21.3	-
No English course/grade information reported	760	13	20.4	-	312	12	19.7	-	324	10	20.5	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	414	7	25.9	7.1	183	7	26.4	7.1	206	7	25.5	7.1
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	431	7	23.3	4.5	156	6	24.1	4.8	253	8	22.8	4.4
Alg 1, Alg 2, Geom, & Trig	504	8	21.5	2.7	210	8	22.4	3.1	268	9	20.8	2.4
Alg 1, Alg 2, Geom, & Other Adv Math	768	13	22.0	3.2	290	11	22.5	3.2	448	14	21.7	3.3
Other comb of 4 or more years of Math	961	16	25.1	6.3	450	18	25.6	6.3	481	15	24.6	6.2
Alg 1, Alg 2, & Geom (Min. Core)	1,019	17	19.0	0.2	417	16	19.4	0.1	566	18	18.7	0.3
Other comb of 3 or 3.5 years of Math	280	5	22.4	3.6	140	5	23.1	3.8	130	4	21.5	3.1
Less than 3 years of Math	886	15	18.8	-	381	15	19.3	-	466	15	18.4	-
No Math course/grade information reported	803	13	20.7	-	342	13	20.8	-	332	11	20.1	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	523	9	22.9	0.8	255	10	22.2	0.7	252	8	23.6	1.1
Other comb of 4 or more years Social Science	1,049	17	23.3	1.2	395	15	22.7	1.2	607	19	23.6	1.1
US Hist, World Hist, & Am Gov (Min. Core)	1,380	23	22.3	0.2	629	24	22.0	0.5	706	22	22.6	0.1
Other comb of 3 or 3.5 years of Social Science	1,330	22	22.6	0.5	499	19	22.3	0.8	776	25	22.8	0.3
Less than 3 years of Social Science	996	16	22.1	-	456	18	21.5	-	485	15	22.5	-
No Soc Sci course/grade information reported	788	13	21.7	-	335	13	21.3	-	324	10	21.5	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,453	24	23.8	3.7	694	27	24.2	4.1	701	22	23.4	3.4
Bio, Chem, Phys	204	3	25.5	5.4	110	4	26.4	6.3	84	3	24.5	4.5
Gen Sci ² , Bio, Chem (Min. Core)	1,618	27	21.7	1.6	548	21	22.3	2.2	1,011	32	21.4	1.4
Other comb of 3 years of Natural Science	259	4	22.3	2.2	158	6	22.7	2.6	91	3	21.6	1.6
Less than 3 years of Natural Science	1,702	28	20.1	-	707	28	20.1	-	923	29	20.0	-
No Nat Sci course/grade information reported	830	14	21.1	-	352	14	21.2	-	340	11	20.5	-

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	836	14	22.8	83	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	3,951	65	21.0	75	766,001	59	20.5	68
Less than 4 years of English	519	9	20.7	72	141,777	11	19.7	64
No English course/grade information reported	760	13	20.4	68	201,619	16	20.7	69
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	414	7	25.9	84	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	431	7	23.3	67	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	504	8	21.5	50	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	768	13	22.0	55	163,562	13	20.4	38
Other comb of 4 or more years of Math	961	16	25.1	77	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	1,019	17	19.0	24	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	280	5	22.4	59	57,945	4	20.9	43
Less than 3 years of Math	886	15	18.8	25	145,617	11	18.3	21
No Math course/grade information reported	803	13	20.7	41	211,787	16	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	523	9	22.9	62	31,985	2	22.7	61
Other comb of 4 or more years Social Science	1,049	17	23.3	66	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	1,380	23	22.3	59	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	1,330	22	22.6	62	333,689	26	21.4	52
Less than 3 years of Social Science	996	16	22.1	56	201,605	16	20.6	47
No Soc Sci course/grade information reported	788	13	21.7	54	212,012	16	21.5	53
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	1,453	24	23.8	53	333,648	26	22.4	40
Bio, Chem, Phys	204	3	25.5	69	115,297	9	23.4	48
Gen Sci ¹ , Bio, Chem (Min. Core)	1,618	27	21.7	30	353,348	27	20.2	20
Other comb of 3 years of Natural Science	259	4	22.3	36	32,593	3	20.4	24
Less than 3 years of Natural Science	1,702	28	20.1	18	247,312	19	19.1	15
No Nat Sci course/grade information reported	830	14	21.1	30	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	122	2	20.5	29	7	17.7	86	2	21.3
Architecture & Environmental Design	116	2	22.2	3	1	19.7	109	2	22.5
Business & Management	343	6	21.4	19	4	17.9	310	7	21.8
Business & Office	40	1	20.2	5	1	19.8	35	1	20.2
Marketing & Distribution	18	0	22.5	0	0	.	18	0	22.5
Communications & Comm. Technologies	88	1	22.7	4	1	18.5	84	2	22.9
Community & Personal Services	88	1	20.1	16	4	17.9	64	1	21.0
Computer & Information Sciences	103	2	23.0	12	3	20.8	86	2	23.5
Cross-Disciplinary Studies	5	0	25.2	0	0	.	5	0	25.2
Education	200	3	21.6	1	0	17.0	190	4	21.6
Teacher Education	158	3	20.5	3	1	13.0	148	3	20.6
Engineering	239	4	24.2	7	2	18.4	222	5	24.4
Engineering-Related Technologies	144	2	23.3	6	1	16.3	130	3	23.8
Foreign Languages	29	0	24.3	2	0	20.0	26	1	24.6
Health Sciences & Allied Health Fields	868	14	21.8	72	16	19.3	761	17	22.2
Human, Family & Consumer Science	44	1	20.7	6	1	19.7	35	1	21.1
Letters	48	1	24.6	0	0	.	46	1	24.6
Mathematics	18	0	27.3	0	0	.	18	0	27.3
Philosophy, Religion & Theology	28	0	22.3	0	0	.	26	1	22.0
Sciences (Biological & Physical)	250	4	24.3	3	1	21.0	239	5	24.4
Social Sciences	271	4	22.9	3	1	14.0	258	6	23.1
Trade & Industrial	131	2	18.7	84	19	18.0	41	1	20.0
Visual & Performing Arts	318	5	22.0	36	8	19.8	263	6	22.5
Undecided	891	15	21.5	77	18	17.9	744	17	22.0
No Response	1,506	25	21.6	49	11	18.8	548	12	22.2

¹2-Year and 4-Year N's do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N for *All Students*.

²Percent of students tested.

Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African-Am./ Black		Am. Indian/ Alaska Native		Caucasian-Am./ White		Hispanic		Asian-Am./ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	101	17.9	2	15.0	5	15.6	88	18.2	1	11.0	0	.	5	16.2
2-yr College Degree	336	18.7	0	.	20	16.3	264	19.0	5	16.4	6	18.8	41	18.4
Bachelors Degree	2,420	21.4	7	16.3	85	18.3	2,033	21.5	38	20.7	14	21.8	243	21.4
Graduate Study	791	23.9	1	20.0	26	20.4	674	24.1	12	23.3	12	22.4	66	23.4
Prof. Level Degree	1,281	23.5	4	18.5	48	19.5	1,031	23.8	23	21.7	20	24.4	155	23.3
Other	151	19.4	1	19.0	7	17.1	126	19.6	2	16.5	1	27.0	14	18.4
No Response	986	21.5	3	18.0	95	17.2	596	21.6	13	20.7	13	20.8	266	22.7

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
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	2,681	1,146	1,535	0	4	22	35	27	11	1
UNIVERSITY OF MONTANA	Montana	2,532	1,076	1,456	0	5	24	36	24	9	1
MONTANA STATE UNIVERSITY-BILLINGS	Montana	1,165	410	755	1	8	30	36	20	5	0
CARROLL COLLEGE	Montana	705	192	513	0	3	21	38	27	10	1
MONTANA TECH OF THE UNIV OF MONTANA	Montana	624	177	447	1	8	26	33	23	9	0
UNIVERSITY OF MONTANA WESTERN	Montana	404	105	299	1	10	34	35	17	3	0
ROCKY MOUNTAIN COLLEGE	Montana	364	48	316	1	7	26	34	23	9	0
MONTANA STATE UNIVERSITY-NORTHERN	Montana	348	121	227	1	13	37	34	14	2	0
GONZAGA UNIVERSITY	Washington	233	48	185	0	1	7	27	41	22	2
UNIVERSITY OF GREAT FALLS	Montana	211	36	175	0	10	37	35	12	4	0
UNIVERSITY OF WASHINGTON	Washington	207	35	172	0	1	9	26	42	20	2
MONTANA STATE UNIV C TECH-GREAT FALLS	Montana	187	46	141	1	6	41	35	14	3	0
WASHINGTON STATE UNIVERSITY	Washington	158	23	135	1	1	9	26	40	22	1
MILES COMMUNITY COLLEGE	Montana	155	48	107	3	14	35	32	13	3	0
DICKINSON STATE UNIVERSITY	North Dakota	151	35	116	1	7	36	34	18	5	0
NORTHWEST COLLEGE	Wyoming	139	47	92	1	7	37	35	16	3	0
UNIVERSITY OF MONTANA-HELENA C OF TECH	Montana	131	21	110	2	11	39	37	8	3	0
UNIVERSITY OF OREGON	Oregon	127	22	105	0	1	6	26	50	16	2
DAWSON COMMUNITY COLLEGE	Montana	118	39	79	2	19	36	28	12	4	0
FLATHEAD VALLEY COMMUNITY COLLEGE	Montana	112	35	77	1	8	35	37	16	4	0
OREGON STATE UNIVERSITY	Oregon	108	10	98	0	3	12	25	38	22	0
UNIVERSITY OF WYOMING	Wyoming	99	20	79	0	6	18	30	38	6	1
UNIVERSITY OF MARY	North Dakota	98	27	71	1	3	31	34	22	9	0
UNIVERSITY OF NORTH DAKOTA	North Dakota	94	21	73	0	2	20	40	26	12	0
SEATTLE UNIVERSITY	Washington	92	16	76	0	1	16	26	39	15	2
EASTERN WASHINGTON UNIVERSITY	Washington	90	5	85	0	3	18	52	19	7	1
COLORADO STATE UNIVERSITY	Colorado	86	17	69	0	1	16	34	29	19	1
CONCORDIA COLLEGE-MOORHEAD	Minnesota	81	28	53	0	0	23	32	35	9	1
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	80	31	49	0	6	11	36	28	16	3
BOISE STATE UNIVERSITY	Idaho	79	14	65	0	5	20	43	23	8	1
All Other Institutions		4,880	1,150	3,730	1	5	18	29	28	17	2
Total		16,539	5,049	11,490	1	6	23	33	26	11	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	3,223	532,943	22.0	22.3	7.3	7.6	21.4	21.8
African Am./Black	9	50,340	16.8	17.2	6.7	6.7	16.9	17.3
Am. Indian/Alaska Native	127	3,462	18.0	19.8	6.3	7.0	17.4	19.4
Caucasian Am./White	2,573	308,578	22.3	23.4	7.4	7.6	21.6	22.6
Hispanic	47	42,588	19.3	18.8	7.0	7.3	19.0	19.0
Asian Am./Pacific Islander	31	25,616	22.1	23.2	7.6	8.0	21.5	22.8
Other/No Response	436	102,359	22.4	23.2	7.4	7.8	21.7	22.7
Males	1,272	204,427	21.4	22.0	7.0	7.3	20.6	21.3
Females	1,756	285,556	22.5	22.5	7.6	7.7	21.9	22.1
Missing	195	42,960	22.3	23.0	7.5	7.8	21.7	22.6

