

ACT High School Profile Report

The Graduating Class of 2008
Alaska



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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

26% 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. 2,047 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 10% of the cohort took less than three years of math courses. Of these students, 17% were college ready. 14% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 26% of these students were college ready. In comparison, 72% 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 18% of the cohort took less than three years of natural science courses. 26% of these students were college ready. In comparison, 43% 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 46% 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.

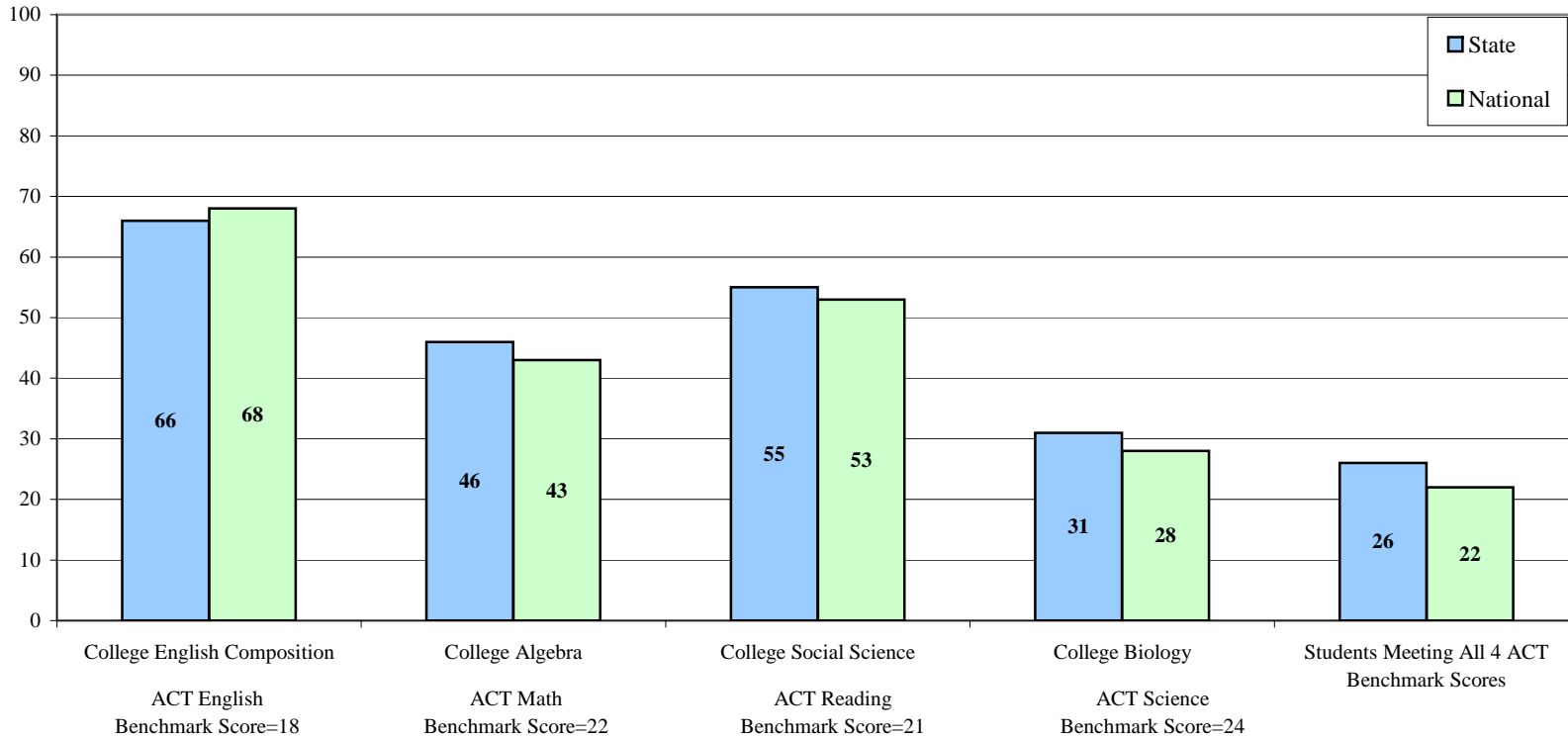
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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	2,167	1,171,460	68	68	47	40	58	52	31	26	25	21
2005	1,977	1,186,251	67	68	47	41	57	51	32	26	27	21
2006	1,987	1,206,455	64	69	46	42	55	53	30	27	25	21
2007	2,106	1,300,599	65	69	47	43	55	53	31	28	26	23
2008	2,047	1,421,941	66	68	46	43	55	53	31	28	26	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	2,167	1,171,460	20.4	20.4	21.4	20.7	22.1	21.3	21.1	20.9	21.3	20.9
2005	1,977	1,186,251	20.5	20.4	21.3	20.7	22.0	21.3	21.1	20.9	21.3	20.9
2006	1,987	1,206,455	20.0	20.6	21.2	20.8	21.7	21.4	20.8	20.9	21.1	21.1
2007	2,106	1,300,599	20.1	20.7	21.3	21.0	21.8	21.5	21.0	21.0	21.2	21.2
2008	2,047	1,421,941	20.3	20.6	21.2	21.0	21.8	21.4	20.8	20.8	21.2	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	827	595	38	27	23.0	20.3	24.0	20.7	24.6	22.1	23.2	20.9	23.8	21.1
2005	678	590	34	30	23.8	20.6	24.1	20.9	25.1	22.3	23.5	21.2	24.2	21.4
2006	656	627	33	32	23.4	20.8	24.1	21.3	25.0	22.6	23.5	21.3	24.1	21.6
2007	742	660	35	31	23.5	20.2	24.1	20.8	24.9	22.3	23.5	21.0	24.1	21.2
2008	940	548	46	27	23.3	20.3	23.8	20.4	24.6	22.2	23.1	20.8	23.8	21.1

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

	2004			2005			2006			2007			2008		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	2,167	100	21.3	1,977	100	21.3	1,987	100	21.1	2,106	100	21.2	2,047	100	21.2
African American/Black	58	3	18.2	33	2	17.7	59	3	17.8	88	4	18.2	57	3	18.7
American Indian/Alaska Native	275	13	17.2	222	11	17.6	244	12	17.2	217	10	17.3	266	13	17.1
Caucasian American/White	1,192	55	23.0	1,084	55	23.2	930	47	23.3	973	46	23.4	1,033	50	23.3
Hispanic	44	2	21.2	39	2	19.6	44	2	21.1	39	2	20.8	54	3	19.9
Asian American/Pacific Islander	111	5	21.0	87	4	22.2	99	5	21.8	108	5	21.0	119	6	21.0
Other/No Response	487	22	20.1	512	26	19.2	611	31	19.4	681	32	19.7	518	25	19.4

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	3	100	6	100	26	100	7	100	0	100	36
35	24	100	15	100	40	99	17	100	9	100	35
34	31	99	17	99	41	97	13	99	18	100	34
33	23	97	25	98	44	95	22	98	19	99	33
32	25	96	23	97	64	93	21	97	27	98	32
31	37	95	26	96	52	89	18	96	34	96	31
30	51	93	42	95	80	87	34	95	35	95	30
29	46	91	57	92	58	83	33	94	69	93	29
28	64	88	75	90	83	80	53	92	79	90	28
27	58	85	96	86	73	76	52	89	105	86	27
26	84	82	131	81	62	73	96	87	90	81	26
25	104	78	125	75	87	70	139	82	110	76	25
24	94	73	105	69	94	65	127	75	105	71	24
23	107	69	101	64	124	61	120	69	138	66	23
22	112	63	88	59	94	55	167	63	122	59	22
21	149	58	100	54	94	50	124	55	136	53	21
20	143	51	72	50	130	45	165	49	139	46	20
19	95	44	115	46	113	39	175	41	112	40	19
18	104	39	126	40	73	34	137	32	105	34	18
17	85	34	162	34	88	30	96	26	130	29	17
16	72	30	205	26	85	26	99	21	83	23	16
15	103	26	189	16	84	22	80	16	112	19	15
14	86	21	99	7	105	17	60	12	94	13	14
13	70	17	29	2	61	12	38	9	70	9	13
12	51	14	12	1	86	9	52	8	61	5	12
11	61	11	3	1	48	5	55	5	28	2	11
10	58	8	1	1	25	3	27	2	6	1	10
9	33	5	1	1	16	2	8	1	9	1	9
8	49	4	1	1	9	1	5	1	0	1	8
7	11	1	0	1	5	1	2	1	2	1	7
6	7	1	0	1	0	1	2	1	0	1	6
5	5	1	0	1	3	1	1	1	0	1	5
4	1	1	0	1	0	1	1	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	1	1	0	1	0	1	1	1	0	1	1
Avg (SD)	20.3 (6.6)		21.2 (5.5)		21.8 (6.9)		20.8 (5.5)		21.2 (5.6)		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	81	100	17	100	97	100	100	100	104	100	25	100	20	100	18
17	72	96	48	99	97	95	140	95	98	95	29	99	16	99	17
16	103	93	100	97	124	91	183	88	115	90	45	97	84	98	16
15	80	87	134	92	122	84	144	79	126	85	84	95	83	94	15
14	109	84	113	85	118	79	158	72	147	78	173	91	237	90	14
13	148	78	171	80	141	73	97	65	175	71	174	83	170	79	13
12	148	71	262	72	169	66	166	60	144	63	175	74	234	70	12
11	171	64	180	59	177	58	189	52	172	56	261	66	203	59	11
10	213	55	239	50	182	49	160	43	152	47	309	53	280	49	10
9	170	45	176	38	188	40	127	35	149	40	290	38	250	35	9
8	163	37	164	30	173	31	125	28	240	32	202	24	190	23	8
7	145	29	128	22	174	22	99	22	239	21	62	14	112	14	7
6	149	22	116	15	99	14	173	18	128	9	98	11	48	8	6
5	119	14	95	10	37	9	88	9	47	3	75	6	65	6	5
4	93	9	66	5	65	7	66	5	9	1	1	2	8	3	4
3	51	4	24	2	41	4	25	2	1	1	32	2	37	2	3
2	28	2	13	1	23	2	5	1	1	1	0	1	1	1	2
1	4	1	1	1	20	1	2	1	0	1	12	1	9	1	1
Avg (SD)	10.1 (4.1)		10.4 (3.5)		10.8 (4.1)		11.3 (4.1)		11.1 (3.7)		10.5 (3.1)		10.7 (3.1)		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	26	27	24	25
Q2 (50th Percentile)	20	21	21	21	21
Q1 (25th Percentile)	15	16	16	17	17

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	2,047	46	23.8	21.1
	African Am./Black	57	49	19.5	17.8
	Am. Indian/Alaska Native	266	23	21.7	19.2
	Caucasian Am./White	1,033	60	24.3	21.6
	Hispanic	54	48	20.8	18.7
	Asian Am./Pacific Islander	119	55	22.4	19.1
	Other/No Response	518	27	24.5	22.6
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	20.3	21.2	21.8	20.8	21.2
	African Am./Black	17.7	18.7	19.6	18.3	18.7
	Am. Indian/Alaska Native	15.6	17.7	17.1	17.3	17.1
	Caucasian Am./White	22.8	23.0	24.3	22.7	23.3
	Hispanic	18.4	19.9	20.7	20.1	19.9
	Asian Am./Pacific Islander	19.7	21.8	21.5	20.7	21.0
	Other/No Response	18.3	19.8	19.7	19.4	19.4
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	81	4	63	3	151	7	59	3
	28 to 32	223	11	223	11	337	16	159	8
	24 to 27	340	17	457	22	316	15	414	20
	20 to 23	511	25	361	18	442	22	576	28
	16 to 19	356	17	608	30	359	18	507	25
	13 to 15	259	13	317	15	250	12	178	9
	01 to 12	277	14	18	1	192	9	154	8
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	841	41	19.7	21.9	21.5	21.4	21.3
	Females	1,160	57	20.6	20.6	22.0	20.3	21.0
	Missing	46	2	22.9	23.3	24.0	22.9	23.4
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	63	51	54	37	31
	Females	68	41	55	26	22
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	940	85	23.3	67	23.8	74	24.6	44	23.1	39	23.8
	Non-Core	548	70	20.3	38	20.4	55	22.2	29	20.8	23	21.1
	Missing	559	31	15.3	17	17.6	22	16.7	10	17.1	7	16.8
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	1,370	80	22.3	1,304	62	23.3	1,336	68	23.8	1,135	43	22.8
	Non-Core	145	74	20.6	199	17	18.2	177	58	22.8	364	26	20.3
	Missing	532	29	15.0	544	16	17.4	534	20	16.5	548	10	17.1
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

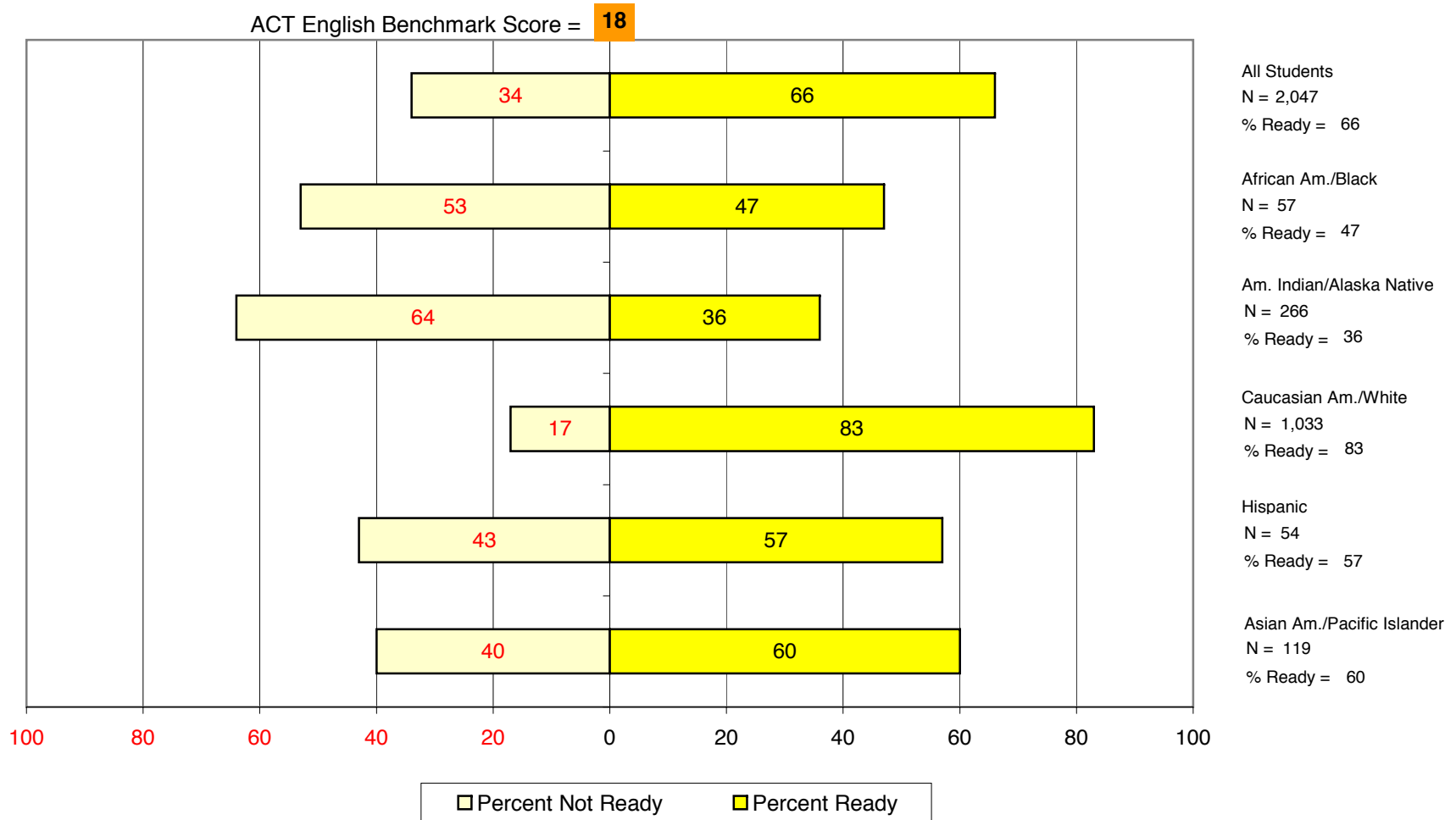


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

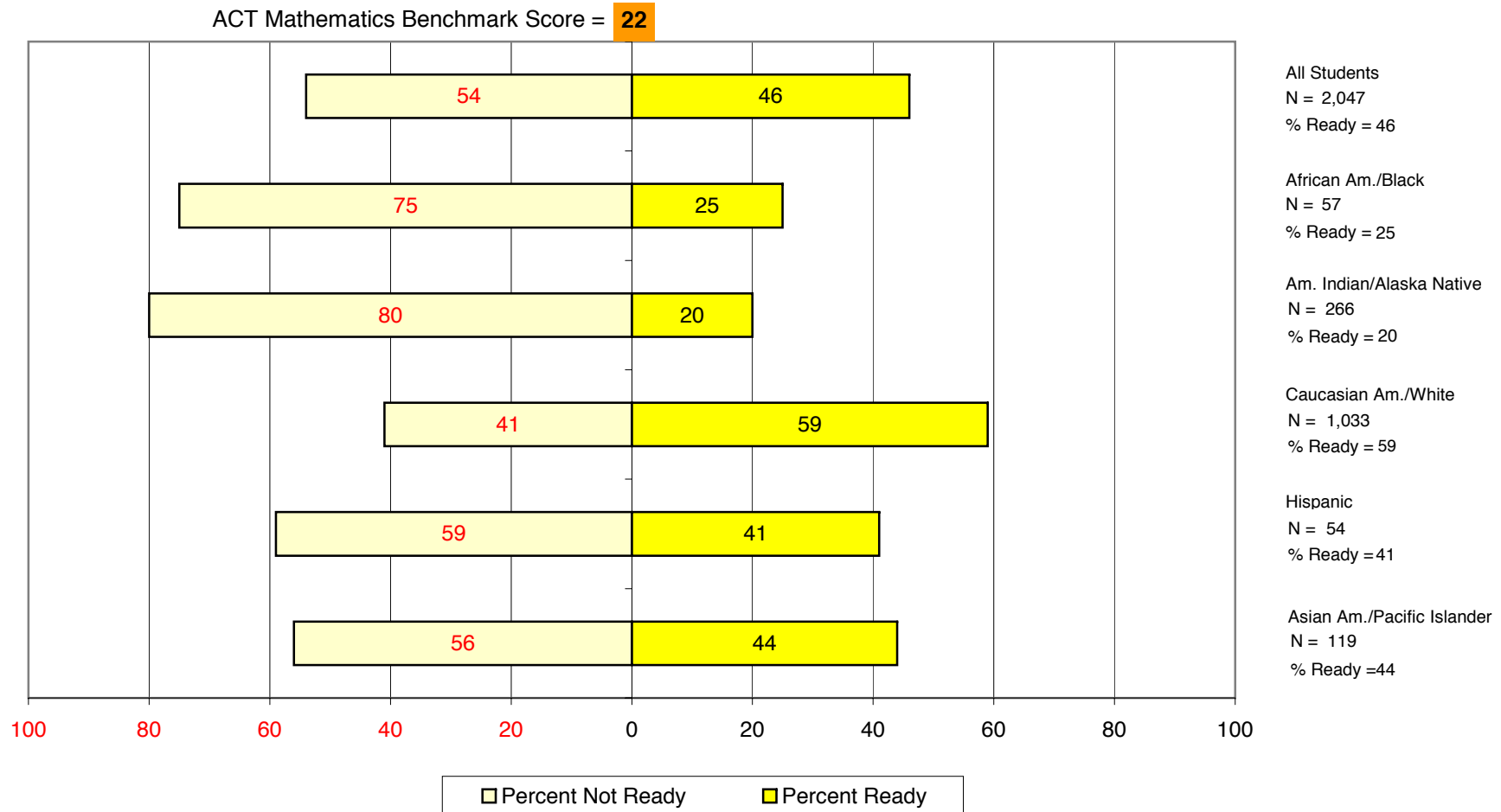


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

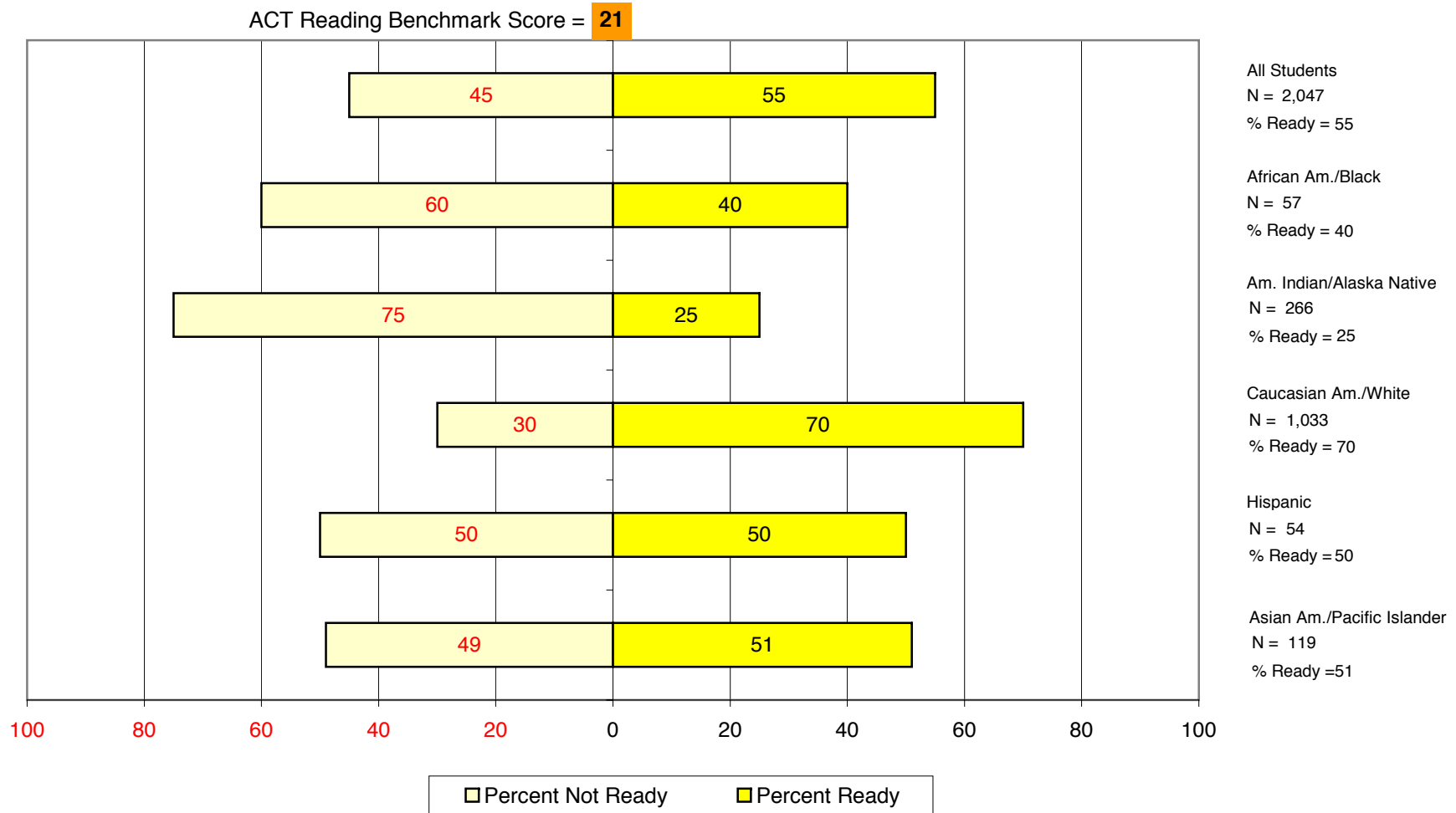


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

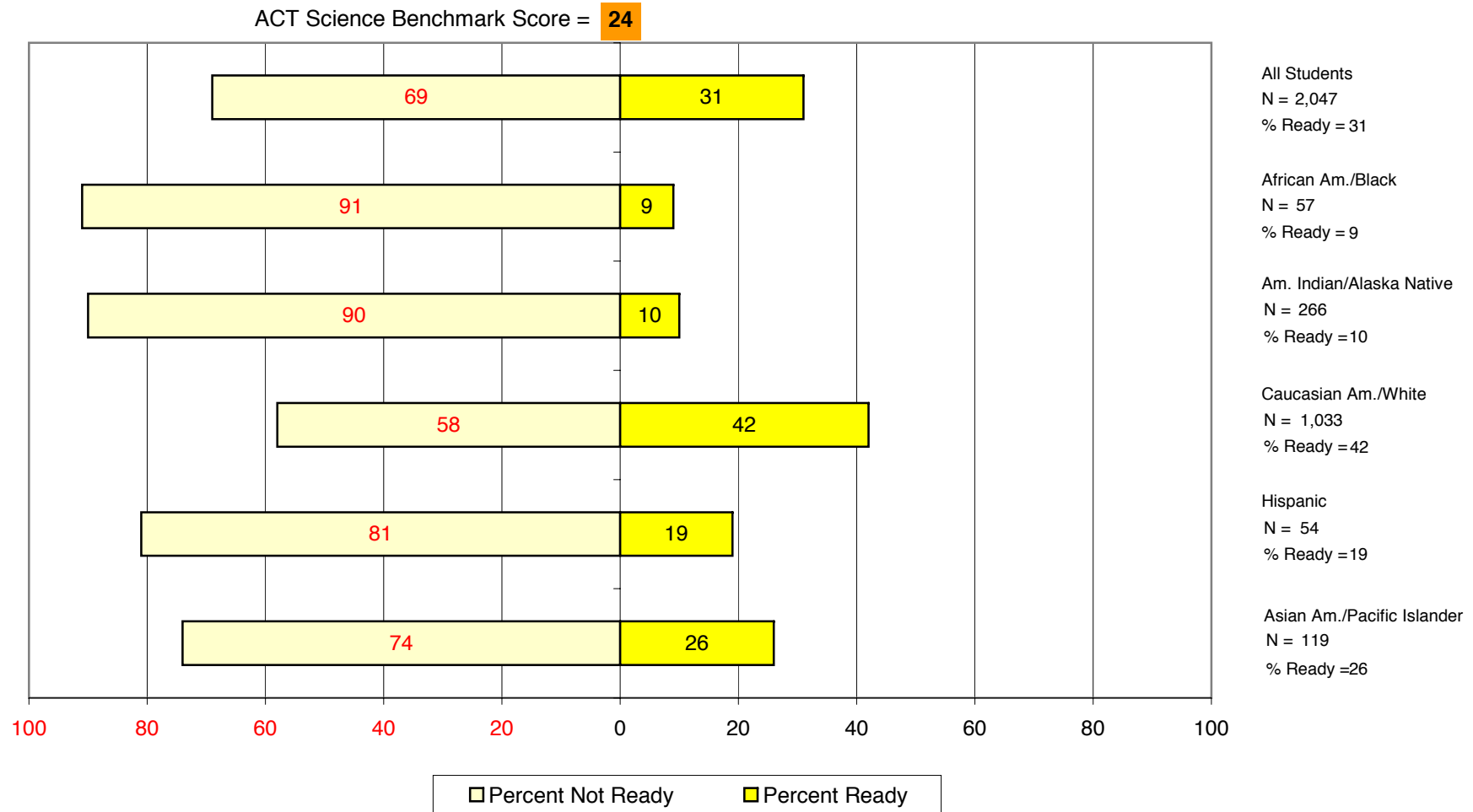


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

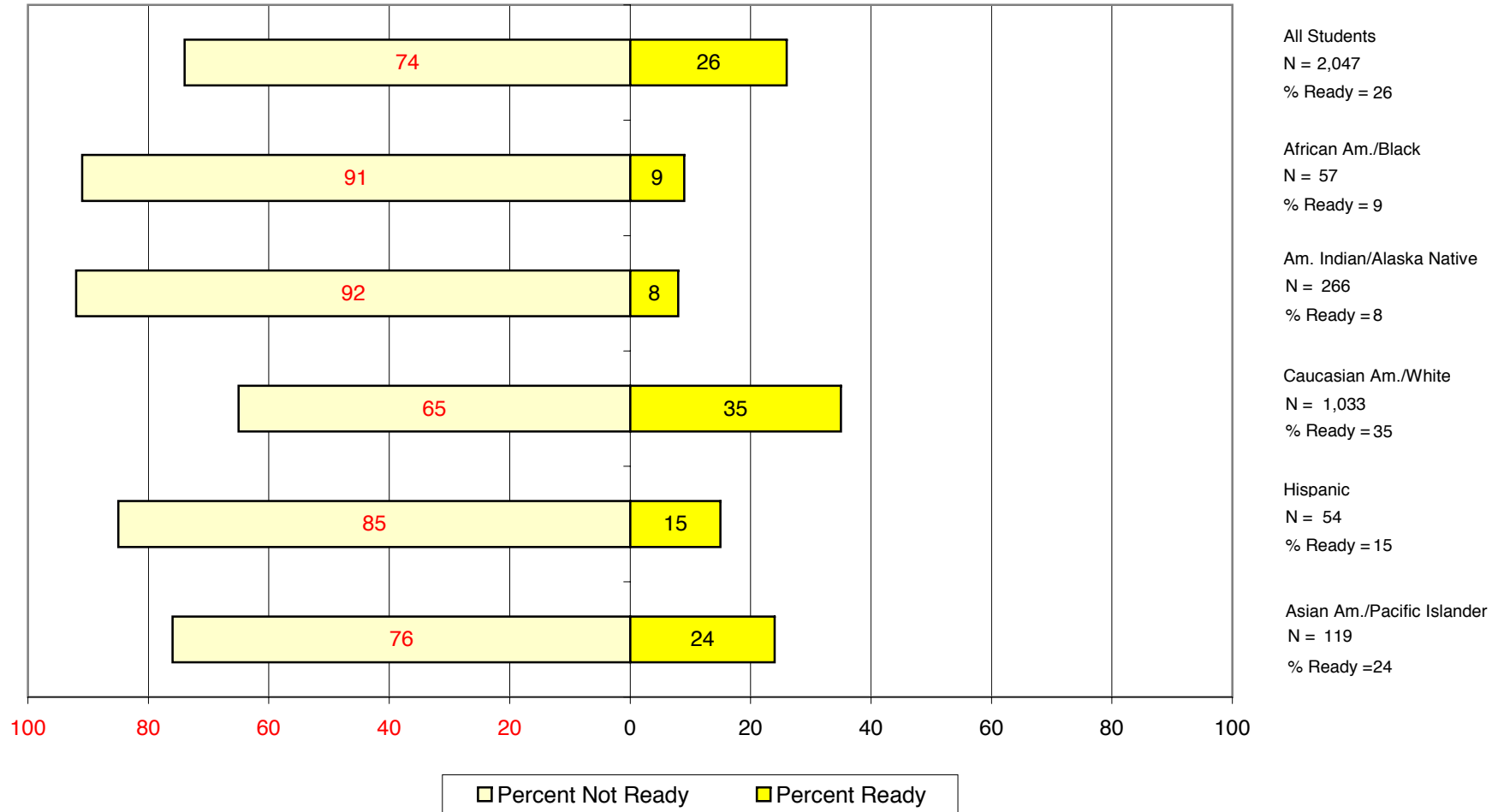


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	411	20	22.4	1.8	149	18	21.5	1.0	253	22	23.0	2.3
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	959	47	22.2	1.6	405	48	22.0	1.5	535	46	22.3	1.6
Less than 4 years of English	146	7	20.6	-	61	7	20.5	-	80	7	20.7	-
No English course/grade information reported	531	26	15.0	-	226	27	14.0	-	292	25	15.4	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	170	8	27.0	8.8	67	8	27.7	8.4	99	9	26.6	9.1
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	124	6	23.9	5.7	40	5	24.7	5.4	78	7	23.6	6.1
Alg 1, Alg 2, Geom, & Trig	127	6	22.5	4.3	47	6	23.1	3.8	80	7	22.2	4.7
Alg 1, Alg 2, Geom, & Other Adv Math	136	7	22.4	4.2	54	6	23.2	3.9	78	7	21.8	4.3
Other comb of 4 or more years of Math	374	18	25.4	7.2	184	22	26.4	7.1	181	16	24.4	6.9
Alg 1, Alg 2, & Geom (Min. Core)	283	14	19.3	1.1	99	12	20.1	0.8	178	15	18.8	1.3
Other comb of 3 or 3.5 years of Math	90	4	21.1	2.9	39	5	21.5	2.2	51	4	20.7	3.2
Less than 3 years of Math	206	10	18.2	-	85	10	19.3	-	119	10	17.5	-
No Math course/grade information reported	537	26	17.4	-	226	27	17.5	-	296	26	17.1	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	86	4	23.6	0.8	51	6	22.7	0.3	35	3	24.8	1.8
Other comb of 4 or more years Social Science	683	33	23.8	1.0	275	33	23.8	1.4	394	34	23.7	0.7
US Hist, World Hist, & Am Gov (Min. Core)	114	6	23.1	0.3	47	6	22.7	0.3	66	6	23.4	0.4
Other comb of 3 or 3.5 years of Social Science	453	22	24.2	1.4	174	21	24.4	2.0	269	23	24.1	1.1
Less than 3 years of Social Science	177	9	22.8	-	68	8	22.4	-	103	9	23.0	-
No Soc Sci course/grade information reported	534	26	16.5	-	226	27	15.8	-	293	25	16.7	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	425	21	23.6	3.2	205	24	24.5	3.9	213	18	22.6	2.4
Bio, Chem, Phys	169	8	25.7	5.3	83	10	26.5	5.9	81	7	25.0	4.8
Gen Sci ² , Bio, Chem (Min. Core)	481	23	21.3	0.9	145	17	21.7	1.1	322	28	21.1	0.9
Other comb of 3 years of Natural Science	60	3	21.2	0.8	30	4	23.9	3.3	30	3	18.4	-1.8
Less than 3 years of Natural Science	373	18	20.4	-	150	18	20.6	-	218	19	20.2	-
No Nat Sci course/grade information reported	539	26	17.0	-	228	27	17.0	-	296	26	16.9	-

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	411	20	22.4	81	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	959	47	22.2	79	949,721	67	20.5	68
Less than 4 years of English	146	7	20.6	74	112,496	8	18.8	56
No English course/grade information reported	531	26	15.0	29	93,330	7	20.2	64
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	170	8	27.0	92	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	124	6	23.9	72	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	127	6	22.5	62	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	136	7	22.4	60	204,909	14	20.4	38
Other comb of 4 or more years of Math	374	18	25.4	78	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	283	14	19.3	26	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	90	4	21.1	43	70,951	5	20.8	41
Less than 3 years of Math	206	10	18.2	17	131,252	9	17.4	14
No Math course/grade information reported	537	26	17.4	16	98,554	7	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	86	4	23.6	64	42,546	3	22.7	61
Other comb of 4 or more years Social Science	683	33	23.8	68	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	114	6	23.1	57	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	453	22	24.2	70	404,731	28	21.3	52
Less than 3 years of Social Science	177	9	22.8	58	185,561	13	20.4	45
No Soc Sci course/grade information reported	534	26	16.5	20	98,548	7	21.1	50
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	425	21	23.6	50	453,654	32	22.2	38
Bio, Chem, Phys	169	8	25.7	67	134,033	9	23.2	47
Gen Sci ¹ , Bio, Chem (Min. Core)	481	23	21.3	29	435,183	31	20.1	20
Other comb of 3 years of Natural Science	60	3	21.2	28	40,179	3	20.1	22
Less than 3 years of Natural Science	373	18	20.4	26	259,142	18	18.7	13
No Nat Sci course/grade information reported	539	26	17.0	10	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	12	1	18.7	0	0	.	10	1	20.1
Architecture & Environmental Design	36	2	23.0	2	2	17.5	29	2	23.9
Business & Management	108	5	20.8	8	7	17.5	95	6	21.2
Business & Office	18	1	18.2	3	3	15.3	15	1	18.8
Marketing & Distribution	14	1	19.1	1	1	13.0	13	1	19.6
Communications & Comm. Technologies	38	2	21.5	2	2	12.5	36	2	22.0
Community & Personal Services	33	2	18.9	4	4	16.3	27	2	19.3
Computer & Information Sciences	29	1	22.4	3	3	21.0	25	2	22.8
Cross-Disciplinary Studies	6	0	20.2	0	0	.	6	0	20.2
Education	65	3	19.7	2	2	14.0	62	4	20.0
Teacher Education	47	2	19.7	2	2	17.0	43	3	19.9
Engineering	134	7	23.9	7	6	14.4	118	8	24.7
Engineering-Related Technologies	63	3	22.3	4	4	16.0	54	4	22.8
Foreign Languages	21	1	22.3	0	0	.	19	1	22.6
Health Sciences & Allied Health Fields	256	13	20.9	20	18	16.4	226	15	21.3
Human, Family & Consumer Science	15	1	20.1	3	3	20.3	11	1	20.3
Letters	16	1	24.4	0	0	.	15	1	24.6
Mathematics	16	1	26.2	1	1	12.0	14	1	27.2
Philosophy, Religion & Theology	2	0	25.5	0	0	.	2	0	25.5
Sciences (Biological & Physical)	140	7	24.6	1	1	22.0	130	9	24.6
Social Sciences	118	6	23.2	1	1	21.0	113	8	23.2
Trade & Industrial	42	2	17.1	14	12	17.0	27	2	17.3
Visual & Performing Arts	95	5	21.9	12	11	16.9	73	5	22.6
Undecided	265	13	21.8	17	15	16.3	212	14	22.4
No Response	458	22	18.9	6	5	15.8	92	6	23.5

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	28	15.6	1	14.0	20	14.5	3	23.0	0	.	0	.	4	16.3
2-yr College Degree	85	16.9	2	17.0	38	14.3	27	19.9	4	19.0	3	22.3	11	15.9
Bachelors Degree	729	20.7	24	17.3	113	16.9	447	21.9	24	18.9	40	18.4	81	22.0
Graduate Study	352	24.2	6	19.7	32	20.8	234	25.1	8	21.4	29	21.8	43	24.7
Prof. Level Degree	386	23.8	18	20.1	30	20.3	220	24.8	14	20.9	38	22.7	66	24.5
Other	49	17.3	1	20.0	22	14.2	16	20.3	0	.	2	19.0	8	18.8
No Response	418	18.7	5	21.0	11	19.3	86	23.5	4	20.3	7	24.6	305	17.1

Table 4.3. Students' Score Report Preferences at Time of Testing

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
UNIVERSITY OF ALASKA ANCHORAGE	Alaska	621	334	287	11	23	23	23	15	5	0
UNIVERSITY OF ALASKA FAIRBANKS	Alaska	548	265	283	12	24	24	19	13	7	1
UNIVERSITY OF WASHINGTON	Washington	77	17	60	0	5	14	19	35	26	0
ALASKA PACIFIC UNIVERSITY	Alaska	66	12	54	14	33	11	24	15	3	0
UNIVERSITY OF ALASKA SOUTHEAST	Alaska	65	9	56	25	20	23	25	6	2	0
OREGON STATE UNIVERSITY	Oregon	56	8	48	0	4	21	32	30	13	0
BRIGHAM YOUNG UNIVERSITY	Utah	55	30	25	0	2	11	22	44	20	2
KUSKOKWIM COLLEGE	Alaska	53	18	35	28	55	13	2	2	0	0
WASHINGTON STATE UNIVERSITY	Washington	52	9	43	0	2	13	27	33	21	4
UNIVERSITY OF OREGON	Oregon	51	22	29	2	0	16	37	22	24	0
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	49	23	26	0	2	12	35	35	16	0
WESTERN WASHINGTON UNIVERSITY	Washington	49	13	36	0	2	14	24	29	29	2
UNIVERSITY OF IDAHO	Idaho	47	11	36	0	2	26	28	28	15	2
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	42	23	19	0	2	12	36	19	24	7
GONZAGA UNIVERSITY	Washington	36	6	30	0	6	22	31	19	17	6
NORTHERN ARIZONA UNIVERSITY	Arizona	36	9	27	0	3	19	22	33	22	0
NCAA ELIGIBILITY CENTER	Indiana	34	13	21	0	3	9	38	32	15	3
COLORADO STATE UNIVERSITY	Colorado	31	6	25	6	0	6	35	35	16	0
UNIV OF COLORADO-BOULDER	Colorado	26	11	15	0	0	12	31	27	23	8
ARIZONA STATE UNIV AT THE TEMPE CAMPUS	Arizona	25	7	18	0	4	20	32	36	8	0
EASTERN WASHINGTON UNIVERSITY	Washington	24	2	22	0	13	25	33	13	17	0
MATANUSKA-SUSITNA COLLEGE/UAA	Alaska	24	6	18	4	21	21	42	13	0	0
SHELDON JACKSON COLLEGE	Alaska	24	3	21	25	42	29	4	0	0	0
FORT LEWIS COLLEGE	Colorado	22	7	15	0	32	45	14	9	0	0
HASKELL INDIAN NATIONS UNIVERSITY	Kansas	22	3	19	27	50	23	0	0	0	0
UNIVERSITY OF HAWAII AT MANOA	Hawaii	21	2	19	0	5	19	29	29	19	0
UNIVERSITY OF MONTANA	Montana	21	6	15	0	10	14	38	33	5	0
STANFORD UNIVERSITY	California	20	8	12	0	0	5	15	15	40	25
BOISE STATE UNIVERSITY	Idaho	19	5	14	0	11	16	42	32	0	0
SOUTHERN OREGON UNIVERSITY	Oregon	19	7	12	0	0	26	26	32	16	0
All Other Institutions		1,926	456	1,470	2	9	18	25	22	18	5
Total		4,161	1,351	2,810	6	14	19	24	21	14	3

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	1,027	770,529	22.9	21.4	7.7	7.3	22.3	20.9
African Am./Black	33	86,049	17.5	16.6	6.8	6.5	17.6	16.6
Am. Indian/Alaska Native	72	5,148	19.5	18.9	7.1	6.7	19.3	18.5
Caucasian Am./White	647	464,177	23.5	22.5	7.8	7.4	22.9	21.8
Hispanic	32	71,060	19.2	18.3	7.0	7.1	19.0	18.5
Asian Am./Pacific Islander	79	37,359	21.2	23.1	7.6	7.9	21.0	22.6
Other/No Response	164	106,736	24.5	22.2	7.9	7.5	23.7	21.7
Males	384	327,613	22.4	20.9	7.4	7.0	21.7	20.2
Females	620	421,968	23.1	21.7	7.8	7.6	22.6	21.3
Missing	23	20,948	24.8	23.9	7.7	7.9	23.8	23.2

