

ACT Profile Report - State

Graduating Class 2010
North Dakota



* 0 7 0 0 6 9 C 9 0 *

Table of Contents

<p>Section I: Executive Summary</p> <ul style="list-style-type: none"> Percent of Your Students Ready for College-Level Coursework Five Year Trends—Percent of Students Meeting College Readiness Benchmarks Five Year Trends—Average ACT Scores Five Year Trends—Average ACT Scores by Level of Preparation Five Year Trends—Percent and Average Composite Score by Race/Ethnicity Percent of Students in College Readiness Standards Score Ranges 	<p>Page 5</p>
<p>Section II: Academic Achievement</p> <ul style="list-style-type: none"> ACT Score Distributions, Cumulative Percentages, Averages, and Quartile Values Average ACT Composite Scores for Race/Ethnicity by Level of Preparation Average ACT Scores by Race/Ethnicity Percent of Students in College Readiness Standards Score Ranges Average ACT Scores by Gender Percent of Students Meeting College Readiness Benchmark Scores by Gender College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum 	<p>Page 11</p>
<p>Section III: College Readiness & Impact of Course Rigor</p> <ul style="list-style-type: none"> Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity Average ACT Scores and Average ACT Score Changes by Common Course Patterns College Readiness Percents by Common Course Patterns 	<p>Page 17</p>
<p>Section IV: Career and Educational Aspirations</p> <ul style="list-style-type: none"> Distribution of Planned Educational Majors for All Students by College Plans Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations Students' Score Report Preferences at Time of Testing 	<p>Page 25</p>
<p>Section V: Optional Writing Test Results</p> <ul style="list-style-type: none"> Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing 	<p>Page 29</p>

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.

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

24% 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: 5,882 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. 66% 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, 9% were college ready. 25% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 26% of these students were college ready. In comparison, 66% 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 24% of the cohort took less than three years of natural science courses. 10% of these students were college ready. In comparison, 38% 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 40% 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.

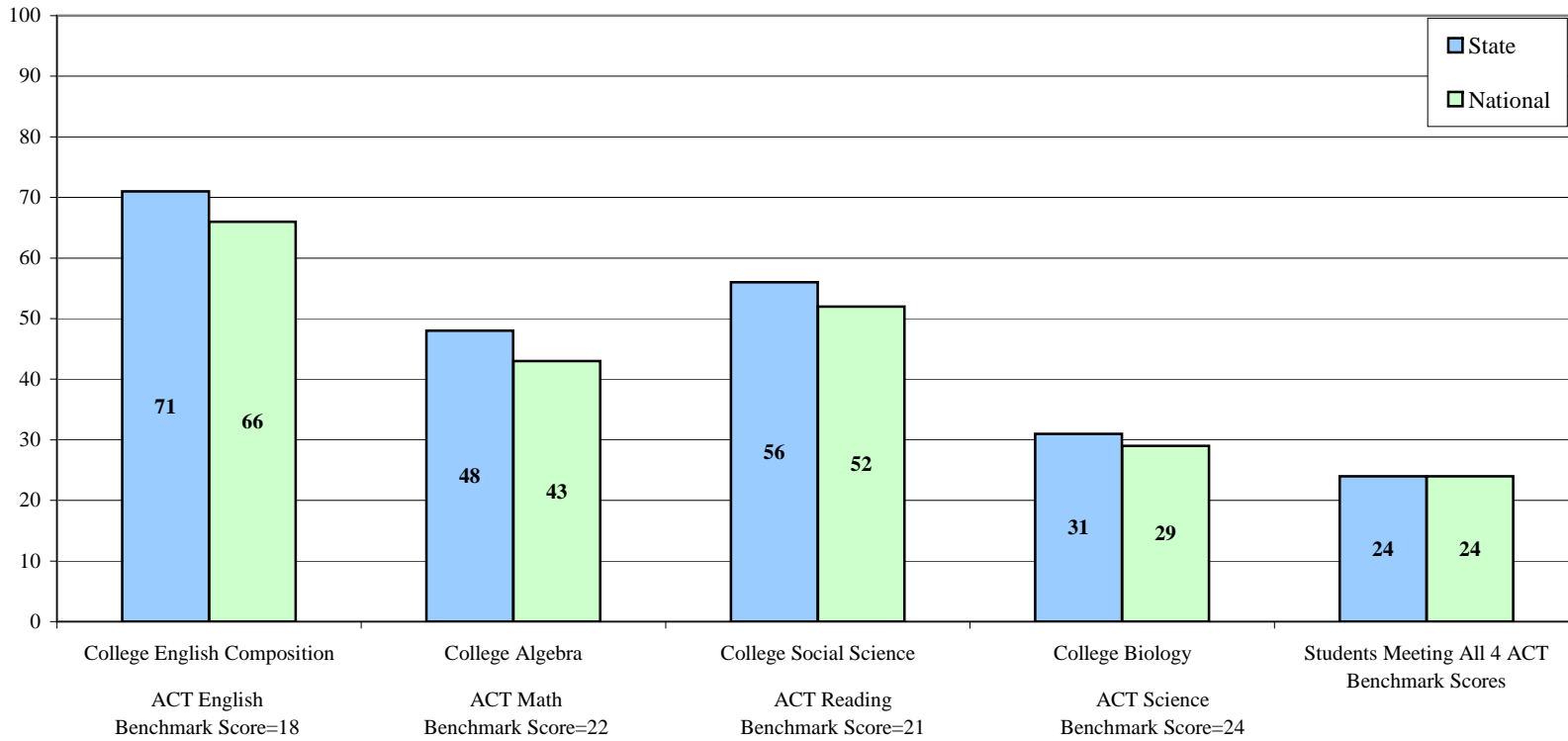
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS: Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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

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: 5,882

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	6,335	1,206,455	70	69	47	42	55	53	30	27	23	21
2007	6,326	1,300,599	73	69	47	43	56	53	30	28	23	23
2008	6,113	1,421,941	72	68	48	43	57	53	31	28	24	22
2009	5,791	1,480,469	70	67	47	42	57	53	31	28	24	23
2010	5,882	1,568,835	71	66	48	43	56	52	31	29	24	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	6,335	1,206,455	20.5	20.6	21.4	20.8	21.6	21.4	21.5	20.9	21.4	21.1
2007	6,326	1,300,599	20.8	20.7	21.5	21.0	21.9	21.5	21.6	21.0	21.6	21.2
2008	6,113	1,421,941	20.7	20.6	21.6	21.0	21.8	21.4	21.5	20.8	21.6	21.1
2009	5,791	1,480,469	20.7	20.6	21.5	21.0	21.8	21.4	21.6	20.9	21.5	21.1
2010	5,882	1,568,835	20.7	20.5	21.4	21.0	21.7	21.3	21.6	20.9	21.5	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: 5,882

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	3,562	2,335	56	37	21.9	18.3	22.8	19.3	22.9	19.7	22.7	19.9	22.7	19.4
2007	3,413	2,259	54	36	22.1	18.8	22.9	19.5	23.0	20.2	22.7	20.1	22.8	19.8
2008	3,796	1,970	62	32	22.0	18.5	22.8	19.5	22.9	20.0	22.5	19.8	22.7	19.6
2009	3,890	1,761	67	30	21.9	18.2	22.7	19.2	22.9	19.7	22.6	19.7	22.6	19.3
2010	3,894	1,870	66	32	22.0	18.2	22.7	19.0	22.9	19.5	22.7	19.5	22.7	19.2

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.

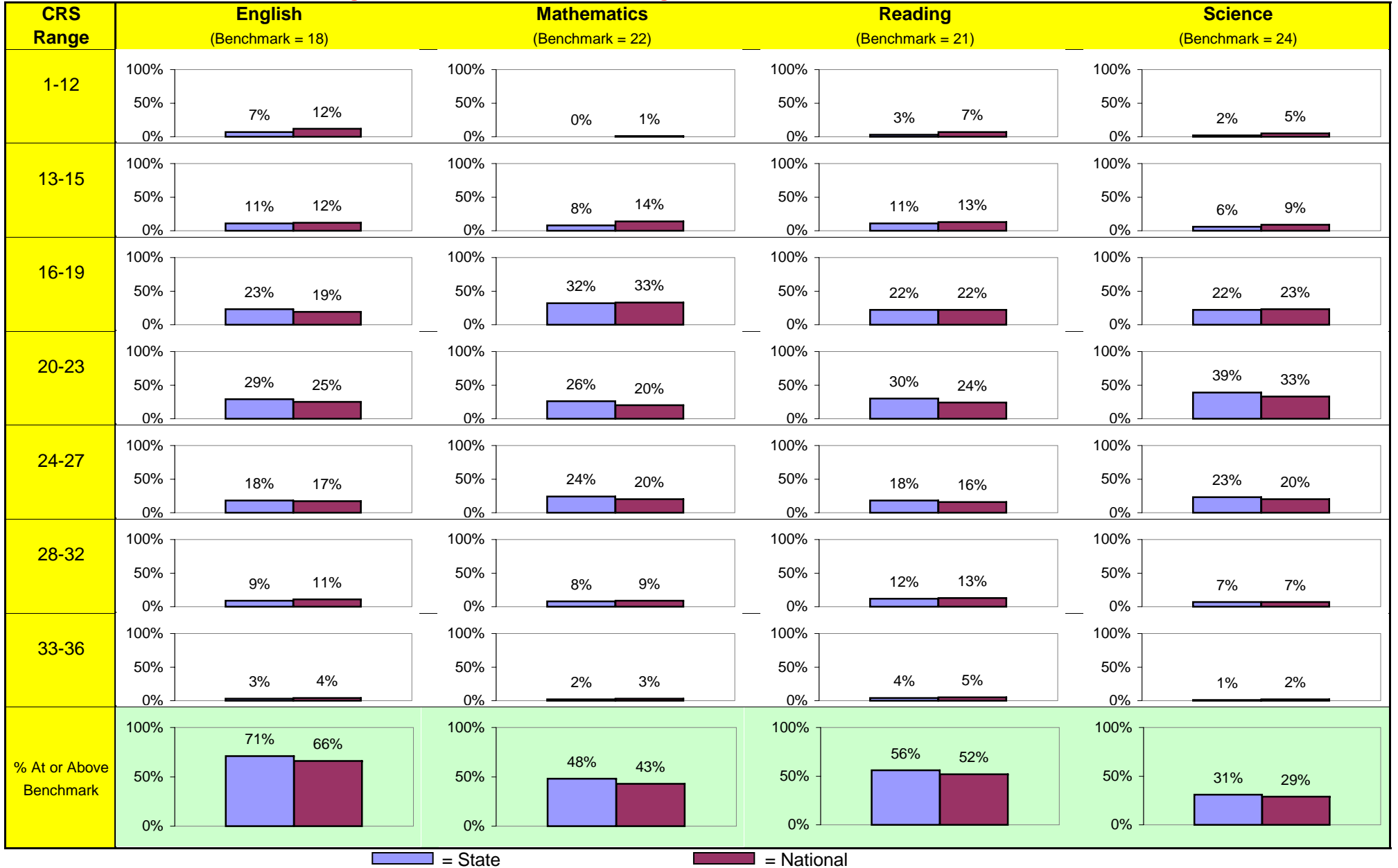
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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	6,335	100	21.4	6,326	100	21.6	6,113	100	21.6	5,791	100	21.5	5,882	100	21.5
African American/Black	33	1	19.6	32	1	18.4	51	1	18.0	54	1	18.8	52	1	17.1
American Indian/Alaska Native	224	4	17.4	242	4	17.1	220	4	17.0	230	4	17.8	276	5	17.0
Caucasian American/White	5,544	88	21.5	5,380	85	21.8	5,419	89	21.8	5,181	89	21.7	5,214	89	21.8
Hispanic	45	1	20.2	47	1	20.5	45	1	19.2	47	1	20.3	58	1	20.3
Asian American/Pacific Islander	55	1	22.8	43	1	21.5	40	1	24.0	43	1	21.2	57	1	22.1
Other/No Response	434	7	21.3	582	9	21.7	338	6	21.3	236	4	21.3	225	4	20.8

Total Students in Report: 5,882

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



Section II

Academic Achievement

Total Students in Report: 5,882

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	6	100	5	100	31	100	13	100	2	100	36
35	47	100	37	100	33	99	16	100	10	100	35
34	51	99	39	99	86	99	14	100	14	100	34
33	52	98	40	99	77	97	27	99	28	100	33
32	60	97	52	98	78	96	16	99	49	99	32
31	78	96	66	97	105	95	55	99	69	98	31
30	103	95	79	96	163	93	87	98	109	97	30
29	100	93	104	95	196	90	105	96	136	95	29
28	169	92	168	93	193	87	142	94	152	93	28
27	167	89	245	90	205	84	206	92	224	90	27
26	298	86	330	86	216	80	271	88	281	87	26
25	260	81	388	80	308	76	438	84	359	82	25
24	337	76	452	74	327	71	423	76	462	76	24
23	376	71	436	66	372	66	616	69	424	68	23
22	418	64	390	59	488	59	440	59	501	61	22
21	509	57	282	52	427	51	654	51	544	52	21
20	418	48	424	47	483	44	601	40	477	43	20
19	409	41	384	40	353	36	433	30	442	35	19
18	314	34	400	33	278	30	412	23	427	27	18
17	296	29	542	27	375	25	254	16	384	20	17
16	338	24	554	17	281	18	194	11	292	13	16
15	319	18	313	8	262	14	142	8	192	8	15
14	223	13	106	3	231	9	112	5	152	5	14
13	110	9	38	1	137	5	72	4	90	3	13
12	120	7	7	1	94	3	71	2	45	1	12
11	120	5	1	1	50	1	35	1	13	1	11
10	80	3	0	1	19	1	22	1	2	1	10
9	63	2	0	1	4	1	8	1	2	1	9
8	26	1	0	1	4	1	1	1	0	1	8
7	11	1	0	1	5	1	1	1	0	1	7
6	3	1	0	1	0	1	1	1	0	1	6
5	1	1	0	1	0	1	0	1	0	1	5
4	0	1	0	1	1	1	0	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	20.7 (5.6)		21.4 (4.7)		21.7 (5.5)		21.6 (4.3)		21.5 (4.5)		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: 5,882

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	168	100	44	100	110	100	159	100	189	100	44	100	28	100	18
17	153	97	32	99	206	98	315	97	264	97	42	99	33	100	17
16	215	95	221	99	319	95	258	92	300	92	161	99	148	99	16
15	343	91	326	95	394	89	415	88	432	87	166	96	286	96	15
14	311	85	398	89	431	83	353	80	440	80	542	93	471	92	14
13	381	80	518	83	457	75	507	74	435	72	592	84	750	84	13
12	451	73	733	74	699	67	497	66	638	65	675	74	679	71	12
11	583	66	851	61	657	56	709	57	622	54	888	62	807	59	11
10	823	56	665	47	697	44	615	45	619	44	896	47	953	46	10
9	663	42	743	36	743	33	458	35	551	33	852	32	591	29	9
8	470	30	524	23	495	20	462	27	632	24	491	17	529	19	8
7	470	22	343	14	371	11	380	19	477	13	276	9	268	10	7
6	364	14	147	8	160	5	357	13	199	5	105	4	158	6	6
5	237	8	175	6	84	2	259	7	44	1	88	3	87	3	5
4	160	4	109	3	37	1	89	2	30	1	25	1	33	2	4
3	74	2	49	1	19	1	39	1	7	1	32	1	34	1	3
2	14	1	3	1	2	1	10	1	3	1	0	1	19	1	2
1	2	1	1	1	1	1	0	1	0	1	7	1	8	1	1
Avg (SD)	10.3 (3.5)		10.6 (3.0)		11.2 (3.1)		11.0 (3.6)		11.3 (3.3)		10.8 (2.6)		10.8 (2.7)		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)	24	25	25	24	24
Q2 (50th Percentile)	21	21	21	21	21
Q1 (25th Percentile)	17	17	18	19	18

Total Students in Report: 5,882

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	5,882	66	22.7	19.2
	African American/Black	52	56	18.7	15.3
	American Indian/Alaska Native	276	55	18.2	15.8
	Caucasian American/White	5,214	67	23.0	19.5
	Hispanic	58	64	21.2	19.1
	Asian American/Pacific Islander	57	70	24.1	17.9
	Other/No Response	225	56	22.3	18.8
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	20.7	21.4	21.7	21.6	21.5
	African American/Black	15.7	17.4	17.7	17.2	17.1
	American Indian/Alaska Native	15.5	17.2	17.3	17.5	17.0
	Caucasian American/White	21.1	21.7	22.0	21.9	21.8
	Hispanic	19.4	20.0	20.7	20.6	20.3
	Asian American/Pacific Islander	20.8	23.4	21.4	22.2	22.1
	Other/No Response	20.2	20.4	21.3	20.6	20.8
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: 5,882

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	156	3	121	2	227	4	70	1
	28 to 32	510	9	469	8	735	12	405	7
	24 to 27	1,062	18	1,415	24	1,056	18	1,338	23
	20 to 23	1,721	29	1,532	26	1,770	30	2,311	39
	16 to 19	1,357	23	1,880	32	1,287	22	1,293	22
	13 to 15	652	11	457	8	630	11	326	6
	01 to 12	424	7	8	0	177	3	139	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	2,858	49	20.1	21.9	21.4	22.0	21.5
	Females	3,018	51	21.3	20.9	22.0	21.2	21.5
	Missing	6	0	17.2	19.5	17.0	19.8	18.7
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	67	52	53	35	27
	Females	75	44	59	27	21
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 5,882

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	3,894	80	22.0	60	22.7	66	22.9	40	22.7	32	22.7
	Less than Core	1,870	54	18.2	25	19.0	39	19.5	14	19.5	9	19.2
	Missing ³	118	39	16.0	17	17.4	21	17.6	9	17.8	5	17.3
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	5,626	72	20.8	5,045	54	22.1	5,424	58	21.9	4,413	38	22.4
	Less than Core	182	62	19.2	725	9	17.2	381	42	19.8	1,388	10	19.0
	Missing ³	74	47	17.1	112	17	17.4	77	26	18.3	81	11	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.

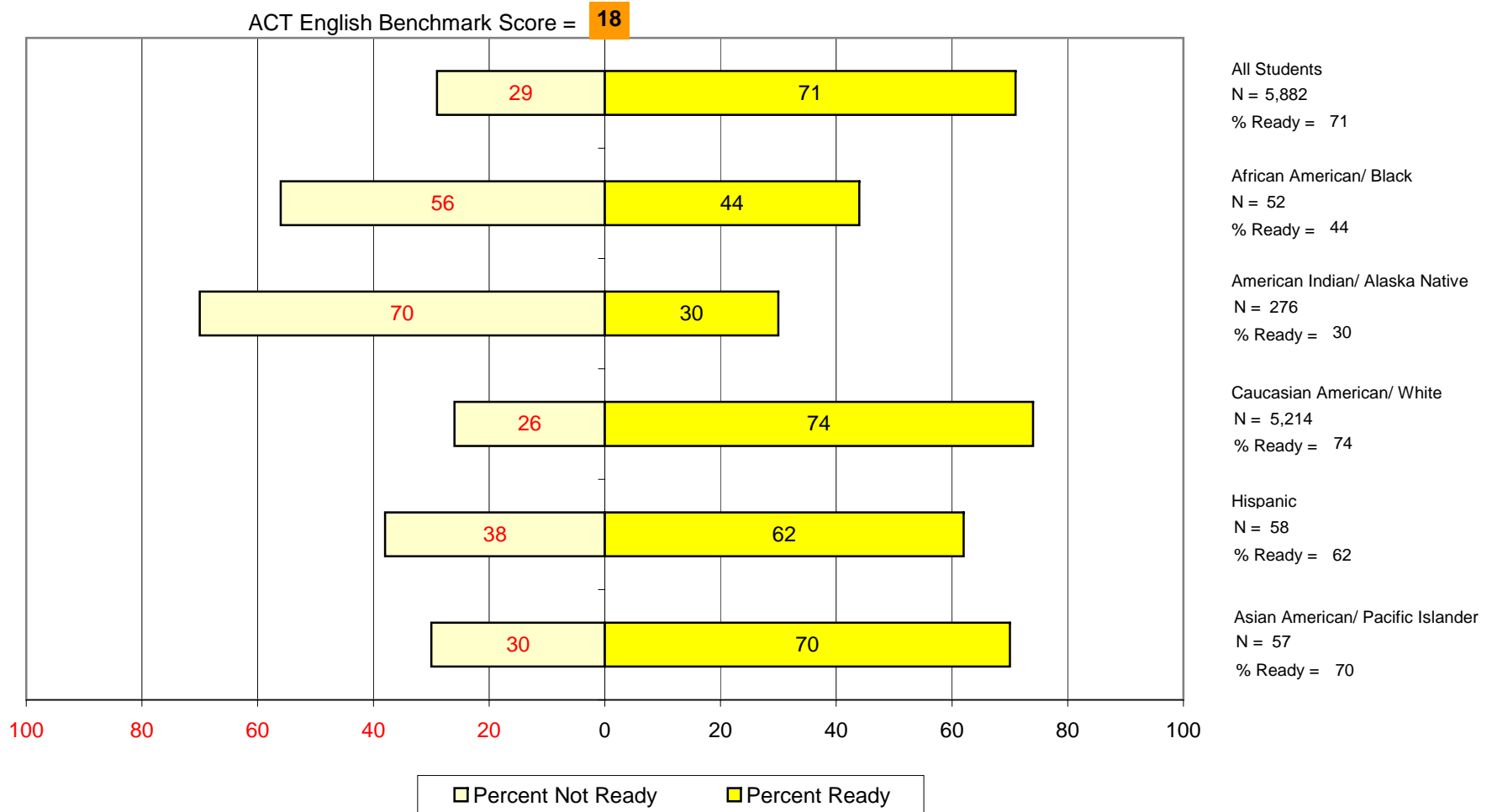
³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

Total Students in Report: 5,882

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



Total Students in Report: 5,882

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

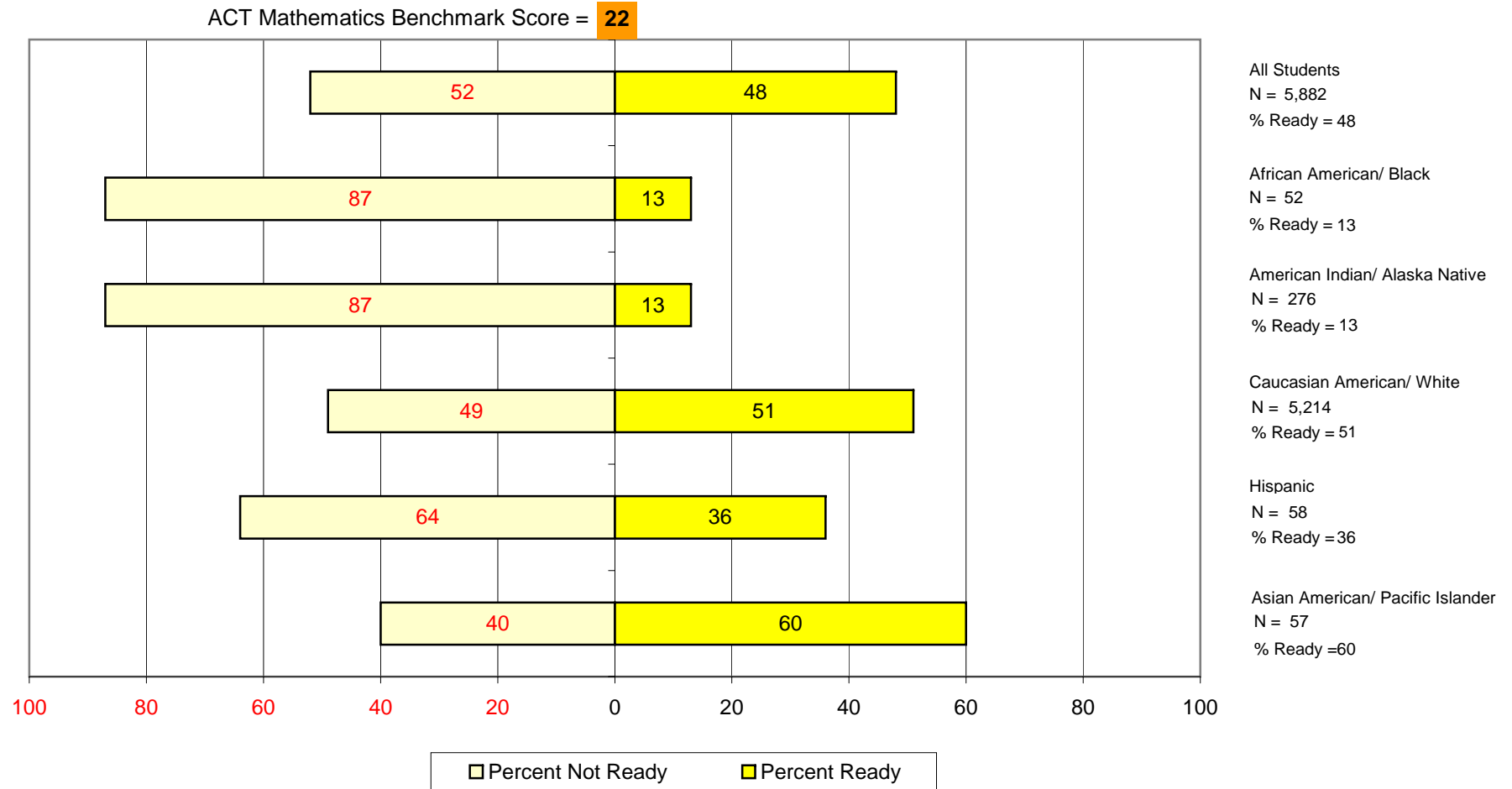
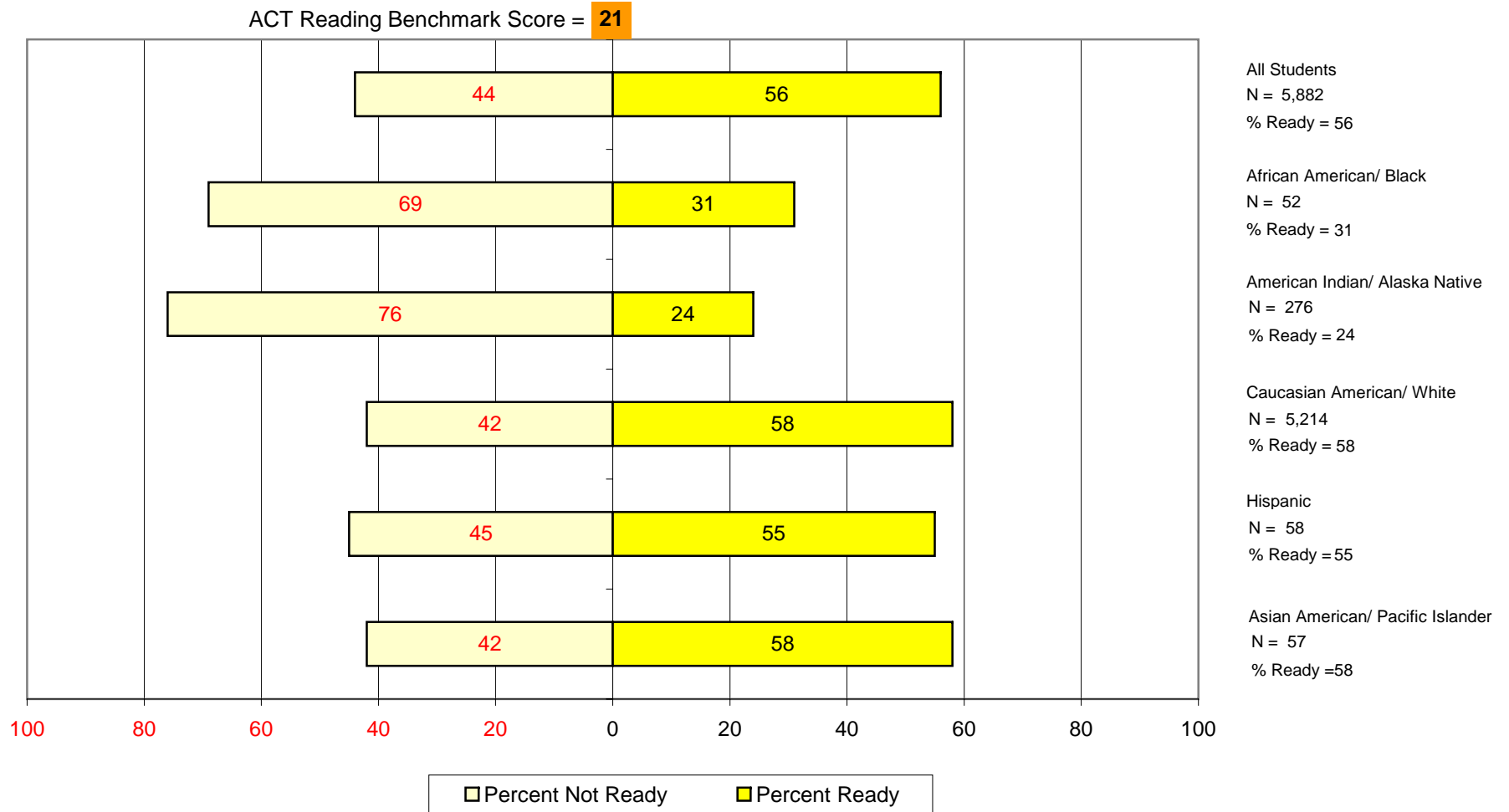


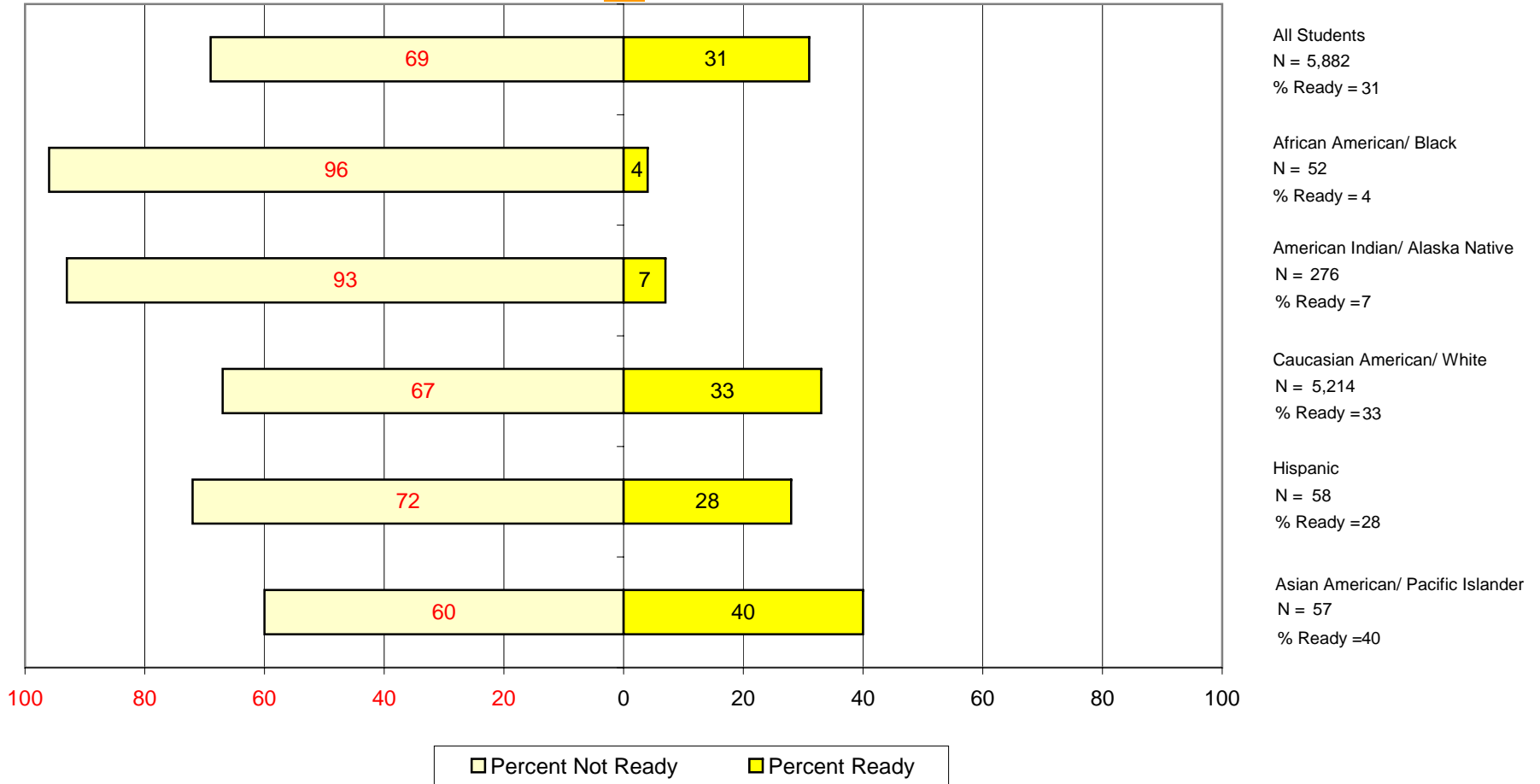
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



Total Students in Report: 5,882

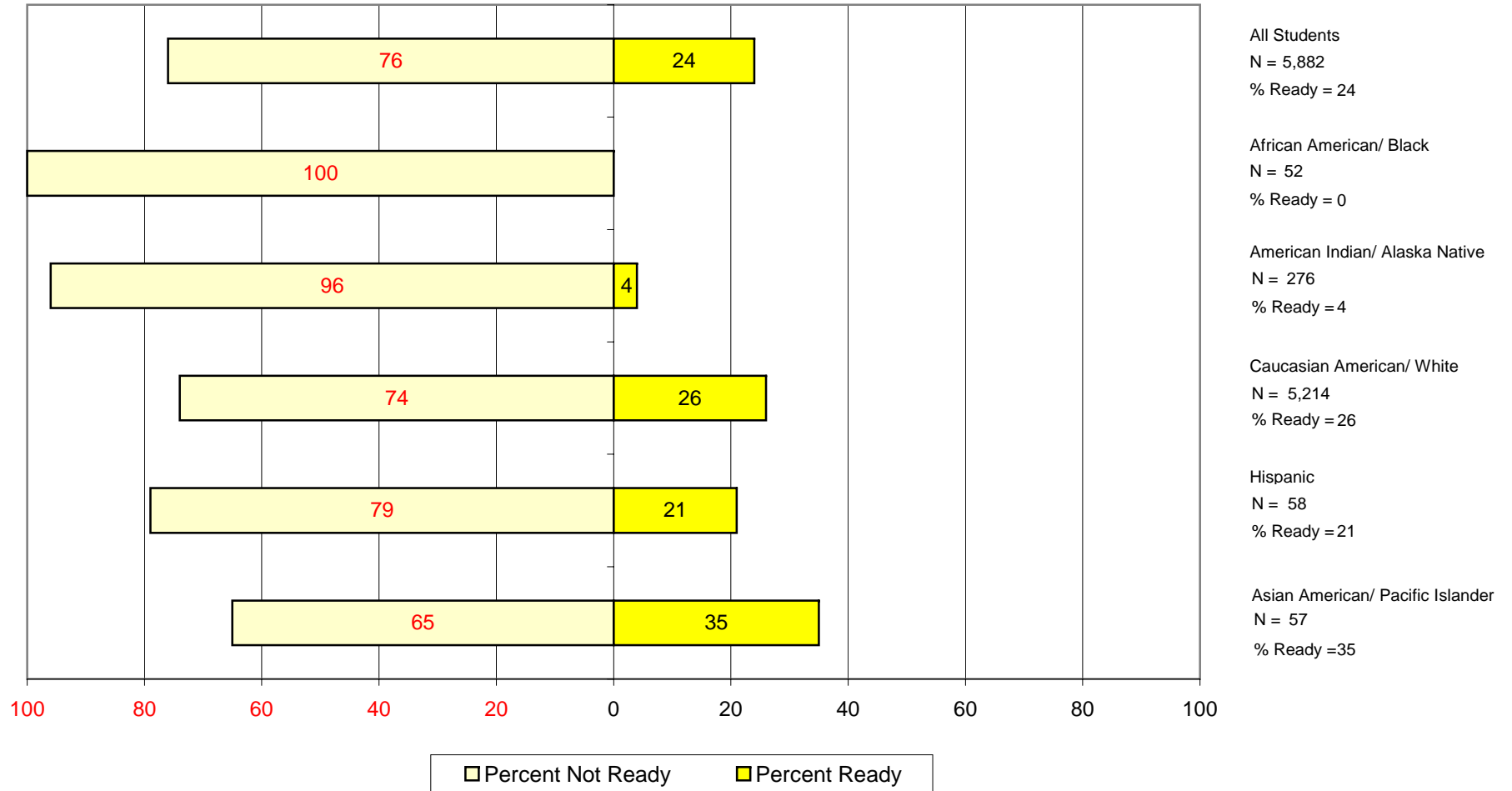
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24



Total Students in Report: 5,882

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



Total Students in Report: 5,882

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	1,664	28	21.7	2.5	698	24	21.2	3.0	965	32	22.1	2.0
Eng 9, Eng 10, Eng 11, Eng 12	3,962	67	20.4	1.2	2,028	71	19.9	1.7	1,931	64	21.0	0.9
Less than 4 years of English	182	3	19.2	-	88	3	18.2	-	93	3	20.1	-
Zero years / no English courses reported	74	1	17.1	-	44	2	17.1	-	29	1	17.0	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	173	3	25.6	8.4	91	3	26.1	8.6	82	3	25.0	8.3
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	354	6	23.8	6.6	151	5	24.3	6.8	202	7	23.4	6.7
Alg 1, Alg 2, Geom, & Trig	198	3	21.7	4.5	87	3	22.4	4.9	111	4	21.2	4.5
Alg 1, Alg 2, Geom, & Other Adv Math	1,393	24	22.2	5.0	559	20	22.9	5.4	833	28	21.7	5.0
Other comb of 4 or more years of Math	1,175	20	24.9	7.7	657	23	25.8	8.3	518	17	23.7	7.0
Alg 1, Alg 2, & Geom	1,446	25	19.3	2.1	677	24	19.5	2.0	768	25	19.0	2.3
Other comb of 3 or 3.5 years of Math	306	5	21.5	4.3	149	5	21.5	4.0	157	5	21.4	4.7
Less than 3 years of Math	725	12	17.2	-	417	15	17.5	-	306	10	16.7	-
Zero years / no Math courses reported	112	2	17.4	-	70	2	17.5	-	41	1	17.0	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	157	3	20.1	0.3	92	3	19.3	-0.2	65	2	21.2	1.0
Other comb of 4 or more years Social Science	2,936	50	22.2	2.4	1,337	47	22.1	2.6	1,596	53	22.3	2.1
US Hist, World Hist, & Am Gov	473	8	20.8	1.0	266	9	20.0	0.5	207	7	22.0	1.8
Other comb of 3 or 3.5 years of Social Science	1,858	32	21.8	2.0	910	32	21.5	2.0	947	31	22.0	1.8
Less than 3 years of Social Science	381	6	19.8	-	206	7	19.5	-	174	6	20.2	-
Zero years / no Social Science courses reported	77	1	18.3	-	47	2	18.5	-	29	1	18.0	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,834	31	23.4	4.4	1,002	35	24.1	5.0	832	28	22.5	3.6
Bio, Chem, Phys	19	0	21.6	2.6	11	0	21.3	2.2	8	0	22.0	3.1
Gen Sci ² , Bio, Chem	2,330	40	21.7	2.7	915	32	22.0	2.9	1,413	47	21.5	2.6
Other comb of 3 years of Natural Science	230	4	22.3	3.3	142	5	22.8	3.7	88	3	21.4	2.5
Less than 3 years of Natural Science	1,388	24	19.0	-	739	26	19.1	-	646	21	18.9	-
Zero years / no Natural Science courses reported	81	1	18.2	-	49	2	18.5	-	31	1	17.6	-

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: 5,882

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	1,664	28	21.7	77	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	3,962	67	20.4	69	1,096,437	70	20.5	66
Less than 4 years of English	182	3	19.2	62	74,180	5	16.4	39
Zero years / no English courses reported	74	1	17.1	47	43,106	3	15.7	34
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	173	3	25.6	86	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	354	6	23.8	73	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	198	3	21.7	55	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	1,393	24	22.2	59	239,289	15	20.0	36
Other comb of 4 or more years of Math	1,175	20	24.9	76	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	1,446	25	19.3	26	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	306	5	21.5	48	74,720	5	19.9	35
Less than 3 years of Math	725	12	17.2	9	97,949	6	16.4	7
Zero years / no Math courses reported	112	2	17.4	17	47,380	3	17.5	16
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	157	3	20.1	43	47,523	3	22.6	60
Other comb of 4 or more years Social Science	2,936	50	22.2	61	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	473	8	20.8	48	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	1,858	32	21.8	56	439,520	28	21.2	51
Less than 3 years of Social Science	381	6	19.8	42	156,679	10	19.5	39
Zero years / no Social Science courses reported	77	1	18.3	26	45,555	3	17.3	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	1,834	31	23.4	48	620,765	40	22.2	40
Bio, Chem, Phys	19	0	21.6	26	152,001	10	23.2	48
Gen Sci ¹ , Bio, Chem	2,330	40	21.7	30	474,375	30	20.1	21
Other comb of 3 years of Natural Science	230	4	22.3	35	43,231	3	19.7	21
Less than 3 years of Natural Science	1,388	24	19.0	10	231,566	15	18.3	12
Zero years / no Natural Science courses reported	81	1	18.2	11	46,897	3	17.4	10

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 5,882

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	246	4	19.8	90	9	17.9	142	3	21.0
Architecture & Environmental Design	104	2	21.2	19	2	17.8	81	2	22.2
Business & Management	388	7	21.1	58	6	17.8	311	7	21.7
Business & Office	43	1	20.0	11	1	16.3	32	1	21.3
Marketing & Distribution	33	1	21.2	3	0	18.7	28	1	21.6
Communications & Comm. Technologies	93	2	22.0	9	1	18.1	80	2	22.6
Community & Personal Services	155	3	18.9	53	6	17.2	95	2	19.9
Computer & Information Sciences	145	2	22.6	27	3	20.0	113	2	23.2
Cross-Disciplinary Studies	5	0	23.0	0	0	.	5	0	23.0
Education	205	3	21.5	7	1	16.3	192	4	21.7
Teacher Education	172	3	20.7	6	1	17.3	159	4	20.9
Engineering	220	4	23.5	27	3	18.8	184	4	24.2
Engineering-Related Technologies	207	4	22.7	40	4	19.0	157	3	23.8
Foreign Languages	37	1	22.6	1	0	12.0	32	1	23.1
Health Sciences & Allied Health Fields	1,226	21	22.0	94	10	18.3	1,087	24	22.3
Human, Family & Consumer Science	65	1	19.4	18	2	19.0	45	1	19.7
Letters	21	0	24.5	3	0	19.0	16	0	25.9
Mathematics	32	1	25.4	1	0	25.0	28	1	25.9
Philosophy, Religion & Theology	32	1	23.6	2	0	23.5	26	1	23.3
Sciences (Biological & Physical)	272	5	23.2	10	1	18.2	253	6	23.5
Social Sciences	256	4	22.6	6	1	19.8	243	5	22.7
Trade & Industrial	297	5	18.2	229	24	17.7	58	1	20.0
Visual & Performing Arts	292	5	21.7	44	5	19.3	238	5	22.1
Undecided	1,227	21	21.5	189	20	17.9	910	20	22.4
No Response	109	2	18.1	8	1	14.3	14	0	17.7

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).

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	191	17.9	0	.	7	15.3	172	18.0	4	14.8	0	.	8	19.1
2-yr College Degree	764	18.1	8	15.4	50	15.6	666	18.3	5	18.4	5	15.2	30	17.6
Bachelors Degree	2,875	21.5	18	16.9	111	17.1	2,612	21.8	25	20.5	19	20.2	90	20.9
Graduate Study	546	23.5	9	19.0	27	17.9	480	23.9	4	21.8	7	22.1	19	22.9
Prof. Level Degree	1,108	23.9	13	17.3	55	18.4	953	24.3	18	22.0	25	24.8	44	23.3
Other	152	19.8	3	18.3	14	16.4	122	20.4	0	.	0	.	13	18.5
No Response	246	20.5	1	11.0	12	15.8	209	20.9	2	15.5	1	25.0	21	20.0

Total Students in Report: 5,882

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
NORTH DAKOTA STATE UNIVERSITY	North Dakota	2,131	836	1,295	0	3	20	35	30	10	1
UNIVERSITY OF NORTH DAKOTA	North Dakota	1,862	651	1,211	0	4	18	35	30	11	1
BISMARCK STATE COLLEGE	North Dakota	966	470	496	2	12	36	33	14	3	0
NORTH DAKOTA STATE COLLEGE OF SCIENCE	North Dakota	680	279	401	2	13	41	29	11	3	0
MINOT STATE UNIVERSITY	North Dakota	617	220	397	1	6	28	38	22	6	0
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	569	128	441	0	5	22	37	27	8	1
UNIVERSITY OF MARY	North Dakota	515	123	392	1	5	24	35	26	8	1
UNIVERSITY OF MINNESOTA-TWIN CITIES	Minnesota	443	110	333	0	2	8	26	41	19	3
DICKINSON STATE UNIVERSITY	North Dakota	325	122	203	0	8	29	38	19	5	0
CONCORDIA COLLEGE-MOORHEAD	Minnesota	281	71	210	0	1	10	27	41	21	1
VALLEY CITY STATE UNIVERSITY	North Dakota	264	63	201	1	9	30	38	16	5	0
JAMESTOWN COLLEGE	North Dakota	219	47	172	0	5	25	30	30	9	0
LAKE REGION STATE COLLEGE	North Dakota	198	87	111	2	22	38	28	9	2	0
MAYVILLE STATE UNIVERSITY	North Dakota	168	41	127	2	10	36	31	19	2	0
MINN ST COMM & TECH COLL-MOORHEAD	Minnesota	167	52	115	3	17	44	31	5	0	0
WILLISTON STATE COLLEGE	North Dakota	143	49	94	2	13	40	29	14	2	0
DAKOTA COLLEGE AT BOTTINEAU	North Dakota	142	47	95	4	14	44	27	10	1	0
NORTHLAND COMM & TECH COLL-E GRAND FRKS	Minnesota	100	30	70	0	15	40	33	10	2	0
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	97	16	81	1	1	9	39	38	11	0
NORTHERN STATE UNIVERSITY	South Dakota	63	17	46	2	8	27	41	16	6	0
UNIV OF MINNESOTA-CROOKSTON	Minnesota	61	13	48	0	10	34	33	16	7	0
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	60	14	46	2	2	12	33	30	20	2
TURTLE MOUNTAIN COMMUNITY COLLEGE	North Dakota	60	31	29	8	38	42	10	0	2	0
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	57	9	48	0	0	14	44	32	11	0
MEDCENTER ONE COLLEGE OF NURSING	North Dakota	56	3	53	0	13	29	32	21	5	0
UNITED TRIBES TECHNICAL COLLEGE	North Dakota	54	15	39	11	52	30	7	0	0	0
BEMIDJI STATE UNIVERSITY	Minnesota	52	9	43	0	6	31	40	17	6	0
NCAA ELIGIBILITY CENTER	Indiana	50	18	32	0	2	14	38	30	14	2
SAINT CLOUD STATE UNIVERSITY	Minnesota	50	8	42	2	2	14	52	24	6	0
SOUTH DAKOTA SCH OF MINES/TECH	South Dakota	49	16	33	0	0	14	18	43	24	0
All Other Institutions		2,123	485	1,638	1	5	17	29	27	17	3
Total		12,622	4,080	8,542	1	7	24	33	25	10	1

Section V Optional Writing Test Results

Total Students in Report: 5,882

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	1,688	869,014	22.7	21.4	6.7	7.1	21.2	20.8
African American/Black	13	107,638	12.0	16.4	5.1	6.4	11.9	16.4
American Indian/Alaska Native	50	6,232	17.9	18.9	6.2	6.6	17.3	18.4
Caucasian American/White	1,505	518,004	22.9	23.0	6.7	7.3	21.5	22.1
Hispanic	19	101,126	19.6	18.1	6.4	6.9	18.9	18.1
Asian American/Pacific Islander	27	49,922	23.5	23.6	7.4	7.7	22.4	22.9
Other/No Response	74	86,092	22.7	21.0	6.8	7.1	21.4	20.4
Males	727	384,152	22.3	21.1	6.4	6.9	20.7	20.3
Females	960	484,023	23.0	21.7	6.9	7.3	21.7	21.2
Missing	1	839	19.0	16.8	4.0	6.3	16.0	16.6

