

ACT Profile Report - State

Graduating Class 2012
North Dakota



ACT, INC. -- CONFIDENTIAL



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This report provides information about the performance of your 2012 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 2012 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

23% of your students met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT: 6,896 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. 58% 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, 8% were college ready. 26% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 24% of these students were college ready. In comparison, 68% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 25% of the cohort took less than three years of natural science courses. 11% of these students were college ready. In comparison, 37% 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 43% 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.

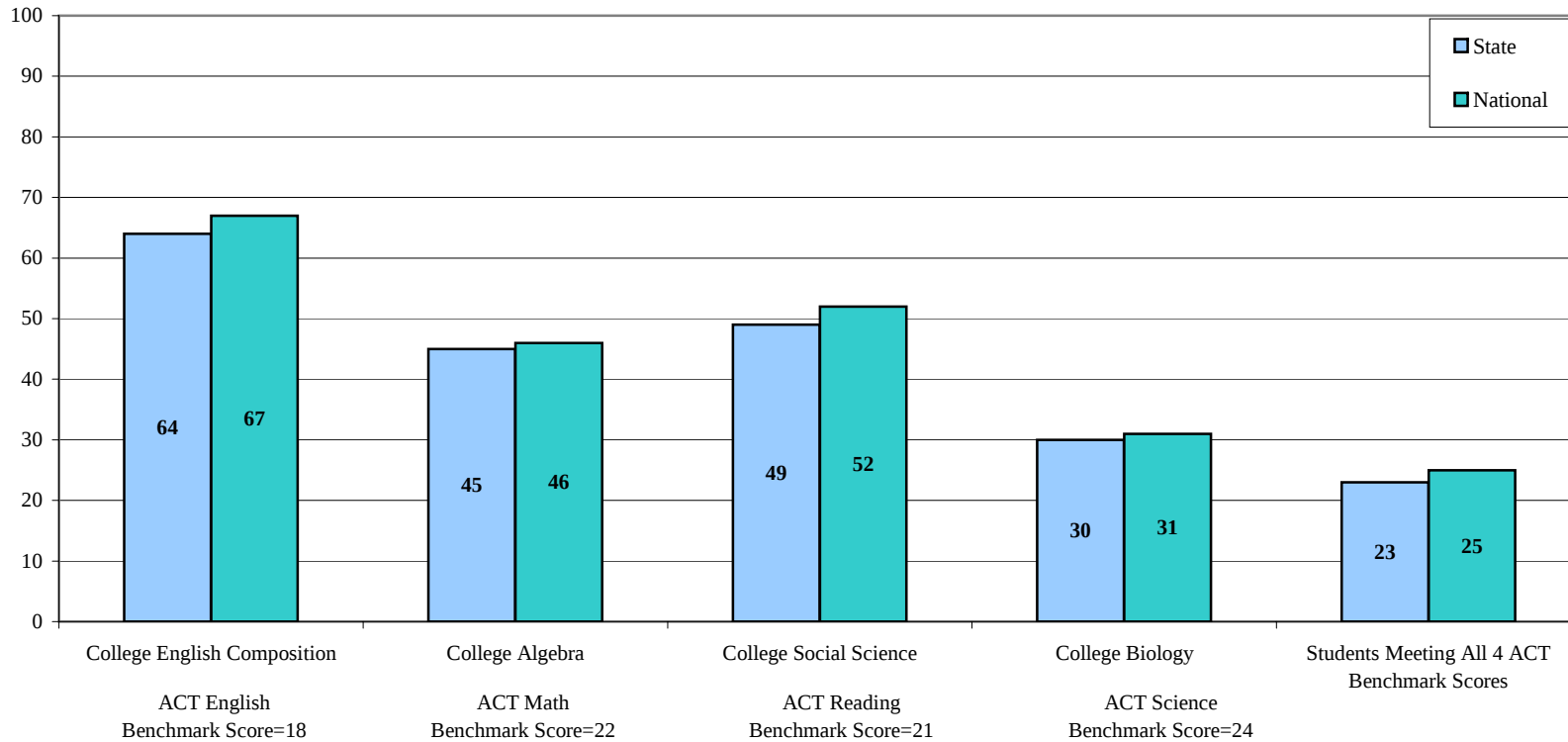
Section I

Executive Summary

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories.

Therefore, trend data may not be present where direct conversions are not available.

Figure 1.1. Percent of Your Students Ready for College-Level Coursework



A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college course.

Total Students in Report: 6,896

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
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
2011	7,057	1,623,112	63	66	43	45	48	52	26	30	21	25
2012	6,896	1,666,017	64	67	45	46	49	52	30	31	23	25

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
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
2011	7,057	1,623,112	19.8	20.6	20.8	21.1	20.8	21.3	20.8	20.9	20.7	21.1
2012	6,896	1,666,017	19.6	20.5	21.0	21.1	20.7	21.3	20.9	20.9	20.7	21.1

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested		Average ACT Scores				
			English	Mathematics	Reading	Science	Composite
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
2011	1,623,112		20.6	21.1	21.3	20.9	21.1
2012	1,666,017		20.5	21.1	21.3	20.9	21.1

Total Students in Report: 6,896

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
					English		Mathematics		Reading		Science		Composite	
	Core or More ¹	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	Core or More	Less than Core	Core or More	Less than Core
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
2011	4,117	2,574	58	36	21.6	17.3	22.4	18.5	22.3	18.6	22.4	18.8	22.3	18.4
2012	4,032	2,546	58	37	21.4	17.2	22.7	18.7	22.4	18.4	22.4	18.9	22.3	18.4

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.

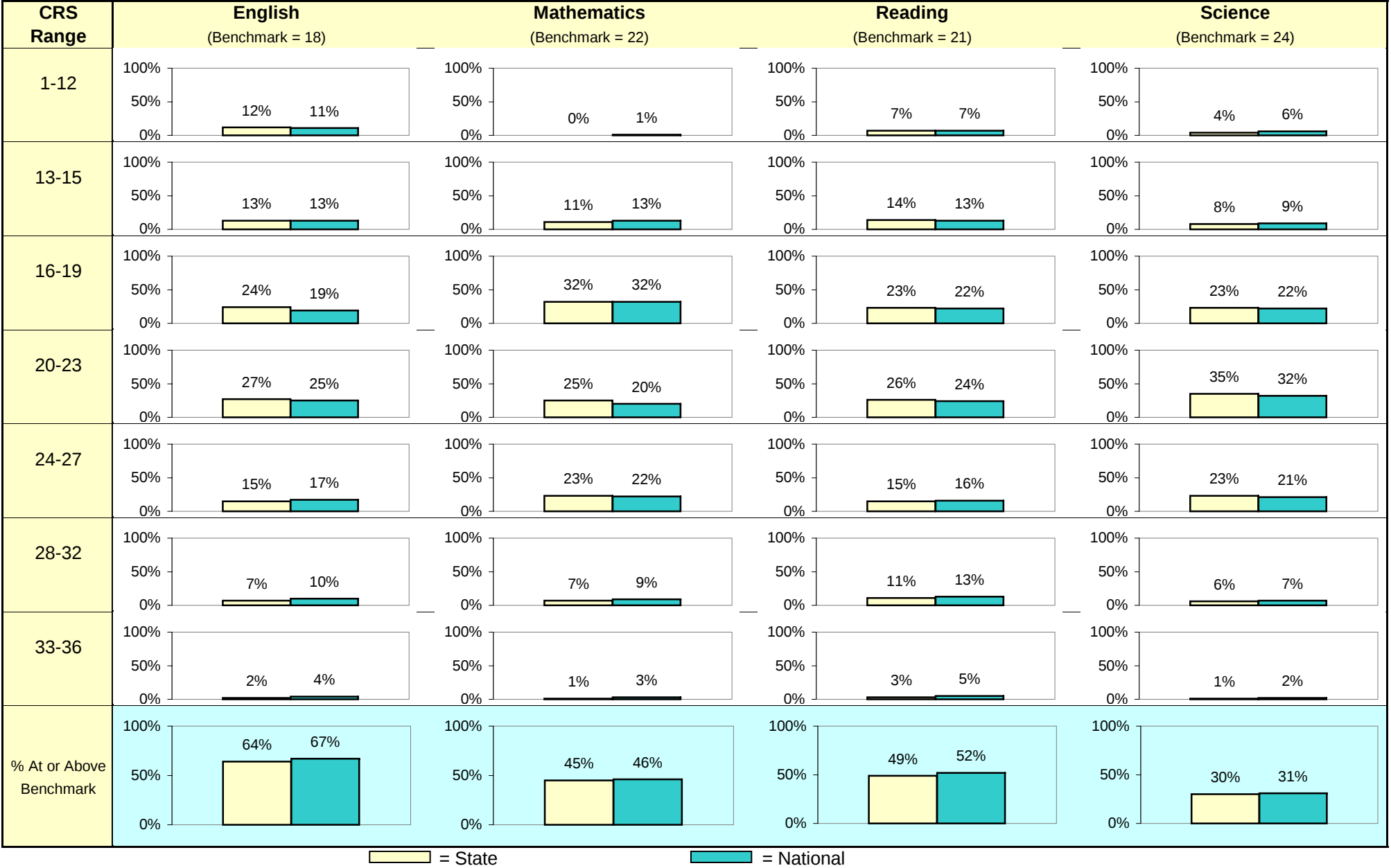
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2008			2009			2010			2011			2012		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	6,113	100	21.6	5,791	100	21.5	5,882	100	21.5	7,057	100	20.7	6,896	100	20.7
Black/African American	51	1	18.0	54	1	18.8	52	1	17.1	73	1	16.4	100	1	15.6
American Indian/Alaska Native	220	4	17.0	230	4	17.8	276	5	17.0	387	5	16.5	290	4	16.8
White	5,419	89	21.8	5,181	89	21.7	5,214	89	21.8	5,855	83	21.2	5,712	83	21.2
Hispanic/Latino	45	1	19.2	47	1	20.3	58	1	20.3	130	2	18.1	171	2	18.1
Asian	40	1	24.0	43	1	21.2	57	1	22.1	78	1	20.8	80	1	19.3
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	2	0	13.5	8	0	20.0
Two or more races	47	1	20.9	61	1	21.4	69	1	21.2	151	2	20.1	225	3	20.3
Prefer not to respond/No response	291	5	21.4	175	3	21.2	156	3	20.6	381	5	18.8	310	4	19.5

¹Refer to the section header on page 5 for a description of race/ethnicity changes.

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



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Section II

Academic Achievement

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 6,896

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

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	12	100	9	100	32	100	11	100	0	100	36
35	32	100	16	100	21	100	13	100	9	100	35
34	47	99	27	100	67	99	9	100	15	100	34
33	66	99	40	99	110	98	33	100	29	100	33
32	67	98	68	99	105	97	39	99	54	99	32
31	83	97	56	98	149	95	65	98	70	98	31
30	102	96	96	97	144	93	67	98	107	97	30
29	89	94	112	95	160	91	100	97	143	96	29
28	142	93	185	94	206	89	122	95	137	94	28
27	154	91	305	91	214	86	239	93	232	92	27
26	214	88	328	87	227	82	325	90	286	88	26
25	313	85	436	82	256	79	410	85	405	84	25
24	342	81	542	76	368	75	619	79	479	78	24
23	455	76	519	68	489	70	391	70	420	71	23
22	389	69	397	60	356	63	590	65	486	65	22
21	522	64	366	55	444	58	689	56	541	58	21
20	508	56	417	49	499	51	718	46	564	51	20
19	455	49	433	43	325	44	594	36	580	42	19
18	393	42	450	37	648	40	430	27	511	34	18
17	381	36	572	30	319	30	315	21	440	27	17
16	459	31	772	22	281	25	239	16	404	20	16
15	409	24	501	11	411	21	226	13	295	14	15
14	253	18	174	4	373	15	173	9	279	10	14
13	205	15	51	1	184	10	177	7	220	6	13
12	122	12	20	1	223	7	117	4	129	3	12
11	204	10	3	1	97	4	81	3	53	1	11
10	222	7	1	1	123	3	85	2	6	1	10
9	133	4	0	1	31	1	14	1	1	1	9
8	79	2	0	1	18	1	3	1	1	1	8
7	31	1	0	1	7	1	1	1	0	1	7
6	7	1	0	1	6	1	0	1	0	1	6
5	3	1	0	1	1	1	1	1	0	1	5
4	2	1	0	1	1	1	0	1	0	1	4
3	0	1	0	1	1	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	0	1	0	1	1
Avg (SD)	19.6 (5.8)		21.0 (4.7)		20.7 (5.9)		20.9 (4.6)		20.7 (4.7)		Avg (SD)

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

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

Total Students in Report: 6,896

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/ Sciences		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	133	100	43	100	121	100	118	100	194	100	38	100	35	100	18
17	183	98	49	99	240	98	214	98	277	97	18	99	5	99	17
16	245	95	217	99	343	95	314	95	214	93	115	99	174	99	16
15	197	92	324	96	321	90	358	91	441	90	245	98	326	97	15
14	382	89	396	91	425	85	485	85	439	84	555	94	567	92	14
13	267	83	519	85	500	79	541	78	653	77	807	86	710	84	13
12	570	80	697	78	1,045	72	539	71	858	68	544	74	780	74	12
11	680	71	1,033	67	626	57	579	63	596	55	1,213	66	993	62	11
10	935	61	742	52	634	47	632	54	771	47	892	49	1,223	48	10
9	739	48	851	42	611	38	928	45	404	36	820	36	734	30	9
8	582	37	647	29	569	29	582	32	853	30	645	24	551	20	8
7	592	29	508	20	771	21	480	23	665	17	474	15	448	12	7
6	463	20	279	13	274	10	404	16	338	8	300	8	61	5	6
5	458	13	297	9	287	6	433	10	147	3	43	3	185	4	5
4	237	7	177	4	87	2	150	4	33	1	122	3	20	2	4
3	184	3	92	2	22	1	91	2	5	1	21	1	70	1	3
2	44	1	23	1	16	1	47	1	8	1	35	1	0	1	2
1	5	1	2	1	4	1	1	1	0	1	9	1	14	1	1
Avg (SD)	9.7 (3.6)		10.1 (3.1)		10.7 (3.4)		10.3 (3.6)		10.9 (3.3)		10.4 (2.8)		10.7 (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)	23	24	24	24	24
Q2 (50th Percentile)	20	21	20	21	20
Q1 (25th Percentile)	16	17	16	18	17

Total Students in Report: 6,896

Table 2.4. Average ACT Composite Scores for Race/Ethnicity¹ by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ²	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	6,896	58	22.3	18.4
	Black/African American	100	45	17.1	14.6
	American Indian/Alaska Native	290	50	17.7	15.8
	White	5,712	60	22.7	18.8
	Hispanic/Latino	171	42	20.4	16.7
	Asian	80	55	22.4	16.1
	Native Hawaiian/Other Pac. Isl.	8	38	22.0	18.8
	Two or more races	225	53	22.2	17.9
	Prefer not/No Response	310	52	21.0	18.0
National	All Students	1,666,017	76	21.8	19.1
	Black/African American	222,237	72	17.5	15.9
	American Indian/Alaska Native	13,523	66	19.3	16.9
	White	983,148	77	23.0	20.3
	Hispanic/Latino	234,456	73	19.5	17.4
	Asian	68,080	81	24.1	21.8
	Native Hawaiian/Other Pac. Isl.	4,545	74	20.4	18.3
	Two or more races	55,500	76	22.0	19.6
	Prefer not/No Response	84,528	68	22.5	19.2

¹Refer to the section header on page 11 for a description of race/ethnicity changes.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.**Table 2.5. Average ACT Scores by Race/Ethnicity¹**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	19.6	21.0	20.7	20.9	20.7
	Black/African American	13.6	16.7	15.5	16.2	15.6
	American Indian/Alaska Native	14.9	17.2	17.1	17.4	16.8
	White	20.2	21.4	21.2	21.4	21.2
	Hispanic/Latino	16.9	18.4	18.3	18.5	18.1
	Asian	16.9	21.6	17.9	20.1	19.3
	Native Hawaiian/Other Pac. Isl.	18.0	19.8	21.6	20.1	20.0
	Two or more races	19.3	20.3	20.6	20.3	20.3
	Prefer not/No Response	18.1	20.2	19.5	19.7	19.5
National	All Students	20.5	21.1	21.3	20.9	21.1
	Black/African American	16.0	17.3	17.2	17.2	17.0
	American Indian/Alaska Native	17.1	18.5	18.7	18.7	18.4
	White	22.1	22.1	22.7	22.1	22.4
	Hispanic/Latino	17.7	19.4	19.0	18.9	18.9
	Asian	22.7	25.2	22.9	23.2	23.6
	Native Hawaiian/Other Pac. Isl.	18.9	20.4	19.8	19.7	19.8
	Two or more races	21.0	21.1	21.8	21.2	21.4
	Prefer not/No Response	20.7	21.3	21.5	20.9	21.3

¹Refer to the section header on page 11 for a description of race/ethnicity changes.

Total Students in Report: 6,896

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	157	2	92	1	230	3	66	1
	28 to 32	483	7	517	7	764	11	393	6
	24 to 27	1,023	15	1,611	23	1,065	15	1,593	23
	20 to 23	1,874	27	1,699	25	1,788	26	2,388	35
	16 to 19	1,688	24	2,227	32	1,573	23	1,578	23
	13 to 15	867	13	726	11	968	14	576	8
	01 to 12	804	12	24	0	508	7	302	4
National	33 to 36	74,039	4	50,719	3	81,737	5	30,082	2
	28 to 32	167,405	10	149,540	9	223,134	13	123,485	7
	24 to 27	291,143	17	369,818	22	262,453	16	355,144	21
	20 to 23	414,094	25	332,787	20	399,794	24	532,341	32
	16 to 19	318,585	19	538,042	32	366,975	22	373,233	22
	13 to 15	210,405	13	216,778	13	220,083	13	158,083	9
	01 to 12	190,346	11	8,333	1	111,841	7	93,649	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	3,410	49	19.0	21.4	20.2	21.2	20.6
	Females	3,471	50	20.3	20.6	21.2	20.6	20.8
	Missing	15	0	15.0	18.5	15.8	19.0	17.3
National	Males	761,554	46	20.2	21.7	21.2	21.4	21.2
	Females	900,625	54	20.9	20.6	21.4	20.5	21.0
	Missing	3,838	0	16.1	17.8	17.6	17.8	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	59	49	45	34	25
	Females	69	42	52	26	21
National	Males	64	50	51	35	29
	Females	69	42	53	27	22

Total Students in Report: 6,896

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

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	4,032	76	21.4	60	22.7	60	22.4	41	22.4	33	22.3
	Less than Core	2,546	47	17.2	24	18.7	32	18.4	14	18.9	8	18.4
	Missing ³	318	40	16.4	30	19.0	31	18.0	17	18.7	12	18.2
National	Core or More	1,259,744	72	21.3	51	21.8	57	22.0	35	21.6	29	21.8
	Less than Core	355,849	51	18.3	29	19.1	38	19.4	19	19.1	14	19.1
	Missing	50,424	38	16.2	22	18.1	27	17.6	14	17.8	10	17.6

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	6,062	66	19.9	5,549	53	21.9	6,050	51	21.1	4,898	37	21.9
	Less than Core	605	50	17.6	1,067	8	16.8	615	26	17.4	1,736	11	18.5
	Missing ³	229	45	17.1	280	31	19.0	231	37	18.9	262	21	19.4
National	Core or More	1,558,562	68	20.8	1,550,768	48	21.4	1,471,658	54	21.6	1,425,217	33	21.4
	Less than Core	64,748	41	16.5	69,741	8	16.6	149,266	40	19.7	194,661	13	18.4
	Missing	42,707	40	16.5	45,508	22	18.2	45,093	29	17.8	46,139	14	17.9

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.

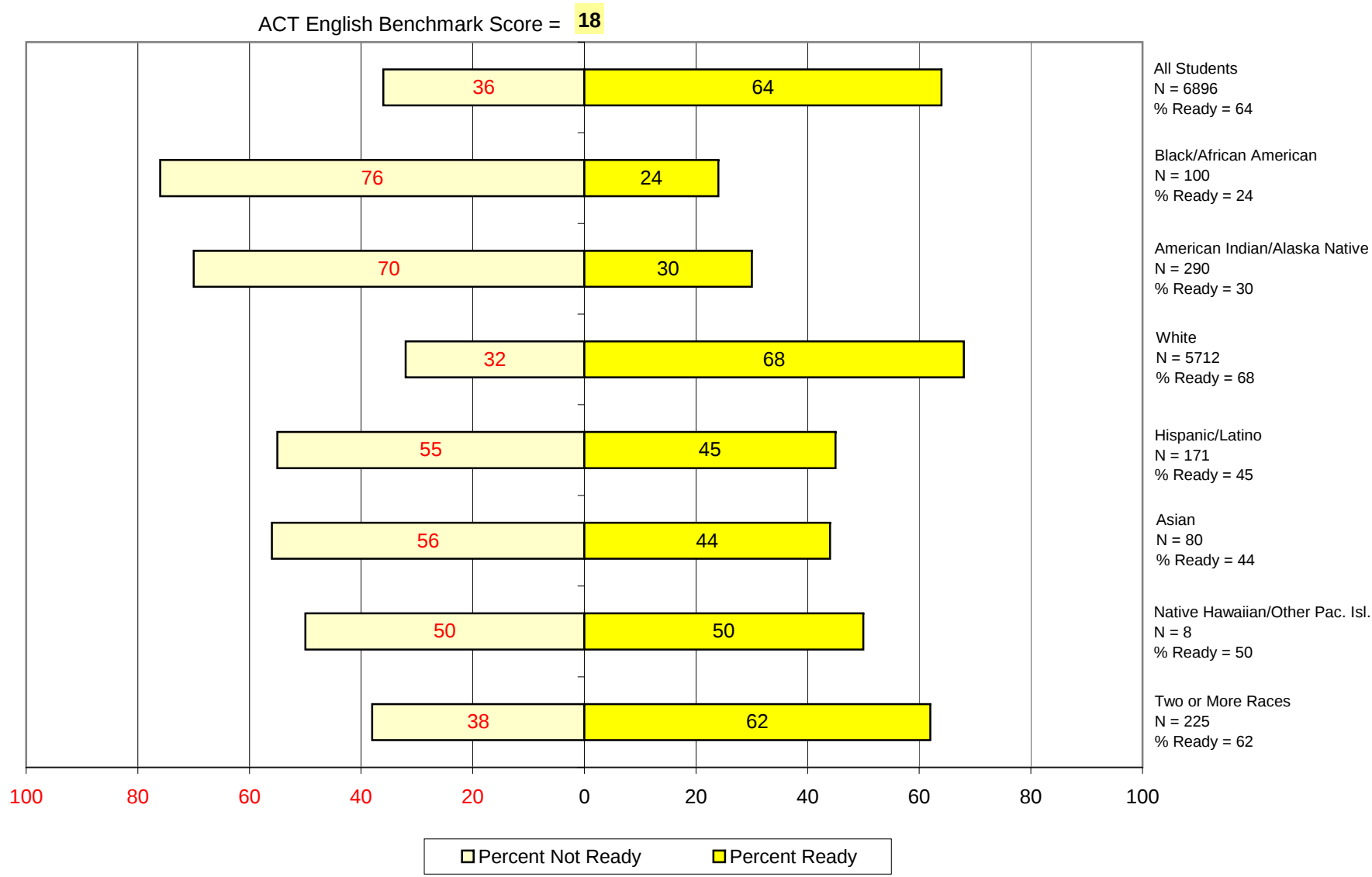
Section III

College Readiness and the Impact of Course Rigor

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 6,896

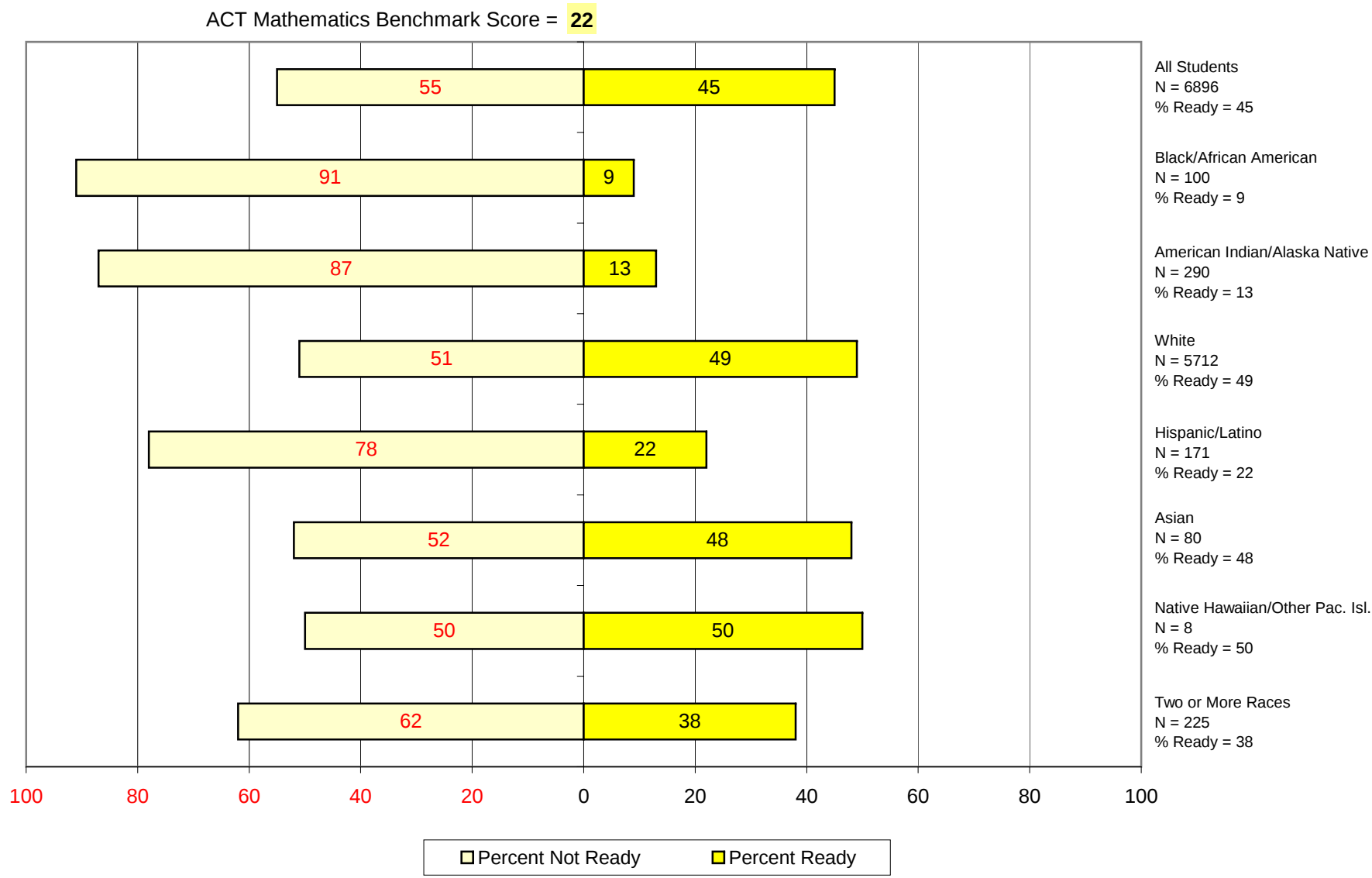
Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ENGLISH



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 6,896

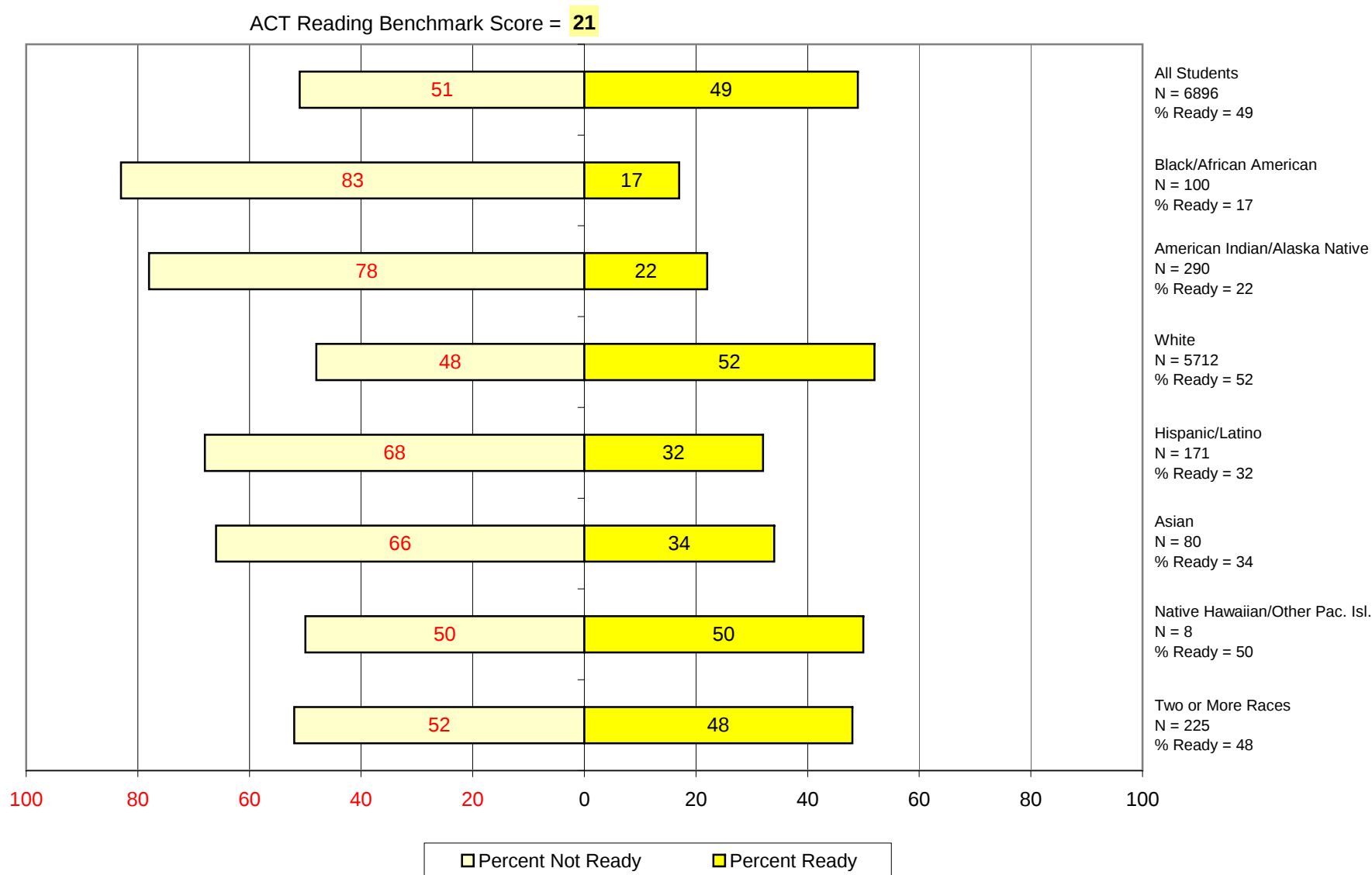
Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: MATHEMATICS



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 6,896

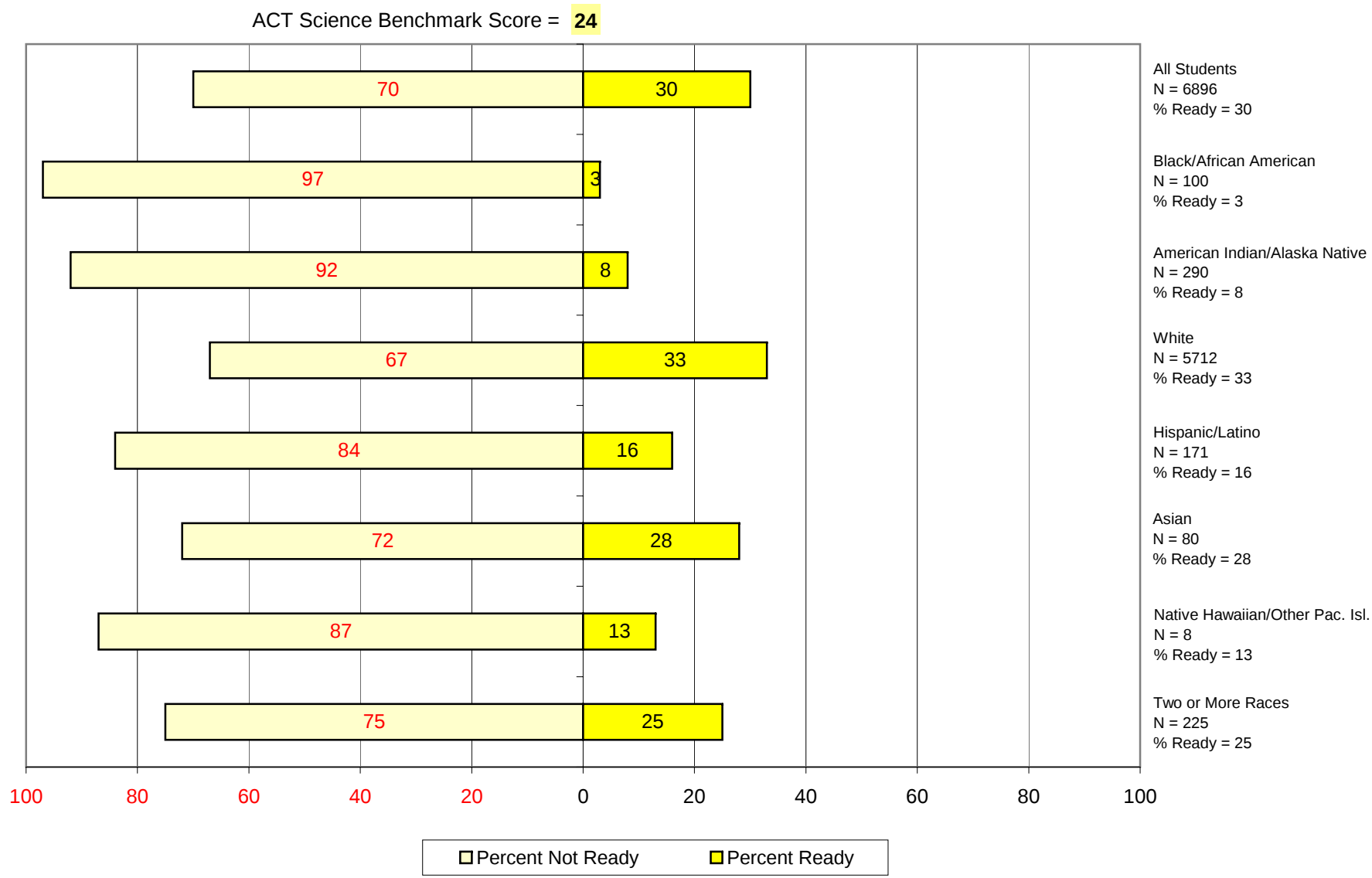
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: READING



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 6,896

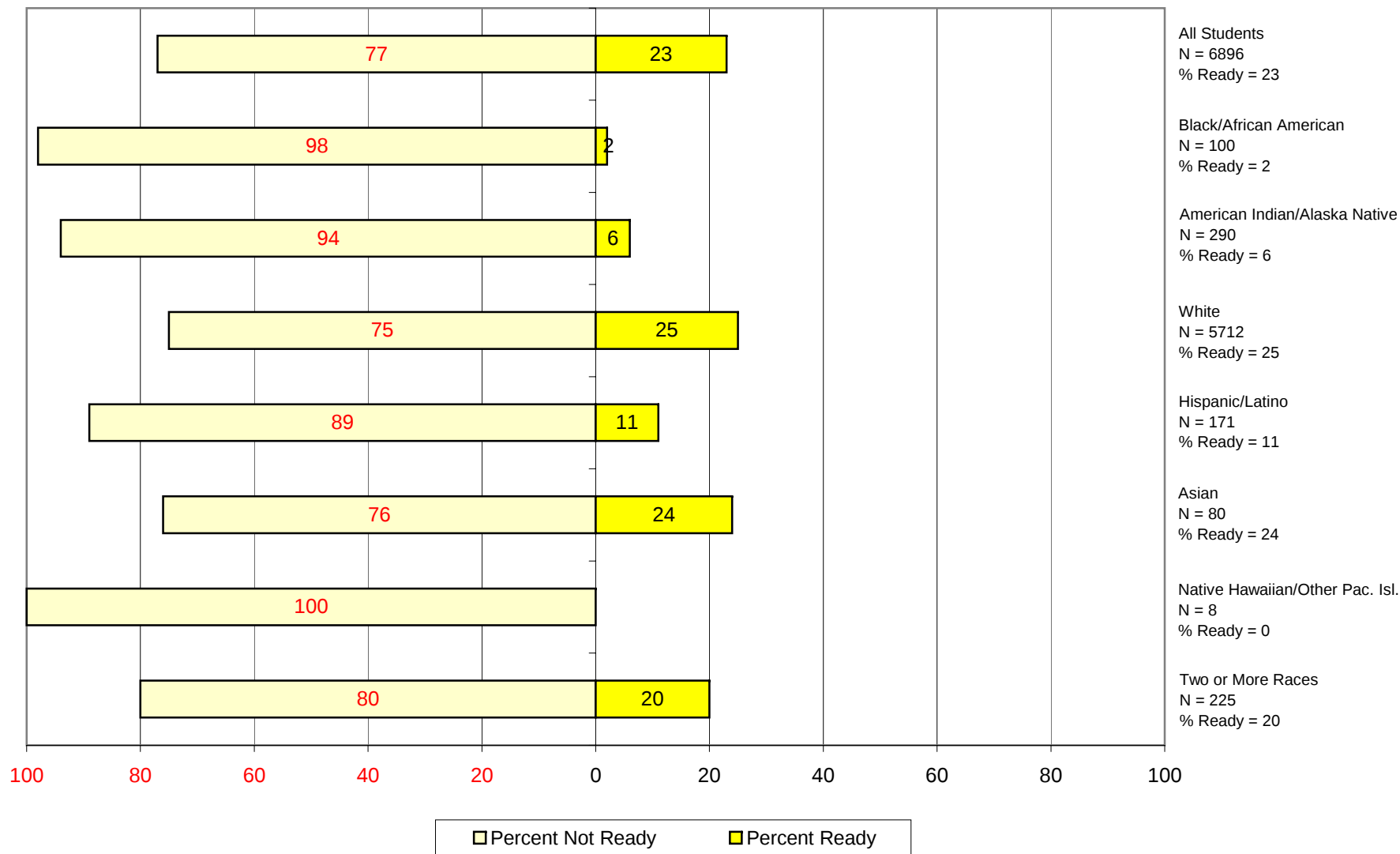
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: SCIENCE



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 6,896

Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ALL FOUR



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 6,896

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	1,786	26	21.2	3.6	754	22	20.7	3.8	1,026	30	21.6	3.1
Eng 9, Eng 10, Eng 11, Eng 12	4,276	62	19.4	1.8	2,222	65	18.8	1.9	2,051	59	20.1	1.6
Less than 4 years of English	605	9	17.6	-	320	9	16.9	-	280	8	18.5	-
Zero years / no English courses reported	229	3	17.1	-	114	3	16.2	-	114	3	18.0	-
MATHEMATICS COURSE PATTERN												
	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹
Alg 1, Alg 2, Geom, Trig, & Calc	131	2	25.2	8.4	57	2	25.4	8.3	74	2	25.1	8.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	481	7	23.9	7.1	194	6	25.0	7.9	287	8	23.2	6.7
Alg 1, Alg 2, Geom, & Trig	235	3	21.5	4.7	125	4	22.1	5.0	109	3	20.8	4.3
Alg 1, Alg 2, Geom, & Other Adv Math	1,598	23	22.5	5.7	706	21	23.0	5.9	889	26	22.1	5.6
Other comb of 4 or more years of Math	1,041	15	25.3	8.5	568	17	26.0	8.9	472	14	24.5	8.0
Alg 1, Alg 2, & Geom	1,791	26	18.9	2.1	860	25	19.4	2.3	926	27	18.4	1.9
Other comb of 3 or 3.5 years of Math	272	4	21.2	4.4	140	4	21.8	4.7	132	4	20.5	4.0
Less than 3 years of Math	1,067	15	16.8	-	624	18	17.1	-	442	13	16.5	-
Zero years / no Math courses reported	280	4	19.0	-	136	4	19.3	-	140	4	18.8	-
SOCIAL SCIENCE COURSE PATTERN												
	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹
US Hist, World Hist, Am Gov, & Other Hist	192	3	20.2	2.8	106	3	19.7	2.7	84	2	20.9	2.8
Other comb of 4 or more years Social Science	3,395	49	21.9	4.5	1,535	45	21.7	4.7	1,859	54	22.0	3.9
US Hist, World Hist, & Am Gov	426	6	19.3	1.9	240	7	19.1	2.1	183	5	19.5	1.4
Other comb of 3 or 3.5 years of Social Science	2,037	30	20.4	3.0	1,026	30	19.8	2.8	1,005	29	21.0	2.9
Less than 3 years of Social Science	615	9	17.4	-	388	11	17.0	-	225	6	18.1	-
Zero years / no Social Science courses reported	231	3	18.9	-	115	3	18.2	-	115	3	19.5	-
NATURAL SCIENCE COURSE PATTERN												
	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹
Gen Sci ² , Bio, Chem, & Phys	1,687	24	23.1	4.6	928	27	23.9	5.6	757	22	22.2	3.5
Bio, Chem, Phys	23	0	22.4	3.9	15	0	22.3	4.0	8	0	22.6	3.9
Gen Sci ² , Bio, Chem	2,909	42	21.2	2.7	1,257	37	21.6	3.3	1,645	47	21.0	2.3
Other comb of 3 years of Natural Science	279	4	20.8	2.3	180	5	21.2	2.9	98	3	20.3	1.6
Less than 3 years of Natural Science	1,736	25	18.5	-	900	26	18.3	-	832	24	18.7	-
Zero years / no Natural Science courses reported	262	4	19.4	-	130	4	19.6	-	131	4	19.1	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took

less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 6,896

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	1,786	26	21.2	74	380,162	23	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	4,276	62	19.4	62	1,178,400	71	20.5	67
Less than 4 years of English	605	9	17.6	50	64,748	4	16.5	41
Zero years / no English courses reported	229	3	17.1	45	42,707	3	16.5	40
MATHEMATICS COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	131	2	25.2	78	108,668	7	24.0	69
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	481	7	23.9	75	151,050	9	22.0	58
Alg 1, Alg 2, Geom, & Trig	235	3	21.5	53	115,739	7	19.6	34
Alg 1, Alg 2, Geom, & Other Adv Math	1,598	23	22.5	62	279,658	17	19.9	36
Other comb of 4 or more years of Math	1,041	15	25.3	81	585,086	35	23.6	66
Alg 1, Alg 2, & Geom	1,791	26	18.9	24	228,058	14	17.3	12
Other comb of 3 or 3.5 years of Math	272	4	21.2	47	82,509	5	19.9	35
Less than 3 years of Math	1,067	15	16.8	8	69,741	4	16.6	8
Zero years / no Math courses reported	280	4	19.0	31	45,508	3	18.2	22
SOCIAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	192	3	20.2	44	47,179	3	22.3	59
Other comb of 4 or more years Social Science	3,395	49	21.9	57	887,744	53	21.9	56
US Hist, World Hist, & Am Gov	426	6	19.3	37	84,563	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	2,037	30	20.4	46	452,172	27	21.2	51
Less than 3 years of Social Science	615	9	17.4	26	149,266	9	19.7	40
Zero years / no Social Science courses reported	231	3	18.9	37	45,093	3	17.8	29
NATURAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	1,687	24	23.1	49	740,499	44	21.9	39
Bio, Chem, Phys	23	0	22.4	48	171,734	10	23.0	47
Gen Sci ¹ , Bio, Chem	2,909	42	21.2	30	466,992	28	20.0	22
Other comb of 3 years of Natural Science	279	4	20.8	31	45,992	3	19.5	20
Less than 3 years of Natural Science	1,736	25	18.5	11	194,661	12	18.4	13
Zero years / no Natural Science courses reported	262	4	19.4	21	46,139	3	17.9	14

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories.

Therefore, trend data may not be present where direct conversions are not available.

Tables within this section have been changed to reflect the updated Educational Major categories implemented by ACT in the fall of 2010.

Total Students in Report: 6,896

Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans

Planned Educational Major ¹	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ²	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp
Agriculture & Natural Resources Conservation	286	4	19.5	92	9	17.7	182	4	20.5
Architecture	80	1	21.3	14	1	19.6	62	1	21.9
Area, Ethnic, & Multidisciplinary Studies	3	0	14.0	2	0	13.5	1	0	15.0
Arts: Visual & Performing	389	6	20.5	65	6	17.0	298	6	21.6
Business	400	6	21.3	50	5	18.2	336	7	21.9
Communications	76	1	22.0	9	1	17.8	66	1	22.5
Community, Family, & Personal Services	338	5	18.5	103	10	17.0	209	4	19.3
Computer Science & Mathematics	169	2	22.4	27	3	18.3	129	3	23.5
Education	474	7	21.1	17	2	17.2	442	9	21.3
Engineering	408	6	22.9	57	6	17.8	341	7	23.8
Engineering Technology & Drafting	115	2	19.6	37	4	17.0	73	1	21.2
English & Foreign Languages	77	1	22.6	3	0	15.3	67	1	23.1
Health Administration & Assisting	92	1	19.2	18	2	17.9	68	1	19.8
Health Sciences & Technologies	1,333	19	21.4	77	7	17.6	1,204	24	21.8
Philosophy, Religion, & Theology	34	0	22.0	3	0	15.0	29	1	22.4
Repair, Production, & Construction	349	5	18.0	230	22	17.7	98	2	19.4
Sciences: Biological & Physical	264	4	23.8	6	1	19.3	253	5	23.9
Social Sciences & Law	394	6	21.7	22	2	18.0	356	7	22.0
Undecided	892	13	20.5	144	14	17.2	637	13	21.7
No Response	704	10	18.5	50	5	15.0	65	1	18.2

¹Refer to the section header on page 25 for a description of educational major changes.

²2-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.

³Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 6,896

Table 4.2. Average ACT Composite Scores for Racial/Ethnic¹ Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Black/African American		American Indian/ Alaska Native		White		Hispanic/Latino	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	201	17.0	5	13.0	9	15.6	163	17.3	5	18.6
2-yr College Degree	831	17.5	6	15.2	44	15.2	690	17.8	23	15.4
Bachelors Degree	3,168	21.0	38	15.4	113	16.8	2,707	21.4	67	18.2
Graduate Study	674	22.8	13	15.6	26	17.5	567	23.4	16	20.9
Prof. Level Degree	1,085	23.3	12	20.3	59	18.3	861	23.9	29	20.9
Other	214	17.4	3	14.7	12	14.8	162	17.8	10	15.5
No Response	723	19.2	23	14.3	27	16.7	562	19.8	21	16.4

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Other Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	201	17.0	2	13.5	0	.	8	16.5	9	15.3
2-yr College Degree	831	17.5	5	14.8	0	.	21	15.8	42	17.4
Bachelors Degree	3,168	21.0	20	20.9	2	19.0	103	20.4	118	19.7
Graduate Study	674	22.8	8	19.6	2	23.0	14	22.9	28	22.4
Prof. Level Degree	1,085	23.3	23	23.0	3	19.7	46	21.8	52	21.6
Other	214	17.4	5	16.4	0	.	4	16.0	18	17.6
No Response	723	19.2	17	15.0	1	17.0	29	20.8	43	18.5

¹Refer to the section header on page 25 for a description of race/ethnicity changes.

Total Students in Report: 6,896

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	2,692	1,025	1,667	1	7	25	32	25	9	0
UNIVERSITY OF NORTH DAKOTA	North Dakota	2,536	923	1,613	1	7	27	32	24	9	0
BISMARCK STATE COLLEGE	North Dakota	1,399	696	703	3	15	37	31	12	3	0
NORTH DAKOTA STATE COLLEGE OF SCIENCE	North Dakota	904	364	540	3	17	39	28	11	2	0
MINOT STATE UNIVERSITY	North Dakota	898	310	588	2	13	32	29	19	4	0
UNIVERSITY OF MARY	North Dakota	623	133	490	1	6	26	35	26	6	0
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	476	103	373	0	5	28	36	23	7	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	476	476	0	5	23	31	22	14	3	2
VALLEY CITY STATE UNIVERSITY	North Dakota	458	114	344	2	9	36	31	16	5	0
UNIVERSITY OF MINNESOTA-TWIN CITIES	Minnesota	450	110	340	1	3	10	25	37	23	2
DICKINSON STATE UNIVERSITY	North Dakota	374	108	266	2	13	33	30	17	4	0
JAMESTOWN COLLEGE	North Dakota	324	71	253	2	9	28	36	19	6	0
WILLISTON STATE COLLEGE	North Dakota	265	146	119	4	12	42	28	12	2	0
MAYVILLE STATE UNIVERSITY	North Dakota	244	56	188	2	13	37	30	16	2	0
LAKE REGION STATE COLLEGE	North Dakota	241	85	156	4	26	38	20	10	2	0
CONCORDIA COLLEGE-MOORHEAD	Minnesota	240	50	190	0	3	18	26	33	18	2
NORTHLAND COMM & TECH COLL-E GRAND FRKS	Minnesota	197	70	127	4	21	41	28	7	0	0
DAKOTA COLLEGE AT BOTTINEAU	North Dakota	148	40	108	7	22	41	20	7	1	0
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	132	32	100	0	4	14	31	38	13	0
MINN ST COMM & TECH COLL-MOORHEAD	Minnesota	126	43	83	9	24	33	23	9	3	0
STATE-NO COLLEGE PLANS	Iowa	114	114	0	11	32	39	10	6	1	0
NCAA ELIGIBILITY CENTER	Indiana	92	33	59	0	5	16	30	36	11	1
BEMIDJI STATE UNIVERSITY	Minnesota	86	19	67	0	8	28	34	27	3	0
MEDCENTER ONE COLLEGE OF NURSING	North Dakota	83	9	74	1	20	42	30	6	0	0
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	79	21	58	1	4	20	29	33	13	0
TURTLE MOUNTAIN COMMUNITY COLLEGE	North Dakota	78	37	41	13	26	42	12	6	1	0
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	76	8	68	0	1	25	43	24	7	0
ARIZONA STATE UNIVERSITY	Arizona	73	20	53	1	7	36	32	16	8	0
UNIV OF MINNESOTA-CROOKSTON	Minnesota	73	13	60	3	8	32	32	22	4	0
NORTHERN STATE UNIVERSITY	South Dakota	71	23	48	0	4	30	37	23	7	0
All Other Institutions		3,729	826	2,903	2	10	22	27	22	14	2
Total		17,757	6,078	11,679	2	11	28	29	21	8	1

Section V

Optional Writing Test Results

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 6,896

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity¹ and Gender for students who took ACT Writing

	N		Average ACT Scores					
	State	National	English		Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	734	931,148	24.3	21.5	7.0	7.1	22.7	20.7
Black/African American	7	113,247	17.9	16.6	7.7	6.2	18.6	16.4
American Indian/Alaska Native	16	5,233	19.1	17.8	6.9	6.5	18.9	17.5
White	633	518,974	24.5	23.2	7.0	7.2	22.9	22.1
Hispanic/Latino	18	150,249	22.8	18.5	6.9	6.8	21.7	18.3
Asian	15	53,381	24.2	23.7	7.1	7.6	22.7	22.8
Native Hawaiian/Other Pac. Isl.	2	2,851	18.0	19.9	7.5	7.1	18.5	19.6
Two or more races	24	32,346	23.6	21.9	6.8	7.1	22.0	21.1
Prefer not/No Response	19	54,867	25.4	21.8	7.1	7.1	23.6	21.0
Males	311	413,617	23.9	21.2	6.8	6.8	22.3	20.3
Females	423	515,745	24.6	21.7	7.1	7.2	23.0	21.1
Missing	0	1,786	.	16.8	.	6.3	.	16.6

¹Refer to the section header on page 29 for a description of race/ethnicity changes.

