

ACT Profile Report - State

Graduating Class 2009
North Dakota



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This report provides information about the performance of your 2009 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 2009 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.

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.

Total Students in Report: 5,791

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

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: 5,791 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. 67% 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, 7% were college ready. 24% of the cohort reported taking the minimum math core (Algebra I, Algebra II, and Geometry). 25% of these students were college ready. In comparison, 64% of the students who advanced beyond minimum math 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 21% 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 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.

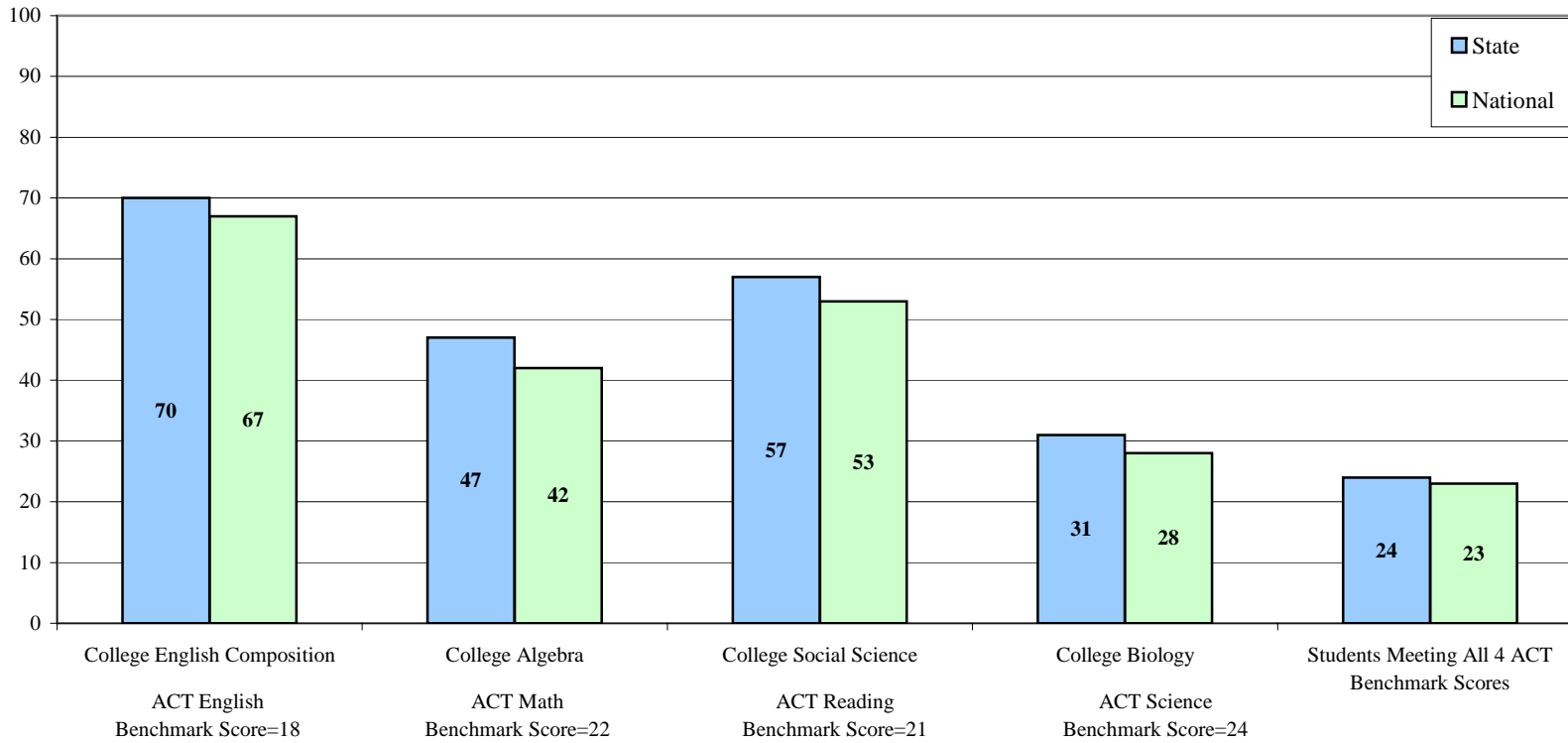
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS: Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 916-631-9200.

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: 5,791

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
2005	6,562	1,186,251	69	68	45	41	52	51	29	26	23	21
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

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
2005	6,562	1,186,251	20.4	20.4	21.2	20.7	21.4	21.3	21.5	20.9	21.3	20.9
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

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

Total Students in Report: 5,791

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
2005	3,814	2,385	58	36	22.0	17.9	22.7	18.9	22.7	19.4	22.8	19.7	22.7	19.1
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

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

	2005			2006			2007			2008			2009		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	6,562	100	21.3	6,335	100	21.4	6,326	100	21.6	6,113	100	21.6	5,791	100	21.5
African American/Black	33	1	17.6	33	1	19.6	32	1	18.4	51	1	18.0	54	1	18.8
American Indian/Alaska Native	251	4	17.5	224	4	17.4	242	4	17.1	220	4	17.0	230	4	17.8
Caucasian American/White	5,854	89	21.5	5,544	88	21.5	5,380	85	21.8	5,419	89	21.8	5,181	89	21.7
Hispanic	52	1	19.1	45	1	20.2	47	1	20.5	45	1	19.2	47	1	20.3
Asian American/Pacific Islander	51	1	21.5	55	1	22.8	43	1	21.5	40	1	24.0	43	1	21.2
Other/No Response	321	5	21.0	434	7	21.3	582	9	21.7	338	6	21.3	236	4	21.3

Section II

Academic Achievement

Total Students in Report: 5,791

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	13	100	4	100	36	100	7	100	1	100	36
35	30	100	20	100	26	99	17	100	4	100	35
34	56	99	39	100	59	99	28	100	15	100	34
33	45	98	55	99	108	98	39	99	26	100	33
32	71	98	56	98	82	96	27	98	58	99	32
31	75	96	62	97	142	95	61	98	72	98	31
30	104	95	59	96	186	92	80	97	110	97	30
29	113	93	156	95	194	89	112	96	138	95	29
28	166	91	190	92	177	86	134	94	171	93	28
27	158	88	246	89	236	83	167	91	221	90	27
26	228	86	378	85	228	78	267	88	274	86	26
25	297	82	370	78	221	75	498	84	353	81	25
24	285	77	381	72	324	71	363	75	407	75	24
23	376	72	395	65	380	65	500	69	417	68	23
22	411	65	289	58	370	59	509	60	463	61	22
21	508	58	374	53	538	52	538	51	541	53	21
20	455	49	373	47	380	43	703	42	500	44	20
19	350	41	411	40	420	36	532	30	475	35	19
18	322	35	443	33	272	29	357	21	459	27	18
17	290	30	530	26	342	24	186	15	352	19	17
16	358	25	530	17	316	18	214	12	263	13	16
15	365	19	289	7	245	13	127	8	197	8	15
14	185	12	101	2	231	9	107	6	134	5	14
13	152	9	33	1	146	5	77	4	81	2	13
12	124	7	5	1	61	2	68	2	47	1	12
11	90	4	2	1	42	1	37	1	8	1	11
10	76	3	0	1	14	1	19	1	4	1	10
9	56	2	0	1	9	1	11	1	0	1	9
8	19	1	0	1	1	1	5	1	0	1	8
7	9	1	0	1	4	1	1	1	0	1	7
6	3	1	0	1	0	1	0	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 (5.5)		21.5 (4.7)		21.8 (5.6)		21.6 (4.4)		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: 5,791

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	148	100	42	100	134	100	178	100	176	100	34	100	37	100	18
17	169	97	30	99	217	98	176	97	311	97	40	99	18	99	17
16	219	95	260	99	274	94	386	94	291	92	139	99	170	99	16
15	283	91	312	94	423	89	460	87	346	87	173	96	276	96	15
14	271	86	372	89	359	82	493	79	447	81	566	93	479	91	14
13	404	81	480	82	563	76	310	71	496	73	463	84	831	83	13
12	466	74	759	74	588	66	542	65	653	64	724	76	561	69	12
11	548	66	681	61	573	56	650	56	588	53	706	63	852	59	11
10	783	57	833	49	727	46	537	45	585	43	1,155	51	825	44	10
9	682	43	672	35	732	33	454	36	510	33	747	31	678	30	9
8	510	31	543	23	503	21	583	28	674	24	516	18	494	18	8
7	467	23	367	14	392	12	362	18	476	12	223	9	205	10	7
6	347	15	190	8	155	5	286	11	170	4	127	5	156	6	6
5	261	9	129	4	81	3	251	6	43	1	115	3	107	4	5
4	163	4	87	2	39	1	70	2	19	1	39	1	56	2	4
3	53	1	25	1	22	1	39	1	4	1	20	1	35	1	3
2	14	1	9	1	5	1	13	1	2	1	3	1	7	1	2
1	3	1	0	1	4	1	1	1	0	1	1	1	4	1	1
Avg (SD)	10.3 (3.5)		10.6 (2.9)		11.2 (3.2)		11.0 (3.6)		11.4 (3.3)		10.7 (2.6)		10.9 (2.8)		Avg (SD)

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

Table 2.3. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	24	25	26	24	24
Q2 (50th Percentile)	21	21	21	21	21
Q1 (25th Percentile)	17	17	18	19	18

Total Students in Report: 5,791

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	5,791	67	22.6	19.3
	African American/Black	54	76	20.0	15.1
	American Indian/Alaska Native	230	56	18.7	16.6
	Caucasian American/White	5,181	68	22.8	19.6
	Hispanic	47	62	21.4	18.3
	Asian American/Pacific Islander	43	70	23.3	16.9
	Other/No Response	236	59	23.1	18.7
National	All Students	1,480,469	70	22.0	19.1
	African American/Black	196,149	64	17.6	15.9
	American Indian/Alaska Native	15,773	59	20.1	17.4
	Caucasian American/White	941,206	73	23.0	20.1
	Hispanic	133,569	67	19.6	17.3
	Asian American/Pacific Islander	59,093	80	23.7	21.4
	Other/No Response	134,679	63	22.2	19.0

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	21.5	21.8	21.6	21.5
	African American/Black	17.7	18.5	19.2	19.4	18.8
	American Indian/Alaska Native	16.2	17.8	18.1	18.4	17.8
	Caucasian American/White	20.9	21.7	22.0	21.8	21.7
	Hispanic	19.3	20.0	21.1	20.1	20.3
	Asian American/Pacific Islander	19.6	23.1	20.6	21.0	21.2
	Other/No Response	20.6	21.0	22.0	21.0	21.3
National	All Students	20.6	21.0	21.4	20.9	21.1
	African American/Black	16.0	17.1	16.9	17.2	16.9
	American Indian/Alaska Native	17.9	18.7	19.4	19.1	18.9
	Caucasian American/White	21.9	21.9	22.6	21.9	22.2
	Hispanic	17.7	19.1	18.9	18.8	18.7
	Asian American/Pacific Islander	22.6	24.5	22.7	22.7	23.2
	Other/No Response	20.4	21.0	21.3	20.7	20.9

Total Students in Report: 5,791

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	144	2	118	2	229	4	91	2
	28 to 32	529	9	523	9	781	13	414	7
	24 to 27	968	17	1,375	24	1,009	17	1,295	22
	20 to 23	1,750	30	1,431	25	1,668	29	2,250	39
	16 to 19	1,320	23	1,914	33	1,350	23	1,289	22
	13 to 15	702	12	423	7	622	11	311	5
	01 to 12	378	7	7	0	132	2	141	2
National	33 to 36	60,269	4	45,198	3	74,801	5	26,524	2
	28 to 32	154,245	10	139,060	9	205,090	14	104,787	7
	24 to 27	251,396	17	293,477	20	226,630	15	287,693	19
	20 to 23	376,203	25	300,212	20	361,756	24	492,815	33
	16 to 19	303,385	20	495,592	33	334,831	23	367,167	25
	13 to 15	179,194	12	198,214	13	195,336	13	131,197	9
	01 to 12	155,777	11	8,716	1	82,025	6	70,286	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	2,779	48	19.9	22.0	21.6	22.0	21.5
	Females	3,005	52	21.3	21.0	22.0	21.2	21.5
	Missing	7	0	16.4	19.7	17.7	20.0	18.6
National	Males	668,165	45	20.2	21.6	21.3	21.4	21.3
	Females	808,097	55	20.9	20.4	21.4	20.4	20.9
	Missing	4,207	0	20.3	21.2	21.5	20.8	21.1

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	65	51	56	36	27
	Females	75	43	58	27	21
National	Males	65	47	52	33	27
	Females	69	38	53	24	20

Total Students in Report: 5,791

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 % ³	Avg
State	Core or More ²	3,890	79	21.9	57	22.7	65	22.9	39	22.6	31	22.6
	Less than Core	1,761	52	18.2	26	19.2	42	19.7	16	19.7	10	19.3
	Missing	140	41	16.4	18	18.1	32	18.0	10	18.3	6	17.9
National	Core or More	1,039,502	75	21.7	50	21.9	59	22.3	34	21.7	28	22.0
	Less than Core	391,458	52	18.3	25	18.9	38	19.4	16	19.2	12	19.1
	Missing	49,509	35	15.9	16	17.5	25	17.3	10	17.6	7	17.2

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.

³Composite 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	5,454	71	20.8	4,984	53	22.2	5,305	58	22.0	4,492	37	22.3
	Less than Core	246	58	19.3	681	8	17.1	391	46	20.2	1,198	12	18.9
	Missing	91	55	17.9	126	19	18.2	95	40	19.1	101	14	19.3
National	Core or More	1,367,549	70	20.9	1,334,313	46	21.4	1,287,169	55	21.7	1,206,541	32	21.5
	Less than Core	73,276	42	16.8	101,413	7	16.5	151,264	41	19.7	230,683	12	18.4
	Missing	39,644	37	16.1	44,743	17	17.5	42,036	26	17.5	43,245	11	17.7

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

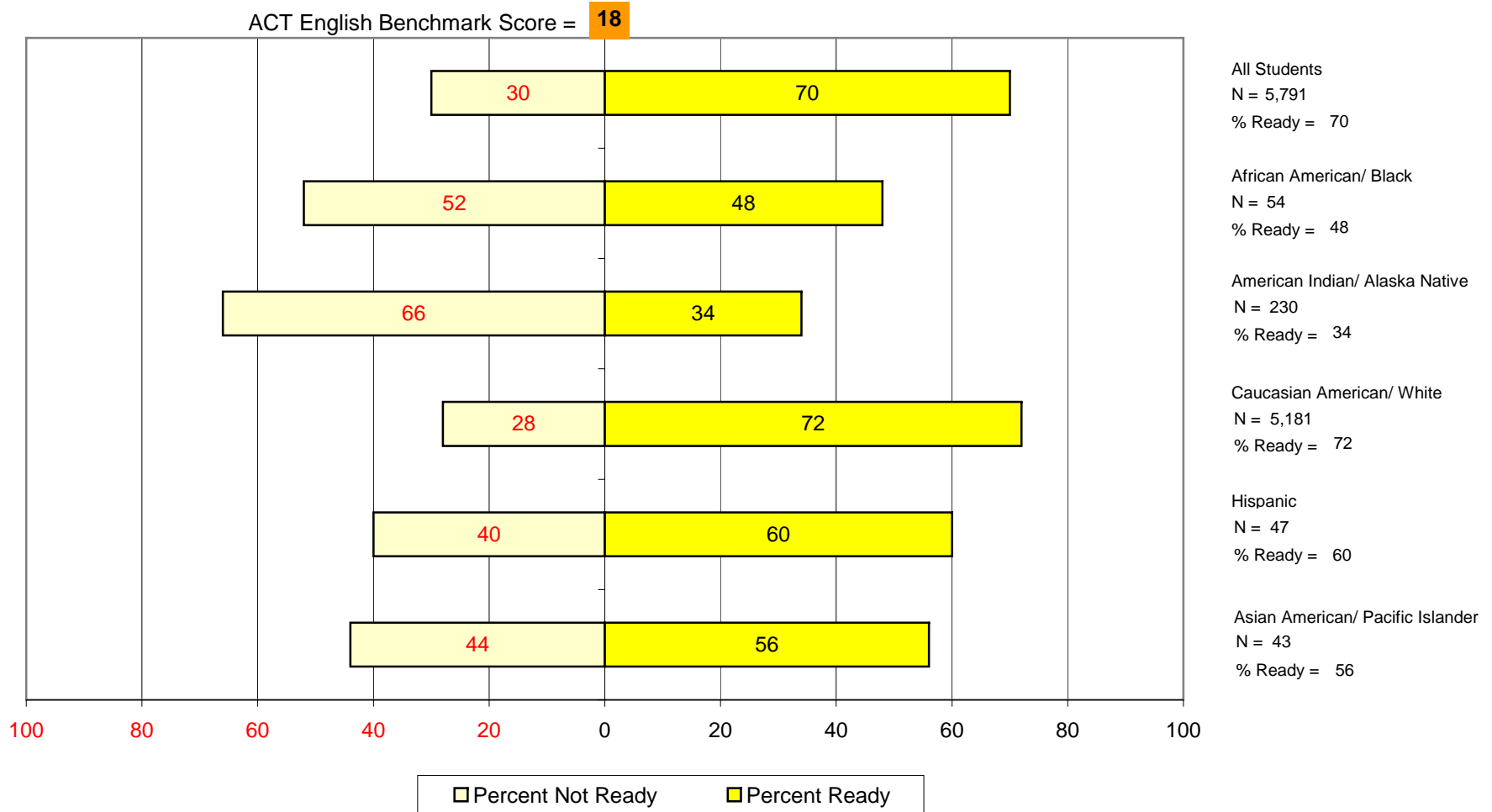
For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

Section III

College Readiness and the Impact of Course Rigor

Total Students in Report: 5,791

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



Total Students in Report: 5,791

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

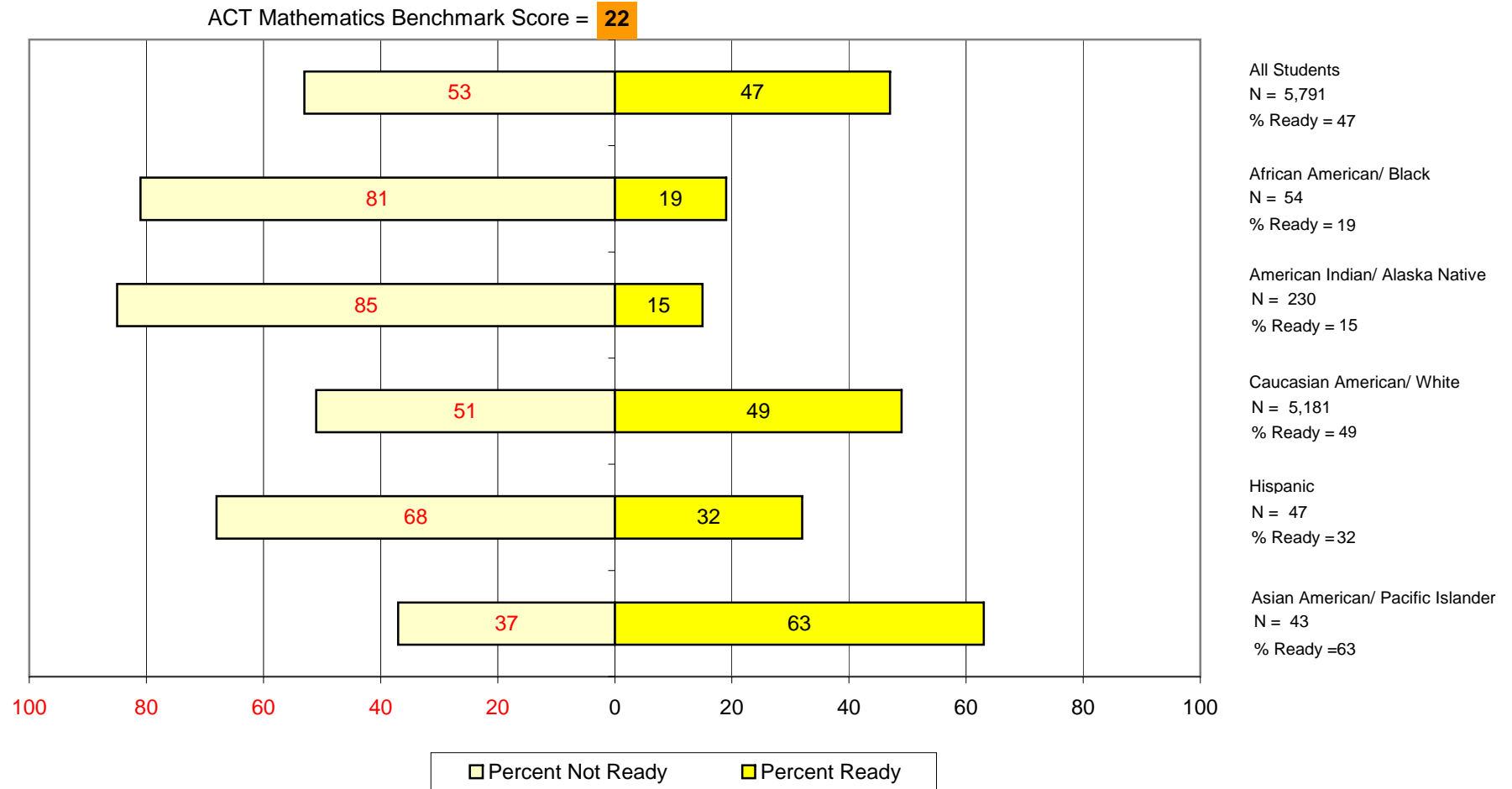
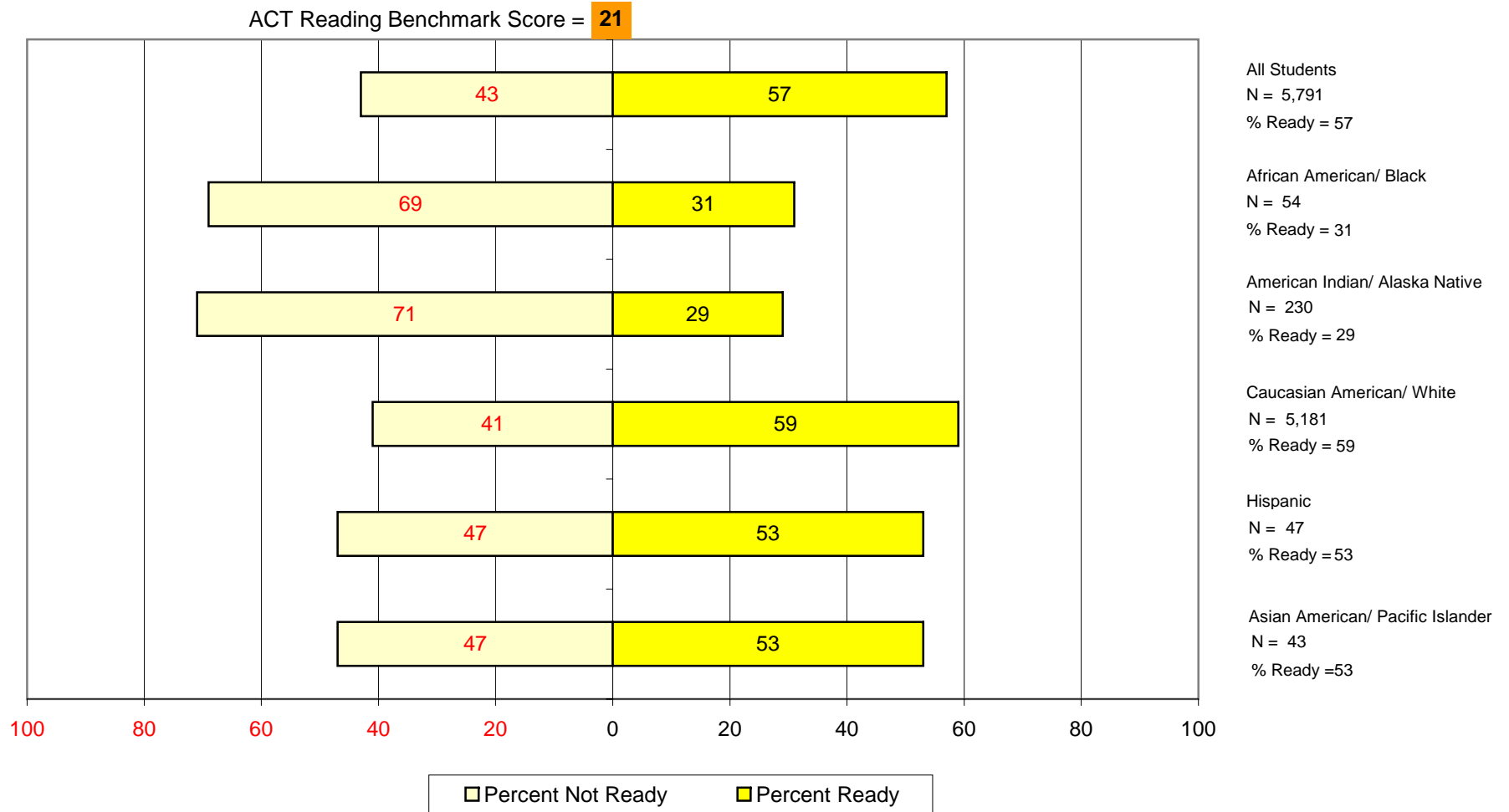


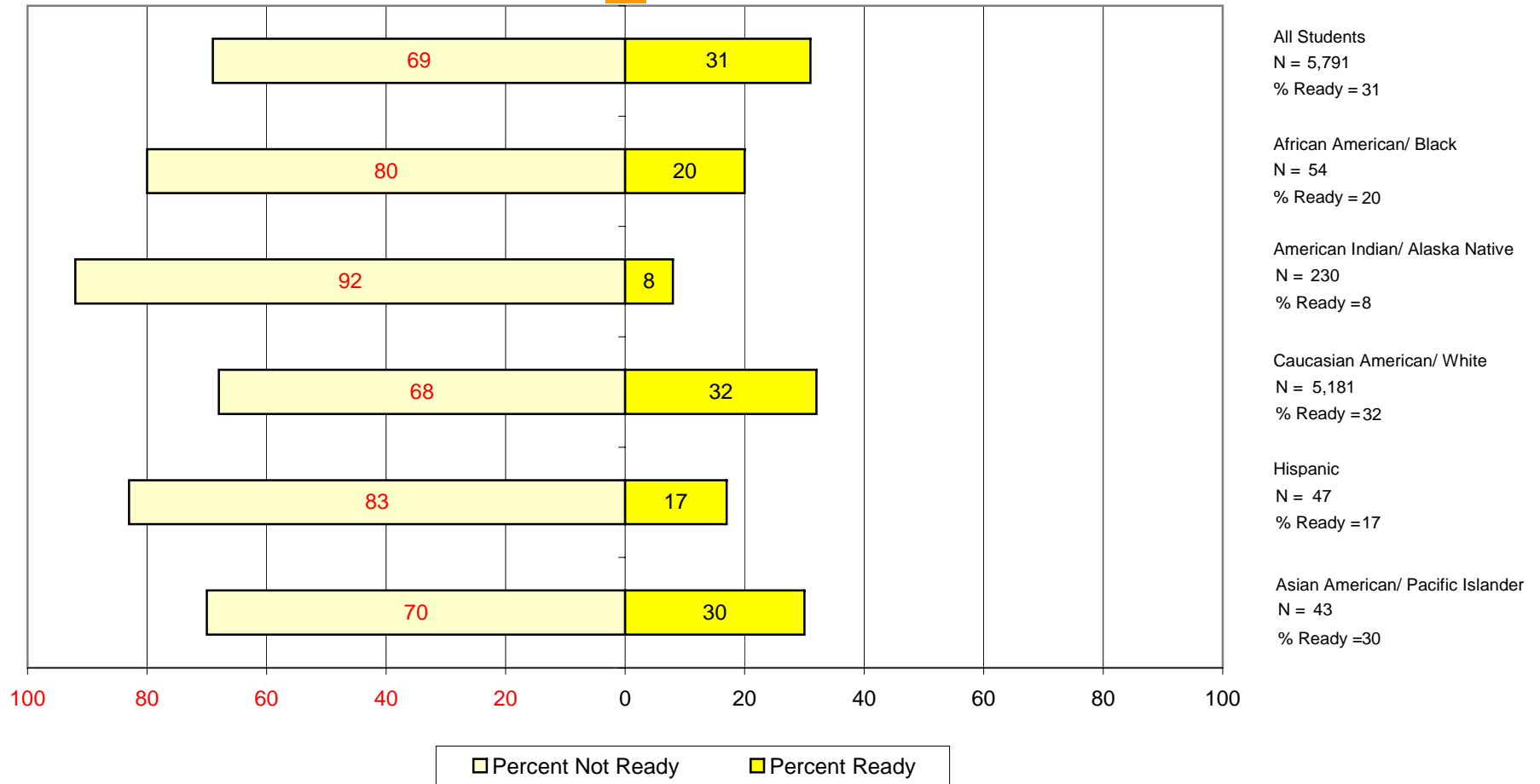
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



Total Students in Report: 5,791

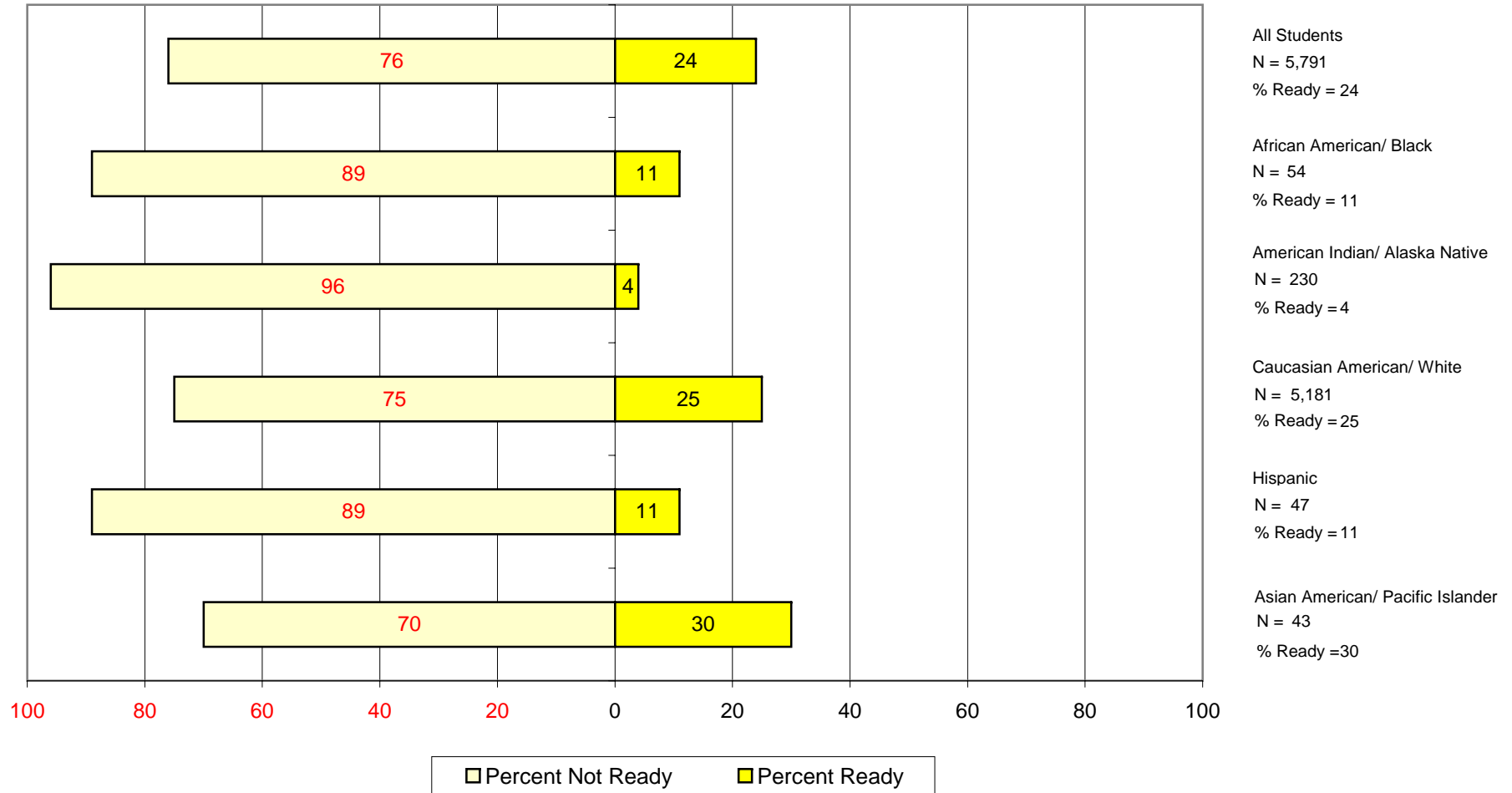
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24



Total Students in Report: 5,791

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



Total Students in Report: 5,791

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	1,570	27	21.8	2.5	655	24	21.1	2.7	913	30	22.3	2.1
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	3,884	67	20.3	1.0	1,949	70	19.7	1.3	1,932	64	21.0	0.8
Less than 4 years of English	247	4	19.3	-	125	4	18.4	-	120	4	20.2	-
No English course/grade information reported	90	2	17.9	-	50	2	16.5	-	40	1	19.7	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	158	3	25.2	8.2	79	3	26.0	8.8	79	3	24.4	7.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	433	7	23.6	6.6	170	6	24.7	7.5	263	9	23.0	6.2
Alg 1, Alg 2, Geom, & Trig	266	5	22.4	5.4	126	5	23.0	5.8	140	5	21.9	5.1
Alg 1, Alg 2, Geom, & Other Adv Math	1,293	22	22.1	5.1	525	19	23.0	5.8	768	26	21.5	4.7
Other comb of 4 or more years of Math	1,159	20	24.9	7.9	654	24	25.4	8.2	504	17	24.2	7.4
Alg 1, Alg 2, & Geom (Min. Core)	1,414	24	19.3	2.3	642	23	19.7	2.5	770	26	18.9	2.1
Other comb of 3 or 3.5 years of Math	261	5	21.5	4.5	131	5	21.2	4.0	129	4	21.8	5.0
Less than 3 years of Math	708	12	17.0	-	397	14	17.2	-	308	10	16.8	-
No Math course/grade information reported	99	2	19.1	-	55	2	19.0	-	44	1	19.2	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	165	3	20.4	0.3	93	3	20.1	0.5	72	2	20.8	-0.1
Other comb of 4 or more years Social Science	2,705	47	22.2	2.1	1,251	45	22.1	2.5	1,450	48	22.3	1.4
US Hist, World Hist, & Am Gov (Min. Core)	475	8	20.8	0.7	256	9	20.4	0.8	219	7	21.3	0.4
Other comb of 3 or 3.5 years of Social Science	1,960	34	22.1	2.0	918	33	22.1	2.5	1,042	35	22.2	1.3
Less than 3 years of Social Science	393	7	20.1	-	210	8	19.6	-	180	6	20.9	-
No Soc Sci course/grade information reported	93	2	19.2	-	51	2	18.5	-	42	1	20.1	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,830	32	23.6	4.7	999	36	24.1	5.0	829	28	23.0	4.3
Bio, Chem, Phys	16	0	24.7	5.8	11	0	24.5	5.4	5	0	25.0	6.3
Gen Sci ² , Bio, Chem (Min. Core)	2,399	41	21.4	2.5	919	33	21.8	2.7	1,478	49	21.2	2.5
Other comb of 3 years of Natural Science	247	4	21.6	2.7	154	6	22.1	3.0	93	3	20.8	2.1
Less than 3 years of Natural Science	1,204	21	18.9	-	643	23	19.1	-	558	19	18.7	-
No Nat Sci course/grade information reported	95	2	19.6	-	53	2	19.6	-	42	1	19.5	-

¹Course value added is defined as the average ACT score change compared to a less than core course sequence.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 5,791

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	1,570	27	21.8	77	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	3,884	67	20.3	68	1,029,431	70	20.6	68
Less than 4 years of English	247	4	19.3	58	74,090	5	16.7	42
No English course/grade information reported	90	2	17.9	54	38,830	3	16.1	37
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	158	3	25.2	80	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	433	7	23.6	68	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	266	5	22.4	59	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	1,293	22	22.1	54	220,868	15	20.1	36
Other comb of 4 or more years of Math	1,159	20	24.9	75	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	1,414	24	19.3	25	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	261	5	21.5	45	70,732	5	20.1	35
Less than 3 years of Math	708	12	17.0	7	105,591	7	16.5	7
No Math course/grade information reported	99	2	19.1	24	40,565	3	17.7	18
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	165	3	20.4	45	46,754	3	22.8	61
Other comb of 4 or more years Social Science	2,705	47	22.2	60	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	475	8	20.8	50	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	1,960	34	22.1	59	420,236	28	21.3	52
Less than 3 years of Social Science	393	7	20.1	45	152,775	10	19.7	40
No Soc Sci course/grade information reported	93	2	19.2	41	40,525	3	17.5	26
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	1,830	32	23.6	49	563,824	38	22.2	39
Bio, Chem, Phys	16	0	24.7	56	141,531	10	23.3	47
Gen Sci ¹ , Bio, Chem (Min. Core)	2,399	41	21.4	28	459,833	31	20.1	21
Other comb of 3 years of Natural Science	247	4	21.6	30	41,353	3	19.8	21
Less than 3 years of Natural Science	1,204	21	18.9	11	233,215	16	18.4	11
No Nat Sci course/grade information reported	95	2	19.6	15	40,713	3	17.7	11

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 5,791

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	200	3	19.4	66	8	17.1	118	3	20.6
Architecture & Environmental Design	121	2	21.4	20	2	17.7	95	2	22.1
Business & Management	415	7	21.4	46	5	18.2	352	8	21.9
Business & Office	36	1	20.5	6	1	22.3	29	1	20.4
Marketing & Distribution	36	1	21.4	0	0	.	33	1	21.9
Communications & Comm. Technologies	82	1	21.6	10	1	18.9	70	2	21.9
Community & Personal Services	150	3	19.2	41	5	17.0	98	2	20.0
Computer & Information Sciences	148	3	22.3	17	2	18.4	122	3	22.7
Cross-Disciplinary Studies	3	0	17.7	2	0	17.5	1	0	18.0
Education	227	4	21.0	13	2	17.2	203	5	21.3
Teacher Education	183	3	21.7	8	1	16.1	165	4	22.2
Engineering	240	4	23.0	24	3	16.5	212	5	23.7
Engineering-Related Technologies	191	3	22.5	45	5	18.4	141	3	23.7
Foreign Languages	34	1	25.7	0	0	.	31	1	25.8
Health Sciences & Allied Health Fields	1,213	21	21.9	105	12	18.5	1,054	23	22.3
Human, Family & Consumer Science	68	1	20.4	12	1	18.2	50	1	21.0
Letters	30	1	24.8	3	0	21.3	25	1	25.4
Mathematics	31	1	25.6	1	0	20.0	29	1	26.0
Philosophy, Religion & Theology	30	1	22.8	1	0	18.0	27	1	22.7
Sciences (Biological & Physical)	294	5	23.8	10	1	20.0	269	6	24.1
Social Sciences	277	5	22.9	8	1	17.9	262	6	23.1
Trade & Industrial	300	5	18.4	227	26	17.8	61	1	20.2
Visual & Performing Arts	311	5	21.6	32	4	17.9	259	6	22.1
Undecided	1,018	18	21.4	154	18	18.1	778	17	22.1
No Response	153	3	19.0	12	1	17.9	20	0	19.2

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

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

Total Students in Report: 5,791

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	196	17.7	1	18.0	13	15.3	174	17.9	4	18.3	0	.	4	19.3
2-yr College Degree	667	18.0	4	15.8	25	15.0	607	18.3	3	17.3	6	14.8	22	15.9
Bachelors Degree	2,735	21.3	24	17.9	89	17.8	2,484	21.5	27	20.5	12	19.8	99	20.6
Graduate Study	574	23.8	3	21.0	20	19.4	516	24.0	4	18.0	4	23.3	27	24.1
Prof. Level Degree	1,195	23.9	17	20.8	69	19.0	1,042	24.3	7	24.1	15	25.7	45	24.1
Other	142	19.0	3	18.7	2	15.5	118	18.7	1	16.0	2	19.5	16	21.9
No Response	282	20.6	2	17.0	12	16.1	240	21.0	1	17.0	4	17.0	23	20.2

Total Students in Report: 5,791

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	2,321	956	1,365	0	4	22	36	26	11	1
UNIVERSITY OF NORTH DAKOTA	North Dakota	2,088	740	1,348	0	3	21	35	28	12	1
BISMARCK STATE COLLEGE	North Dakota	1,060	526	534	2	12	36	34	14	3	0
MINOT STATE UNIVERSITY	North Dakota	644	224	420	1	8	30	32	21	6	1
NORTH DAKOTA STATE COLLEGE OF SCIENCE	North Dakota	642	265	377	2	15	38	31	12	2	0
MINNESOTA STATE UNIVERSITY MOORHEAD	Minnesota	628	149	479	0	4	26	38	24	7	0
UNIVERSITY OF MARY	North Dakota	555	103	452	0	4	24	35	27	10	0
UNIVERSITY OF MINNESOTA-TWIN CITIES	Minnesota	502	121	381	0	1	8	29	37	23	1
DICKINSON STATE UNIVERSITY	North Dakota	361	112	249	1	7	31	35	18	6	1
CONCORDIA COLLEGE-MOORHEAD	Minnesota	339	69	270	0	2	10	33	32	22	1
VALLEY CITY STATE UNIVERSITY	North Dakota	238	49	189	1	6	35	38	15	4	0
JAMESTOWN COLLEGE	North Dakota	231	55	176	0	4	26	38	23	8	0
MINN ST COMM & TECH COLL-MOORHEAD	Minnesota	185	43	142	2	16	45	28	8	1	0
MAYVILLE STATE UNIVERSITY	North Dakota	174	29	145	0	9	37	34	16	3	1
MINOT STATE UNIVERSITY-BOTTINEAU	North Dakota	167	46	121	2	17	38	30	11	1	1
LAKE REGION STATE COLLEGE	North Dakota	161	66	95	2	18	39	30	11	0	0
WILLISTON STATE COLLEGE	North Dakota	126	38	88	2	13	35	33	13	4	1
NORTHLAND COMM & TECH COLL-E GRAND FRKS	Minnesota	104	37	67	1	13	41	34	11	0	0
UNIVERSITY OF MINNESOTA-DULUTH	Minnesota	100	17	83	0	3	11	37	30	16	3
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	72	9	63	0	1	22	39	19	17	1
NCAA ELIGIBILITY CENTER	Indiana	70	29	41	0	1	16	27	41	13	1
MEDCENTER ONE COLLEGE OF NURSING	North Dakota	69	5	64	1	10	32	33	20	3	0
NORTHERN STATE UNIVERSITY	South Dakota	62	12	50	0	8	19	37	19	16	0
SAINT CLOUD STATE UNIVERSITY	Minnesota	62	14	48	0	2	19	24	48	5	2
BEMIDJI STATE UNIVERSITY	Minnesota	61	9	52	0	3	26	38	23	10	0
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	59	10	49	2	5	24	25	36	8	0
SOUTH DAKOTA SCH OF MINES/TECH	South Dakota	50	16	34	0	0	8	22	46	22	2
UNIV OF MINNESOTA-CROOKSTON	Minnesota	50	13	37	0	8	20	40	24	8	0
TURTLE MOUNTAIN COMMUNITY COLLEGE	North Dakota	49	25	24	4	31	47	14	4	0	0
UNIVERSITY OF NEBRASKA AT LINCOLN	Nebraska	39	11	28	0	3	8	26	31	31	3
All Other Institutions		2,282	481	1,801	1	5	16	30	26	19	3
Total		13,551	4,279	9,272	1	6	24	34	24	11	1

Section V Optional Writing Test Results

Total Students in Report: 5,791

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	1,875	814,713	22.7	21.5	6.7	7.2	21.2	20.8
African American/Black	19	96,225	19.8	16.5	6.5	6.4	18.9	16.5
American Indian/Alaska Native	59	5,489	17.8	18.9	5.9	6.7	17.1	18.5
Caucasian American/White	1,655	497,164	22.8	22.8	6.7	7.3	21.4	21.9
Hispanic	14	85,681	21.5	18.4	6.9	7.0	20.6	18.4
Asian American/Pacific Islander	19	44,716	24.5	23.5	7.2	7.6	23.1	22.8
Other/No Response	109	85,438	23.2	21.4	6.7	7.2	21.6	20.8
Males	756	357,025	22.3	21.1	6.4	6.9	20.7	20.3
Females	1,117	455,190	22.9	21.7	6.9	7.4	21.6	21.2
Missing	2	2,498	23.0	22.1	7.0	7.2	21.5	21.3

