

ACT Profile Report - State

Graduating Class 2010
Iowa



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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

30% 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: 22,943 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. 78% 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 6% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 20% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 20% of these students were college ready. In comparison, 64% 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 10% of the cohort took less than three years of natural science courses. 14% of these students were college ready. In comparison, 40% of students who took at least three years of science coursework were college ready.

EVALUATING RIGOR OF COURSES: Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 38% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

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

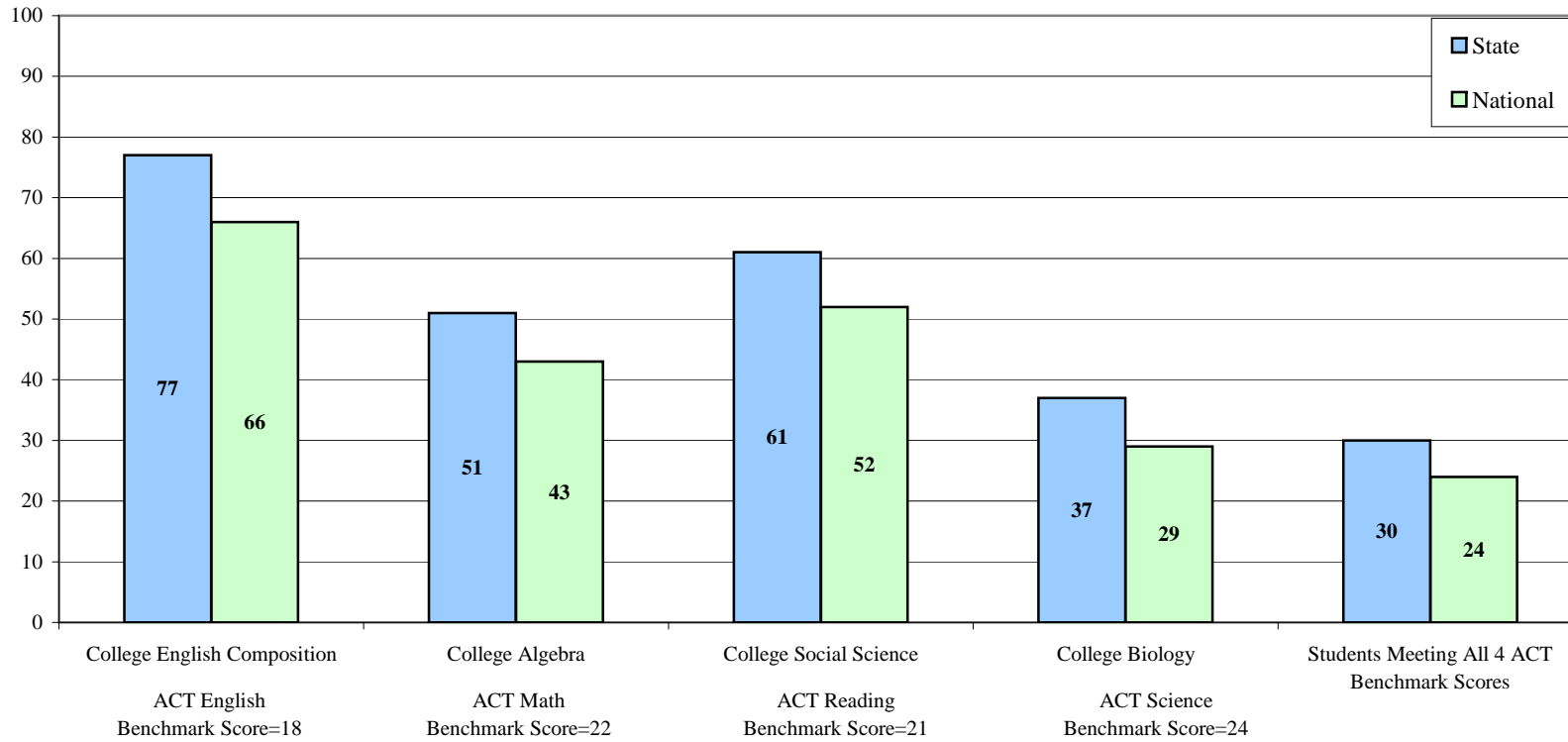
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 847-634-2560.

Section I

Executive Summary

Total Students in Report: 22,943

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: 22,943

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	22,233	1,206,455	77	69	50	42	62	53	35	27	27	21
2007	23,016	1,300,599	78	69	50	43	61	53	36	28	28	23
2008	22,950	1,421,941	79	68	50	43	63	53	37	28	29	22
2009	22,377	1,480,469	79	67	50	42	64	53	37	28	29	23
2010	22,943	1,568,835	77	66	51	43	61	52	37	29	30	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	22,233	1,206,455	21.6	20.6	21.8	20.8	22.5	21.4	22.1	20.9	22.1	21.1
2007	23,016	1,300,599	21.6	20.7	21.9	21.0	22.6	21.5	22.3	21.0	22.3	21.2
2008	22,950	1,421,941	21.9	20.6	22.0	21.0	22.9	21.4	22.3	20.8	22.4	21.1
2009	22,377	1,480,469	21.9	20.6	21.9	21.0	22.9	21.4	22.4	20.9	22.4	21.1
2010	22,943	1,568,835	21.8	20.5	21.8	21.0	22.6	21.3	22.3	20.9	22.2	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: 22,943

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	14,034	6,549	63	29	22.5	19.6	22.7	20.0	23.4	20.8	22.8	20.7	23.0	20.4
2007	13,735	6,727	60	29	22.5	19.8	22.7	20.1	23.4	21.0	23.0	20.9	23.1	20.6
2008	15,732	5,814	69	25	22.6	19.8	22.7	20.1	23.5	21.2	22.9	20.7	23.1	20.6
2009	17,450	4,613	78	21	22.6	19.3	22.6	19.4	23.6	20.6	23.0	20.3	23.1	20.1
2010	17,990	4,554	78	20	22.6	18.8	22.5	19.1	23.4	20.0	23.0	20.0	23.0	19.6

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.

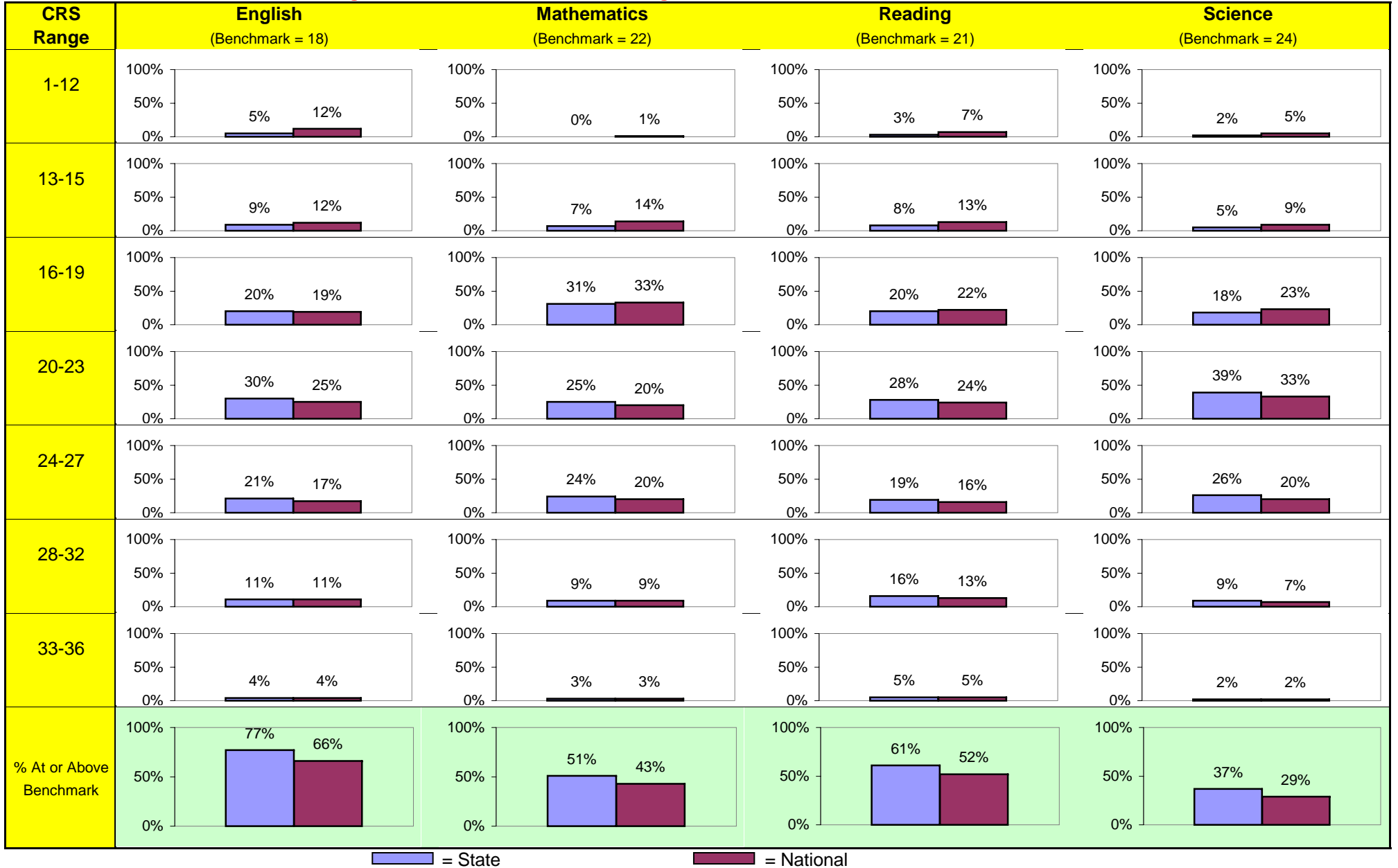
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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	22,233	100	22.1	23,016	100	22.3	22,950	100	22.4	22,377	100	22.4	22,943	100	22.2
African American/Black	338	2	18.3	402	2	18.5	435	2	17.8	448	2	18.3	583	3	17.3
American Indian/Alaska Native	80	0	20.5	64	0	20.5	67	0	20.9	81	0	20.2	81	0	20.3
Caucasian American/White	19,379	87	22.3	19,388	84	22.4	19,938	87	22.5	19,741	88	22.6	19,967	87	22.5
Hispanic	373	2	19.8	448	2	20.1	461	2	20.1	556	2	19.9	700	3	18.9
Asian American/Pacific Islander	457	2	22.2	381	2	22.7	444	2	22.7	429	2	22.7	537	2	22.5
Other/No Response	1,606	7	22.0	2,333	10	22.4	1,605	7	22.8	1,122	5	22.6	1,075	5	21.3

Total Students in Report: 22,943

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



Section II

Academic Achievement

Total Students in Report: 22,943

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	69	100	66	100	146	100	93	100	8	100	36
35	285	100	172	100	163	99	134	100	77	100	35
34	312	98	149	99	446	99	146	99	145	100	34
33	307	97	265	98	468	97	192	98	182	99	33
32	317	96	271	97	518	95	102	98	269	98	32
31	364	94	290	96	631	92	284	97	407	97	31
30	589	93	417	95	846	90	413	96	538	95	30
29	502	90	446	93	846	86	514	94	671	93	29
28	806	88	733	91	912	82	669	92	860	90	28
27	762	85	1,046	88	920	78	1,028	89	1,016	86	27
26	1,218	81	1,258	83	1,021	74	1,224	84	1,256	82	26
25	1,254	76	1,492	78	1,203	70	2,003	79	1,486	76	25
24	1,542	70	1,810	71	1,257	65	1,784	70	1,688	70	24
23	1,513	64	1,757	63	1,436	59	2,323	63	1,843	63	23
22	1,634	57	1,469	56	1,748	53	1,934	52	1,956	54	22
21	2,127	50	1,105	49	1,461	45	2,270	44	1,959	46	21
20	1,706	41	1,444	44	1,834	39	2,319	34	1,897	37	20
19	1,437	33	1,427	38	1,378	31	1,365	24	1,743	29	19
18	1,027	27	1,638	32	1,013	25	1,329	18	1,463	22	18
17	993	23	1,970	25	1,306	20	698	12	1,140	15	17
16	1,047	18	2,070	16	964	15	645	9	820	10	16
15	951	14	1,070	7	709	11	462	6	575	7	15
14	661	10	427	3	664	7	328	4	438	4	14
13	374	7	104	1	414	5	280	3	271	2	13
12	284	5	30	1	337	3	174	2	162	1	12
11	350	4	13	1	151	1	106	1	62	1	11
10	211	2	4	1	91	1	67	1	9	1	10
9	139	1	0	1	28	1	35	1	2	1	9
8	117	1	0	1	14	1	14	1	0	1	8
7	29	1	0	1	12	1	6	1	0	1	7
6	11	1	0	1	4	1	2	1	0	1	6
5	4	1	0	1	2	1	0	1	0	1	5
4	1	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	21.8 (5.6)		21.8 (4.9)		22.6 (5.7)		22.3 (4.5)		22.2 (4.6)		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: 22,943

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	912	100	280	100	585	100	799	100	954	100	220	100	180	100	18
17	817	96	241	99	1,073	97	1,821	97	1,273	96	257	99	181	99	17
16	1,066	92	1,231	98	1,613	93	1,276	89	1,270	90	660	98	713	98	16
15	1,389	88	1,757	92	1,741	86	2,064	83	1,592	85	713	95	1,316	95	15
14	1,480	82	1,732	85	1,683	78	1,532	74	1,723	78	2,131	92	2,076	90	14
13	1,740	75	2,328	77	1,824	71	2,046	67	1,870	70	2,378	83	2,868	81	13
12	1,974	68	3,095	67	2,605	63	2,074	58	2,429	62	2,577	72	2,684	68	12
11	2,290	59	3,245	54	2,331	52	2,542	49	2,553	52	3,716	61	2,821	56	11
10	3,260	49	2,478	39	2,656	41	2,311	38	2,110	40	3,406	45	3,455	44	10
9	2,378	35	2,501	29	2,646	30	1,506	28	2,196	31	3,083	30	2,491	29	9
8	1,646	25	1,757	18	1,858	18	1,562	22	2,222	22	1,802	17	1,907	18	8
7	1,502	17	1,003	10	1,268	10	1,179	15	1,743	12	991	9	993	10	7
6	1,106	11	399	6	580	5	973	10	703	4	441	4	551	5	6
5	640	6	440	4	277	2	805	5	205	1	280	2	353	3	5
4	469	3	317	2	126	1	306	2	71	1	146	1	110	2	4
3	207	1	108	1	44	1	104	1	20	1	115	1	166	1	3
2	60	1	30	1	26	1	42	1	8	1	4	1	47	1	2
1	7	1	1	1	7	1	1	1	1	1	23	1	31	1	1
Avg (SD)	10.9 (3.6)		11.2 (3.0)		11.5 (3.2)		11.6 (3.6)		11.6 (3.3)		10.9 (2.7)		11.0 (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)	25	25	27	25	25
Q2 (50th Percentile)	22	22	22	22	22
Q1 (25th Percentile)	18	18	19	20	19

Total Students in Report: 22,943

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	22,943	78	23.0	19.6
	African American/Black	583	55	18.9	15.7
	American Indian/Alaska Native	81	75	21.1	18.2
	Caucasian American/White	19,967	80	23.2	20.1
	Hispanic	700	63	20.5	16.6
	Asian American/Pacific Islander	537	81	23.3	19.2
	Other/No Response	1,075	69	22.6	18.7
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	21.8	21.8	22.6	22.3	22.2
	African American/Black	16.0	17.5	17.5	17.9	17.3
	American Indian/Alaska Native	19.7	19.3	21.0	20.4	20.3
	Caucasian American/White	22.1	22.0	22.9	22.6	22.5
	Hispanic	17.7	18.9	19.2	19.4	18.9
	Asian American/Pacific Islander	21.6	23.3	22.2	22.5	22.5
	Other/No Response	20.7	21.0	21.6	21.4	21.3
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: 22,943

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	973	4	652	3	1,223	5	565	2
	28 to 32	2,578	11	2,157	9	3,753	16	1,982	9
	24 to 27	4,776	21	5,606	24	4,401	19	6,039	26
	20 to 23	6,980	30	5,775	25	6,479	28	8,846	39
	16 to 19	4,504	20	7,105	31	4,661	20	4,037	18
	13 to 15	1,986	9	1,601	7	1,787	8	1,070	5
	01 to 12	1,146	5	47	0	639	3	404	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	10,480	46	21.4	22.6	22.5	22.9	22.5
	Females	12,423	54	22.1	21.1	22.6	21.8	22.0
	Missing	40	0	15.3	16.5	17.0	17.6	16.8
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	75	57	60	43	34
	Females	80	46	62	33	26
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 22,943

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	17,990	83	22.6	57	22.5	67	23.4	43	23.0	34	23.0
	Less than Core	4,554	58	18.8	28	19.1	42	20.0	19	20.0	13	19.6
	Missing ³	399	35	16.1	15	17.4	28	17.5	11	17.8	6	17.4
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	21,240	79	22.0	21,087	54	22.2	21,385	63	22.8	20,344	40	22.7
	Less than Core	1,406	57	18.6	1,489	7	16.7	1,249	44	20.0	2,267	14	19.2
	Missing ³	297	36	16.2	367	15	17.3	309	29	17.6	332	12	17.9
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.

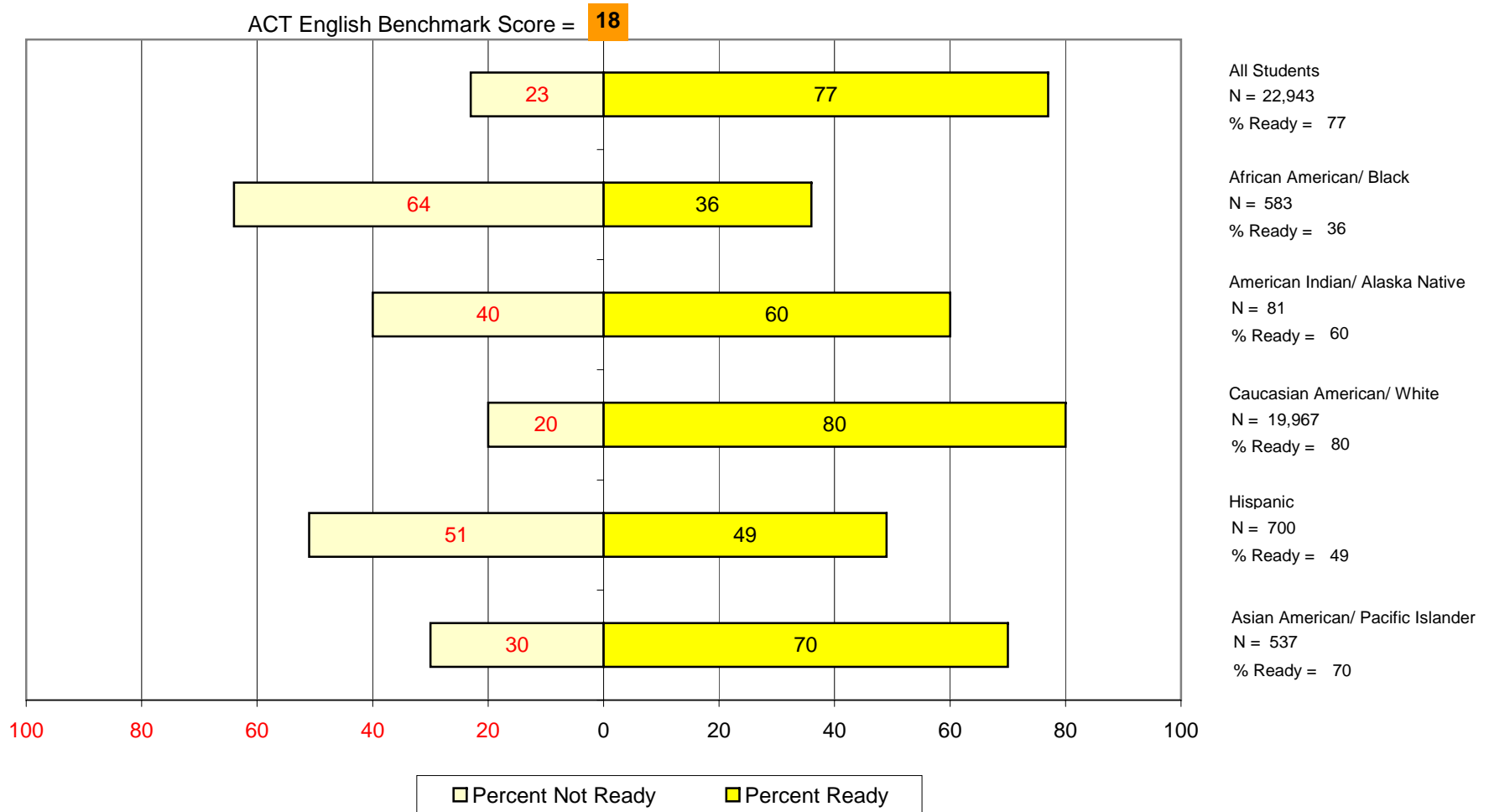
³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

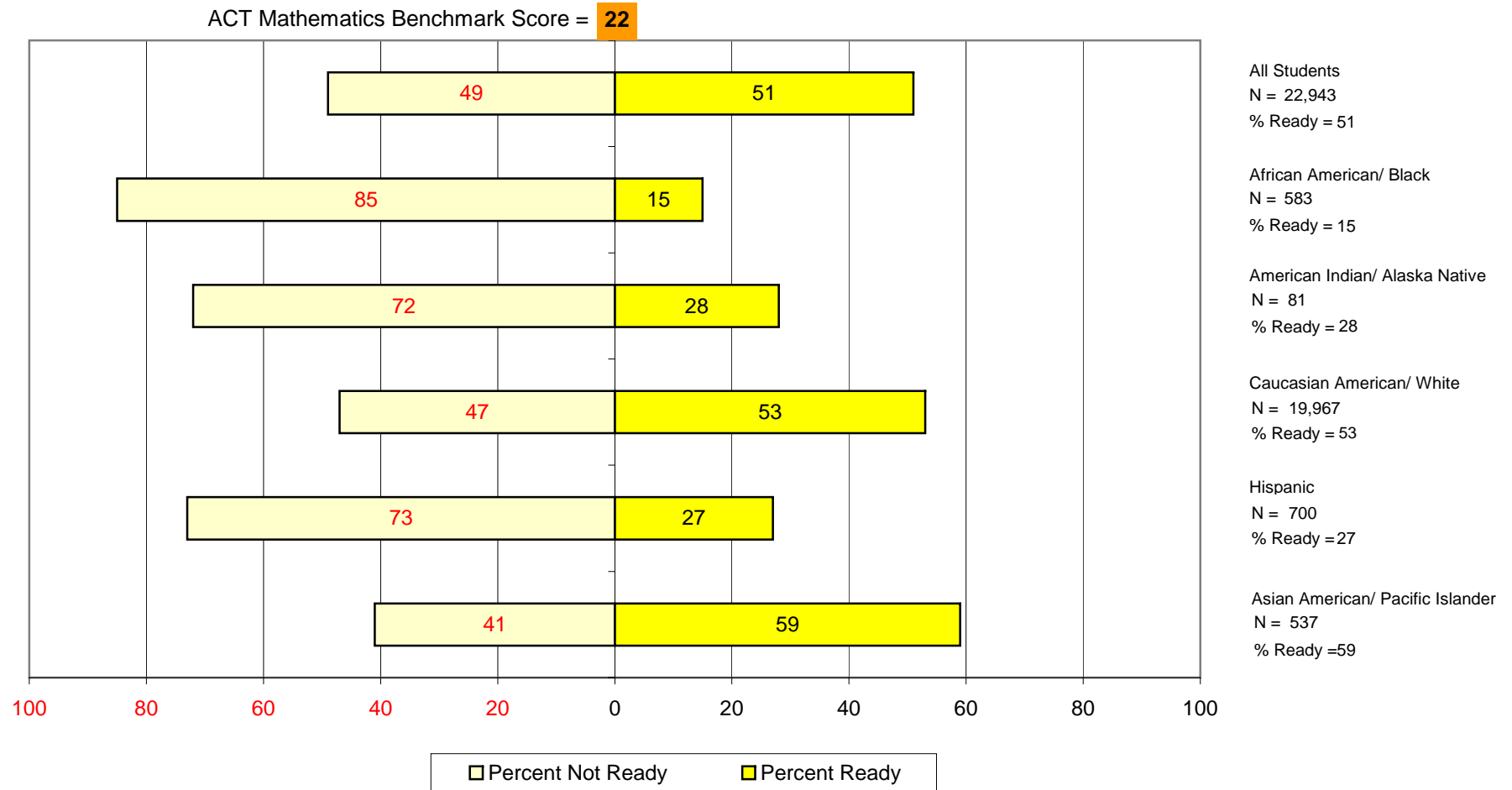
Total Students in Report: 22,943

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



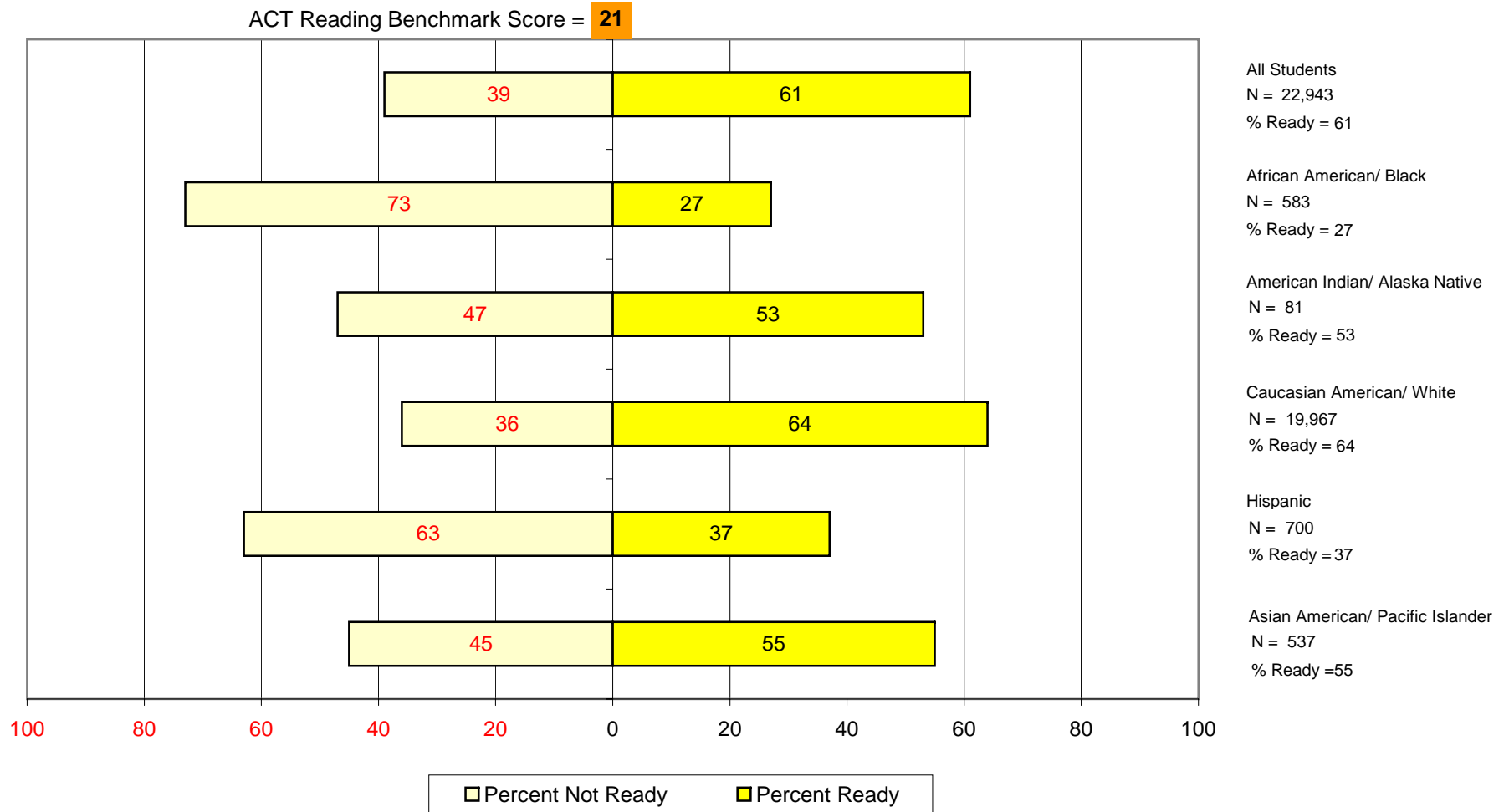
Total Students in Report: 22,943

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



Total Students in Report: 22,943

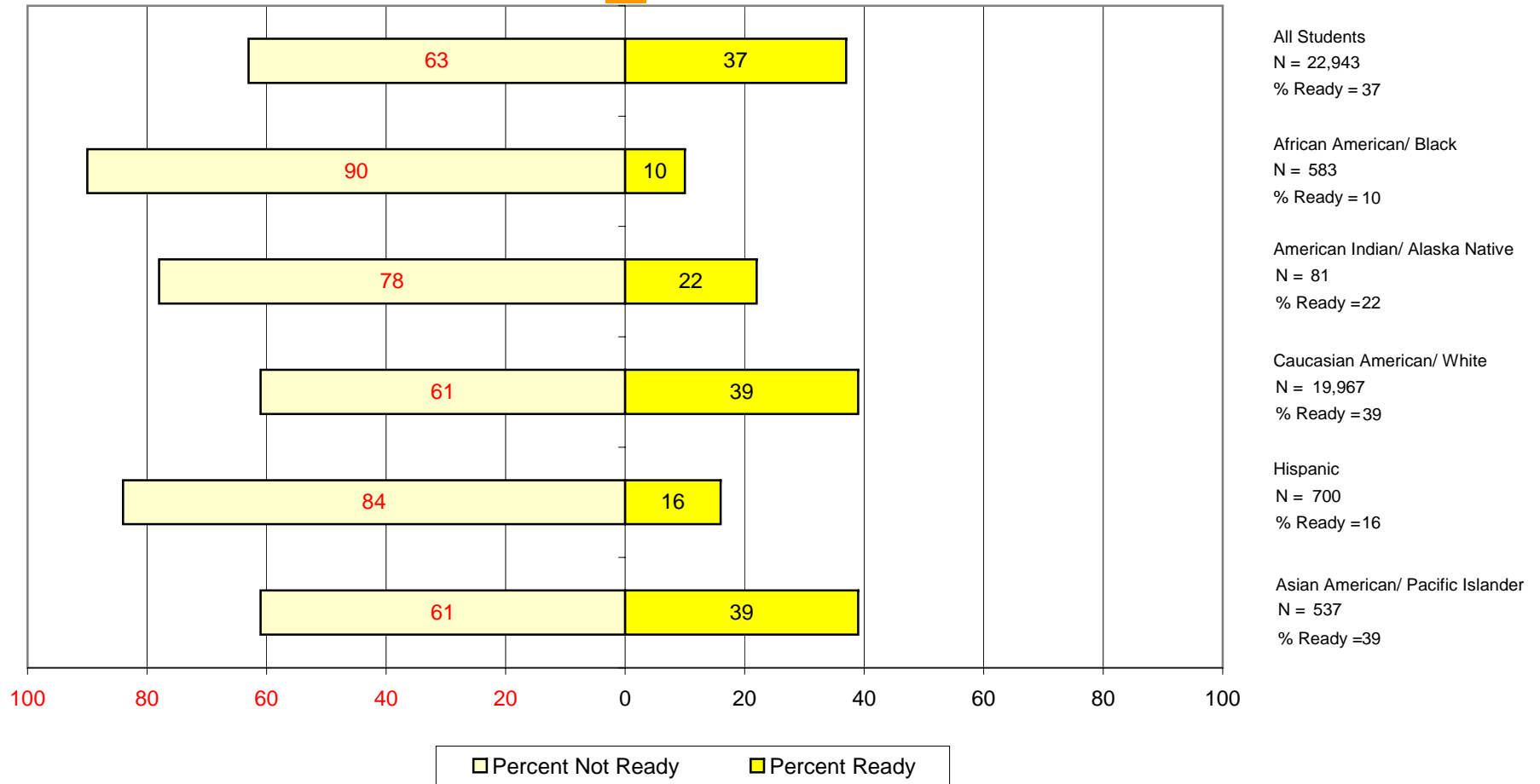
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



Total Students in Report: 22,943

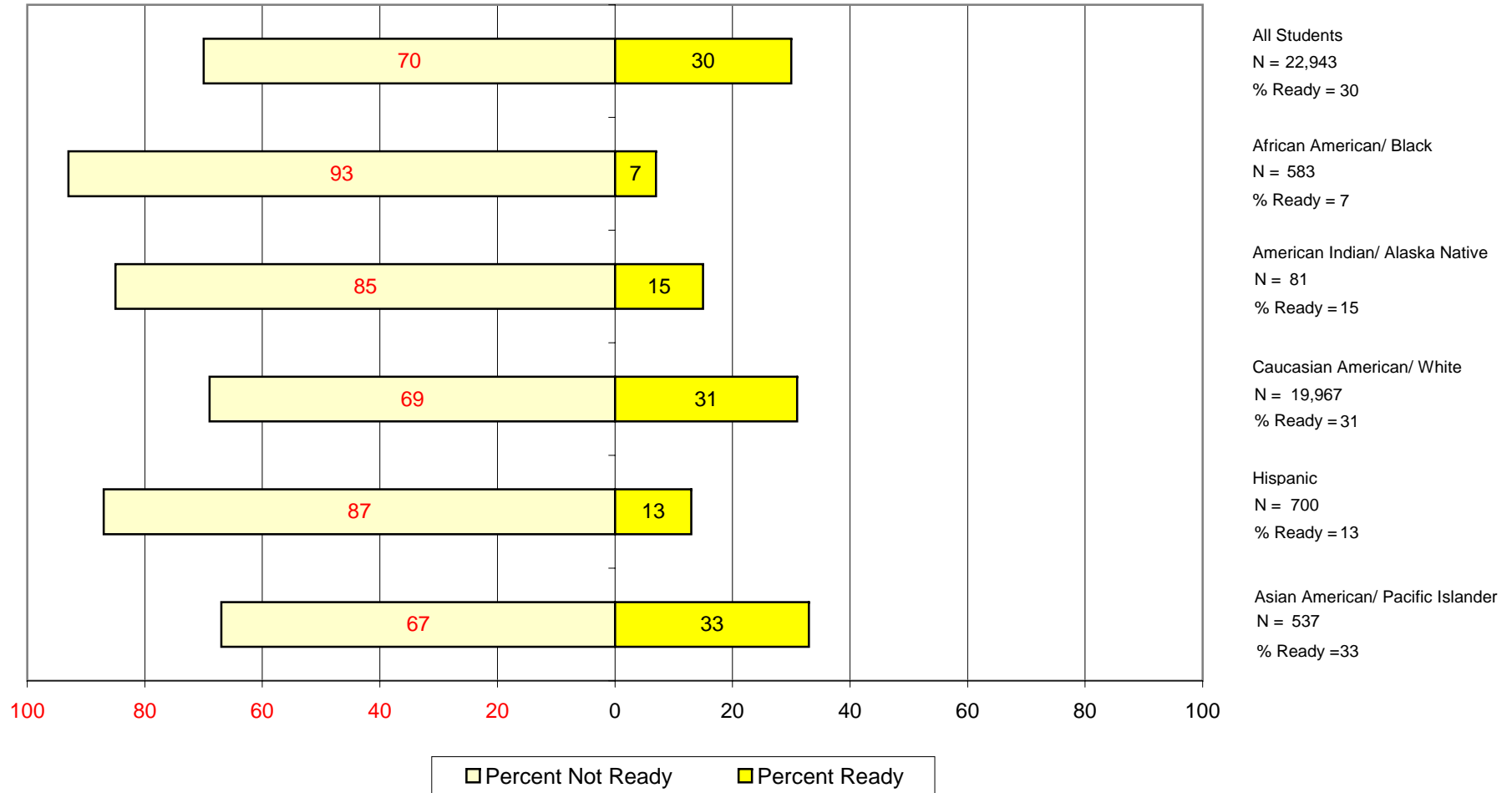
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = **24**



Total Students in Report: 22,943

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



Total Students in Report: 22,943

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	9,439	41	22.9	4.3	3,826	37	22.6	4.4	5,607	45	23.0	4.0
Eng 9, Eng 10, Eng 11, Eng 12	11,801	51	21.4	2.8	5,791	55	21.2	3.0	5,991	48	21.6	2.6
Less than 4 years of English	1,406	6	18.6	-	719	7	18.2	-	682	5	19.0	-
Zero years / no English courses reported	297	1	16.2	-	144	1	16.8	-	143	1	15.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,315	6	25.2	8.5	622	6	25.8	8.9	692	6	24.6	8.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,238	10	23.0	6.3	960	9	23.7	6.8	1,277	10	22.6	6.0
Alg 1, Alg 2, Geom, & Trig	1,615	7	21.3	4.6	667	6	21.9	5.0	946	8	20.9	4.3
Alg 1, Alg 2, Geom, & Other Adv Math	3,510	15	21.1	4.4	1,374	13	21.7	4.8	2,135	17	20.7	4.1
Other comb of 4 or more years of Math	6,851	30	24.7	8.0	3,615	34	25.4	8.5	3,234	26	24.0	7.4
Alg 1, Alg 2, & Geom	4,476	20	18.5	1.8	1,827	17	18.9	2.0	2,639	21	18.3	1.7
Other comb of 3 or 3.5 years of Math	1,082	5	20.9	4.2	546	5	21.6	4.7	534	4	20.3	3.7
Less than 3 years of Math	1,489	6	16.7	-	693	7	16.9	-	787	6	16.6	-
Zero years / no Math courses reported	367	2	17.3	-	176	2	18.4	-	179	1	16.5	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	553	2	22.8	2.8	292	3	22.5	2.4	261	2	23.2	3.3
Other comb of 4 or more years Social Science	12,709	55	23.1	3.1	5,778	55	23.1	3.0	6,918	56	23.1	3.2
US Hist, World Hist, & Am Gov	1,249	5	21.6	1.6	637	6	21.7	1.6	611	5	21.6	1.7
Other comb of 3 or 3.5 years of Social Science	6,874	30	22.5	2.5	3,018	29	22.4	2.3	3,849	31	22.6	2.7
Less than 3 years of Social Science	1,249	5	20.0	-	604	6	20.1	-	638	5	19.9	-
Zero years / no Social Science courses reported	309	1	17.6	-	151	1	17.8	-	146	1	17.5	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	9,764	43	23.7	4.5	5,032	48	24.4	5.1	4,726	38	23.0	3.9
Bio, Chem, Phys	1,285	6	25.2	6.0	607	6	26.0	6.7	677	5	24.5	5.4
Gen Sci ² , Bio, Chem	8,633	38	21.3	2.1	3,267	31	21.6	2.3	5,359	43	21.1	2.0
Other comb of 3 years of Natural Science	662	3	21.3	2.1	389	4	21.8	2.5	271	2	20.6	1.5
Less than 3 years of Natural Science	2,267	10	19.2	-	1,030	10	19.3	-	1,226	10	19.1	-
Zero years / no Natural Science courses reported	332	1	17.9	-	155	1	18.9	-	164	1	17.2	-

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: 22,943

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	9,439	41	22.9	84	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	11,801	51	21.4	76	1,096,437	70	20.5	66
Less than 4 years of English	1,406	6	18.6	57	74,180	5	16.4	39
Zero years / no English courses reported	297	1	16.2	36	43,106	3	15.7	34
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	1,315	6	25.2	79	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,238	10	23.0	68	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	1,615	7	21.3	49	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	3,510	15	21.1	47	239,289	15	20.0	36
Other comb of 4 or more years of Math	6,851	30	24.7	75	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	4,476	20	18.5	20	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	1,082	5	20.9	43	74,720	5	19.9	35
Less than 3 years of Math	1,489	6	16.7	7	97,949	6	16.4	7
Zero years / no Math courses reported	367	2	17.3	15	47,380	3	17.5	16
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	553	2	22.8	62	47,523	3	22.6	60
Other comb of 4 or more years Social Science	12,709	55	23.1	64	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	1,249	5	21.6	54	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	6,874	30	22.5	61	439,520	28	21.2	51
Less than 3 years of Social Science	1,249	5	20.0	44	156,679	10	19.5	39
Zero years / no Social Science courses reported	309	1	17.6	29	45,555	3	17.3	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	9,764	43	23.7	50	620,765	40	22.2	40
Bio, Chem, Phys	1,285	6	25.2	63	152,001	10	23.2	48
Gen Sci ¹ , Bio, Chem	8,633	38	21.3	27	474,375	30	20.1	21
Other comb of 3 years of Natural Science	662	3	21.3	28	43,231	3	19.7	21
Less than 3 years of Natural Science	2,267	10	19.2	14	231,566	15	18.3	12
Zero years / no Natural Science courses reported	332	1	17.9	12	46,897	3	17.4	10

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 22,943

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	729	3	20.5	129	8	18.5	565	3	21.0
Architecture & Environmental Design	408	2	22.1	25	2	18.6	364	2	22.4
Business & Management	1,934	8	21.7	94	6	18.1	1,752	9	22.0
Business & Office	213	1	20.7	30	2	18.6	166	1	21.2
Marketing & Distribution	134	1	21.0	3	0	17.3	127	1	21.1
Communications & Comm. Technologies	485	2	22.4	24	2	17.8	436	2	22.8
Community & Personal Services	511	2	19.7	95	6	17.8	389	2	20.2
Computer & Information Sciences	486	2	23.1	55	4	19.3	406	2	23.6
Cross-Disciplinary Studies	30	0	22.0	1	0	14.0	27	0	22.6
Education	1,101	5	21.7	29	2	18.2	1,025	5	21.8
Teacher Education	846	4	21.1	19	1	17.4	790	4	21.2
Engineering	973	4	24.8	40	3	17.2	890	5	25.2
Engineering-Related Technologies	654	3	23.7	43	3	18.1	581	3	24.1
Foreign Languages	150	1	24.1	0	0	.	135	1	24.4
Health Sciences & Allied Health Fields	4,326	19	22.0	301	19	18.2	3,865	20	22.3
Human, Family & Consumer Science	327	1	19.8	57	4	17.4	248	1	20.5
Letters	163	1	25.5	6	0	19.8	150	1	26.0
Mathematics	198	1	25.6	5	0	21.0	186	1	25.7
Philosophy, Religion & Theology	137	1	23.0	2	0	19.5	126	1	22.9
Sciences (Biological & Physical)	1,367	6	24.5	24	2	18.3	1,301	7	24.6
Social Sciences	1,342	6	23.3	16	1	18.4	1,274	6	23.5
Trade & Industrial	302	1	19.1	159	10	18.9	132	1	19.5
Visual & Performing Arts	1,314	6	22.4	94	6	18.4	1,142	6	22.8
Undecided	4,145	18	22.5	275	18	18.2	3,537	18	22.8
No Response	668	3	17.9	37	2	14.2	82	0	19.1

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).

Total Students in Report: 22,943

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	205	18.0	5	13.0	1	17.0	164	18.5	11	14.3	6	18.3	18	16.8
2-yr College Degree	1,358	18.2	57	14.4	8	17.1	1,152	18.6	57	15.7	19	16.9	65	16.7
Bachelors Degree	11,499	21.7	181	16.7	36	19.7	10,408	21.9	292	18.8	191	20.6	391	21.1
Graduate Study	3,359	24.2	88	18.8	11	23.1	2,962	24.5	72	21.2	77	24.4	149	22.4
Prof. Level Degree	4,838	24.1	157	19.5	19	20.9	3,990	24.5	180	20.6	198	24.6	294	23.6
Other	530	19.6	17	16.1	1	18.0	431	20.1	28	17.0	8	18.0	45	18.2
No Response	1,154	20.6	78	15.2	5	22.0	860	21.5	60	16.9	38	21.7	113	19.0

Total Students in Report: 22,943

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	
IOWA STATE UNIVERSITY	Iowa	6,514	2,896	3,618	1	3	17	33	30	14	2	
UNIVERSITY OF IOWA	Iowa	6,221	2,452	3,769	0	3	17	34	29	15	2	
UNIVERSITY OF NORTHERN IOWA	Iowa	5,249	1,449	3,800	0	3	21	37	27	10	1	
KIRKWOOD COMMUNITY COLLEGE	Iowa	1,472	461	1,011	1	8	33	39	16	3	0	
DRAKE UNIVERSITY	Iowa	1,324	353	971	2	5	14	28	30	19	2	
WARTBURG COLLEGE	Iowa	1,015	223	792	0	2	16	36	31	15	1	
CENTRAL COLLEGE	Iowa	1,008	235	773	0	3	18	37	29	12	1	
DES MOINES AREA COMMUNITY COLL-ANKENY	Iowa	956	399	557	4	12	36	32	13	2	0	
SIMPSON COLLEGE	Iowa	924	204	720	2	5	21	36	27	9	1	
HAWKEYE COMMUNITY COLLEGE	Iowa	703	250	453	2	9	37	37	13	2	0	
GRAND VIEW UNIVERSITY	Iowa	630	141	489	5	16	29	36	12	3	0	
COE COLLEGE	Iowa	612	110	502	0	3	21	35	29	10	1	
LUTHER COLLEGE	Iowa	593	145	448	0	1	9	28	36	22	4	
BUENA VISTA UNIVERSITY	Iowa	520	109	411	1	6	26	36	23	8	1	
MORNINGSIDE COLLEGE	Iowa	489	132	357	0	6	28	38	20	6	1	
NORTHWEST MISSOURI ST UNIV	Missouri	489	145	344	1	4	27	38	23	7	0	
IOWA CENTRAL COMMUNITY COLL-FORT DODGE	Iowa	486	165	321	2	10	38	34	14	2	0	
IOWA WESTERN COMM C-COUNCIL BLFS	Iowa	485	204	281	1	11	36	34	15	3	0	
NORTHWESTERN COLLEGE	Iowa	468	146	322	1	3	18	30	31	16	1	
LORAS COLLEGE	Iowa	460	107	353	0	2	22	39	25	10	1	
CREIGHTON UNIVERSITY	Nebraska	429	97	332	0	1	9	28	28	29	5	
UNIVERSITY OF SOUTH DAKOTA	South Dakota	422	99	323	0	4	20	39	27	8	0	
UNIVERSITY OF MINNESOTA-TWIN CITIES	Minnesota	414	73	341	0	1	9	29	32	25	3	
SOUTH DAKOTA STATE UNIVERSITY	South Dakota	397	120	277	0	3	15	45	30	6	2	
ST AMBROSE UNIVERSITY	Iowa	373	91	282	1	4	18	40	25	12	0	
UNIVERSITY OF NEBRASKA AT LINCOLN	Nebraska	369	96	273	0	2	16	29	32	17	4	
UNIVERSITY OF NEBRASKA AT OMAHA	Nebraska	336	79	257	1	3	22	39	25	10	1	
INDIAN HILLS COMMUNITY COLL-OTTUMWA	Iowa	328	133	195	1	14	39	33	10	3	0	
NORTH IOWA AREA COMMUNITY COLL	Iowa	299	130	169	0	7	37	36	17	3	0	
UPPER IOWA UNIVERSITY	Iowa	279	62	217	1	6	39	33	17	4	0	
All Other Institutions		17,115	4,702	12,413	1	7	21	29	23	16	3	
Total		51,379	16,008	35,371	1	5	21	33	25	13	2	

Section V Optional Writing Test Results

Total Students in Report: 22,943

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	5,209	869,014	24.4	21.4	7.3	7.1	23.1	20.8
African American/Black	136	107,638	18.8	16.4	6.5	6.4	18.3	16.4
American Indian/Alaska Native	17	6,232	23.9	18.9	7.6	6.6	23.1	18.4
Caucasian American/White	4,384	518,004	24.7	23.0	7.4	7.3	23.4	22.1
Hispanic	155	101,126	20.3	18.1	6.8	6.9	19.6	18.1
Asian American/Pacific Islander	211	49,922	25.0	23.6	7.6	7.7	23.8	22.9
Other/No Response	306	86,092	24.2	21.0	7.4	7.1	23.0	20.4
Males	2,193	384,152	24.5	21.1	7.1	6.9	23.0	20.3
Females	3,015	484,023	24.3	21.7	7.5	7.3	23.2	21.2
Missing	1	839	21.0	16.8	8.0	6.3	21.0	16.6

