

ACT Profile Report - State

Graduating Class 2012
Vermont



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.

Total Students in Report: 2,009

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

37% 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: 2,009 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. 68% 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 5% of the cohort took less than three years of math courses. Of these students, 18% were college ready. 10% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 17% of these students were college ready. In comparison, 70% 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 7% of the cohort took less than three years of natural science courses. 15% of these students were college ready. In comparison, 46% 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 30% 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 508-229-0111.

Section I

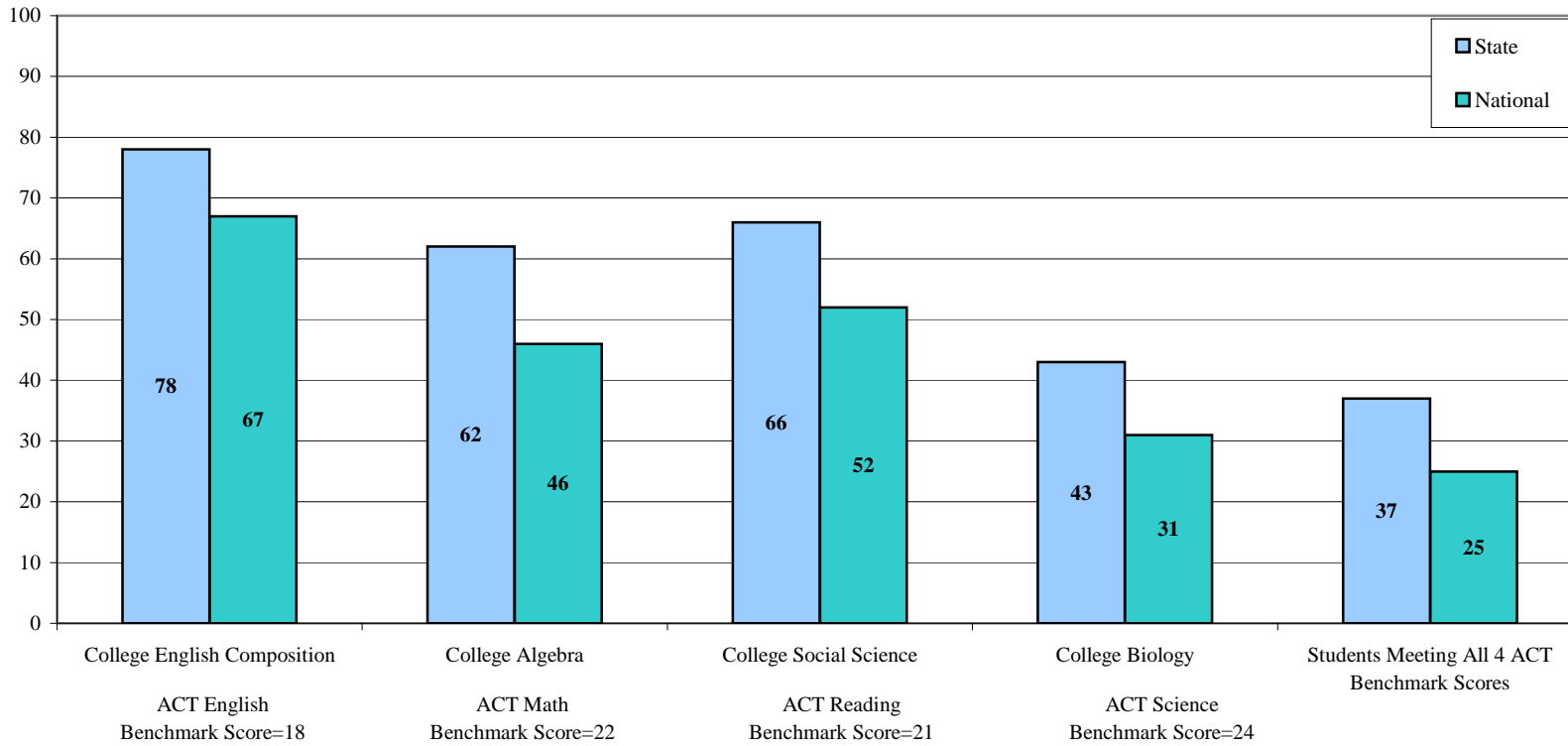
Executive Summary

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.

Total Students in Report: 2,009

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: 2,009

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	2,203	1,421,941	79	68	55	43	64	53	38	28	31	22
2009	2,008	1,480,469	80	67	56	42	68	53	40	28	34	23
2010	2,054	1,568,835	80	66	61	43	66	52	43	29	36	24
2011	2,053	1,623,112	78	66	58	45	63	52	39	30	33	25
2012	2,009	1,666,017	78	67	62	46	66	52	43	31	37	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	2,203	1,421,941	22.4	20.6	22.4	21.0	23.3	21.4	22.1	20.8	22.7	21.1
2009	2,008	1,480,469	22.9	20.6	22.9	21.0	23.7	21.4	22.5	20.9	23.1	21.1
2010	2,054	1,568,835	22.8	20.5	22.8	21.0	23.7	21.3	22.8	20.9	23.2	21.0
2011	2,053	1,623,112	22.5	20.6	22.6	21.1	23.0	21.3	22.2	20.9	22.7	21.1
2012	2,009	1,666,017	22.6	20.5	22.9	21.1	23.3	21.3	22.6	20.9	23.0	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: 2,009

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
2008	1,024	724	46	33	23.6	21.8	23.4	22.1	24.4	23.0	23.1	21.9	23.8	22.3
2009	1,299	635	65	32	23.5	21.8	23.4	22.1	24.3	22.7	23.0	21.8	23.7	22.2
2010	1,429	598	70	29	23.4	21.6	23.3	21.8	24.1	22.8	23.2	21.9	23.7	22.1
2011	1,370	636	67	31	23.3	21.1	23.2	21.6	23.7	21.8	22.7	21.4	23.4	21.6
2012	1,365	593	68	30	23.5	21.2	23.5	21.8	24.1	22.0	23.2	21.6	23.7	21.8

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.

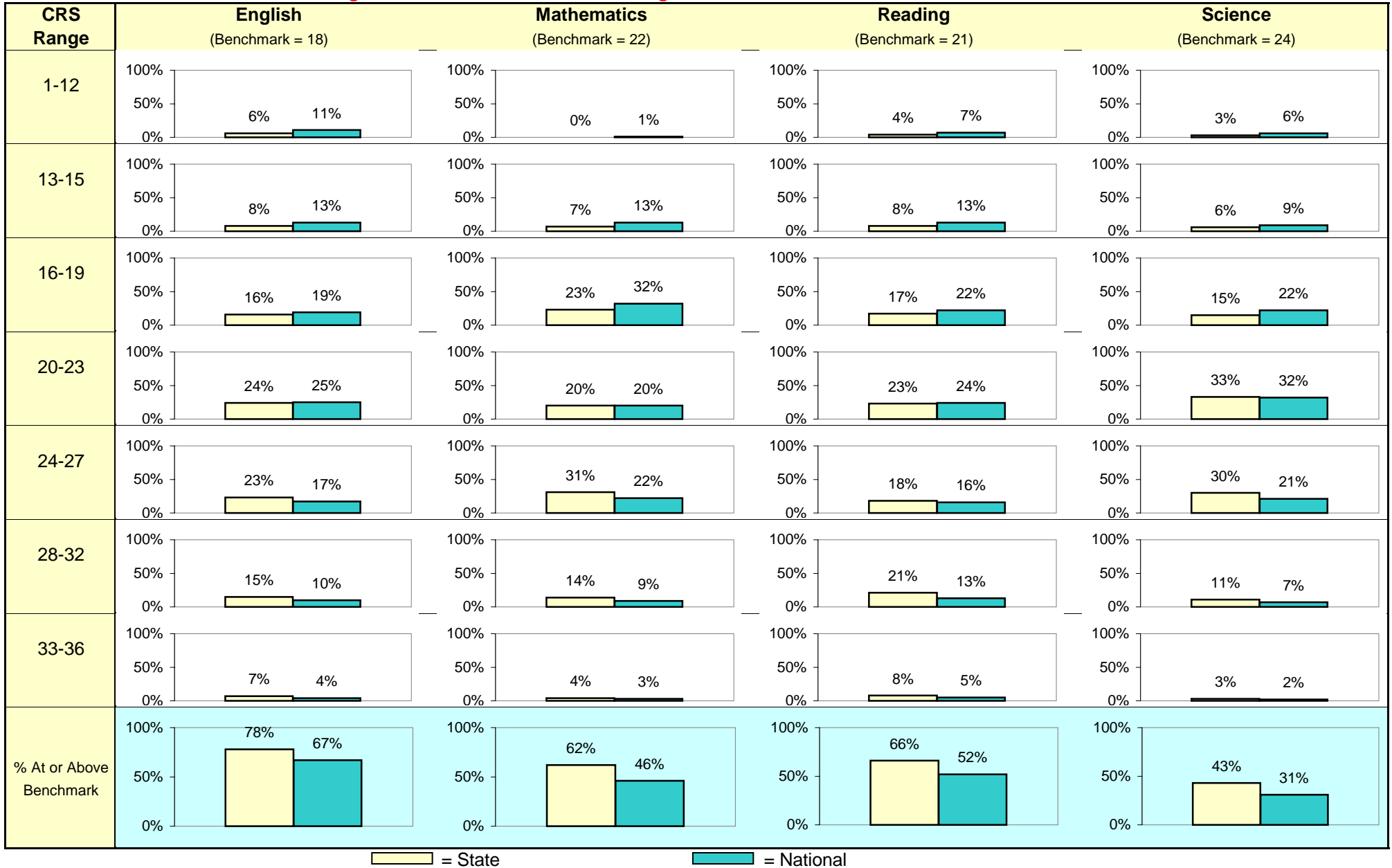
Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2008			2009			2010			2011			2012		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	2,203	100	22.7	2,008	100	23.1	2,054	100	23.2	2,053	100	22.7	2,009	100	23.0
Black/African American	18	1	19.6	29	1	19.4	22	1	17.6	24	1	19.0	34	2	17.8
American Indian/Alaska Native	6	0	21.2	3	0	15.7	4	0	21.0	8	0	21.8	6	0	21.5
White	1,618	73	23.0	1,716	85	23.1	1,785	87	23.3	1,729	84	22.9	1,653	82	23.2
Hispanic/Latino	28	1	20.4	16	1	22.2	31	2	22.0	41	2	20.4	39	2	23.1
Asian	40	2	22.6	38	2	23.2	43	2	21.5	70	3	22.2	98	5	21.1
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	1	0	17.0	1	0	24.0
Two or more races	24	1	22.2	25	1	25.4	22	1	24.9	42	2	24.0	49	2	21.7
Prefer not to respond/No response	469	21	22.0	181	9	23.5	147	7	22.2	138	7	21.1	129	6	23.5

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

Total Students in Report: 2,009

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: 2,009

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	9	100	8	100	29	100	11	100	3	100	36
35	30	100	14	100	16	99	11	99	5	100	35
34	49	98	26	99	54	98	22	99	12	100	34
33	53	96	34	98	67	95	18	98	35	99	33
32	53	93	32	96	71	92	31	97	40	97	32
31	56	90	36	94	87	88	37	95	43	95	31
30	57	88	53	93	89	84	41	94	78	93	30
29	69	85	56	90	82	79	38	91	89	89	29
28	75	81	107	87	99	75	68	90	103	85	28
27	96	78	128	82	78	70	111	86	114	80	27
26	126	73	174	75	101	67	91	81	117	74	26
25	92	67	155	67	71	62	170	76	141	68	25
24	142	62	163	59	117	58	221	68	165	61	24
23	128	55	133	51	98	52	160	57	132	53	23
22	112	48	117	44	113	47	178	49	142	46	22
21	133	43	60	38	152	42	164	40	139	39	21
20	114	36	90	35	101	34	158	32	116	32	20
19	92	31	101	31	77	29	111	24	121	27	19
18	86	26	119	26	109	25	81	18	95	21	18
17	72	22	118	20	80	20	58	14	90	16	17
16	78	18	133	14	75	16	54	11	76	11	16
15	90	14	109	8	73	12	49	9	54	8	15
14	42	10	22	2	57	8	47	6	39	5	14
13	34	8	16	1	38	6	27	4	35	3	13
12	18	6	4	1	27	4	27	3	16	1	12
11	32	5	1	1	22	2	9	1	8	1	11
10	32	4	0	1	17	1	12	1	0	1	10
9	16	2	0	1	2	1	2	1	1	1	9
8	15	1	0	1	4	1	1	1	0	1	8
7	5	1	0	1	1	1	1	1	0	1	7
6	2	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	0	1	0	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	2	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	22.6 (6.3)		22.9 (5.2)		23.3 (6.3)		22.6 (4.9)		23.0 (5.1)		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: 2,009

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	111	100	52	100	77	100	109	100	129	100	30	100	37	100	18
17	124	94	35	97	151	96	157	95	137	94	12	99	6	98	17
16	152	88	182	96	189	89	187	87	100	87	83	98	102	98	16
15	97	81	178	87	115	79	172	77	155	82	114	94	174	93	15
14	175	76	223	78	148	74	203	69	225	74	259	88	227	84	14
13	112	67	221	67	215	66	177	59	198	63	295	75	274	73	13
12	179	62	192	56	189	55	144	50	201	53	233	61	268	59	12
11	203	53	221	46	154	46	144	43	205	43	232	49	251	46	11
10	218	43	162	35	153	38	173	36	143	33	271	37	219	33	10
9	167	32	214	27	169	31	145	27	112	26	167	24	168	22	9
8	127	23	97	16	151	22	149	20	176	20	141	16	105	14	8
7	131	17	95	12	154	15	75	12	143	11	82	9	84	9	7
6	71	11	44	7	61	7	75	9	46	4	36	4	33	5	6
5	54	7	48	5	50	4	55	5	26	2	26	3	27	3	5
4	47	4	29	2	19	2	23	2	11	1	9	1	21	2	4
3	28	2	13	1	10	1	12	1	0	1	9	1	3	1	3
2	13	1	2	1	2	1	9	1	2	1	3	1	10	1	2
1	0	1	1	1	2	1	0	1	0	1	7	1	0	1	1
Avg (SD)	11.4 (3.9)		11.7 (3.3)		11.7 (3.7)		12.1 (3.8)		12.1 (3.5)		11.4 (2.9)		11.6 (2.9)		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)	27	26	28	25	27
Q2 (50th Percentile)	23	23	23	23	23
Q1 (25th Percentile)	18	18	18	20	19

Total Students in Report: 2,009

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	2,009	68	23.7	21.8
	Black/African American	34	59	18.3	17.2
	American Indian/Alaska Native	6	83	22.0	19.0
	White	1,653	70	23.8	21.9
	Hispanic/Latino	39	67	23.1	23.3
	Asian	98	65	21.8	19.6
	Native Hawaiian/Other Pac. Isl.	1	100	24.0	.
	Two or more races	49	57	24.1	20.0
	Prefer not/No Response	129	47	24.6	23.4
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	22.6	22.9	23.3	22.6	23.0
	Black/African American	16.1	18.4	18.5	18.0	17.8
	American Indian/Alaska Native	22.7	19.8	22.2	21.0	21.5
	White	22.9	22.9	23.7	22.8	23.2
	Hispanic/Latino	23.3	22.4	24.1	22.4	23.1
	Asian	18.6	25.8	18.4	20.9	21.1
	Native Hawaiian/Other Pac. Isl.	22.0	26.0	22.0	25.0	24.0
	Two or more races	21.1	21.9	22.5	21.2	21.7
	Prefer not/No Response	23.8	23.0	24.2	22.7	23.5
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: 2,009

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	141	7	82	4	166	8	62	3
	28 to 32	310	15	284	14	428	21	215	11
	24 to 27	456	23	620	31	367	18	593	30
	20 to 23	487	24	400	20	464	23	660	33
	16 to 19	328	16	471	23	341	17	304	15
	13 to 15	166	8	147	7	168	8	123	6
	01 to 12	121	6	5	0	75	4	52	3
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	873	43	22.2	23.9	23.2	23.2	23.2
	Females	1,136	57	22.9	22.1	23.5	22.1	22.8
	Missing	0	0
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	77	70	64	48	41
	Females	80	55	68	40	33
National	Males	64	50	51	35	29
	Females	69	42	53	27	22

Total Students in Report: 2,009

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	1,365	83	23.5	67	23.5	71	24.1	47	23.2	41	23.7
	Less than Core	593	70	21.2	53	21.8	58	22.0	37	21.6	29	21.8
	Missing ³	51	41	16.2	22	18.0	31	18.3	14	18.0	8	17.8
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	1,928	79	22.8	1,858	65	23.3	1,469	69	23.8	1,829	46	23.0
	Less than Core	45	47	17.5	101	18	17.6	503	60	22.3	143	15	18.5
	Missing ³	36	53	17.9	50	22	18.1	37	38	19.2	37	16	18.3
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.

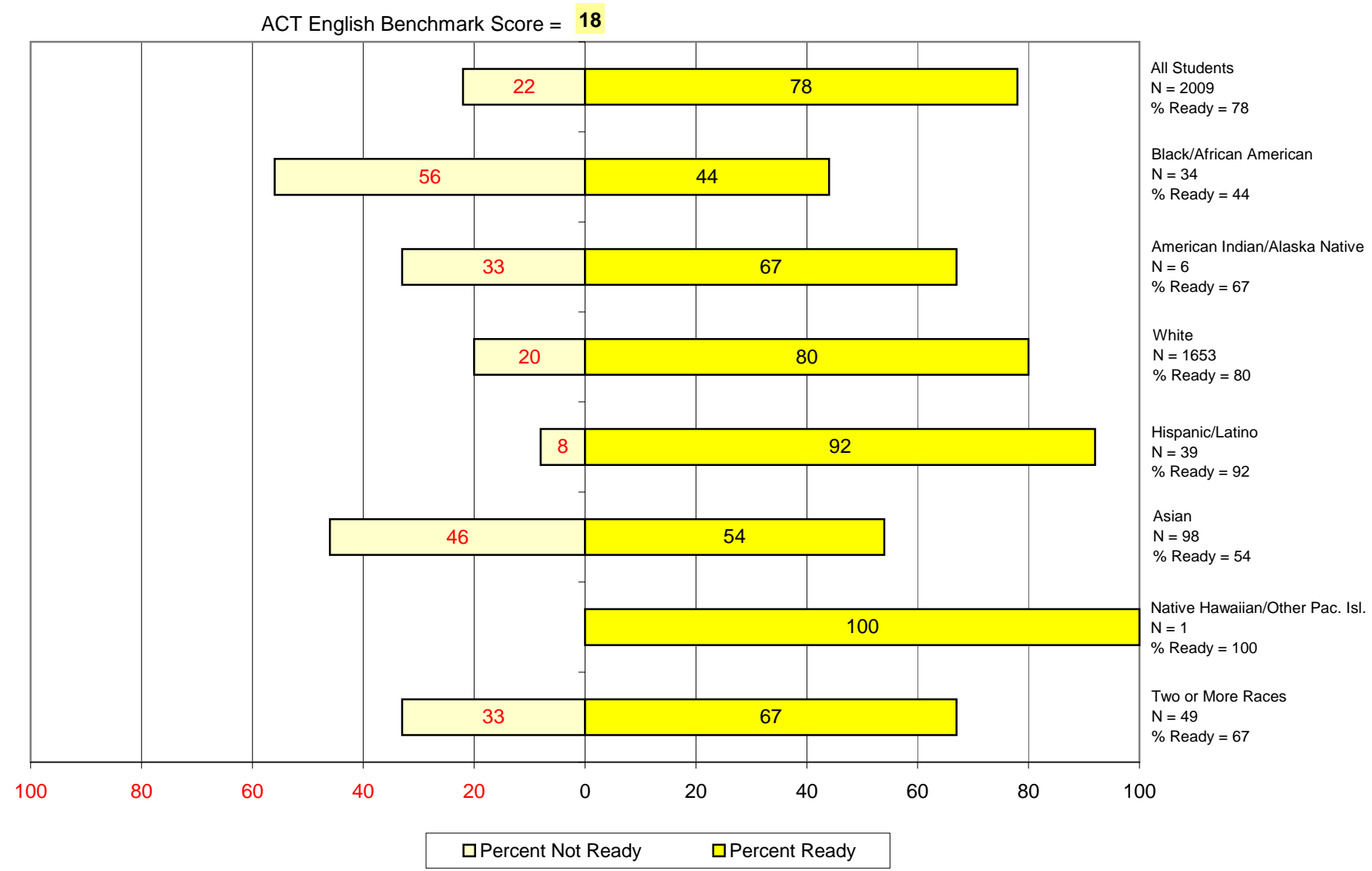
³ Zero years or no coursework information reported in the specified content area.

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.

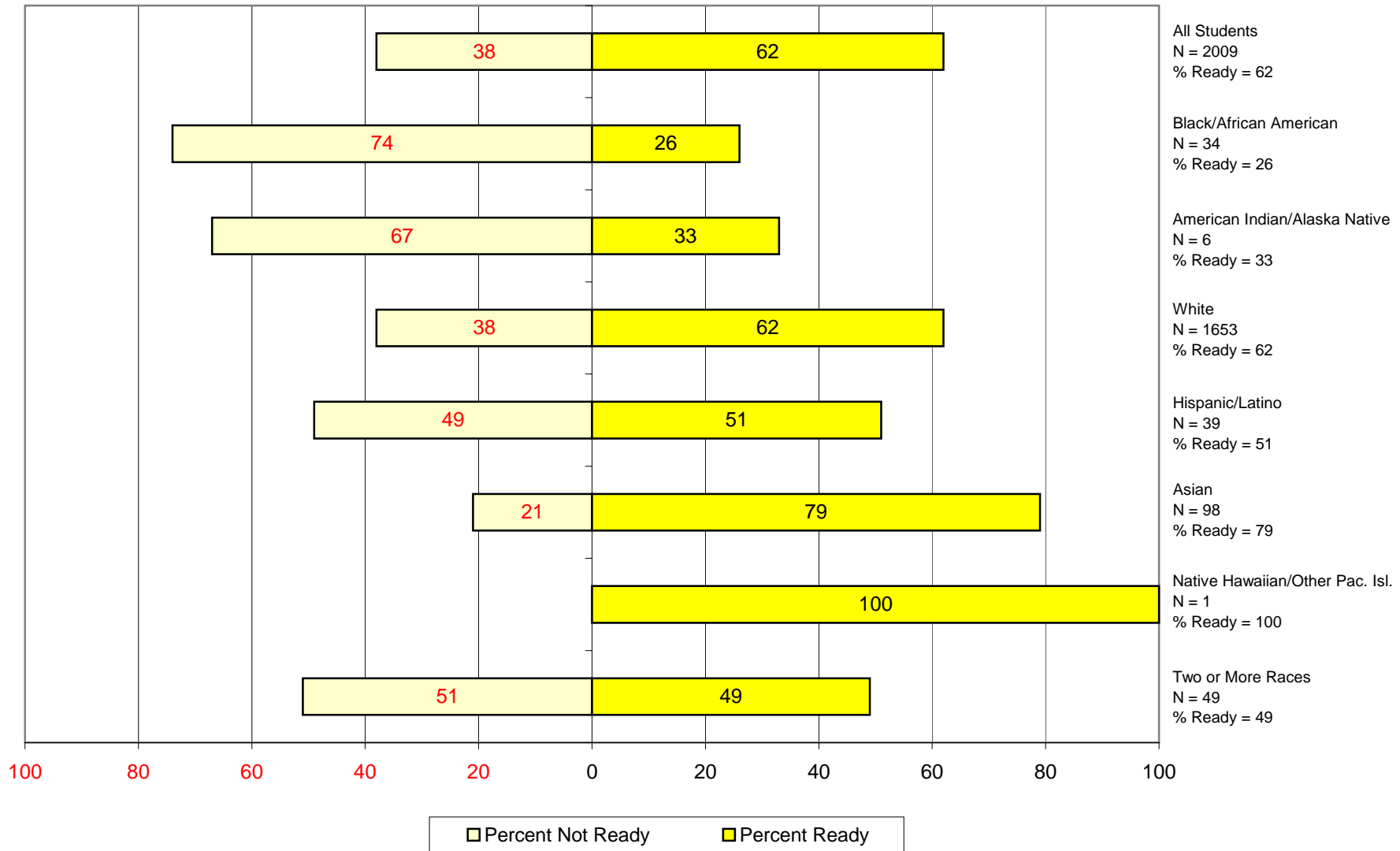
Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ENGLISH



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

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

ACT Mathematics Benchmark Score = **22**

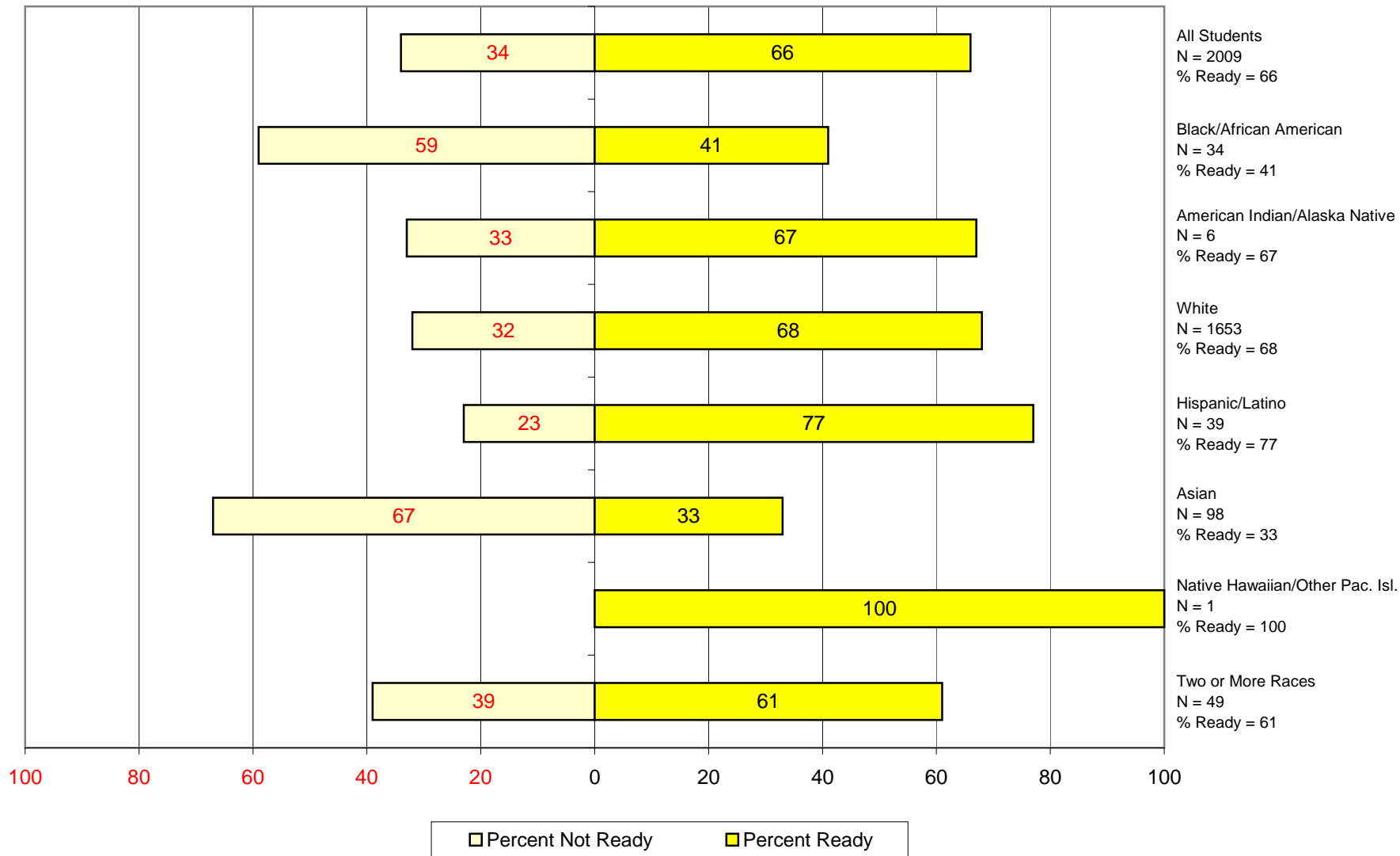


¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 2,009

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

ACT Reading Benchmark Score = **21**

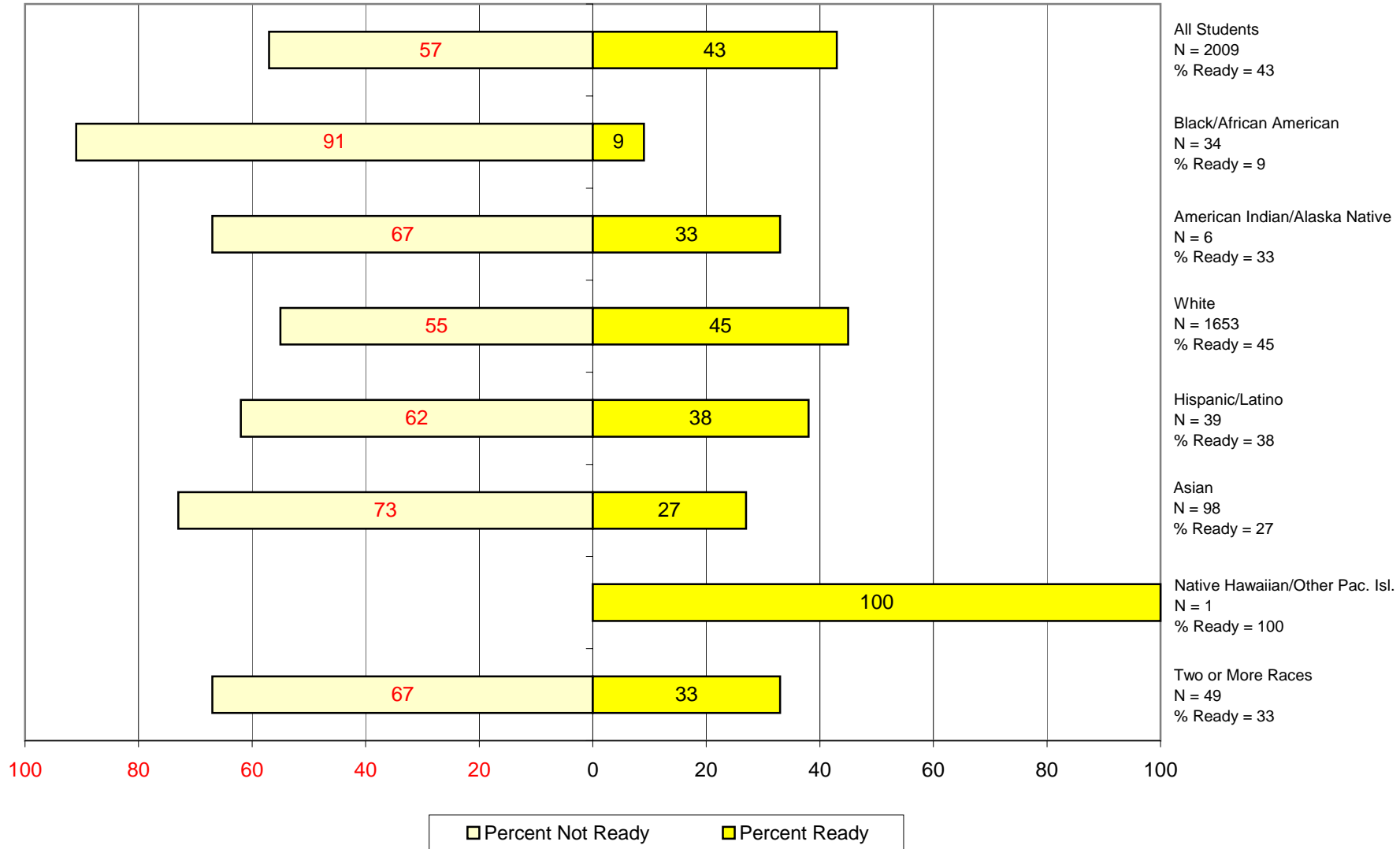


¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 2,009

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

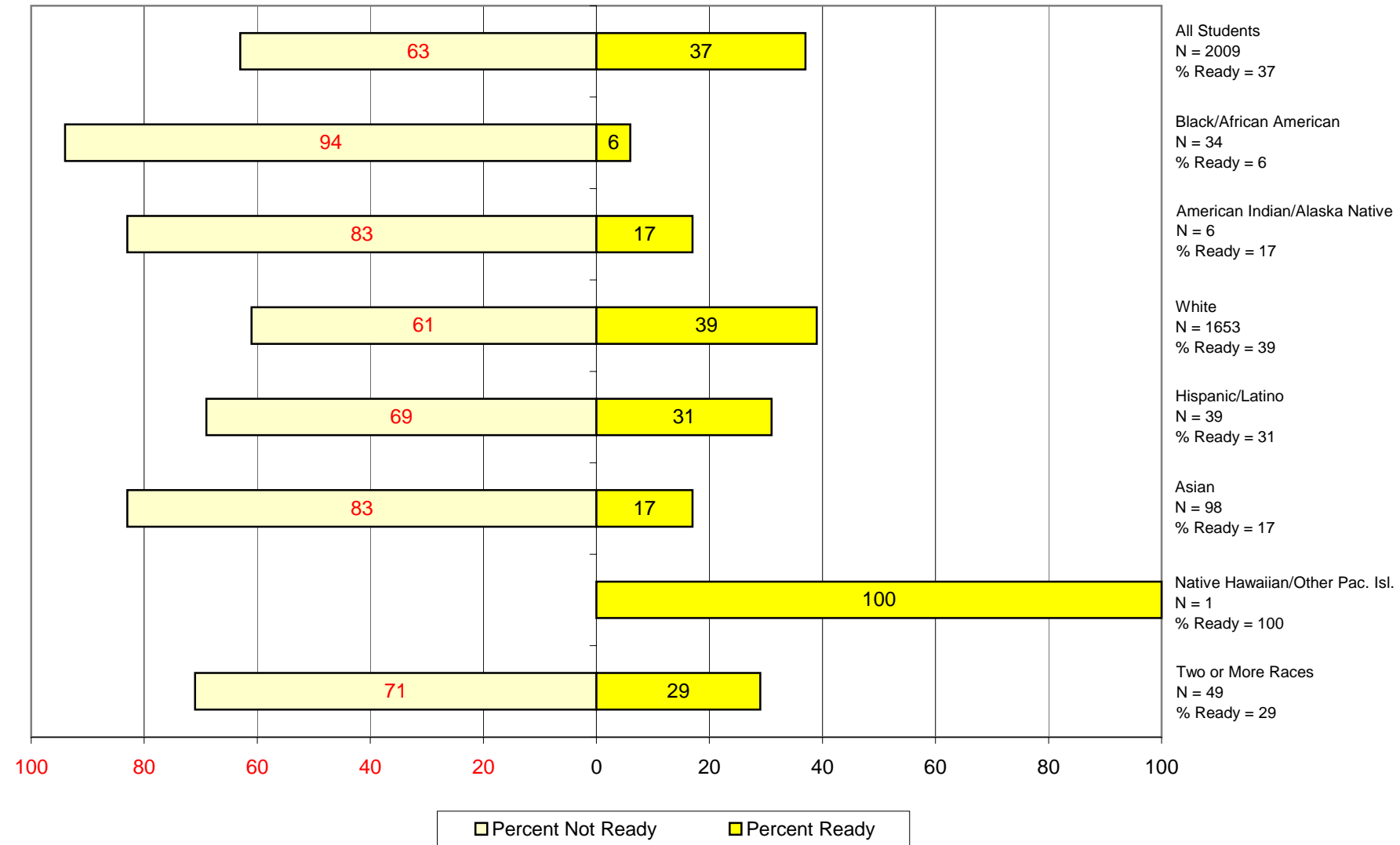
ACT Science Benchmark Score = **24**



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

Total Students in Report: 2,009

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: 2,009

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	638	32	23.1	5.6	250	29	22.8	5.9	388	34	23.3	5.5
Eng 9, Eng 10, Eng 11, Eng 12	1,290	64	22.7	5.2	587	67	22.3	5.4	703	62	23.0	5.2
Less than 4 years of English	45	2	17.5	-	16	2	16.9	-	29	3	17.8	-
Zero years / no English courses reported	36	2	17.9	-	20	2	16.2	-	16	1	20.1	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	208	10	26.8	9.2	95	11	27.3	8.0	113	10	26.3	9.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	183	9	22.3	4.7	79	9	23.0	3.7	104	9	21.9	5.2
Alg 1, Alg 2, Geom, & Trig	112	6	21.3	3.7	45	5	22.0	2.7	67	6	20.8	4.1
Alg 1, Alg 2, Geom, & Other Adv Math	286	14	20.6	3.0	75	9	21.6	2.3	211	19	20.2	3.5
Other comb of 4 or more years of Math	777	39	25.2	7.6	394	45	25.8	6.5	383	34	24.5	7.8
Alg 1, Alg 2, & Geom	191	10	18.2	0.6	72	8	18.4	-0.9	119	10	18.0	1.3
Other comb of 3 or 3.5 years of Math	101	5	23.3	5.7	52	6	23.3	4.0	49	4	23.3	6.6
Less than 3 years of Math	101	5	17.6	-	37	4	19.3	-	64	6	16.7	-
Zero years / no Math courses reported	50	2	18.1	-	24	3	18.4	-	26	2	17.8	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	150	7	25.0	2.7	75	9	24.1	1.6	75	7	25.9	3.8
Other comb of 4 or more years Social Science	698	35	23.5	1.2	329	38	23.0	0.5	369	32	24.0	1.9
US Hist, World Hist, & Am Gov	112	6	24.0	1.7	46	5	25.0	2.5	66	6	23.3	1.2
Other comb of 3 or 3.5 years of Social Science	509	25	23.8	1.5	200	23	23.9	1.4	309	27	23.7	1.6
Less than 3 years of Social Science	503	25	22.3	-	202	23	22.5	-	301	26	22.1	-
Zero years / no Social Science courses reported	37	2	19.2	-	21	2	17.1	-	16	1	22.0	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,228	61	23.5	5.0	590	68	24.2	5.2	638	56	22.9	4.7
Bio, Chem, Phys	162	8	23.3	4.8	63	7	24.0	5.0	99	9	22.9	4.7
Gen Sci ² , Bio, Chem	388	19	21.3	2.8	114	13	21.0	2.0	274	24	21.4	3.2
Other comb of 3 years of Natural Science	51	3	22.1	3.6	32	4	22.4	3.4	19	2	21.5	3.3
Less than 3 years of Natural Science	143	7	18.5	-	53	6	19.0	-	90	8	18.2	-
Zero years / no Natural Science courses reported	37	2	18.3	-	21	2	17.7	-	16	1	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: 2,009

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	638	32	23.1	81	380,162	23	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	1,290	64	22.7	79	1,178,400	71	20.5	67
Less than 4 years of English	45	2	17.5	47	64,748	4	16.5	41
Zero years / no English courses reported	36	2	17.9	53	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	208	10	26.8	90	108,668	7	24.0	69
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	183	9	22.3	62	151,050	9	22.0	58
Alg 1, Alg 2, Geom, & Trig	112	6	21.3	54	115,739	7	19.6	34
Alg 1, Alg 2, Geom, & Other Adv Math	286	14	20.6	42	279,658	17	19.9	36
Other comb of 4 or more years of Math	777	39	25.2	80	585,086	35	23.6	66
Alg 1, Alg 2, & Geom	191	10	18.2	17	228,058	14	17.3	12
Other comb of 3 or 3.5 years of Math	101	5	23.3	68	82,509	5	19.9	35
Less than 3 years of Math	101	5	17.6	18	69,741	4	16.6	8
Zero years / no Math courses reported	50	2	18.1	22	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	150	7	25.0	71	47,179	3	22.3	59
Other comb of 4 or more years Social Science	698	35	23.5	68	887,744	53	21.9	56
US Hist, World Hist, & Am Gov	112	6	24.0	66	84,563	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	509	25	23.8	69	452,172	27	21.2	51
Less than 3 years of Social Science	503	25	22.3	60	149,266	9	19.7	40
Zero years / no Social Science courses reported	37	2	19.2	38	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	1,228	61	23.5	51	740,499	44	21.9	39
Bio, Chem, Phys	162	8	23.3	46	171,734	10	23.0	47
Gen Sci ¹ , Bio, Chem	388	19	21.3	32	466,992	28	20.0	22
Other comb of 3 years of Natural Science	51	3	22.1	39	45,992	3	19.5	20
Less than 3 years of Natural Science	143	7	18.5	15	194,661	12	18.4	13
Zero years / no Natural Science courses reported	37	2	18.3	16	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: 2,009

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	43	2	21.5	4	7	17.3	35	2	21.8
Architecture	39	2	22.4	0	0	.	37	2	22.3
Area, Ethnic, & Multidisciplinary Studies	12	1	23.7	0	0	.	10	1	24.3
Arts: Visual & Performing	130	6	22.3	2	4	22.0	107	7	22.1
Business	155	8	21.0	5	9	15.2	135	8	21.2
Communications	52	3	22.4	0	0	.	48	3	22.3
Community, Family, & Personal Services	22	1	19.0	1	2	14.0	19	1	19.5
Computer Science & Mathematics	44	2	25.3	3	5	17.3	35	2	26.2
Education	90	4	20.8	5	9	15.0	74	5	21.0
Engineering	142	7	25.9	1	2	21.0	128	8	26.0
Engineering Technology & Drafting	24	1	21.8	3	5	13.0	18	1	22.2
English & Foreign Languages	40	2	25.1	0	0	.	36	2	25.1
Health Administration & Assisting	32	2	19.9	0	0	.	30	2	20.0
Health Sciences & Technologies	304	15	22.3	9	16	18.7	265	16	22.4
Philosophy, Religion, & Theology	5	0	24.6	0	0	.	4	0	23.8
Repair, Production, & Construction	17	1	17.1	10	18	16.0	4	0	20.8
Sciences: Biological & Physical	195	10	25.7	0	0	.	177	11	25.9
Social Sciences & Law	174	9	23.1	1	2	13.0	156	10	23.0
Undecided	424	21	23.8	9	16	16.8	298	18	23.9
No Response	65	3	18.2	3	5	15.3	11	1	22.0

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: 2,009

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	17	16.0	0	.	0	.	13	15.6	0	.
2-yr College Degree	39	16.8	1	13.0	1	17.0	30	17.4	0	.
Bachelors Degree	833	21.5	14	15.9	1	19.0	704	21.8	16	22.7
Graduate Study	409	24.7	6	20.0	0	.	346	25.0	10	21.6
Prof. Level Degree	385	25.5	8	20.9	2	24.0	326	25.6	7	26.1
Other	14	23.1	1	17.0	0	.	11	23.9	1	22.0
No Response	312	22.5	4	16.8	2	22.5	223	22.3	5	23.2

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	17	16.0	3	16.0	0	.	0	.	1	21.0
2-yr College Degree	39	16.8	1	18.0	0	.	1	21.0	5	13.0
Bachelors Degree	833	21.5	38	18.5	1	24.0	27	21.0	32	22.2
Graduate Study	409	24.7	20	21.3	0	.	4	23.5	23	25.2
Prof. Level Degree	385	25.5	20	25.6	0	.	9	24.8	13	23.9
Other	14	23.1	0	.	0	.	0	.	1	22.0
No Response	312	22.5	16	22.3	0	.	8	19.9	54	24.5

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

Total Students in Report: 2,009

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

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
UNIVERSITY OF VERMONT	Vermont	329	155	174	1	5	15	29	30	19	2
STATE-COLLEGE/NO REPORTS NOW	Iowa	107	107	0	8	26	24	31	7	2	1
CASTLETON STATE COLLEGE	Vermont	93	32	61	3	14	41	29	11	2	0
CHAMPLAIN COLLEGE	Vermont	58	19	39	0	17	17	36	21	7	2
VERMONT TECHNICAL COLLEGE	Vermont	58	30	28	0	14	47	24	14	0	2
NORTHEASTERN UNIVERSITY	Massachusetts	56	15	41	0	0	7	20	29	43	2
UNIVERSITY OF NEW HAMPSHIRE	New Hampshire	55	13	42	0	0	33	29	29	5	4
SAINT MICHAEL'S COLLEGE	Vermont	47	6	41	2	9	23	32	17	17	0
BOSTON UNIVERSITY	Massachusetts	42	10	32	0	2	10	21	33	31	2
JOHNSON STATE COLLEGE	Vermont	40	16	24	5	10	33	43	10	0	0
LYNDON STATE COLLEGE	Vermont	37	11	26	0	24	49	22	5	0	0
BOSTON COLLEGE	Massachusetts	36	12	24	0	0	3	22	36	33	6
DARTMOUTH COLLEGE	New Hampshire	36	11	25	0	6	3	14	36	42	0
MIDDLEBURY COLLEGE	Vermont	32	10	22	0	3	0	16	22	44	16
NORWICH UNIVERSITY	Vermont	29	10	19	0	21	21	45	10	3	0
QUINNIPIAC UNIVERSITY	Connecticut	29	10	19	0	0	14	31	34	21	0
UNIVERSITY OF NEW ENGLAND	Maine	28	5	23	0	4	29	32	29	7	0
BROWN UNIVERSITY	Rhode Island	26	15	11	0	4	0	8	12	54	23
MCGILL UNIVERSITY		26	11	15	0	0	0	12	38	42	8
RENSSELAER POLYTECHNIC INSTITUTE	New York	25	6	19	0	0	0	20	16	52	12
NCAA ELIGIBILITY CENTER	Indiana	24	14	10	0	8	21	25	25	17	4
CLARKSON UNIVERSITY	New York	23	7	16	0	4	13	17	30	35	0
ITHACA COLLEGE	New York	22	4	18	0	0	9	59	23	5	5
ENDICOTT COLLEGE	Massachusetts	21	5	16	0	5	33	38	19	5	0
TUFTS UNIVERSITY	Massachusetts	21	5	16	0	0	5	14	24	38	19
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	20	3	17	0	5	20	25	30	20	0
UNIVERSITY OF CONNECTICUT	Connecticut	20	4	16	0	5	20	30	30	15	0
KEENE STATE COLLEGE	New Hampshire	18	4	14	0	11	56	33	0	0	0
ROCHESTER INST OF TECHNOLOGY	New York	17	3	14	0	0	6	18	12	59	6
UNIVERSITY OF RHODE ISLAND	Rhode Island	17	4	13	0	0	24	29	35	12	0
All Other Institutions		1,197	299	898	0	4	19	26	24	23	3
Total		2,589	856	1,733	1	6	20	27	23	20	3

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: 2,009

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

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	1,799	931,148	22.9	21.5	7.7	7.1	22.3	20.7
Black/African American	28	113,247	16.6	16.6	6.8	6.2	17.0	16.4
American Indian/Alaska Native	6	5,233	22.7	17.8	7.7	6.5	22.2	17.5
White	1,477	518,974	23.2	23.2	7.7	7.2	22.6	22.1
Hispanic/Latino	33	150,249	24.0	18.5	7.7	6.8	23.1	18.3
Asian	92	53,381	18.8	23.7	7.1	7.6	18.8	22.8
Native Hawaiian/Other Pac. Isl.	1	2,851	22.0	19.9	7.0	7.1	21.0	19.6
Two or more races	46	32,346	21.1	21.9	7.2	7.1	20.5	21.1
Prefer not/No Response	116	54,867	23.9	21.8	7.7	7.1	23.2	21.0
Males	759	413,617	22.5	21.2	7.5	6.8	21.9	20.3
Females	1,040	515,745	23.1	21.7	7.8	7.2	22.6	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.

