

ACT Profile Report - State

Graduating Class 2010
Vermont



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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.

Total Students in Report: 2,054

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

36% 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: 2,054 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. 70% 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, 10% were college ready. 9% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 23% of these students were college ready. In comparison, 68% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 5% of the cohort took less than three years of natural science courses. 10% of these students were college ready. In comparison, 45% 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.

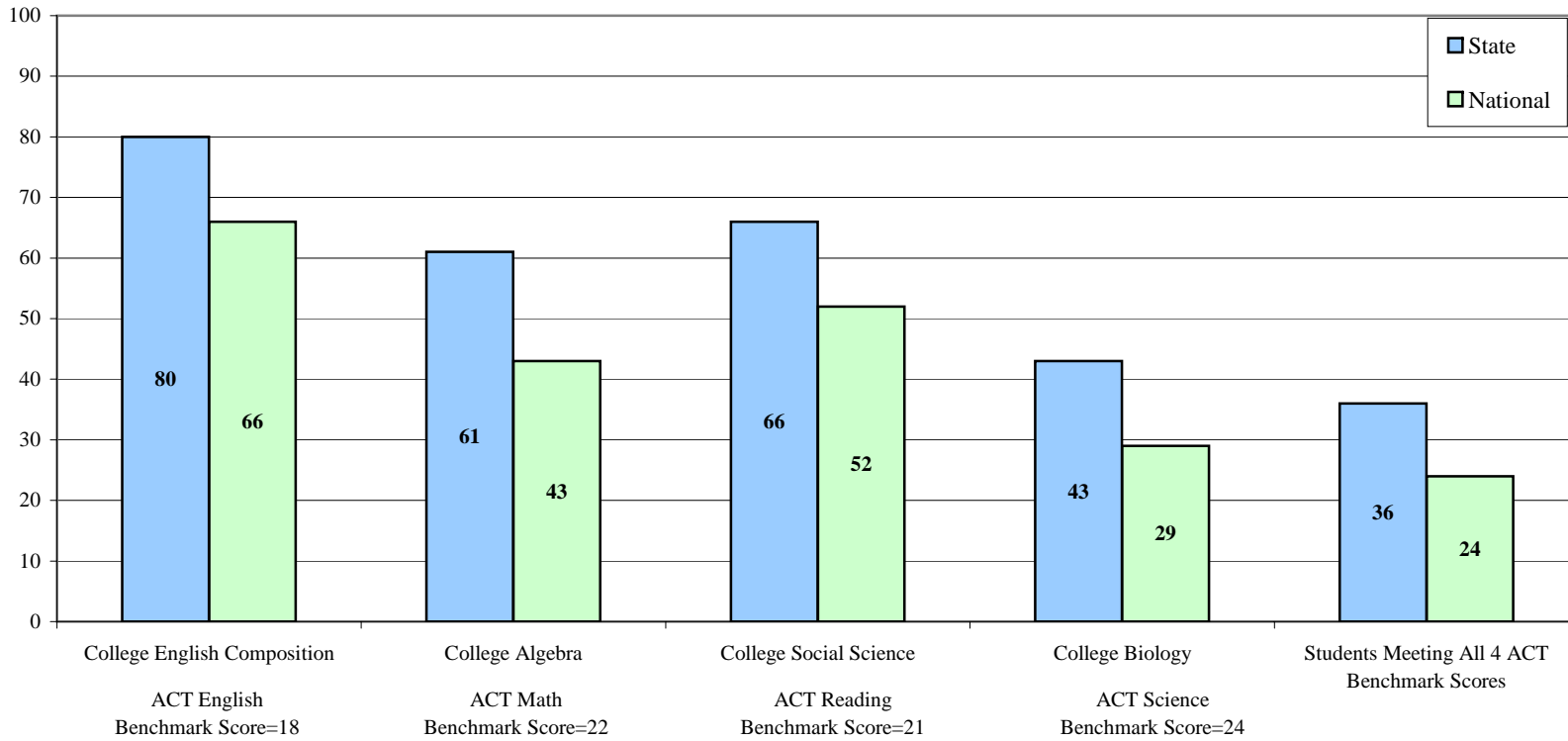
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 508-229-0111.

Section I

Executive Summary

Total Students in Report: 2,054

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: 2,054

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	1,528	1,206,455	78	69	53	42	62	53	36	27	29	21
2007	1,855	1,300,599	80	69	57	43	65	53	37	28	31	23
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

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	1,528	1,206,455	22.1	20.6	22.2	20.8	22.9	21.4	22.2	20.9	22.5	21.1
2007	1,855	1,300,599	22.6	20.7	22.5	21.0	23.3	21.5	22.3	21.0	22.8	21.2
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

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: 2,054

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	525	639	34	42	23.4	21.3	23.3	21.5	23.8	22.3	23.0	21.8	23.5	21.8
2007	680	732	37	39	23.8	21.8	23.7	21.9	24.6	22.5	23.5	21.6	24.0	22.1
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

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.

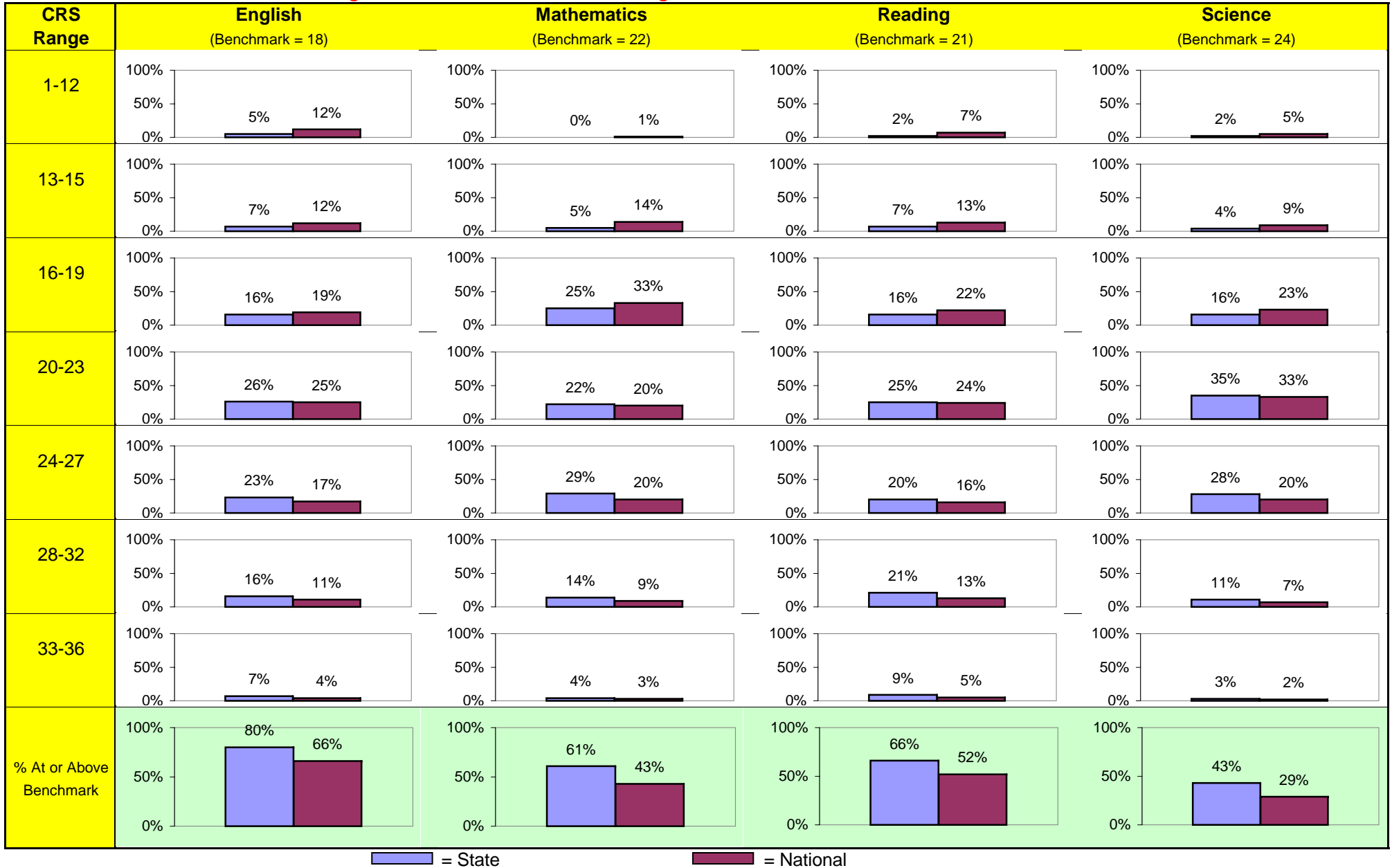
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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	1,528	100	22.5	1,855	100	22.8	2,203	100	22.7	2,008	100	23.1	2,054	100	23.2
African American/Black	16	1	18.1	12	1	17.5	18	1	19.6	29	1	19.4	22	1	17.6
American Indian/Alaska Native	4	0	23.5	7	0	20.7	6	0	21.2	3	0	15.7	4	0	21.0
Caucasian American/White	1,126	74	22.5	1,323	71	22.8	1,618	73	23.0	1,716	85	23.1	1,785	87	23.3
Hispanic	25	2	22.5	21	1	18.7	28	1	20.4	16	1	22.2	31	2	22.0
Asian American/Pacific Islander	34	2	21.1	32	2	22.3	40	2	22.6	38	2	23.2	43	2	21.5
Other/No Response	323	21	22.8	460	25	23.1	493	22	22.0	206	10	23.7	169	8	22.6

Total Students in Report: 2,054

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



Section II

Academic Achievement

Total Students in Report: 2,054

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	11	100	7	100	29	100	16	100	2	100	36
35	42	99	16	100	17	99	21	99	10	100	35
34	46	97	25	99	76	98	19	98	20	99	34
33	42	95	33	98	54	94	15	97	25	98	33
32	46	93	35	96	84	91	8	97	37	97	32
31	49	91	47	94	54	87	46	96	54	95	31
30	63	89	56	92	92	85	40	94	70	93	30
29	59	85	51	89	94	80	53	92	71	89	29
28	108	83	98	87	100	76	80	89	114	86	28
27	90	77	126	82	110	71	102	85	130	80	27
26	127	73	147	76	65	65	120	81	137	74	26
25	120	67	139	69	125	62	186	75	139	67	25
24	137	61	178	62	117	56	176	66	158	61	24
23	117	54	154	53	100	50	191	57	146	53	23
22	119	49	132	46	156	46	157	48	164	46	22
21	166	43	77	39	92	38	201	40	152	38	21
20	127	35	97	36	158	34	174	30	135	30	20
19	109	28	105	31	89	26	104	22	124	24	19
18	73	23	133	26	75	22	98	17	106	18	18
17	75	20	128	19	105	18	70	12	64	13	17
16	80	16	154	13	65	13	47	9	70	10	16
15	64	12	75	6	57	10	35	6	44	6	15
14	49	9	27	2	62	7	23	5	45	4	14
13	37	7	7	1	28	4	29	4	25	2	13
12	33	5	5	1	29	2	19	2	8	1	12
11	28	3	2	1	15	1	12	1	2	1	11
10	16	2	0	1	3	1	9	1	2	1	10
9	14	1	0	1	1	1	3	1	0	1	9
8	5	1	0	1	0	1	0	1	0	1	8
7	2	1	0	1	1	1	0	1	0	1	7
6	0	1	0	1	1	1	0	1	0	1	6
5	0	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	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	22.8 (6.0)		22.8 (5.1)		23.7 (6.1)		22.8 (4.8)		23.2 (4.9)		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: 2,054

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	128	100	40	100	82	100	122	100	117	100	25	100	20	100	18
17	98	94	26	98	138	96	262	94	151	94	40	99	21	99	17
16	147	89	184	97	172	89	127	81	157	87	82	97	96	98	16
15	151	82	211	88	165	81	222	75	163	79	98	93	185	93	15
14	164	74	176	78	170	73	124	64	183	71	253	88	225	84	14
13	153	67	244	69	162	65	174	58	192	62	266	76	303	73	13
12	154	59	253	57	210	57	198	50	198	53	236	63	269	59	12
11	172	52	248	45	192	46	221	40	201	43	297	51	220	46	11
10	263	43	188	33	182	37	155	29	150	34	238	37	274	35	10
9	181	30	180	24	207	28	111	22	176	26	230	25	157	21	9
8	112	22	106	15	142	18	94	16	172	18	149	14	113	14	8
7	136	16	87	10	136	11	84	12	122	9	66	7	73	8	7
6	85	9	40	5	51	5	73	8	49	4	23	4	51	5	6
5	51	5	48	3	29	2	55	4	17	1	28	2	19	2	5
4	33	3	21	1	8	1	22	2	4	1	8	1	12	1	4
3	21	1	2	1	6	1	6	1	1	1	11	1	12	1	3
2	5	1	0	1	2	1	3	1	1	1	0	1	4	1	2
1	0	1	0	1	0	1	1	1	0	1	4	1	0	1	1
Avg (SD)	11.5 (3.8)		11.8 (3.1)		11.9 (3.4)		12.4 (3.7)		12.2 (3.4)		11.4 (2.8)		11.6 (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)	27	26	28	26	27
Q2 (50th Percentile)	23	23	23	23	23
Q1 (25th Percentile)	19	18	19	20	20

Total Students in Report: 2,054

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	2,054	70	23.7	22.1
	African American/Black	22	86	18.4	12.7
	American Indian/Alaska Native	4	75	21.7	19.0
	Caucasian American/White	1,785	70	23.9	22.2
	Hispanic	31	71	22.9	20.1
	Asian American/Pacific Islander	43	79	21.7	20.8
	Other/No Response	169	63	22.7	22.7
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	22.8	22.8	23.7	22.8	23.2
	African American/Black	16.5	17.8	18.0	17.6	17.6
	American Indian/Alaska Native	20.0	20.0	20.8	23.0	21.0
	Caucasian American/White	23.1	22.9	23.9	23.0	23.3
	Hispanic	21.1	21.3	24.1	20.9	22.0
	Asian American/Pacific Islander	20.0	23.4	20.5	21.5	21.5
	Other/No Response	22.0	23.4	22.5	22.0	22.6
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: 2,054

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	81	4	176	9	71	3
	28 to 32	325	16	287	14	424	21	227	11
	24 to 27	474	23	590	29	417	20	584	28
	20 to 23	529	26	460	22	506	25	723	35
	16 to 19	337	16	520	25	334	16	319	16
	13 to 15	150	7	109	5	147	7	87	4
	01 to 12	98	5	7	0	50	2	43	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	854	42	22.4	23.7	23.5	23.5	23.4
	Females	1,200	58	23.1	22.2	23.7	22.3	23.0
	Missing	0	0
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	78	67	65	49	40
	Females	82	56	67	39	33
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 2,054

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	1,429	85	23.4	65	23.3	70	24.1	46	23.2	39	23.7
	Less than Core	598	71	21.6	50	21.8	60	22.8	37	21.9	30	22.1
	Missing ³	27	48	19.0	37	18.9	37	20.0	22	18.8	19	19.4
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	1,985	81	22.9	1,924	64	23.2	1,544	67	23.8	1,926	45	23.1
	Less than Core	51	51	19.7	105	10	17.3	494	64	23.3	109	10	18.3
	Missing ³	18	61	20.4	25	36	18.8	16	56	23.1	19	32	20.9
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.

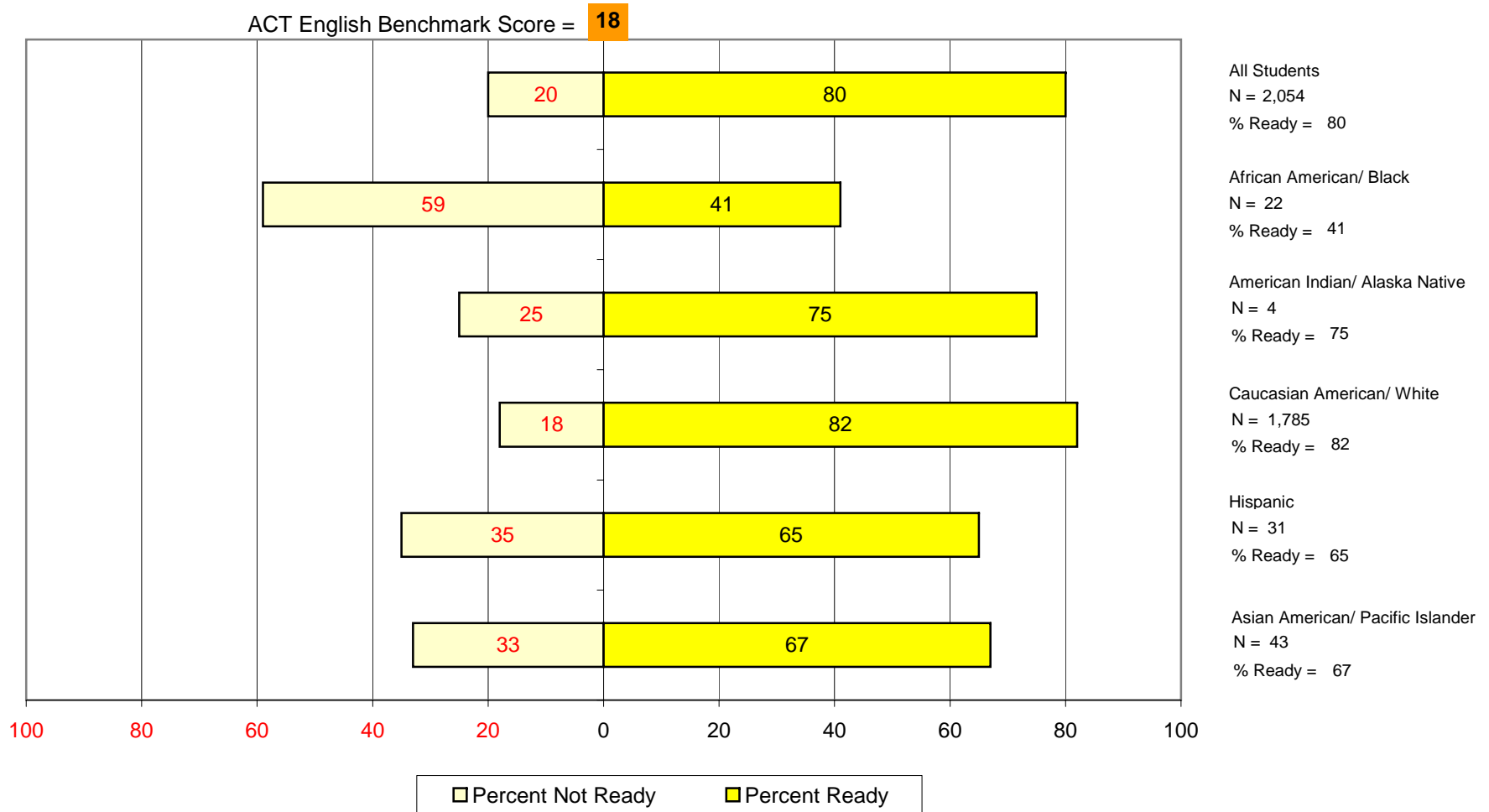
³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

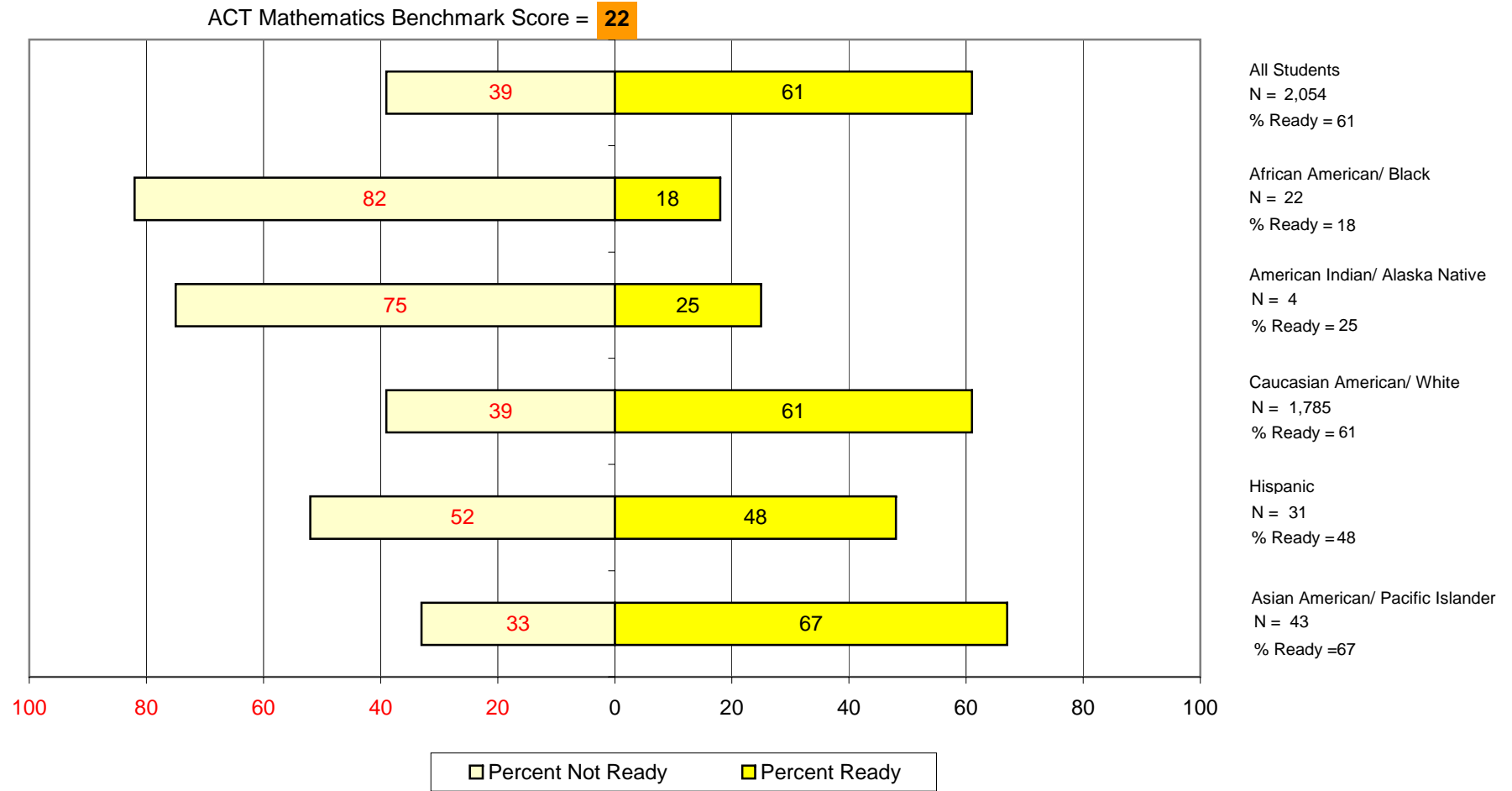
Total Students in Report: 2,054

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



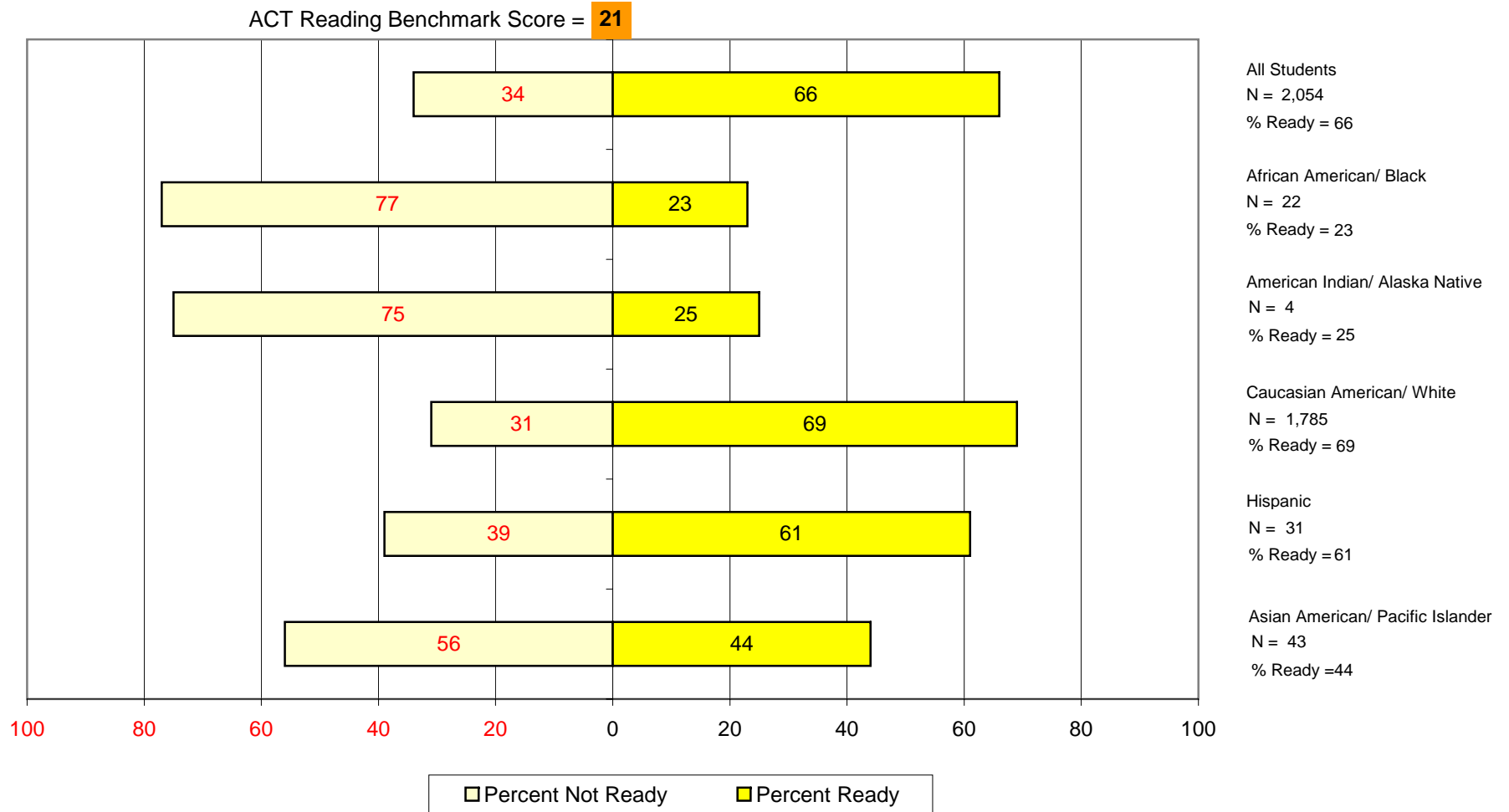
Total Students in Report: 2,054

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



Total Students in Report: 2,054

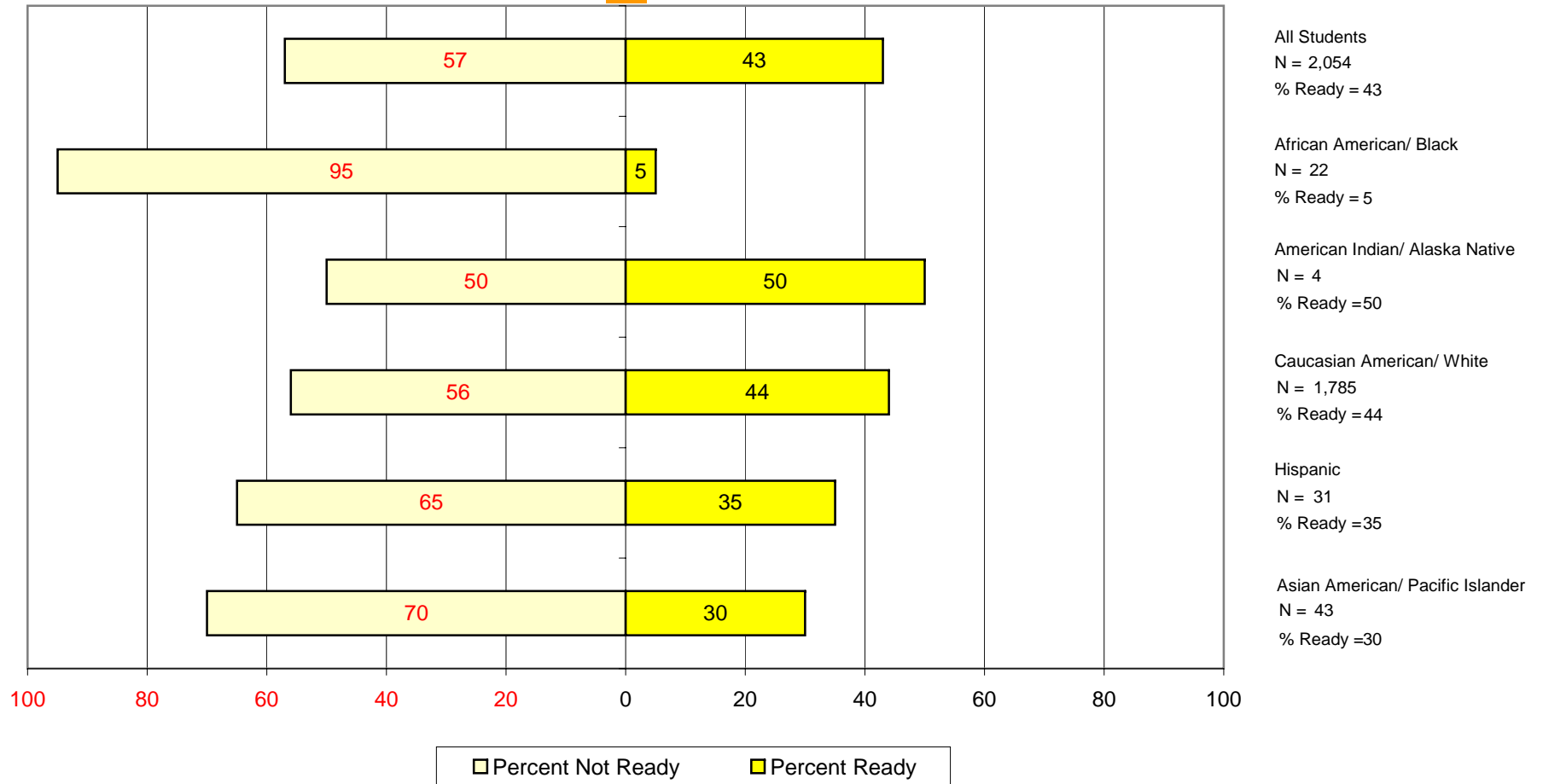
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



Total Students in Report: 2,054

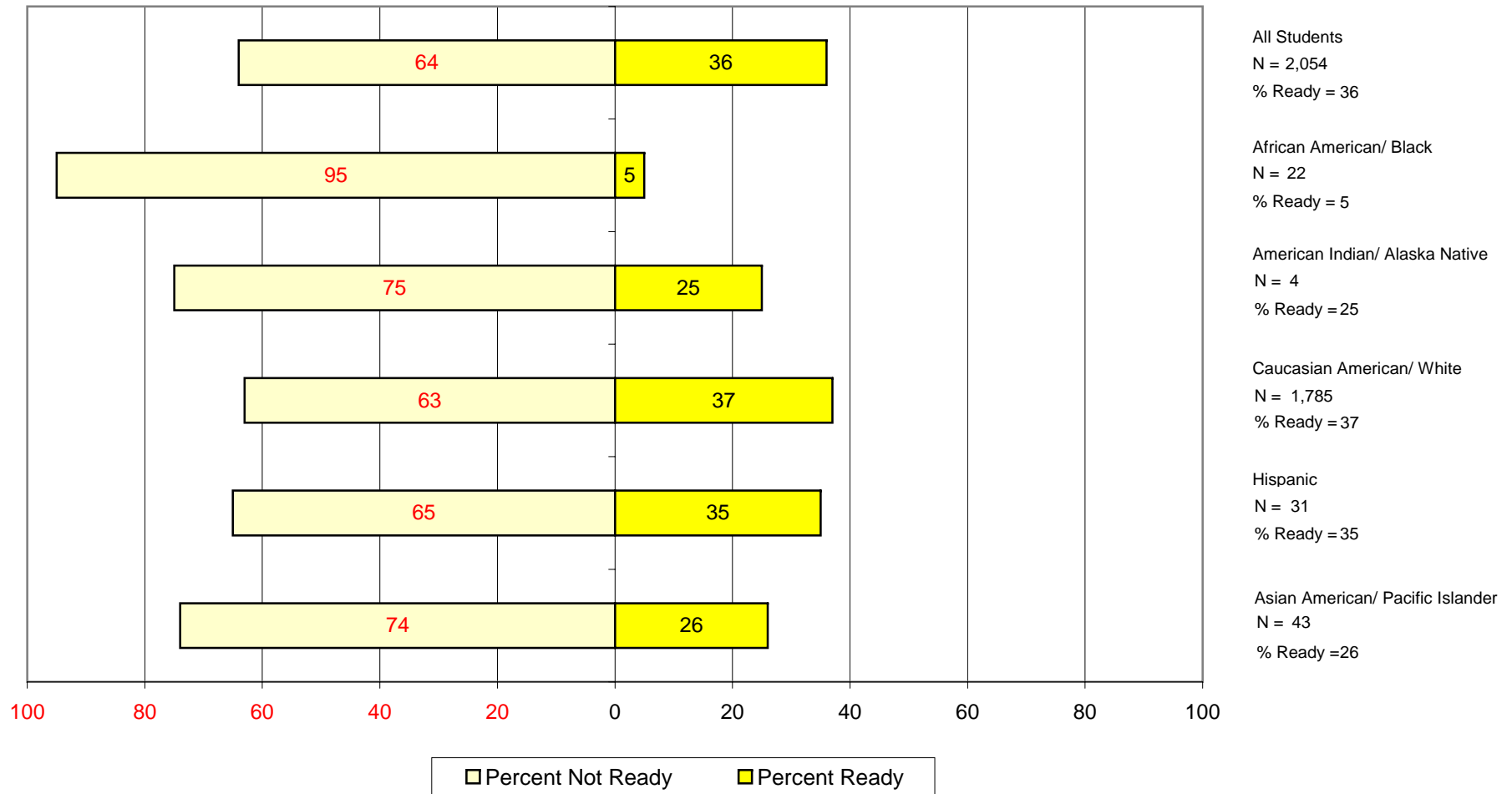
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24



Total Students in Report: 2,054

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



Total Students in Report: 2,054

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	648	32	23.5	3.8	249	29	22.9	3.8	399	33	23.9	3.8
Eng 9, Eng 10, Eng 11, Eng 12	1,337	65	22.7	3.0	572	67	22.4	3.3	765	64	22.9	2.8
Less than 4 years of English	51	2	19.7	-	24	3	19.1	-	27	2	20.1	-
Zero years / no English courses reported	18	1	20.4	-	9	1	19.2	-	9	1	21.7	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	197	10	26.6	9.3	68	8	26.6	9.0	129	11	26.6	9.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	235	11	22.6	5.3	68	8	23.6	6.0	167	14	22.2	5.2
Alg 1, Alg 2, Geom, & Trig	102	5	21.1	3.8	41	5	22.2	4.6	61	5	20.4	3.4
Alg 1, Alg 2, Geom, & Other Adv Math	289	14	21.0	3.7	98	11	21.8	4.2	191	16	20.6	3.6
Other comb of 4 or more years of Math	806	39	24.7	7.4	410	48	25.6	8.0	396	33	23.8	6.8
Alg 1, Alg 2, & Geom	195	9	18.7	1.4	69	8	19.7	2.1	126	11	18.2	1.2
Other comb of 3 or 3.5 years of Math	100	5	22.9	5.6	38	4	22.5	4.9	62	5	23.2	6.2
Less than 3 years of Math	105	5	17.3	-	50	6	17.6	-	55	5	17.0	-
Zero years / no Math courses reported	25	1	18.8	-	12	1	19.3	-	13	1	18.4	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	179	9	25.9	2.6	88	10	25.0	2.1	91	8	26.7	3.2
Other comb of 4 or more years Social Science	704	34	23.3	0.0	304	36	23.2	0.3	400	33	23.4	-0.1
US Hist, World Hist, & Am Gov	113	6	23.6	0.3	56	7	22.9	0.0	57	5	24.3	0.8
Other comb of 3 or 3.5 years of Social Science	548	27	23.8	0.5	195	23	24.3	1.4	353	29	23.5	0.0
Less than 3 years of Social Science	494	24	23.3	-	204	24	22.9	-	290	24	23.5	-
Zero years / no Social Science courses reported	16	1	23.1	-	7	1	22.6	-	9	1	23.4	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,267	62	23.7	5.4	570	67	24.5	6.2	697	58	23.1	4.7
Bio, Chem, Phys	144	7	23.7	5.4	56	7	24.6	6.3	88	7	23.1	4.7
Gen Sci ² , Bio, Chem	474	23	21.3	3.0	143	17	21.4	3.1	331	28	21.2	2.8
Other comb of 3 years of Natural Science	41	2	20.4	2.1	21	2	20.8	2.5	20	2	20.1	1.7
Less than 3 years of Natural Science	109	5	18.3	-	55	6	18.3	-	54	5	18.4	-
Zero years / no Natural Science courses reported	19	1	20.9	-	9	1	21.8	-	10	1	20.2	-

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: 2,054

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	648	32	23.5	84	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	1,337	65	22.7	80	1,096,437	70	20.5	66
Less than 4 years of English	51	2	19.7	51	74,180	5	16.4	39
Zero years / no English courses reported	18	1	20.4	61	43,106	3	15.7	34
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	197	10	26.6	88	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	235	11	22.6	64	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	102	5	21.1	52	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	289	14	21.0	46	239,289	15	20.0	36
Other comb of 4 or more years of Math	806	39	24.7	75	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	195	9	18.7	23	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	100	5	22.9	64	74,720	5	19.9	35
Less than 3 years of Math	105	5	17.3	10	97,949	6	16.4	7
Zero years / no Math courses reported	25	1	18.8	36	47,380	3	17.5	16
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	179	9	25.9	81	47,523	3	22.6	60
Other comb of 4 or more years Social Science	704	34	23.3	66	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	113	6	23.6	67	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	548	27	23.8	65	439,520	28	21.2	51
Less than 3 years of Social Science	494	24	23.3	64	156,679	10	19.5	39
Zero years / no Social Science courses reported	16	1	23.1	56	45,555	3	17.3	25
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	1,267	62	23.7	49	620,765	40	22.2	40
Bio, Chem, Phys	144	7	23.7	51	152,001	10	23.2	48
Gen Sci ¹ , Bio, Chem	474	23	21.3	32	474,375	30	20.1	21
Other comb of 3 years of Natural Science	41	2	20.4	34	43,231	3	19.7	21
Less than 3 years of Natural Science	109	5	18.3	10	231,566	15	18.3	12
Zero years / no Natural Science courses reported	19	1	20.9	32	46,897	3	17.4	10

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 2,054

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	26	1	18.8	5	12	14.2	18	1	20.1
Architecture & Environmental Design	46	2	22.8	1	2	20.0	42	2	22.8
Business & Management	162	8	21.8	2	5	16.0	139	8	22.1
Business & Office	9	0	19.9	1	2	15.0	8	0	20.5
Marketing & Distribution	8	0	21.0	0	0	.	8	0	21.0
Communications & Comm. Technologies	42	2	22.5	1	2	21.0	36	2	22.6
Community & Personal Services	30	1	18.5	1	2	14.0	28	2	19.0
Computer & Information Sciences	45	2	23.5	3	7	20.7	38	2	23.7
Cross-Disciplinary Studies	16	1	24.8	0	0	.	16	1	24.8
Education	81	4	21.8	2	5	15.5	71	4	22.0
Teacher Education	49	2	19.8	0	0	.	46	3	19.5
Engineering	87	4	25.5	0	0	.	82	5	25.4
Engineering-Related Technologies	49	2	24.3	0	0	.	45	3	24.6
Foreign Languages	27	1	25.6	0	0	.	25	1	25.8
Health Sciences & Allied Health Fields	299	15	22.2	9	21	14.7	264	15	22.4
Human, Family & Consumer Science	11	1	18.6	1	2	19.0	7	0	19.4
Letters	23	1	27.2	0	0	.	21	1	27.1
Mathematics	22	1	25.4	0	0	.	17	1	26.4
Philosophy, Religion & Theology	12	1	25.1	0	0	.	11	1	24.9
Sciences (Biological & Physical)	196	10	25.4	0	0	.	178	10	25.3
Social Sciences	185	9	24.7	0	0	.	163	9	24.5
Trade & Industrial	13	1	17.6	6	14	17.0	6	0	18.7
Visual & Performing Arts	134	7	22.6	4	10	18.0	113	7	22.8
Undecided	453	22	23.4	6	14	18.7	345	20	23.8
No Response	29	1	21.2	0	0	.	5	0	21.8

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: 2,054

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	7	19.1	0	.	0	.	6	19.0	0	.	0	.	1	20.0
2-yr College Degree	35	16.3	0	.	0	.	34	16.3	0	.	0	.	1	16.0
Bachelors Degree	829	22.0	9	18.0	1	20.0	753	22.2	11	21.2	12	18.3	43	21.9
Graduate Study	450	24.4	4	22.5	0	.	413	24.4	4	25.0	10	23.4	19	24.4
Prof. Level Degree	453	24.9	2	19.0	3	21.3	373	25.2	8	24.0	14	24.4	53	23.6
Other	29	23.7	0	.	0	.	26	23.5	0	.	0	.	3	25.3
No Response	251	22.6	7	14.0	0	.	180	23.5	8	19.5	7	18.3	49	21.4

Total Students in Report: 2,054

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	309	127	182	0	3	13	33	28	20	3	
CASTLETON STATE COLLEGE	Vermont	94	37	57	3	17	28	31	18	3	0	
CHAMPLAIN COLLEGE	Vermont	54	21	33	0	15	22	35	22	6	0	
SAINT MICHAEL'S COLLEGE	Vermont	52	9	43	0	4	13	33	38	12	0	
JOHNSON STATE COLLEGE	Vermont	51	13	38	0	22	33	29	12	4	0	
BOSTON UNIVERSITY	Massachusetts	45	13	32	0	0	2	36	38	22	2	
LYNDON STATE COLLEGE	Vermont	44	14	30	2	25	30	25	14	5	0	
VERMONT TECHNICAL COLLEGE	Vermont	41	23	18	5	15	29	39	10	2	0	
UNIVERSITY OF NEW HAMPSHIRE	New Hampshire	40	8	32	0	0	15	45	28	13	0	
BOSTON COLLEGE	Massachusetts	38	9	29	0	0	5	29	24	42	0	
NORTHEASTERN UNIVERSITY	Massachusetts	38	10	28	0	0	0	26	32	39	3	
DARTMOUTH COLLEGE	New Hampshire	34	9	25	0	0	6	12	24	44	15	
MIDDLEBURY COLLEGE	Vermont	32	13	19	0	3	3	6	34	47	6	
NORWICH UNIVERSITY	Vermont	29	10	19	0	10	28	24	38	0	0	
UNIVERSITY OF NEW ENGLAND	Maine	26	7	19	0	4	8	54	31	4	0	
RENSSELAER POLYTECHNIC INSTITUTE	New York	25	4	21	0	0	0	16	12	60	12	
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	25	2	23	0	4	12	52	24	8	0	
CLARKSON UNIVERSITY	New York	24	8	16	0	0	0	13	29	46	13	
CORNELL UNIVERSITY	New York	23	3	20	0	0	0	17	35	30	17	
NCAA ELIGIBILITY CENTER	Indiana	22	13	9	0	5	18	27	41	9	0	
ROCHESTER INST OF TECHNOLOGY	New York	22	5	17	0	0	5	14	23	50	9	
UNIVERSITY OF RHODE ISLAND	Rhode Island	22	3	19	0	0	23	23	45	9	0	
ITHACA COLLEGE	New York	21	4	17	0	0	14	14	43	29	0	
NEW YORK UNIVERSITY	New York	21	10	11	0	0	0	43	24	19	14	
QUINNIPIAC UNIVERSITY	Connecticut	21	6	15	0	0	10	43	48	0	0	
UNIVERSITY OF CONNECTICUT	Connecticut	21	5	16	0	5	10	24	43	19	0	
BROWN UNIVERSITY	Rhode Island	20	11	9	0	0	0	5	25	55	15	
STATE UNIV OF NY COLL AT PLATTSBURGH	New York	19	3	16	0	0	42	32	26	0	0	
KEENE STATE COLLEGE	New Hampshire	18	10	8	0	11	33	33	22	0	0	
SKIDMORE COLLEGE	New York	17	3	14	0	0	0	18	47	35	0	
All Other Institutions		1,371	358	1,013	0	3	14	29	27	25	2	
Total		2,619	771	1,848	0	5	15	29	27	22	2	

Section V Optional Writing Test Results

Total Students in Report: 2,054

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	1,736	869,014	23.4	21.4	7.8	7.1	22.8	20.8
African American/Black	17	107,638	17.8	16.4	7.0	6.4	18.1	16.4
American Indian/Alaska Native	3	6,232	20.7	18.9	7.3	6.6	20.7	18.4
Caucasian American/White	1,506	518,004	23.7	23.0	7.8	7.3	23.0	22.1
Hispanic	23	101,126	22.0	18.1	7.5	6.9	21.5	18.1
Asian American/Pacific Islander	36	49,922	20.8	23.6	7.6	7.7	20.8	22.9
Other/No Response	151	86,092	22.3	21.0	7.3	7.1	21.5	20.4
Males	705	384,152	23.0	21.1	7.4	6.9	22.2	20.3
Females	1,031	484,023	23.6	21.7	8.0	7.3	23.2	21.2
Missing	0	839	.	16.8	.	6.3	.	16.6

