

ACT Profile Report - State

Graduating Class 2009
Vermont



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This report provides information about the performance of your 2009 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2009 and tested under standard time conditions.

This report focuses on:

Performance - student test performance in the context of college readiness

Access - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

College Readiness - percent of students meeting ACT College Readiness Benchmark Scores in each content area

Awareness - extent to which student aspirations match performance

Articulation - colleges and universities to which your students send test results

Each year, test data for a school, district, and the state represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, or the state.

Further, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

Total Students in Report: 2,008

The ACT is a curriculum-based measure of college readiness. ACT components include:

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

The ACT:

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

34% 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: 2,008 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. 65% 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 the minimum math core (Algebra I, Algebra II, and Geometry). 17% of these students were college ready. In comparison, 64% of the students who advanced beyond minimum math core were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 6% of the cohort took less than three years of natural science courses. 8% of these students were college ready. In comparison, 43% 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 32% 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.

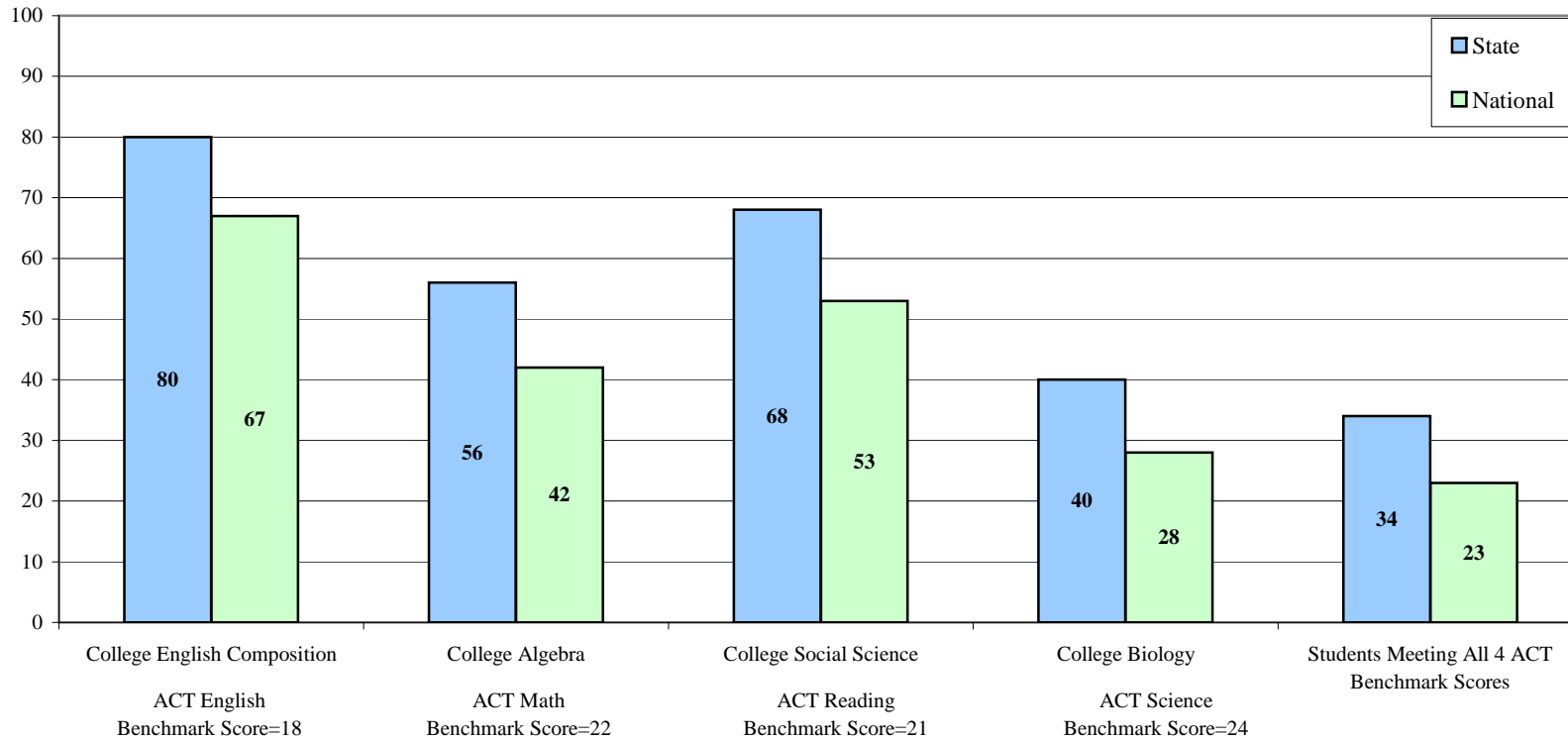
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 518-869-7378.

Section I

Executive Summary

Total Students in Report: 2,008

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: 2,008

Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks

Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2005	1,318	1,186,251	78	68	52	41	67	51	35	26	29	21
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

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	State	National	State	National	State	National	State	National	State	National	State	National
2005	1,318	1,186,251	22.3	20.4	22.1	20.7	23.5	21.3	22.1	20.9	22.6	20.9
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2005	1,186,251	20.4	20.7	21.3	20.9	20.9
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
2007	1,300,599	20.7	21.0	21.5	21.0	21.2
2008	1,421,941	20.6	21.0	21.4	20.8	21.1
2009	1,480,469	20.6	21.0	21.4	20.9	21.1

Total Students in Report: 2,008

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
	Core or More ¹	Less than Core	Core or More	Less than Core	English		Mathematics		Reading		Science		Composite	
					Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2005	489	505	37	38	23.5	21.3	23.1	21.3	24.4	22.7	23.0	21.6	23.6	21.8
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

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

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

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

	2005			2006			2007			2008			2009		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	1,318	100	22.6	1,528	100	22.5	1,855	100	22.8	2,203	100	22.7	2,008	100	23.1
African American/Black	11	1	19.8	16	1	18.1	12	1	17.5	18	1	19.6	29	1	19.4
American Indian/Alaska Native	7	1	19.9	4	0	23.5	7	0	20.7	6	0	21.2	3	0	15.7
Caucasian American/White	1,047	79	22.7	1,126	74	22.5	1,323	71	22.8	1,618	73	23.0	1,716	85	23.1
Hispanic	11	1	23.0	25	2	22.5	21	1	18.7	28	1	20.4	16	1	22.2
Asian American/Pacific Islander	34	3	21.6	34	2	21.1	32	2	22.3	40	2	22.6	38	2	23.2
Other/No Response	208	16	22.6	323	21	22.8	460	25	23.1	493	22	22.0	206	10	23.7

Section II

Academic Achievement

Total Students in Report: 2,008

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	12	100	48	100	11	100	3	100	36
35	36	99	16	99	11	98	16	99	10	100	35
34	58	98	30	99	55	97	10	99	21	99	34
33	43	95	36	97	82	94	29	98	35	98	33
32	55	93	42	95	49	90	27	97	44	97	32
31	47	90	46	93	84	88	36	95	52	94	31
30	59	88	40	91	90	84	42	94	68	92	30
29	64	85	80	89	85	79	56	91	79	88	29
28	92	81	88	85	91	75	65	89	94	84	28
27	72	77	112	81	100	70	72	85	120	80	27
26	96	73	157	75	80	65	110	82	102	74	26
25	144	68	140	67	78	61	194	76	140	69	25
24	132	61	125	60	122	58	136	67	138	62	24
23	104	55	112	54	110	51	174	60	157	55	23
22	158	50	98	48	115	46	153	51	163	47	22
21	153	42	140	44	157	40	153	44	139	39	21
20	118	34	102	37	105	32	212	36	121	32	20
19	86	28	107	31	119	27	166	25	135	26	19
18	75	24	126	26	63	21	100	17	103	19	18
17	80	20	146	20	89	18	48	12	105	14	17
16	78	16	136	13	72	14	43	10	60	9	16
15	72	12	75	6	64	10	48	8	51	6	15
14	57	9	29	2	70	7	45	5	39	3	14
13	35	6	12	1	36	3	30	3	12	1	13
12	24	4	0	1	11	2	11	2	13	1	12
11	24	3	0	1	13	1	9	1	4	1	11
10	22	2	0	1	4	1	5	1	0	1	10
9	7	1	1	1	1	1	1	1	0	1	9
8	2	1	0	1	2	1	3	1	0	1	8
7	3	1	0	1	2	1	0	1	0	1	7
6	0	1	0	1	0	1	3	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	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	22.9 (6.1)		22.9 (5.3)		23.7 (6.1)		22.5 (4.9)		23.1 (5.0)		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: 2,008

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	103	100	179	100	126	100	32	100	29	100	18
17	121	94	27	98	142	95	104	91	154	94	25	98	12	99	17
16	131	88	182	97	139	88	224	86	162	86	82	97	114	98	16
15	151	81	183	88	177	81	220	75	162	78	96	93	178	92	15
14	132	74	178	78	136	72	189	64	161	70	240	88	203	83	14
13	136	67	201	70	158	65	130	54	151	62	162	76	308	73	13
12	183	60	299	60	198	57	172	48	255	54	286	68	182	58	12
11	172	51	212	45	186	48	151	39	153	42	210	54	298	49	11
10	238	43	204	34	177	38	143	32	164	34	391	44	236	34	10
9	185	31	181	24	240	29	117	25	145	26	198	24	171	22	9
8	127	21	131	15	123	18	146	19	174	19	140	14	141	14	8
7	101	15	83	8	121	11	79	12	136	10	54	7	42	7	7
6	85	10	33	4	63	5	81	8	50	3	29	5	50	5	6
5	58	6	29	3	23	2	46	4	7	1	43	3	22	2	5
4	42	3	19	1	10	1	17	1	6	1	9	1	10	1	4
3	14	1	5	1	9	1	7	1	2	1	5	1	8	1	3
2	3	1	1	1	3	1	3	1	0	1	2	1	1	1	2
1	1	1	0	1	0	1	0	1	0	1	4	1	3	1	1
Avg (SD)	11.6 (3.8)		11.8 (3.0)		11.9 (3.5)		12.4 (3.8)		12.2 (3.5)		11.3 (2.8)		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	27	29	25	27
Q2 (50th Percentile)	23	23	23	22	23
Q1 (25th Percentile)	19	18	19	19	19

Total Students in Report: 2,008

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	2,008	65	23.7	22.2
	African American/Black	29	59	20.6	18.7
	American Indian/Alaska Native	3	33	16.0	15.5
	Caucasian American/White	1,716	66	23.5	22.3
	Hispanic	16	63	23.2	19.8
	Asian American/Pacific Islander	38	53	25.0	21.8
	Other/No Response	206	58	25.0	22.5
National	All Students	1,480,469	70	22.0	19.1
	African American/Black	196,149	64	17.6	15.9
	American Indian/Alaska Native	15,773	59	20.1	17.4
	Caucasian American/White	941,206	73	23.0	20.1
	Hispanic	133,569	67	19.6	17.3
	Asian American/Pacific Islander	59,093	80	23.7	21.4
	Other/No Response	134,679	63	22.2	19.0

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	22.9	22.9	23.7	22.5	23.1
	African American/Black	18.8	19.2	19.2	19.2	19.4
	American Indian/Alaska Native	14.3	15.7	15.0	17.0	15.7
	Caucasian American/White	22.9	22.8	23.7	22.5	23.1
	Hispanic	23.3	21.8	22.8	20.1	22.2
	Asian American/Pacific Islander	21.6	25.6	21.8	23.0	23.2
	Other/No Response	23.4	23.8	24.2	23.1	23.7
National	All Students	20.6	21.0	21.4	20.9	21.1
	African American/Black	16.0	17.1	16.9	17.2	16.9
	American Indian/Alaska Native	17.9	18.7	19.4	19.1	18.9
	Caucasian American/White	21.9	21.9	22.6	21.9	22.2
	Hispanic	17.7	19.1	18.9	18.8	18.7
	Asian American/Pacific Islander	22.6	24.5	22.7	22.7	23.2
	Other/No Response	20.4	21.0	21.3	20.7	20.9

Total Students in Report: 2,008

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	148	7	94	5	196	10	66	3
	28 to 32	317	16	296	15	399	20	226	11
	24 to 27	444	22	534	27	380	19	512	25
	20 to 23	533	27	452	23	487	24	692	34
	16 to 19	319	16	515	26	343	17	357	18
	13 to 15	164	8	116	6	170	8	123	6
	01 to 12	83	4	1	0	33	2	32	2
National	33 to 36	60,269	4	45,198	3	74,801	5	26,524	2
	28 to 32	154,245	10	139,060	9	205,090	14	104,787	7
	24 to 27	251,396	17	293,477	20	226,630	15	287,693	19
	20 to 23	376,203	25	300,212	20	361,756	24	492,815	33
	16 to 19	303,385	20	495,592	33	334,831	23	367,167	25
	13 to 15	179,194	12	198,214	13	195,336	13	131,197	9
	01 to 12	155,777	11	8,716	1	82,025	6	70,286	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	861	43	22.2	23.5	23.3	22.8	23.1
	Females	1,138	57	23.4	22.4	23.9	22.3	23.1
	Missing	9	0	23.7	22.9	23.7	23.2	23.6
National	Males	668,165	45	20.2	21.6	21.3	21.4	21.3
	Females	808,097	55	20.9	20.4	21.4	20.4	20.9
	Missing	4,207	0	20.3	21.2	21.5	20.8	21.1

Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	75	60	64	43	36
	Females	83	54	70	38	32
National	Males	65	47	52	33	27
	Females	69	38	53	24	20

Total Students in Report: 2,008

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

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ³	Avg
State	Core or More ²	1,299	84	23.5	60	23.4	73	24.3	44	23.0	37	23.7
	Less than Core	635	73	21.8	50	22.1	59	22.7	35	21.8	29	22.2
	Missing	74	61	20.1	45	21.0	46	20.6	22	20.5	18	20.8
National	Core or More	1,039,502	75	21.7	50	21.9	59	22.3	34	21.7	28	22.0
	Less than Core	391,458	52	18.3	25	18.9	38	19.4	16	19.2	12	19.1
	Missing	49,509	35	15.9	16	17.5	25	17.3	10	17.6	7	17.2

¹"Curriculum Taken" reflects overall high school curriculum in this table.

²"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

³Composite CRB% results reflect students who meet all four subject-area benchmarks.

Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More	1,892	81	23.0	1,830	60	23.2	1,409	71	24.0	1,826	43	22.8
	Less than Core	49	47	19.3	105	10	17.7	530	62	23.2	115	8	19.0
	Missing	67	64	20.5	73	44	21.0	69	46	20.8	67	24	20.5
National	Core or More	1,367,549	70	20.9	1,334,313	46	21.4	1,287,169	55	21.7	1,206,541	32	21.5
	Less than Core	73,276	42	16.8	101,413	7	16.5	151,264	41	19.7	230,683	12	18.4
	Missing	39,644	37	16.1	44,743	17	17.5	42,036	26	17.5	43,245	11	17.7

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

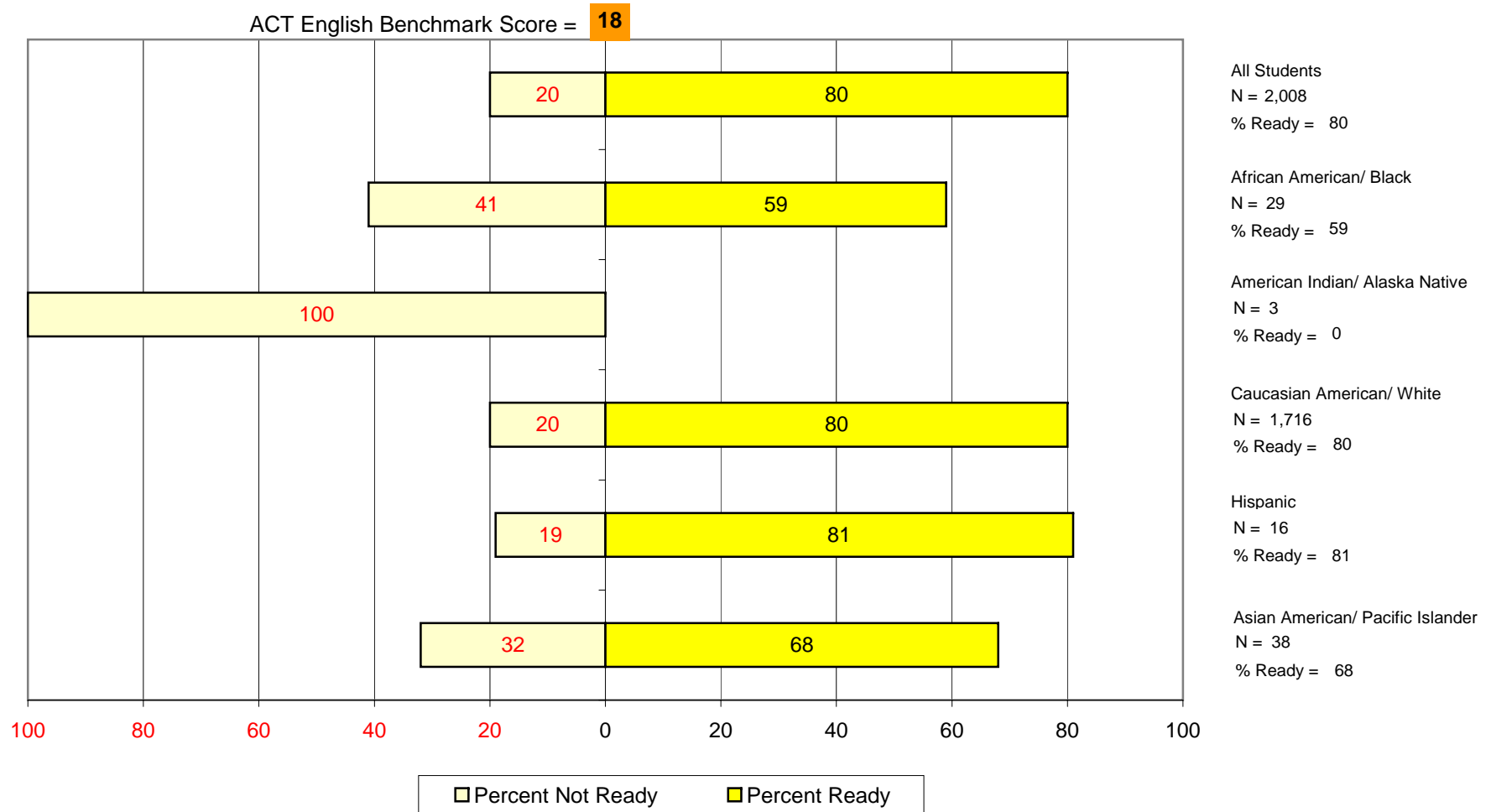
For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

Section III

College Readiness and the Impact of Course Rigor

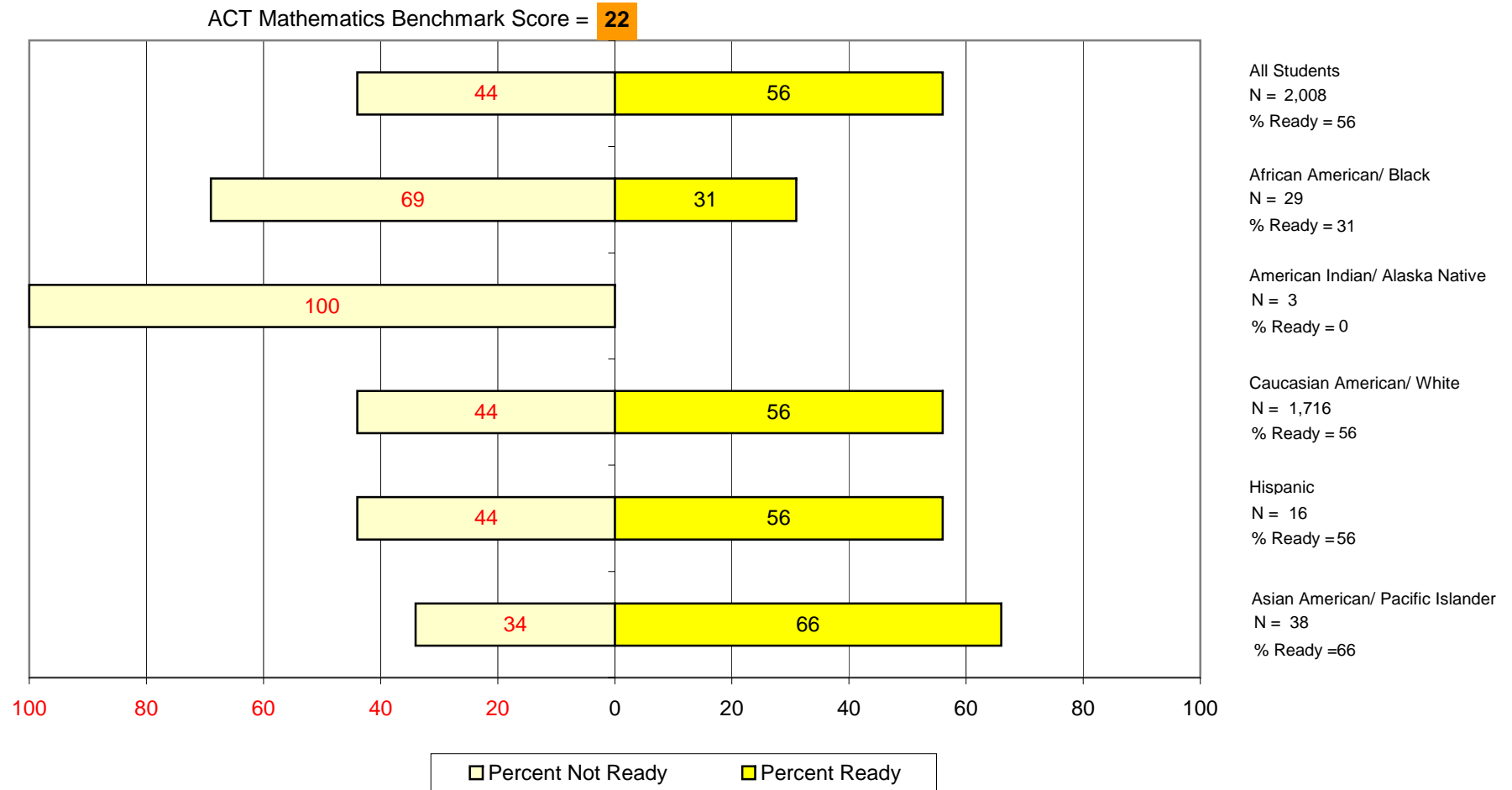
Total Students in Report: 2,008

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



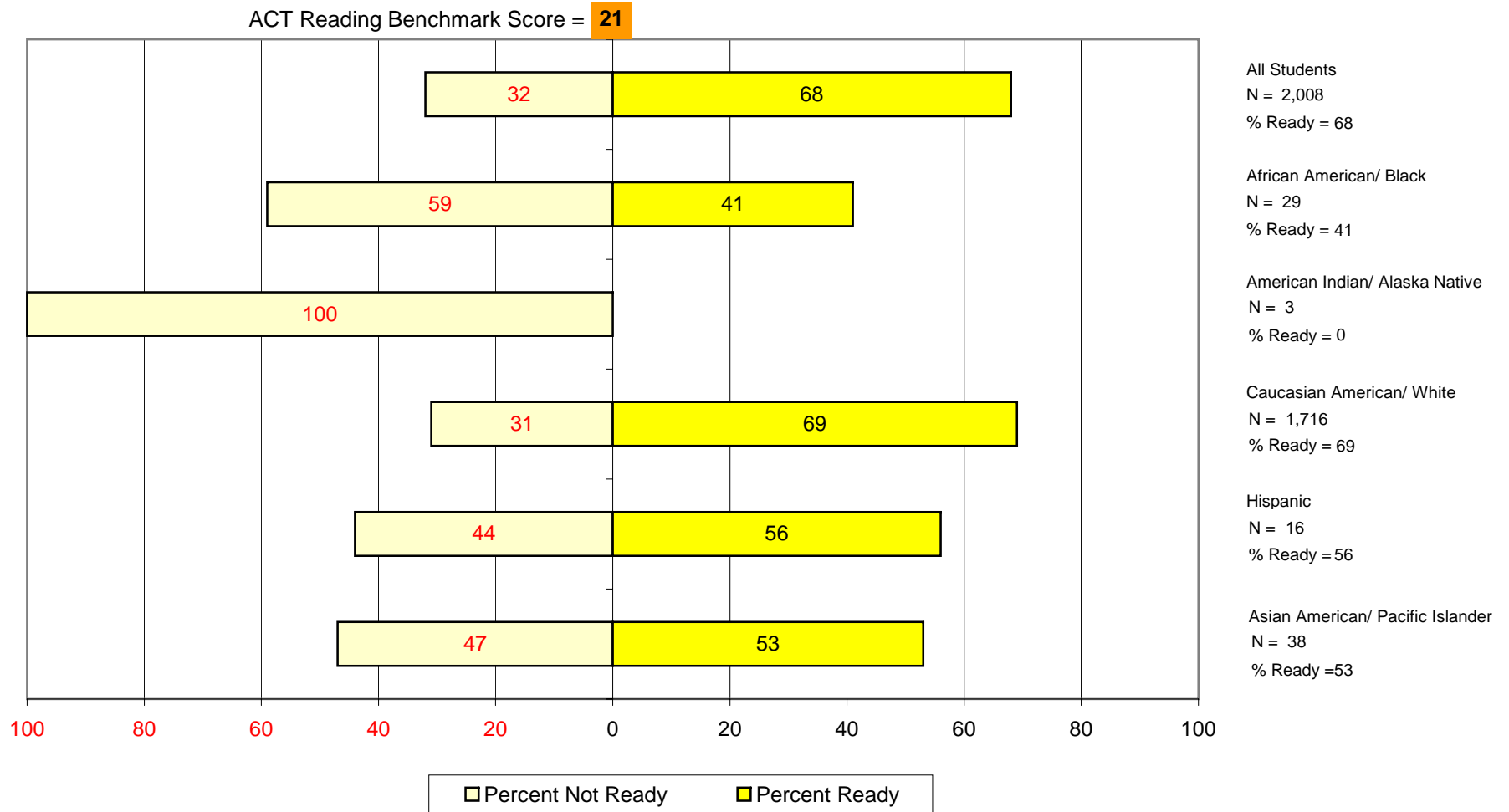
Total Students in Report: 2,008

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



Total Students in Report: 2,008

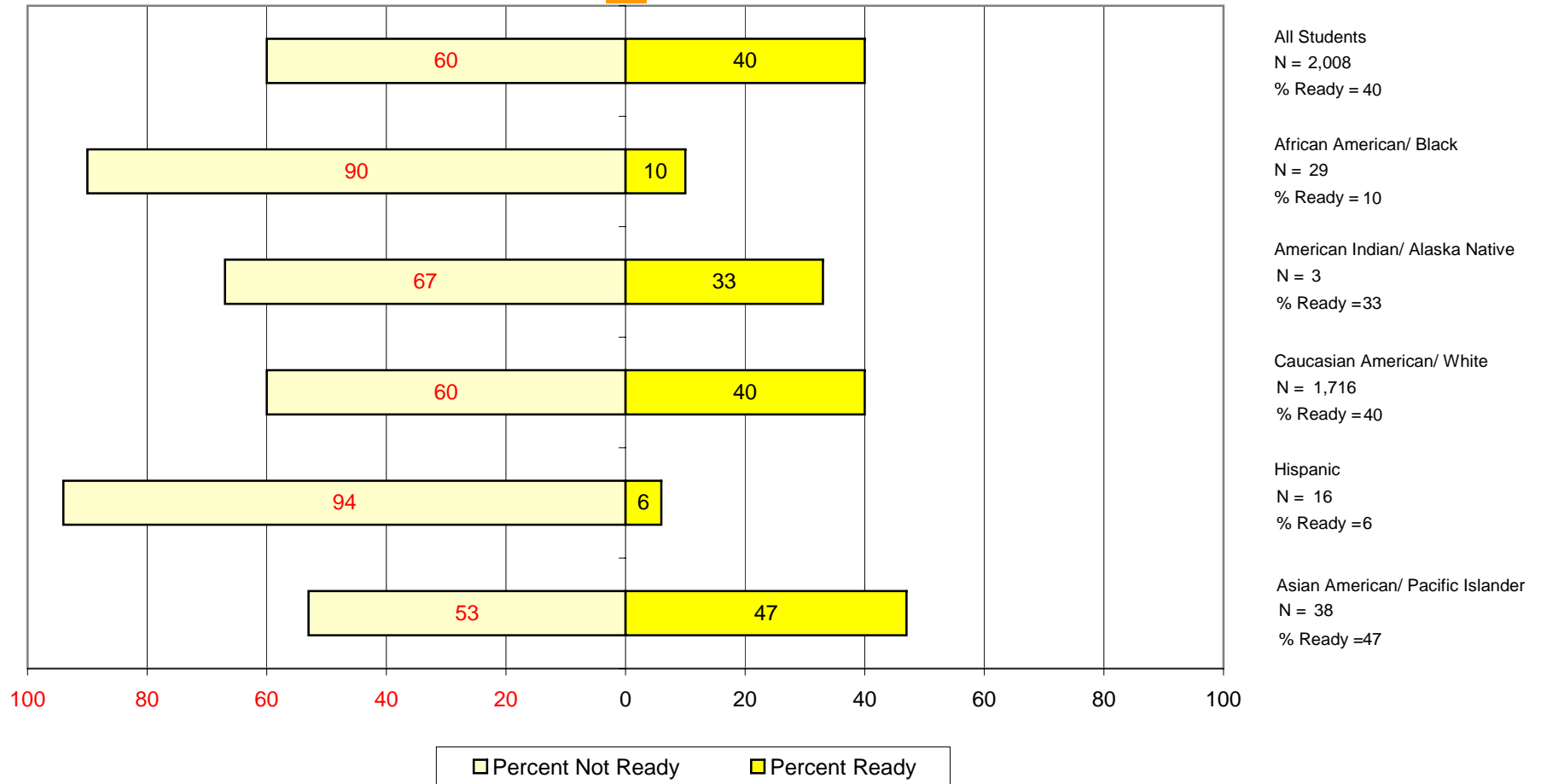
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



Total Students in Report: 2,008

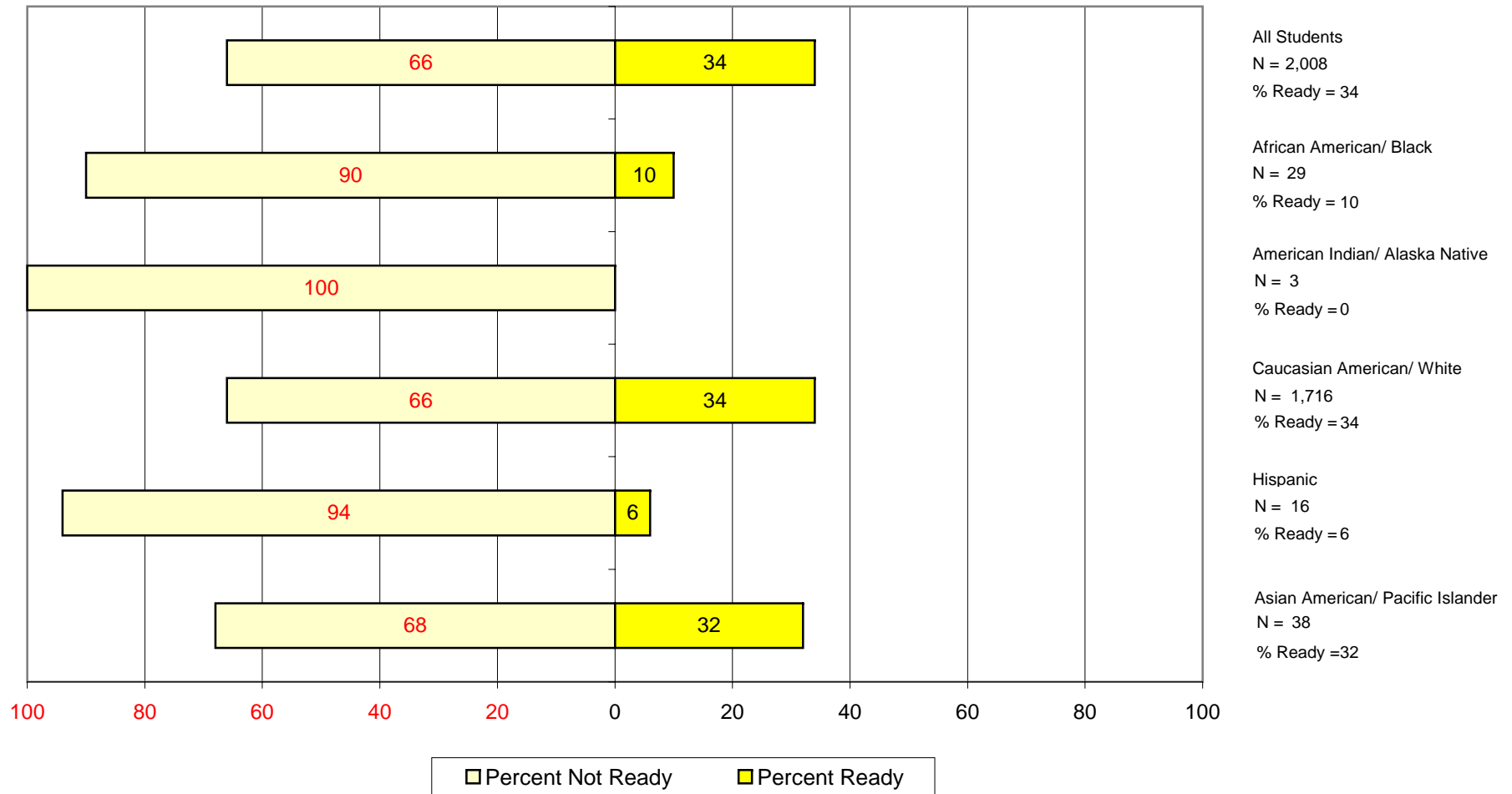
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = **24**



Total Students in Report: 2,008

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



Total Students in Report: 2,008

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	611	30	23.4	4.1	245	28	23.1	4.3	362	32	23.6	3.9
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	1,281	64	22.9	3.6	559	65	22.1	3.3	719	63	23.5	3.8
Less than 4 years of English	50	2	19.3	-	22	3	18.8	-	26	2	19.7	-
No English course/grade information reported	66	3	20.5	-	35	4	20.1	-	31	3	21.1	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	200	10	26.9	9.1	79	9	27.4	9.5	118	10	26.5	8.8
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	216	11	22.0	4.2	75	9	22.2	4.3	140	12	21.9	4.2
Alg 1, Alg 2, Geom, & Trig	138	7	20.1	2.3	54	6	20.8	2.9	84	7	19.7	2.0
Alg 1, Alg 2, Geom, & Other Adv Math	288	14	21.2	3.4	95	11	21.0	3.1	192	17	21.2	3.5
Other comb of 4 or more years of Math	678	34	25.5	7.7	348	40	26.0	8.1	330	29	25.1	7.4
Alg 1, Alg 2, & Geom (Min. Core)	185	9	18.6	0.8	77	9	18.9	1.0	106	9	18.3	0.6
Other comb of 3 or 3.5 years of Math	125	6	22.3	4.5	62	7	22.2	4.3	63	6	22.4	4.7
Less than 3 years of Math	107	5	17.8	-	35	4	17.9	-	70	6	17.7	-
No Math course/grade information reported	71	4	21.0	-	36	4	21.1	-	35	3	20.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	179	9	25.7	2.5	73	8	25.8	3.1	105	9	25.7	2.2
Other comb of 4 or more years Social Science	559	28	23.3	0.1	259	30	23.3	0.6	297	26	23.3	-0.2
US Hist, World Hist, & Am Gov (Min. Core)	111	6	23.7	0.5	51	6	23.1	0.4	60	5	24.2	0.7
Other comb of 3 or 3.5 years of Social Science	560	28	24.1	0.9	229	27	23.5	0.8	330	29	24.5	1.0
Less than 3 years of Social Science	531	26	23.2	-	214	25	22.7	-	313	28	23.5	-
No Soc Sci course/grade information reported	68	3	20.8	-	35	4	20.5	-	33	3	21.1	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,200	60	23.6	4.6	553	64	23.9	4.7	645	57	23.4	4.6
Bio, Chem, Phys	119	6	24.3	5.3	48	6	25.8	6.6	70	6	23.2	4.4
Gen Sci ² , Bio, Chem (Min. Core)	455	23	20.6	1.6	157	18	20.2	1.0	294	26	20.8	2.0
Other comb of 3 years of Natural Science	52	3	20.3	1.3	23	3	20.2	1.0	29	3	20.3	1.5
Less than 3 years of Natural Science	115	6	19.0	-	45	5	19.2	-	68	6	18.8	-
No Nat Sci course/grade information reported	67	3	20.5	-	35	4	20.3	-	32	3	20.7	-

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

²Includes General, Physical and Earth Sciences.

Total Students in Report: 2,008

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	611	30	23.4	83	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	1,281	64	22.9	81	1,029,431	70	20.6	68
Less than 4 years of English	50	2	19.3	48	74,090	5	16.7	42
No English course/grade information reported	66	3	20.5	64	38,830	3	16.1	37
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	200	10	26.9	87	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	216	11	22.0	53	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	138	7	20.1	36	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	288	14	21.2	43	220,868	15	20.1	36
Other comb of 4 or more years of Math	678	34	25.5	78	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	185	9	18.6	17	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	125	6	22.3	56	70,732	5	20.1	35
Less than 3 years of Math	107	5	17.8	10	105,591	7	16.5	7
No Math course/grade information reported	71	4	21.0	45	40,565	3	17.7	18
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	179	9	25.7	77	46,754	3	22.8	61
Other comb of 4 or more years Social Science	559	28	23.3	69	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	111	6	23.7	66	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	560	28	24.1	71	420,236	28	21.3	52
Less than 3 years of Social Science	531	26	23.2	63	152,775	10	19.7	40
No Soc Sci course/grade information reported	68	3	20.8	46	40,525	3	17.5	26
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	1,200	60	23.6	50	563,824	38	22.2	39
Bio, Chem, Phys	119	6	24.3	55	141,531	10	23.3	47
Gen Sci ¹ , Bio, Chem (Min. Core)	455	23	20.6	23	459,833	31	20.1	21
Other comb of 3 years of Natural Science	52	3	20.3	23	41,353	3	19.8	21
Less than 3 years of Natural Science	115	6	19.0	8	233,215	16	18.4	11
No Nat Sci course/grade information reported	67	3	20.5	24	40,713	3	17.7	11

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 2,008

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	17	1	19.2	2	4	18.0	13	1	19.3
Architecture & Environmental Design	40	2	22.2	2	4	16.0	33	2	22.5
Business & Management	191	10	21.8	5	9	18.2	172	10	21.9
Business & Office	9	0	20.6	2	4	17.5	7	0	21.4
Marketing & Distribution	17	1	23.2	1	2	20.0	14	1	23.9
Communications & Comm. Technologies	44	2	22.7	1	2	15.0	40	2	22.9
Community & Personal Services	25	1	19.4	1	2	12.0	22	1	19.6
Computer & Information Sciences	37	2	23.7	2	4	17.0	33	2	24.0
Cross-Disciplinary Studies	13	1	25.6	0	0	.	9	1	24.9
Education	81	4	20.9	2	4	16.5	73	4	20.8
Teacher Education	40	2	21.5	0	0	.	34	2	21.2
Engineering	77	4	24.9	1	2	17.0	72	4	25.0
Engineering-Related Technologies	79	4	23.5	2	4	17.5	67	4	23.7
Foreign Languages	21	1	27.0	0	0	.	19	1	27.2
Health Sciences & Allied Health Fields	251	13	22.5	8	15	17.6	230	14	22.6
Human, Family & Consumer Science	17	1	19.4	1	2	19.0	15	1	19.3
Letters	34	2	27.1	1	2	23.0	28	2	27.4
Mathematics	19	1	27.2	0	0	.	18	1	27.7
Philosophy, Religion & Theology	11	1	22.9	0	0	.	10	1	22.5
Sciences (Biological & Physical)	216	11	25.1	2	4	17.0	192	11	25.2
Social Sciences	168	8	24.3	1	2	22.0	157	9	24.3
Trade & Industrial	15	1	19.0	7	13	20.0	7	0	18.3
Visual & Performing Arts	147	7	21.9	5	9	16.0	119	7	22.4
Undecided	352	18	23.9	6	11	17.8	285	17	23.8
No Response	87	4	20.4	1	2	21.0	8	0	19.8

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

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

Total Students in Report: 2,008

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	9	18.1	0	.	0	.	9	18.1	0	.	0	.	0	.
2-yr College Degree	44	17.8	1	15.0	0	.	40	17.7	0	.	1	19.0	2	21.5
Bachelors Degree	844	21.4	12	19.1	2	15.5	768	21.4	4	20.8	10	19.8	48	22.5
Graduate Study	411	24.8	5	19.8	0	.	370	24.9	2	18.5	2	24.5	32	25.2
Prof. Level Degree	422	25.7	4	20.0	1	16.0	343	25.8	5	23.0	19	26.1	50	25.7
Other	25	21.7	0	.	0	.	22	21.5	0	.	0	.	3	23.0
No Response	253	22.8	7	19.9	0	.	164	23.1	5	24.0	6	20.0	71	22.6

Total Students in Report: 2,008

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	345	142	203	0	3	12	31	31	20	3	
CASTLETON STATE COLLEGE	Vermont	101	42	59	8	8	38	34	12	1	0	
CHAMPLAIN COLLEGE	Vermont	71	25	46	4	17	25	34	15	4	0	
VERMONT TECHNICAL COLLEGE	Vermont	61	27	34	2	11	41	28	11	7	0	
JOHNSON STATE COLLEGE	Vermont	57	20	37	2	19	42	23	12	2	0	
UNIVERSITY OF NEW HAMPSHIRE	New Hampshire	54	5	49	0	0	19	39	30	13	0	
SAINT MICHAEL'S COLLEGE	Vermont	52	7	45	0	6	19	33	29	12	2	
LYNDON STATE COLLEGE	Vermont	50	7	43	2	22	40	28	8	0	0	
NORTHEASTERN UNIVERSITY	Massachusetts	44	10	34	0	0	11	32	39	14	5	
BOSTON UNIVERSITY	Massachusetts	42	8	34	0	0	7	19	38	33	2	
DARTMOUTH COLLEGE	New Hampshire	41	12	29	0	5	2	10	34	34	15	
NORWICH UNIVERSITY	Vermont	37	13	24	3	5	30	32	24	5	0	
BOSTON COLLEGE	Massachusetts	35	6	29	0	0	6	20	37	34	3	
CORNELL UNIVERSITY	New York	33	10	23	0	0	0	21	27	33	18	
MIDDLEBURY COLLEGE	Vermont	32	9	23	0	0	13	13	28	22	25	
NCAA ELIGIBILITY CENTER	Indiana	28	14	14	0	0	18	39	25	18	0	
QUINNIPIAC UNIVERSITY	Connecticut	26	8	18	0	4	12	31	35	19	0	
RENSSELAER POLYTECHNIC INSTITUTE	New York	23	10	13	0	0	4	26	39	26	4	
ROCHESTER INST OF TECHNOLOGY	New York	23	6	17	0	4	13	13	39	26	4	
KEENE STATE COLLEGE	New Hampshire	22	4	18	0	5	41	36	14	5	0	
UNIVERSITY OF CONNECTICUT	Connecticut	22	8	14	0	5	5	36	36	18	0	
UNIVERSITY OF NEW ENGLAND	Maine	21	2	19	0	0	24	52	14	10	0	
UNIVERSITY OF RHODE ISLAND	Rhode Island	21	5	16	0	0	10	62	19	10	0	
BROWN UNIVERSITY	Rhode Island	20	6	14	0	0	0	10	30	45	15	
COMMUNITY COLLEGE OF VERMONT	Vermont	20	4	16	0	20	35	30	5	10	0	
MCGILL UNIVERSITY		20	3	17	0	0	5	10	20	55	10	
TUFTS UNIVERSITY	Massachusetts	20	1	19	0	0	5	0	30	60	5	
ITHACA COLLEGE	New York	18	8	10	0	0	11	17	44	28	0	
ST LAWRENCE UNIVERSITY	New York	18	4	14	0	6	0	11	22	50	11	
ENDICOTT COLLEGE	Massachusetts	17	4	13	0	0	24	41	29	6	0	
All Other Institutions		1,488	392	1,096	0	4	17	25	26	23	5	
Total		2,862	822	2,040	1	5	18	27	26	20	4	

Section V Optional Writing Test Results

Total Students in Report: 2,008

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	1,698	814,713	23.4	21.5	7.8	7.2	22.9	20.8
African American/Black	20	96,225	19.7	16.5	6.9	6.4	19.2	16.5
American Indian/Alaska Native	3	5,489	14.3	18.9	6.7	6.7	15.0	18.5
Caucasian American/White	1,447	497,164	23.5	22.8	7.8	7.3	22.9	21.9
Hispanic	11	85,681	25.8	18.4	7.5	7.0	24.4	18.4
Asian American/Pacific Islander	32	44,716	22.3	23.5	8.0	7.6	22.2	22.8
Other/No Response	185	85,438	23.7	21.4	7.9	7.2	23.1	20.8
Males	706	357,025	22.8	21.1	7.6	6.9	22.1	20.3
Females	985	455,190	23.8	21.7	8.0	7.4	23.4	21.2
Missing	7	2,498	26.6	22.1	7.9	7.2	25.1	21.3

