

# ACT High School Profile Report

The Graduating Class of 2006  
Vermont





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Vermont

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This report provides information about the performance of your 2006 graduating seniors who took the ACT as sophomores, juniors, or seniors.

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** - college and universities to which your students send test results

Each year, the graduating class data for a school, district, state, and the nation 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, state, or the nation.

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.

**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: A Test Like No Other**

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](http://www.act.org)

## How to Improve Scores and Increase College Readiness

29% of 2006 graduates 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.** 1,528 ACT-tested graduates 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. 34% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

**MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES.** Table 3.2 reports 12% of the cohort took less than three years of math courses. Of these students, 33% were college ready. 9% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 18% of these students were college ready. In comparison, 66% of the students who advanced beyond minimum 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 12% of the cohort took less than three years of natural science courses. 25% of these students were college ready. In comparison, 39% of students who took at least three years of science coursework were college ready.

**EVALUATING RIGOR OF COURSES.** Table 2.4 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 35% 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](http://www.act.org/standard).

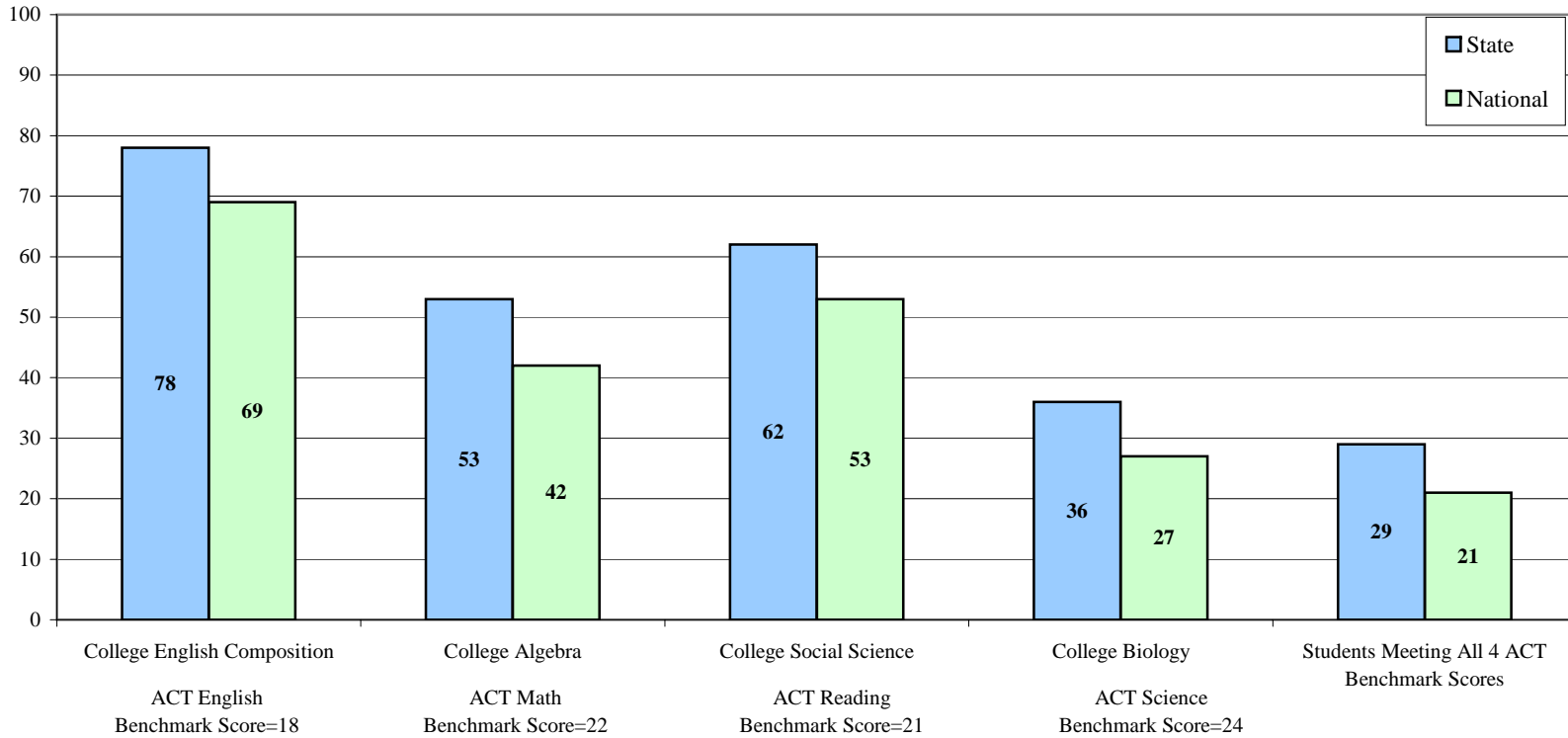
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic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

**Figure 1.1. Percent of ACT-Tested 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 courses.**



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

Grad 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
2002	793	1,116,082	76	67	50	39	67	53	33	26	28	20
2003	841	1,175,059	77	67	53	40	67	52	35	26	30	20
2004	1,008	1,171,460	79	68	54	40	68	52	39	26	33	21
2005	1,318	1,186,251	78	68	52	41	67	51	35	26	29	21
<b>2006</b>	<b>1,528</b>	<b>1,206,455</b>	<b>78</b>	<b>69</b>	<b>53</b>	<b>42</b>	<b>62</b>	<b>53</b>	<b>36</b>	<b>27</b>	<b>29</b>	<b>21</b>

**Table 1.2. Five Year Trends—Average ACT Scores**

Grad 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
2002	793	1,116,082	21.9	20.2	21.8	20.6	23.2	21.1	21.8	20.8	22.3	20.8
2003	841	1,175,059	22.1	20.3	21.9	20.6	23.4	21.2	22.0	20.8	22.5	20.8
2004	1,008	1,171,460	22.4	20.4	22.2	20.7	23.5	21.3	22.2	20.9	22.7	20.9
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
<b>2006</b>	<b>1,528</b>	<b>1,206,455</b>	<b>22.1</b>	<b>20.6</b>	<b>22.2</b>	<b>20.8</b>	<b>22.9</b>	<b>21.4</b>	<b>22.2</b>	<b>20.9</b>	<b>22.5</b>	<b>21.1</b>

**Table 1.3. Five Year Trends—Average ACT Scores Nationwide**

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2002	1,116,082	20.2	20.6	21.1	20.8	20.8
2003	1,175,059	20.3	20.6	21.2	20.8	20.8
2004	1,171,460	20.4	20.7	21.3	20.9	20.9
2005	1,186,251	20.4	20.7	21.3	20.9	20.9
<b>2006</b>	<b>1,206,455</b>	<b>20.6</b>	<b>20.8</b>	<b>21.4</b>	<b>20.9</b>	<b>21.1</b>

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

Grad Year	Number of Students Tested		Percent <sup>1</sup>		Average ACT Scores									
	Core or More	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
2002	321	302	40	38	22.7	21.0	22.6	21.0	24.1	22.0	22.5	21.0	23.1	21.3
2003	335	314	40	37	22.9	21.0	22.6	21.2	24.2	22.4	22.7	21.4	23.2	21.6
2004	387	355	38	35	23.2	21.5	22.9	21.6	24.3	22.8	22.9	21.8	23.5	22.1
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
<b>2006</b>	<b>525</b>	<b>639</b>	<b>34</b>	<b>42</b>	<b>23.4</b>	<b>21.3</b>	<b>23.3</b>	<b>21.5</b>	<b>23.8</b>	<b>22.3</b>	<b>23.0</b>	<b>21.8</b>	<b>23.5</b>	<b>21.8</b>

<sup>1</sup>Percent of all students tested. Numbers will not add up to 100% due to student non-response.

**Table 1.5. Five-Year Trends—Number, Percentage, and Average Composite Score for ACT-Tested Graduates by Race/Ethnicity**

	2002			2003			2004			2005			2006		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>793</b>	<b>100</b>	<b>22.3</b>	<b>841</b>	<b>100</b>	<b>22.5</b>	<b>1,008</b>	<b>100</b>	<b>22.7</b>	<b>1,318</b>	<b>100</b>	<b>22.6</b>	<b>1,528</b>	<b>100</b>	<b>22.5</b>
African American/Black	6	1	20.0	5	1	23.6	9	1	16.0	11	1	19.8	16	1	18.1
American Indian/Alaskan Native	4	1	22.3	4	0	19.5	6	1	20.7	7	1	19.9	4	0	23.5
Caucasian American/White	631	80	22.3	667	79	22.6	769	76	22.8	1,047	79	22.7	1,126	74	22.5
Hispanic	10	1	24.0	8	1	21.0	13	1	19.3	11	1	23.0	25	2	22.5
Asian American/Pacific Islander	27	3	19.7	20	2	20.8	18	2	23.1	34	3	21.6	34	2	21.1
Other/No Response	115	15	22.6	137	16	22.0	193	19	22.9	208	16	22.6	323	21	22.8

# Section II

# Academic Achievement

**Table 2.1. ACT Score Distributions, Cumulative Percentages (CP<sup>1</sup>), and Score Averages for All Students**

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
36	6	100	4	100	13	100	6	100	0	100	36
35	10	100	6	100	28	99	11	100	4	100	35
34	29	99	22	99	38	97	10	99	9	100	34
33	18	97	8	98	44	95	13	98	10	99	33
32	25	96	18	97	28	92	21	97	27	98	32
31	28	94	20	96	48	90	20	96	25	97	31
30	47	92	38	95	51	87	7	95	47	95	30
29	53	89	47	92	55	84	29	94	43	92	29
28	81	86	60	89	61	80	46	92	62	89	28
27	54	81	93	85	74	76	49	89	89	85	27
26	69	77	113	79	68	71	123	86	107	79	26
25	94	73	109	72	97	67	72	78	100	72	25
24	100	66	103	65	85	60	137	73	93	66	24
23	87	60	92	58	98	55	145	64	116	60	23
22	108	54	70	52	94	48	144	55	128	52	22
21	121	47	106	47	70	42	137	45	131	44	21
20	115	39	90	41	94	38	150	37	107	35	20
19	68	32	85	35	95	32	139	27	92	28	19
18	76	27	91	29	63	25	83	18	97	22	18
17	74	22	137	23	81	21	48	12	74	16	17
16	72	17	106	14	55	16	40	9	74	11	16
15	60	13	63	7	42	12	33	6	39	6	15
14	44	9	26	3	55	10	22	4	24	4	14
13	22	6	12	1	37	6	13	3	17	2	13
12	17	4	6	1	34	4	14	2	10	1	12
11	17	3	1	1	9	1	8	1	2	1	11
10	13	2	0	1	3	1	4	1	0	1	10
9	10	1	1	1	7	1	3	1	1	1	9
8	8	1	1	1	1	1	1	1	0	1	8
7	2	1	0	1	0	1	0	1	0	1	7
6	0	1	0	1	0	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
Average	22.1		22.2		22.9		22.2		22.5		Average

<sup>1</sup>Note: CP is the cumulative percent of students at or below a score point. Also, shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

**Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP<sup>1</sup>), and Subtest Score Averages for All Students**

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 <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
18	69	100	13	100	37	100	70	100	52	100	11	100	21	100	18
17	76	95	48	99	116	98	117	95	81	97	33	99	23	99	17
16	71	91	78	96	88	90	131	88	136	91	35	97	41	97	16
15	105	86	141	91	95	84	135	79	97	82	70	95	92	94	15
14	138	79	141	82	86	78	135	70	124	76	169	90	183	88	14
13	112	70	139	72	148	72	133	62	176	68	103	79	198	76	13
12	133	63	189	63	164	63	172	53	171	56	260	72	176	63	12
11	129	54	211	51	126	52	124	42	115	45	150	55	164	52	11
10	175	45	164	37	138	44	108	33	158	38	248	46	281	41	10
9	137	34	170	26	161	35	109	26	102	27	211	29	116	23	9
8	111	25	95	15	169	24	83	19	159	21	107	16	87	15	8
7	117	18	58	9	71	13	76	14	99	10	23	9	66	10	7
6	62	10	35	5	64	8	67	9	40	4	50	7	41	5	6
5	48	6	29	3	33	4	43	4	11	1	27	4	7	3	5
4	26	3	14	1	18	2	20	2	2	1	13	2	21	2	4
3	16	1	3	1	10	1	5	1	3	1	11	1	2	1	3
2	3	1	0	1	1	1	0	1	2	1	2	1	7	1	2
1	0	1	0	1	3	1	0	1	0	1	5	1	2	1	1
Average	11.2		11.5		11.3		12.0		11.8		11.0		11.3		Average

<sup>1</sup>Note: CP is the cumulative percent of students at or below a score point.

**Table 2.3. Average ACT Composite Scores by Level of Preparation by Race/Ethnicity**

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	1,528	34	23.5	21.8
	African Am./Black	16	38	20.7	16.3
	Am. Indian/Alaskan Native	4	75	21.3	30.0
	Caucasian Am./White	1,126	37	23.4	22.0
	Hispanic	25	48	22.8	21.6
	Asian Am./Pacific Islander	34	38	24.4	19.3
	Other/No Response	323	24	24.1	21.9
National	All Students	1,206,455	54	22.0	19.7
	African Am./Black	139,118	53	17.8	16.2
	Am. Indian/Alaskan Native	13,635	48	20.2	17.5
	Caucasian Am./White	760,084	56	22.9	20.6
	Hispanic	85,796	52	19.5	17.6
	Asian Am./Pacific Islander	39,867	60	22.9	21.1
	Other/No Response	167,955	41	22.2	19.8

**Table 2.4. 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	63	4	40	3	123	8	40	3
	28 to 32	234	15	183	12	243	16	123	8
	24 to 27	317	21	418	27	324	21	381	25
	20 to 23	431	28	358	23	356	23	576	38
	16 to 19	290	19	419	27	294	19	310	20
	13 to 15	126	8	101	7	134	9	68	4
	01 to 12	67	4	9	1	54	4	30	2
National	33 to 36	35,933	3	24,395	2	56,816	5	18,798	2
	28 to 32	126,394	10	103,455	9	150,082	12	67,815	6
	24 to 27	205,310	17	250,510	21	224,470	19	238,007	20
	20 to 23	321,306	27	264,179	22	280,741	23	419,135	35
	16 to 19	267,738	22	399,519	33	269,040	22	326,445	27
	13 to 15	149,825	12	154,528	13	156,903	13	90,944	8
	01 to 12	99,949	8	9,869	1	68,403	6	45,311	4

**Table 2.5. Average ACT Scores by Gender**

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	598	39	21.6	23.0	22.3	22.8	22.6
	Females	830	54	22.7	21.6	23.4	21.8	22.5
	Missing	100	7	20.8	22.0	22.1	21.7	21.7
National	Males	517,563	43	20.1	21.5	21.1	21.4	21.2
	Females	646,688	54	21.0	20.3	21.6	20.5	21.0
	Missing	42,204	3	20.6	21.1	21.6	20.8	21.1

**Table 2.6. Percent of Students Meeting College Readiness Benchmark Scores by Gender**

Student Group	Gender	Percent of Students				Meet All Four
		English	Math	Reading	Science	
State	Males	74	58	58	42	33
	Females	81	49	66	31	26
National	Males	66	47	51	32	25
	Females	71	37	55	23	18





# Section III

## College Readiness and the Impact of Course Rigor

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

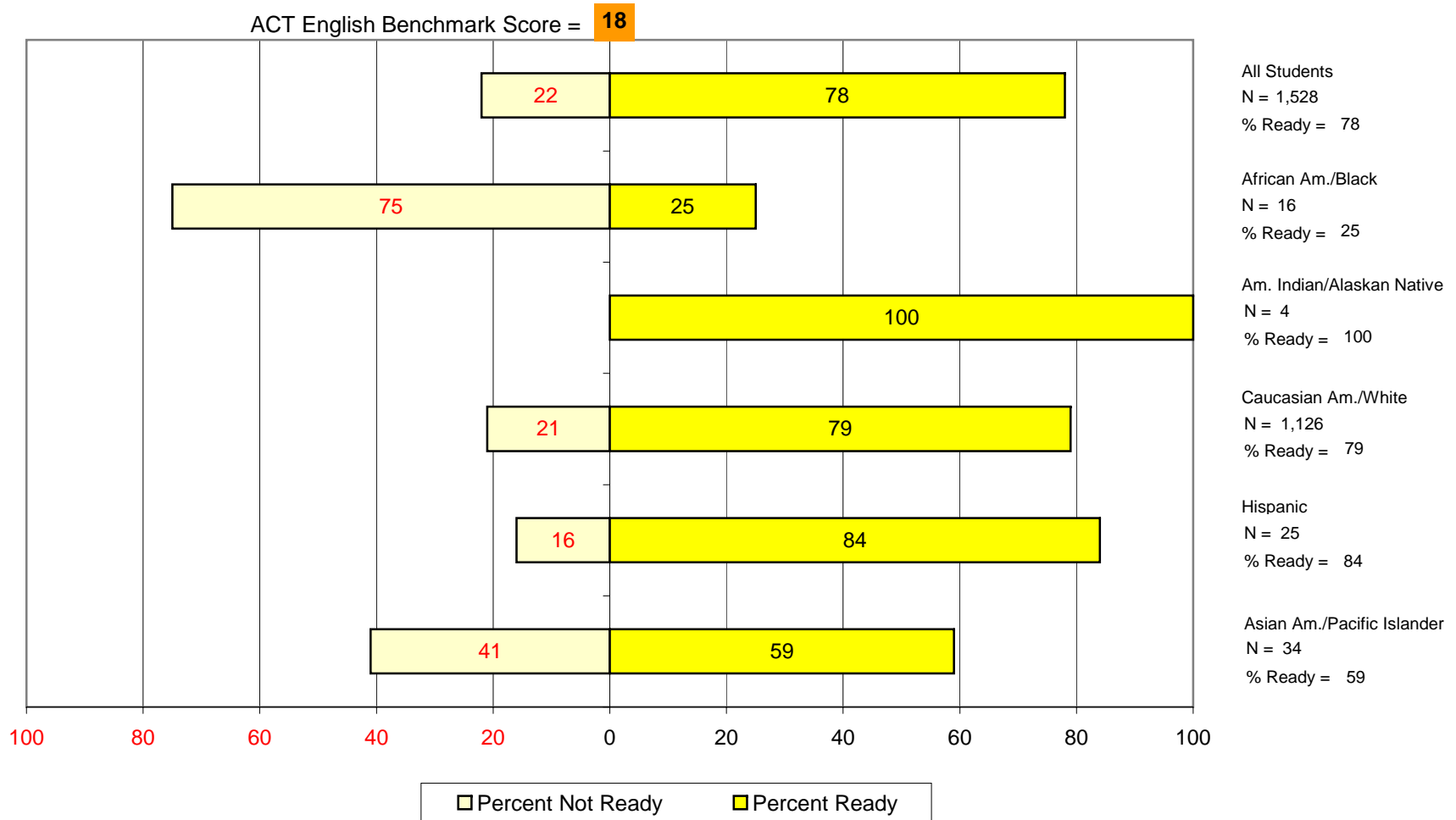


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

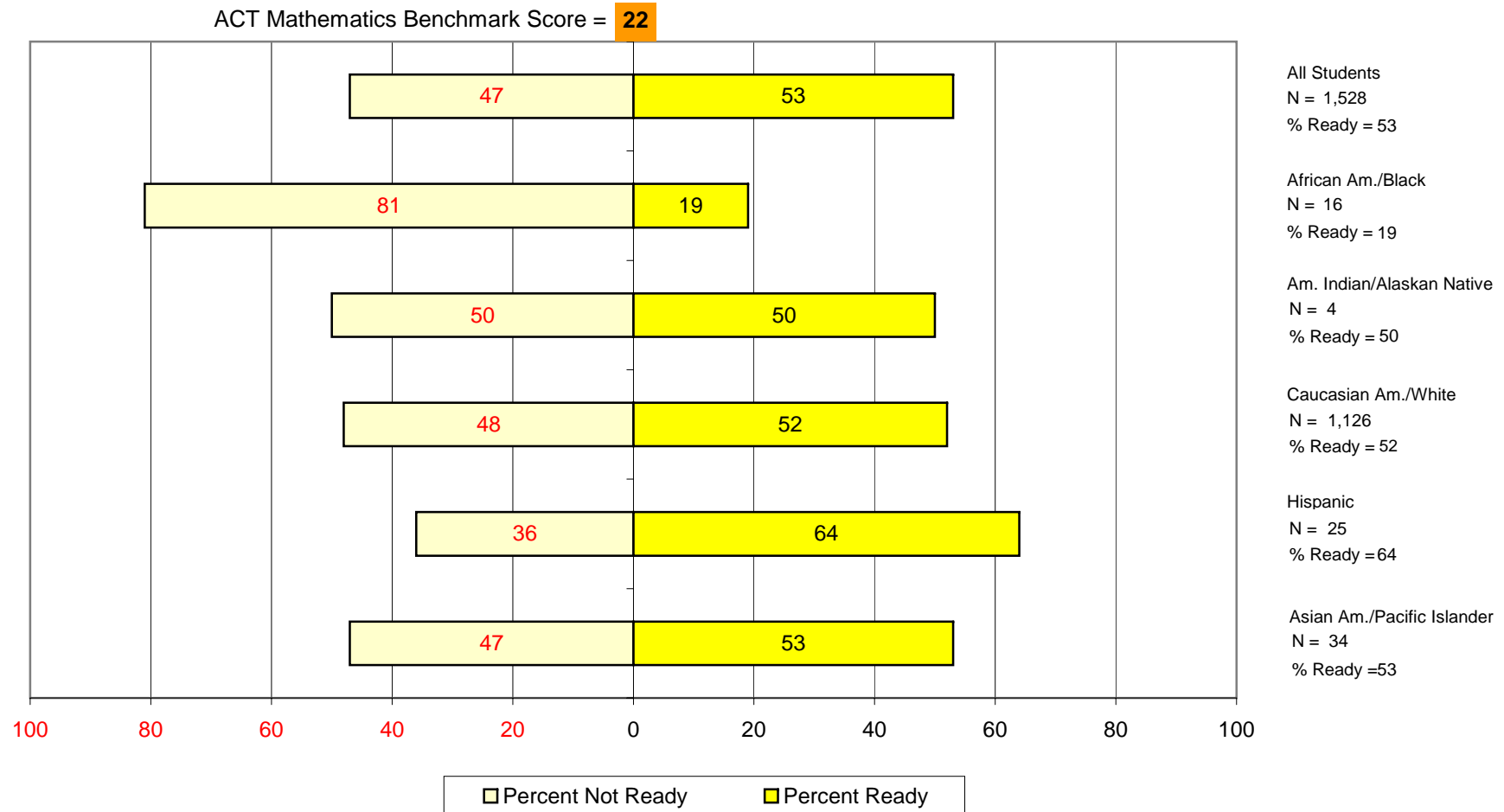


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

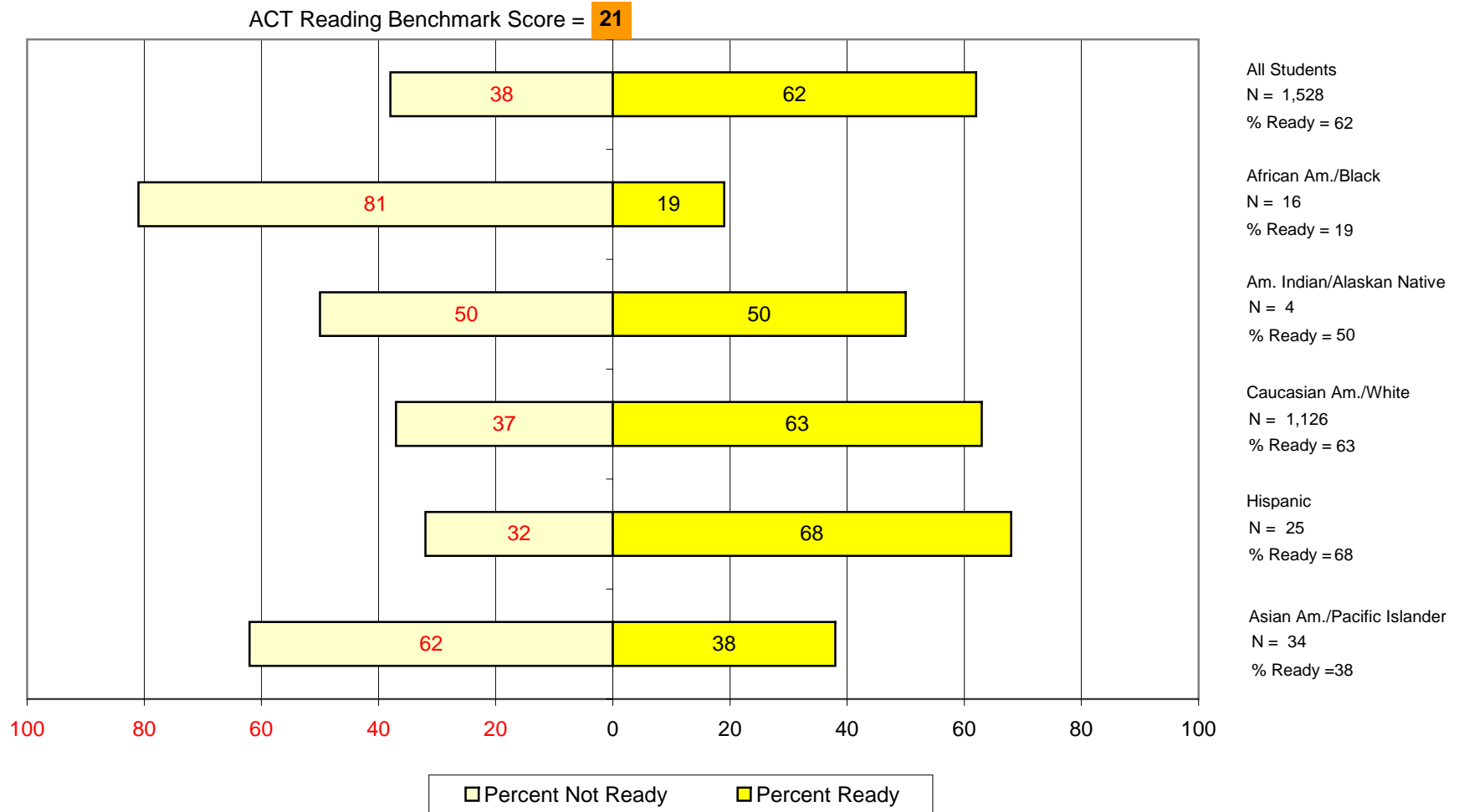


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

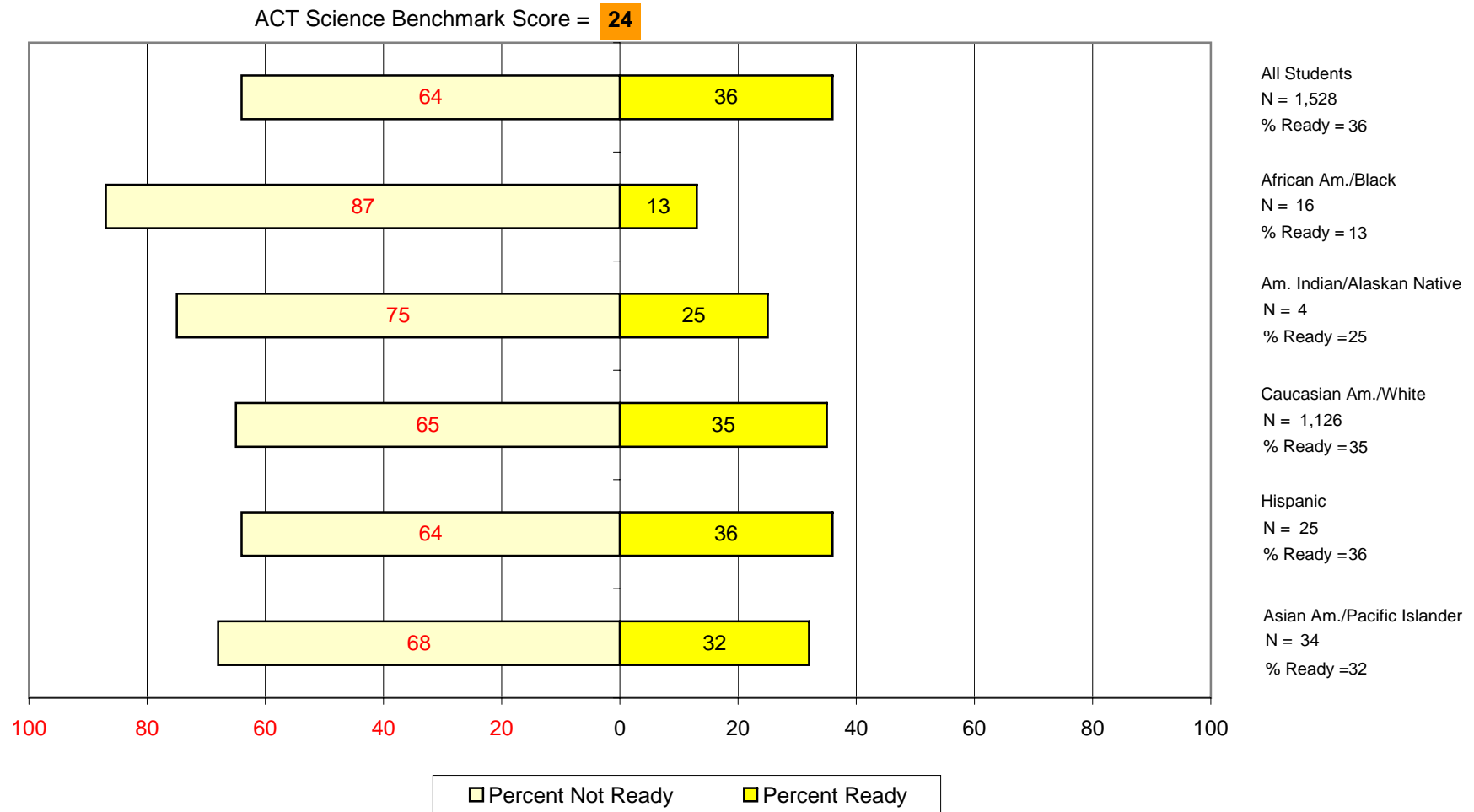
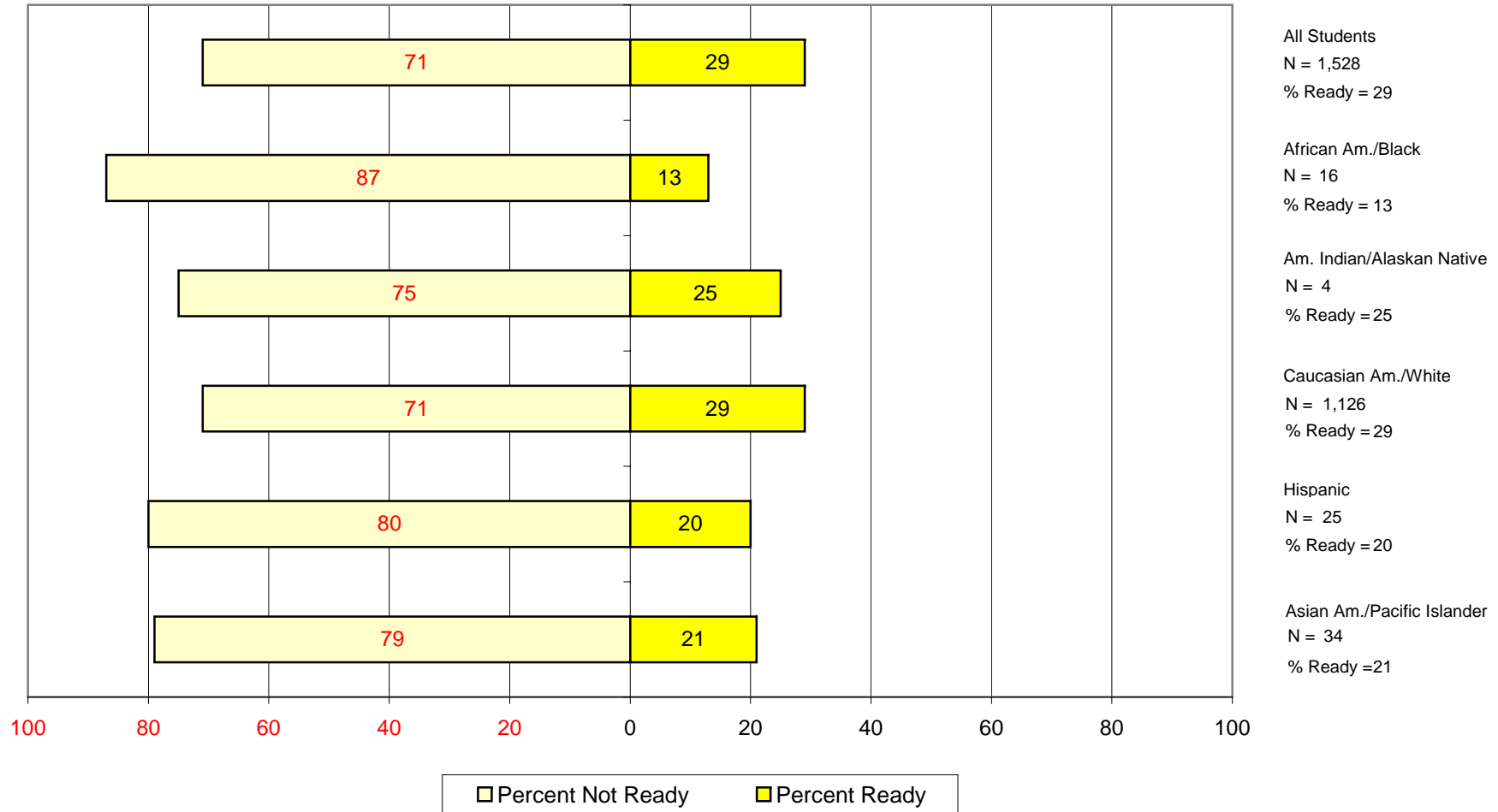


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns**

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	181	12	23.1	1.7	64	11	22.6	1.8	110	13	23.5	1.5
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	786	51	22.3	0.9	293	49	21.7	0.9	456	55	22.8	0.8
Less than 4 years of English	187	12	21.4	-	73	12	20.8	-	102	12	22.0	-
No English course/grade information reported	374	24	21.7	-	168	28	21.4	-	162	20	22.3	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	118	8	25.8	6.0	44	7	26.7	5.8	66	8	25.3	6.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	83	5	23.1	3.3	26	4	23.5	2.6	55	7	23.0	4.2
Alg 1, Alg 2, Geom, & Trig	110	7	21.3	1.5	32	5	22.8	1.9	72	9	20.8	2.0
Alg 1, Alg 2, Geom, & Other Adv Math	135	9	21.4	1.6	47	8	21.5	0.6	80	10	21.0	2.2
Other comb of 4 or more years of Math	269	18	25.2	5.4	110	18	26.6	5.7	150	18	24.5	5.7
Alg 1, Alg 2, & Geom (Min. Core)	143	9	18.8	-1.0	50	8	19.8	-1.1	85	10	18.2	-0.6
Other comb of 3 or 3.5 years of Math	75	5	22.5	2.7	28	5	23.2	2.3	43	5	21.9	3.1
Less than 3 years of Math	178	12	19.8	-	69	12	20.9	-	98	12	18.8	-
No Math course/grade information reported	417	27	21.7	-	192	32	22.1	-	181	22	21.1	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	72	5	25.4	2.6	27	5	24.9	2.2	42	5	25.5	2.5
Other comb of 4 or more years Social Science	209	14	23.1	0.3	89	15	22.8	0.1	110	13	23.5	0.5
US Hist, World Hist, & Am Gov (Min. Core)	50	3	23.3	0.5	24	4	21.7	-1.0	22	3	25.1	2.1
Other comb of 3 or 3.5 years of Social Science	316	21	22.9	0.1	101	17	21.5	-1.2	203	24	23.6	0.6
Less than 3 years of Social Science	481	31	22.8	-	170	28	22.7	-	285	34	23.0	-
No Soc Sci course/grade information reported	400	26	22.4	-	187	31	21.9	-	168	20	23.1	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	488	32	23.3	2.4	184	31	23.9	2.5	280	34	23.0	2.7
Bio, Chem, Phys	116	8	23.9	3.0	54	9	24.9	3.5	58	7	23.1	2.8
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	293	19	21.1	0.2	80	13	21.7	0.3	197	24	21.0	0.7
Other comb of 3 years of Natural Science	37	2	21.6	0.7	19	3	22.4	1.0	17	2	20.4	0.1
Less than 3 years of Natural Science	183	12	20.9	-	71	12	21.4	-	103	12	20.3	-
No Nat Sci course/grade information reported	411	27	21.7	-	190	32	22.2	-	175	21	21.3	-

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

<sup>2</sup>Includes General, Physical and Earth Sciences.

**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
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	181	12	23.1	85	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	786	51	22.3	79	668,226	55	20.4	67
Less than 4 years of English	187	12	21.4	72	115,551	10	19.4	62
No English course/grade information reported	374	24	21.7	75	150,124	12	20.3	67
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	118	8	25.8	84	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	83	5	23.1	69	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	110	7	21.3	46	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	135	9	21.4	46	153,394	13	20.3	37
Other comb of 4 or more years of Math	269	18	25.2	78	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	143	9	18.8	18	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	75	5	22.5	59	54,965	5	20.6	40
Less than 3 years of Math	178	12	19.8	33	131,567	11	17.9	18
No Math course/grade information reported	417	27	21.7	47	158,635	13	20.8	42
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	72	5	25.4	74	31,335	3	22.7	60
Other comb of 4 or more years Social Science	209	14	23.1	66	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	50	3	23.3	64	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	316	21	22.9	61	325,879	27	21.3	52
Less than 3 years of Social Science	481	31	22.8	62	179,270	15	20.5	46
No Soc Sci course/grade information reported	400	26	22.4	60	158,406	13	21.2	52
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	488	32	23.3	46	320,821	27	22.3	38
Bio, Chem, Phys	116	8	23.9	53	115,519	10	23.2	45
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	293	19	21.1	23	339,689	28	20.2	19
Other comb of 3 years of Natural Science	37	2	21.6	30	32,330	3	20.5	24
Less than 3 years of Natural Science	183	12	20.9	25	234,307	19	19.1	14
No Nat Sci course/grade information reported	411	27	21.7	33	163,789	14	20.7	26

<sup>1</sup>Includes General, Physical and Earth Sciences.



# Section IV

## Career and Educational Aspirations

**Table 4.1. Distribution of Planned Educational Majors for All Students and 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 <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture Sciences & Technologies	19	1	19.2	2	4	17.5	16	2	19.8
Architecture & Environmental Design	30	2	21.7	0	0	.	28	3	21.3
Business & Management	88	6	21.0	4	9	15.0	83	8	21.3
Business & Office	5	0	19.4	0	0	.	5	0	19.4
Marketing & Distribution	7	0	20.0	0	0	.	6	1	19.5
Communications & Comm. Technologies	26	2	21.3	0	0	.	25	2	21.2
Community & Personal Services	17	1	17.8	2	4	12.0	15	1	18.5
Computer & Information Sciences	22	1	23.4	2	4	18.0	20	2	24.0
Cross-Disciplinary Studies	7	0	25.1	1	2	20.0	6	1	26.0
Education	41	3	21.1	0	0	.	38	4	21.3
Teacher Education	20	1	19.0	1	2	15.0	19	2	19.2
Engineering	40	3	24.3	2	4	17.5	36	3	24.7
Engineering-Related Technologies	24	2	23.7	1	2	23.0	23	2	23.7
Foreign Languages	10	1	25.8	0	0	.	10	1	25.8
Health Sciences & Allied Health Fields	106	7	22.0	12	27	19.0	92	9	22.3
Human, Family & Consumer Science	6	0	20.5	0	0	.	5	0	19.4
Letters	12	1	25.4	0	0	.	12	1	25.4
Mathematics	2	0	23.5	0	0	.	2	0	23.5
Philosophy, Religion & Theology	3	0	20.3	0	0	.	3	0	20.3
Sciences (Biological & Physical)	82	5	25.2	1	2	14.0	79	7	25.3
Social Sciences	83	5	24.2	1	2	16.0	79	7	24.3
Trade & Industrial	5	0	18.0	3	7	16.0	2	0	21.0
Visual & Performing Arts	69	5	22.1	2	4	21.5	65	6	22.0
Undecided	125	8	23.0	3	7	20.7	111	10	22.8
No Response	679	44	22.4	8	18	17.1	279	26	22.6

<sup>1</sup>2-Year and 4-Year N's do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N for *All Students*.

<sup>2</sup>Percent of students tested.

**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-Am./ Black		Am. Indian/ Alaskan Native		Caucasian-Am./ White		Hispanic		Asian-Am./ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	8	18.9	0	.	0	.	6	19.8	0	.	1	18.0	1	14.0
2-yr College Degree	37	17.4	0	.	0	.	31	17.5	1	19.0	0	.	5	17.0
Bachelors Degree	512	21.1	4	15.5	3	24.0	412	21.1	6	21.8	7	21.3	80	20.9
Graduate Study	312	23.7	4	19.8	0	.	245	23.7	7	22.1	8	22.5	48	24.2
Prof. Level Degree	235	24.7	4	20.0	1	22.0	175	24.9	6	23.7	7	22.7	42	25.2
Other	14	22.6	0	.	0	.	9	23.6	0	.	1	19.0	4	21.3
No Response	410	22.5	4	17.3	0	.	248	22.4	5	23.0	10	19.1	143	23.1

**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	290	123	167	0	3	17	33	29	17	1
CASTLETON STATE COLLEGE	Vermont	90	39	51	6	12	40	32	9	1	0
CHAMPLAIN COLLEGE	Vermont	68	23	45	1	4	54	24	10	6	0
VERMONT TECHNICAL COLLEGE	Vermont	57	24	33	4	7	49	30	7	4	0
NORTHEASTERN UNIVERSITY	Massachusetts	55	17	38	0	0	15	42	31	13	0
SAINT MICHAEL'S COLLEGE	Vermont	54	11	43	0	0	35	33	19	11	2
UNIVERSITY OF NEW HAMPSHIRE	New Hampshire	53	7	46	0	8	32	43	13	4	0
JOHNSON STATE COLLEGE	Vermont	42	8	34	2	12	48	31	5	2	0
BOSTON UNIVERSITY	Massachusetts	38	11	27	0	0	21	34	24	21	0
MIDDLEBURY COLLEGE	Vermont	38	13	25	0	0	5	21	34	32	8
LYNDON STATE COLLEGE	Vermont	32	8	24	3	9	44	31	13	0	0
NORWICH UNIVERSITY	Vermont	31	14	17	0	10	26	39	16	10	0
ITHACA COLLEGE	New York	29	3	26	0	0	10	34	38	17	0
DARTMOUTH COLLEGE	New Hampshire	28	5	23	0	7	11	18	32	29	4
KEENE STATE COLLEGE	New Hampshire	27	5	22	0	7	52	22	19	0	0
BOSTON COLLEGE	Massachusetts	26	14	12	0	0	8	31	35	27	0
QUINNIPIAC UNIVERSITY	Connecticut	24	4	20	0	0	21	42	33	4	0
CORNELL UNIVERSITY	New York	22	6	16	0	0	0	27	32	41	0
MCGILL UNIVERSITY		22	6	16	0	0	5	14	50	27	5
NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE	Iowa	22	10	12	0	5	14	23	36	23	0
SYRACUSE UNIVERSITY	New York	22	1	21	0	0	14	45	32	9	0
ROCHESTER INST OF TECHNOLOGY	New York	21	3	18	0	5	10	29	29	29	0
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	21	6	15	0	0	33	43	14	10	0
UNIVERSITY OF NEW ENGLAND	Maine	20	6	14	0	5	25	50	15	5	0
COMMUNITY COLLEGE OF VERMONT	Vermont	19	2	17	16	16	42	21	5	0	0
ENDICOTT COLLEGE	Massachusetts	19	4	15	0	0	26	58	11	5	0
RENSSELAER POLYTECHNIC INSTITUTE	New York	19	6	13	0	0	0	0	42	58	0
SKIDMORE COLLEGE	New York	19	5	14	0	0	0	26	42	32	0
TUFTS UNIVERSITY	Massachusetts	19	5	14	0	0	0	16	47	26	11
BROWN UNIVERSITY	Rhode Island	18	6	12	0	0	6	0	44	33	17
All Other Institutions		1,559	407	1,152	1	4	22	31	25	15	1
<b>Total</b>		<b>2,804</b>	<b>802</b>	<b>2,002</b>	<b>1</b>	<b>4</b>	<b>23</b>	<b>31</b>	<b>24</b>	<b>14</b>	<b>1</b>

# Section V

# Optional Writing Test Results

**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
<b>All Students</b>	<b>1,020</b>	<b>430,404</b>	<b>22.9</b>	<b>22.4</b>	<b>8.3</b>	<b>7.7</b>	<b>22.9</b>	<b>22.0</b>
African Am./Black	9	38,583	18.3	17.5	7.0	6.8	18.4	17.6
Am. Indian/Alaskan Native	4	2,803	25.3	19.8	9.0	7.1	25.3	19.6
Caucasian Am./White	730	269,428	23.0	23.4	8.3	7.8	23.0	22.8
Hispanic	17	33,207	21.4	18.9	7.8	7.4	21.4	19.1
Asian Am./Pacific Islander	25	21,275	19.9	23.0	7.7	8.0	20.1	22.8
Other/No Response	235	65,108	23.1	22.8	8.2	7.9	23.1	22.5
Males	383	170,904	22.4	22.1	7.9	7.4	22.3	21.5
Females	568	240,056	23.4	22.6	8.5	7.9	23.4	22.3
Missing	69	19,444	21.1	22.1	8.4	7.8	21.8	21.9



