

# ACT High School Profile Report

The Graduating Class of 2008  
New Hampshire





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This report provides information about the performance of your 2008 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 2008 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, 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:**

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

33% of 2008 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.** 2,548 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. 61% 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, 31% were college ready. 7% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 22% of these students were college ready. In comparison, 65% 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 8% of the cohort took less than three years of natural science courses. 23% of these students were college ready. In comparison, 41% 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 31% 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).

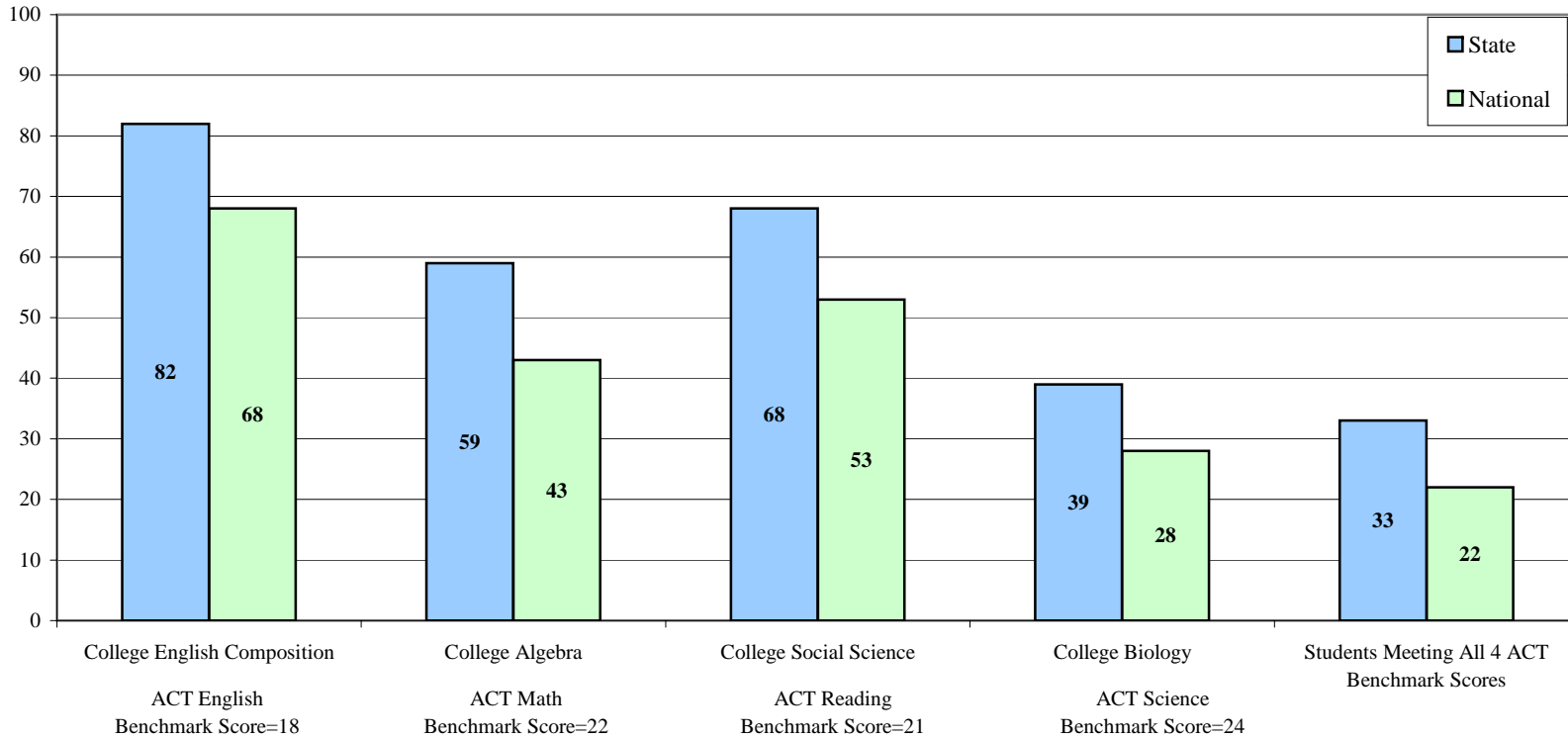
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic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



**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
2004	1,340	1,171,460	79	68	51	40	67	52	34	26	28	21
2005	1,578	1,186,251	77	68	53	41	63	51	34	26	28	21
2006	1,779	1,206,455	80	69	57	42	66	53	34	27	29	21
2007	2,269	1,300,599	83	69	57	43	65	53	38	28	32	23
<b>2008</b>	<b>2,548</b>	<b>1,421,941</b>	<b>82</b>	<b>68</b>	<b>59</b>	<b>43</b>	<b>68</b>	<b>53</b>	<b>39</b>	<b>28</b>	<b>33</b>	<b>22</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
2004	1,340	1,171,460	22.1	20.4	22.1	20.7	23.3	21.3	21.9	20.9	22.5	20.9
2005	1,578	1,186,251	21.9	20.4	22.1	20.7	23.0	21.3	21.8	20.9	22.3	20.9
2006	1,779	1,206,455	22.4	20.6	22.5	20.8	23.2	21.4	21.8	20.9	22.6	21.1
2007	2,269	1,300,599	22.7	20.7	22.7	21.0	23.3	21.5	22.2	21.0	22.9	21.2
<b>2008</b>	<b>2,548</b>	<b>1,421,941</b>	<b>23.0</b>	<b>20.6</b>	<b>23.0</b>	<b>21.0</b>	<b>23.7</b>	<b>21.4</b>	<b>22.2</b>	<b>20.8</b>	<b>23.1</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
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
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
<b>2008</b>	<b>1,421,941</b>	<b>20.6</b>	<b>21.0</b>	<b>21.4</b>	<b>20.8</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
2004	641	422	48	31	23.0	21.2	22.9	21.4	24.3	22.4	22.7	21.3	23.3	21.7
2005	718	470	46	30	22.5	21.1	22.7	21.4	23.6	22.3	22.3	21.2	22.9	21.7
2006	683	547	38	31	23.7	22.1	23.3	22.4	24.6	22.8	22.7	21.7	23.7	22.4
2007	939	714	41	31	23.7	22.2	23.5	21.9	24.4	22.9	23.1	21.7	23.8	22.3
<b>2008</b>	<b>1,545</b>	<b>678</b>	<b>61</b>	<b>27</b>	<b>23.6</b>	<b>22.6</b>	<b>23.5</b>	<b>22.6</b>	<b>24.3</b>	<b>23.3</b>	<b>22.6</b>	<b>21.8</b>	<b>23.6</b>	<b>22.7</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**

	2004			2005			2006			2007			2008		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</b>	<b>1,340</b>	<b>100</b>	<b>22.5</b>	<b>1,578</b>	<b>100</b>	<b>22.3</b>	<b>1,779</b>	<b>100</b>	<b>22.6</b>	<b>2,269</b>	<b>100</b>	<b>22.9</b>	<b>2,548</b>	<b>100</b>	<b>23.1</b>
African American/Black	22	2	19.9	16	1	21.7	28	2	19.8	35	2	20.4	45	2	21.5
American Indian/Alaska Native	5	0	19.8	3	0	23.3	6	0	20.3	6	0	23.2	6	0	20.8
Caucasian American/White	1,049	78	22.5	1,218	77	22.3	1,249	70	22.5	1,509	67	22.8	1,966	77	23.0
Hispanic	16	1	18.7	20	1	18.6	29	2	21.6	44	2	21.5	43	2	21.7
Asian American/Pacific Islander	34	3	21.7	24	2	22.0	52	3	24.1	43	2	24.0	61	2	24.5
Other/No Response	214	16	22.9	297	19	22.8	415	23	22.8	632	28	23.1	427	17	23.8

# 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	1	100	10	100	16	100	8	100	1	100	36
35	49	100	23	100	33	99	11	100	5	100	35
34	55	98	28	99	55	98	10	99	13	100	34
33	44	96	63	98	75	96	30	99	23	99	33
32	49	94	44	95	109	93	25	98	38	98	32
31	77	92	43	93	120	89	27	97	65	97	31
30	75	89	72	92	138	84	44	96	91	94	30
29	106	86	117	89	105	79	46	94	104	91	29
28	99	82	137	84	98	74	79	92	147	87	28
27	120	78	151	79	109	71	119	89	157	81	27
26	152	74	155	73	122	66	132	84	175	75	26
25	186	68	198	67	118	62	226	79	193	68	25
24	158	60	193	59	151	57	237	70	198	60	24
23	193	54	154	52	199	51	199	61	205	53	23
22	174	46	109	46	111	43	267	53	165	44	22
21	178	40	143	41	173	39	170	43	198	38	21
20	178	33	116	36	182	32	264	36	148	30	20
19	104	26	155	31	120	25	198	26	166	24	19
18	95	22	171	25	97	20	125	18	145	18	18
17	109	18	173	18	98	16	80	13	107	12	17
16	82	14	170	11	111	13	68	10	76	8	16
15	93	10	72	5	64	8	47	7	57	5	15
14	44	7	33	2	52	6	40	5	32	3	14
13	40	5	13	1	43	4	37	4	27	2	13
12	23	3	4	1	29	2	21	2	11	1	12
11	20	3	0	1	9	1	15	1	1	1	11
10	24	2	1	1	8	1	17	1	0	1	10
9	10	1	0	1	2	1	5	1	0	1	9
8	7	1	0	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	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)	23.0 (5.7)		23.0 (5.2)		23.7 (5.9)		22.2 (4.6)		23.1 (4.7)		Avg (SD)

<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	154	100	16	100	112	100	116	100	177	100	28	100	35	100	18
17	155	94	92	99	184	96	195	95	185	93	51	99	17	99	17
16	222	88	151	96	193	88	352	88	207	86	100	97	199	98	16
15	142	79	260	90	203	81	253	74	188	78	125	93	162	90	15
14	183	74	220	80	152	73	227	64	242	70	331	88	340	84	14
13	268	66	318	71	267	67	118	55	273	61	266	75	258	70	13
12	211	56	361	59	212	56	252	51	206	50	265	65	333	60	12
11	273	48	253	44	225	48	291	41	194	42	388	54	245	47	11
10	257	37	344	34	270	39	186	29	280	34	397	39	395	38	10
9	176	27	188	21	242	29	169	22	159	23	281	23	189	22	9
8	157	20	159	14	245	19	123	15	246	17	142	12	152	15	8
7	121	14	80	7	98	10	114	10	137	7	62	7	93	9	7
6	119	9	41	4	86	6	69	6	37	2	41	4	59	5	6
5	57	4	34	3	30	2	58	3	14	1	49	3	25	3	5
4	34	2	27	1	14	1	17	1	3	1	10	1	20	2	4
3	13	1	3	1	9	1	6	1	0	1	11	1	17	1	3
2	6	1	1	1	4	1	2	1	0	1	0	1	5	1	2
1	0	1	0	1	2	1	0	1	0	1	1	1	4	1	1
Avg (SD)	11.8 (3.7)		11.8 (2.9)		11.8 (3.5)		12.5 (3.5)		12.4 (3.4)		11.4 (2.8)		11.6 (3.0)		Avg (SD)

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

**Table 2.3. ACT Score Quartile Values for All Students**

Quartile	English	Math	Reading	Science	Composite
Q3 (75th Percentile)	27	27	29	25	27
Q2 (50th Percentile)	23	23	23	22	23
Q1 (25th Percentile)	19	19	20	19	20

**Table 2.4. 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	<b>All Students</b>	<b>2,548</b>	<b>61</b>	<b>23.6</b>	<b>22.7</b>
	African Am./Black	45	56	21.9	23.6
	Am. Indian/Alaska Native	6	33	19.5	21.0
	Caucasian Am./White	1,966	64	23.6	22.4
	Hispanic	43	63	21.2	22.8
	Asian Am./Pacific Islander	61	59	24.3	25.2
	Other/No Response	427	48	24.5	23.7
National	<b>All Students</b>	<b>1,421,941</b>	<b>61</b>	<b>22.0</b>	<b>19.5</b>
	African Am./Black	178,417	58	17.7	16.0
	Am. Indian/Alaska Native	14,380	53	20.3	17.6
	Caucasian Am./White	895,588	64	22.9	20.4
	Hispanic	114,697	60	19.6	17.4
	Asian Am./Pacific Islander	51,368	71	23.4	21.4
	Other/No Response	167,491	52	22.5	20.1

**Table 2.5. Average ACT Scores by Race/Ethnicity**

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	23.0	23.0	23.7	22.2	23.1
	African Am./Black	21.9	21.5	21.6	20.7	21.5
	Am. Indian/Alaska Native	20.7	19.8	22.0	20.5	20.8
	Caucasian Am./White	22.9	22.9	23.7	22.2	23.0
	Hispanic	21.5	21.8	22.0	20.9	21.7
	Asian Am./Pacific Islander	24.4	25.7	24.4	22.8	24.5
	Other/No Response	23.7	23.8	24.4	22.7	23.8
National	<b>All Students</b>	20.6	21.0	21.4	20.8	21.1
	African Am./Black	16.1	17.0	17.0	17.2	16.9
	Am. Indian/Alaska Native	18.1	18.8	19.6	19.2	19.0
	Caucasian Am./White	21.7	21.8	22.5	21.7	22.1
	Hispanic	17.7	19.0	18.9	18.7	18.7
	Asian Am./Pacific Islander	22.1	24.1	22.4	22.3	22.9
	Other/No Response	21.2	21.7	22.1	21.2	21.7

**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	149	6	124	5	179	7	59	2
	28 to 32	406	16	413	16	570	22	221	9
	24 to 27	616	24	697	27	500	20	714	28
	20 to 23	723	28	522	20	665	26	900	35
	16 to 19	390	15	669	26	426	17	471	18
	13 to 15	177	7	118	5	159	6	124	5
	01 to 12	87	3	5	0	49	2	59	2
National	33 to 36	52,735	4	40,359	3	63,798	4	26,499	2
	28 to 32	146,337	10	138,694	10	203,096	14	89,946	6
	24 to 27	237,950	17	283,854	20	231,039	16	281,932	20
	20 to 23	383,117	27	294,322	21	343,326	24	474,554	33
	16 to 19	293,110	21	466,291	33	312,300	22	359,785	25
	13 to 15	175,652	12	188,580	13	191,145	13	121,336	9
	01 to 12	133,040	9	9,841	1	77,237	5	67,889	5

**Table 2.7. Average ACT Scores by Gender**

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	1,093	43	22.2	23.7	23.2	22.4	23.0
	Females	1,384	54	23.6	22.6	24.2	22.1	23.2
	Missing	71	3	22.5	22.5	23.2	22.0	22.6
National	Males	625,887	44	20.1	21.6	21.2	21.3	21.2
	Females	764,282	54	21.0	20.4	21.5	20.4	21.0
	Missing	31,772	2	22.8	23.3	23.6	22.4	23.1

**Table 2.8. 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	78	61	63	41	34
	Females	85	57	72	37	31
National	Males	65	47	51	32	26
	Females	70	38	53	24	19

**Table 2.9. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Overall High School Curriculum**

Student Group	Curriculum Taken <sup>2</sup>	N	English		Mathematics		Reading		Science		Composite <sup>1</sup>	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg
State	Core	1,545	85	23.6	63	23.5	72	24.3	42	22.6	35	23.6
	Non-Core	678	79	22.6	54	22.6	64	23.3	37	21.8	31	22.7
	Missing	325	73	20.9	49	21.8	56	22.1	30	21.1	24	21.6
National	Core	873,743	75	21.6	50	21.9	59	22.3	33	21.6	27	22.0
	Non-Core	431,748	56	18.8	29	19.3	41	19.9	18	19.4	14	19.5
	Missing	116,450	62	19.9	42	20.8	48	20.8	27	20.3	23	20.6

<sup>1</sup>% under Composite heading reflects the percent of students who meet all four benchmarks

<sup>2</sup>"Curriculum Taken" reflects overall high school curriculum.

For instance, "Core" results correspond to students taking four years of English AND three years each of math, social studies, and natural science.

**Table 2.10. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Content-Specific Curriculum**

Student Group	Curriculum Taken <sup>1</sup>	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core	2,126	83	23.3	2,136	62	23.4	1,719	70	24.0	2,054	41	22.6
	Non-Core	135	86	22.5	106	30	19.6	521	68	23.7	191	24	20.2
	Missing	287	72	21.0	306	48	21.7	308	56	22.1	303	32	21.2
National	Core	1,216,115	70	20.8	1,192,135	46	21.4	1,137,832	54	21.6	1,063,049	32	21.4
	Non-Core	111,558	57	18.8	124,104	14	17.4	183,026	45	20.4	253,561	13	18.7
	Missing	94,268	64	20.2	105,702	42	20.8	101,083	50	21.1	105,331	28	20.5

<sup>1</sup>"Curriculum Taken" reflects content-specific curriculum.

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



# 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

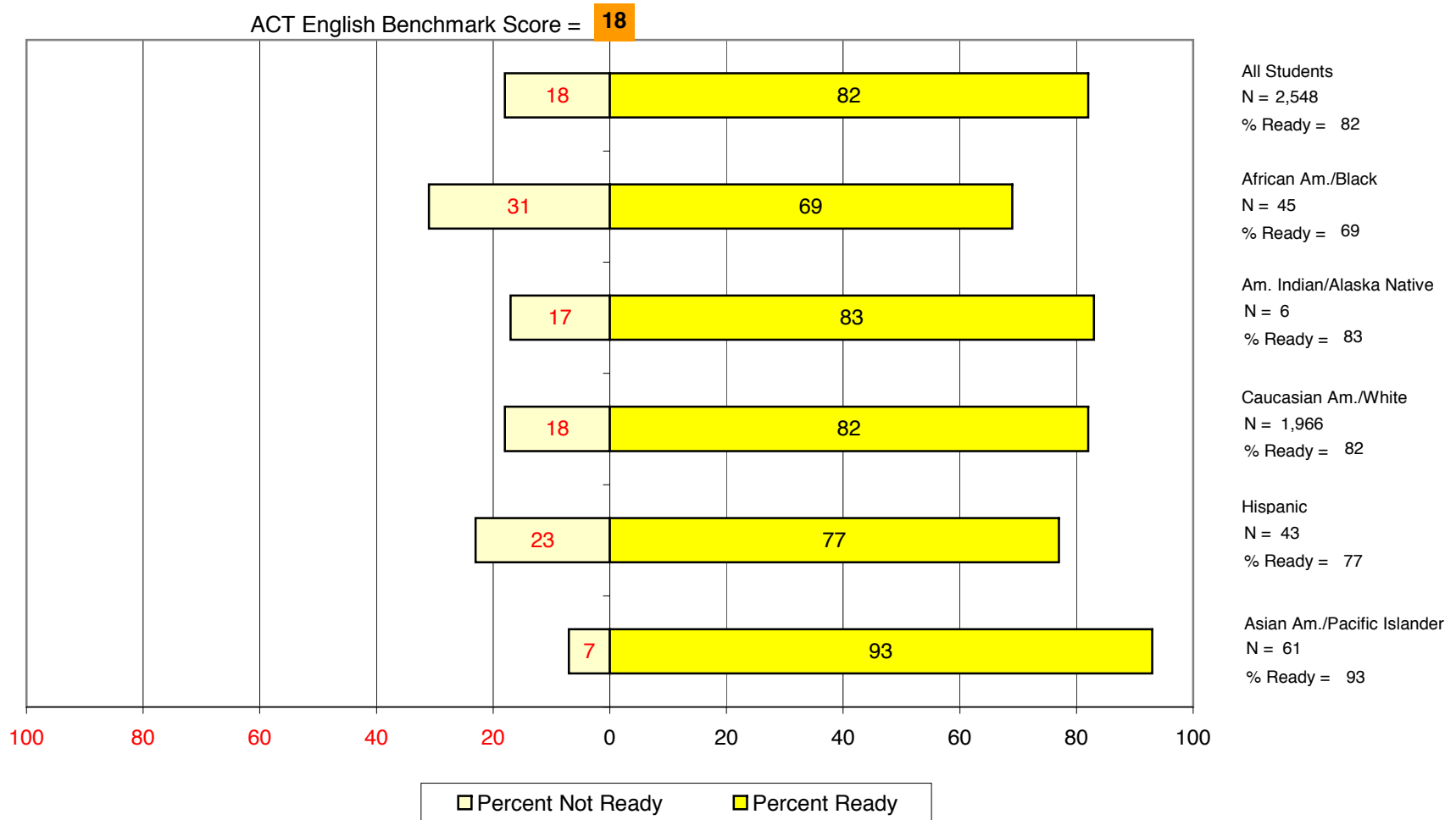


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

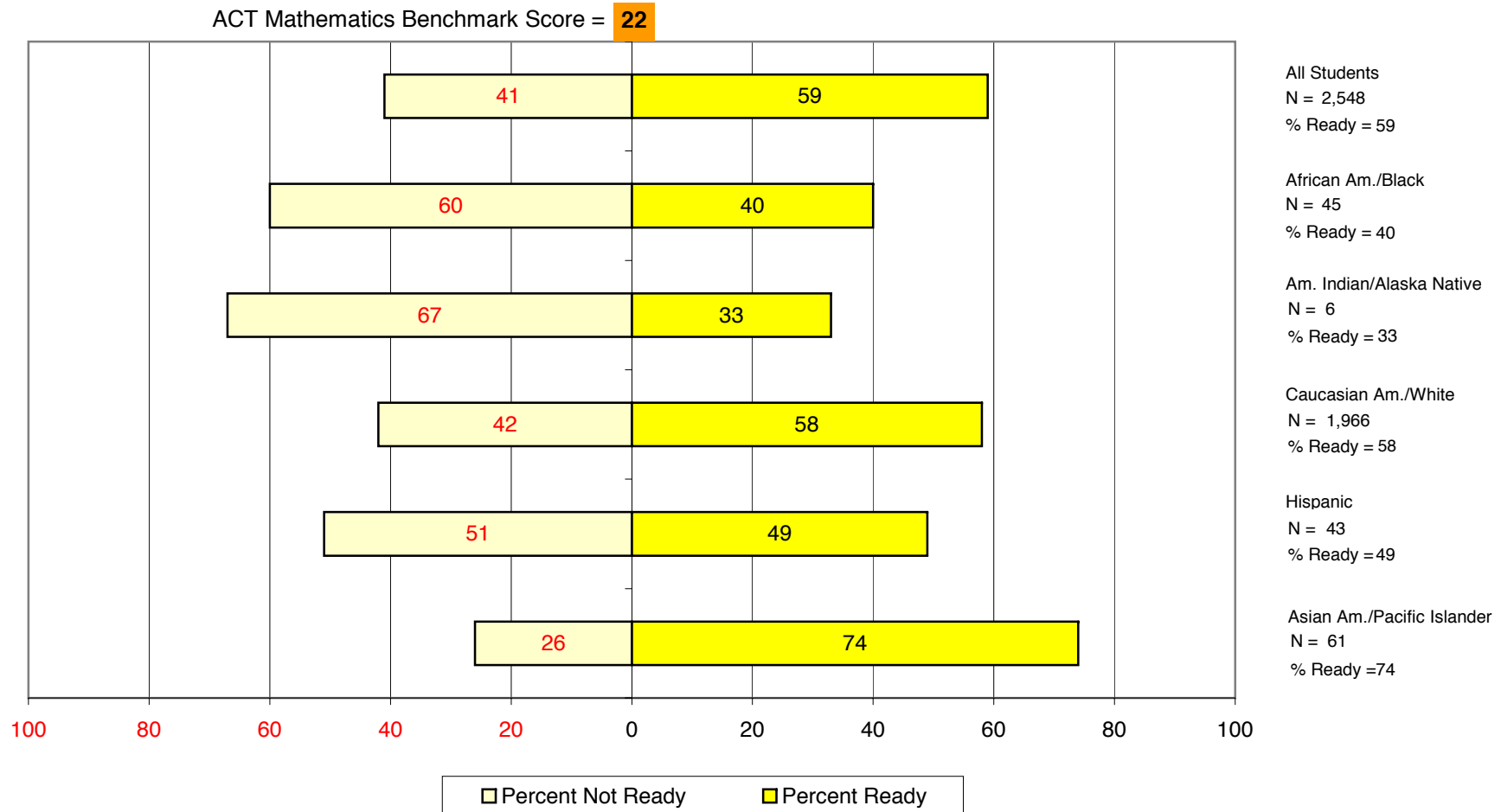


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

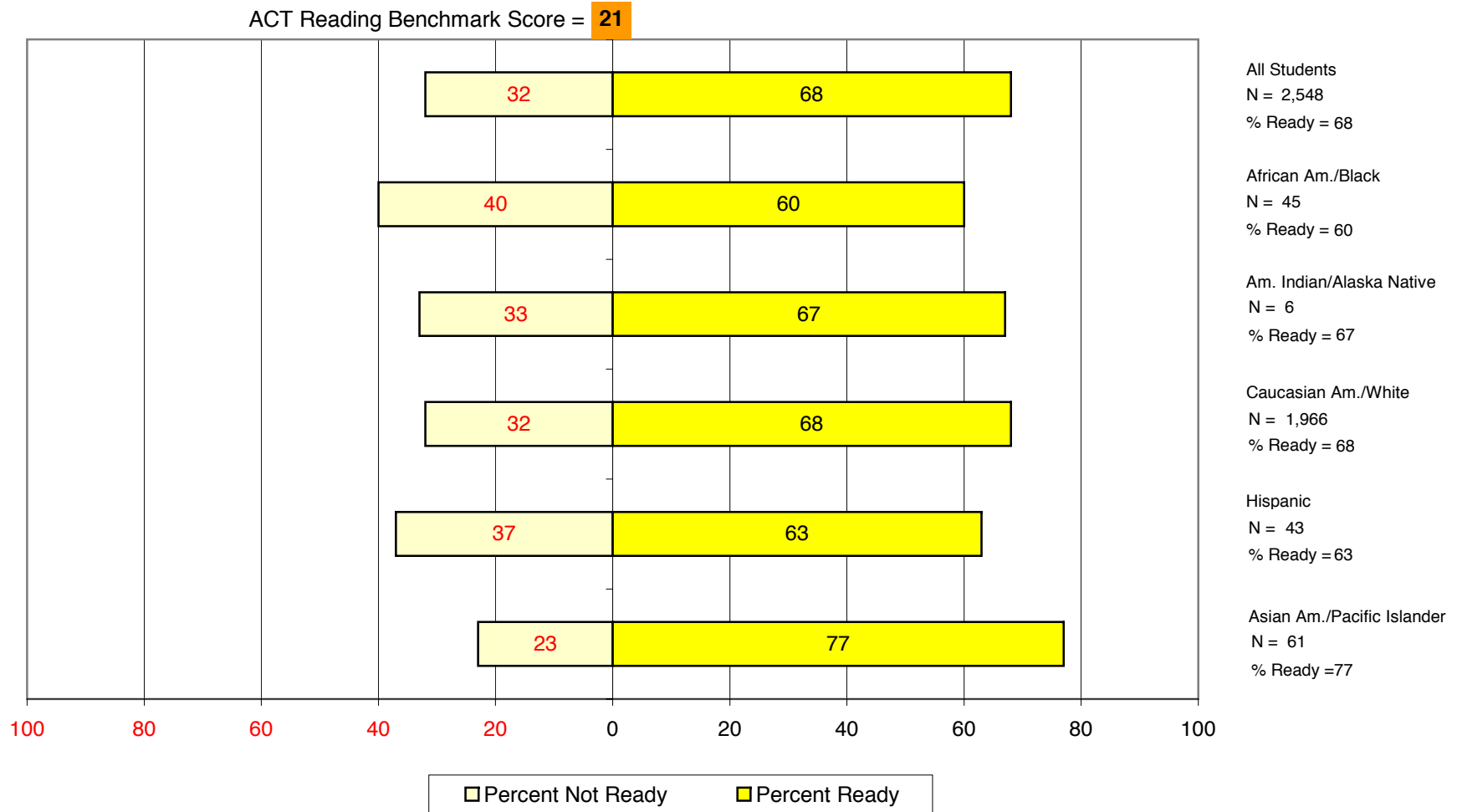


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

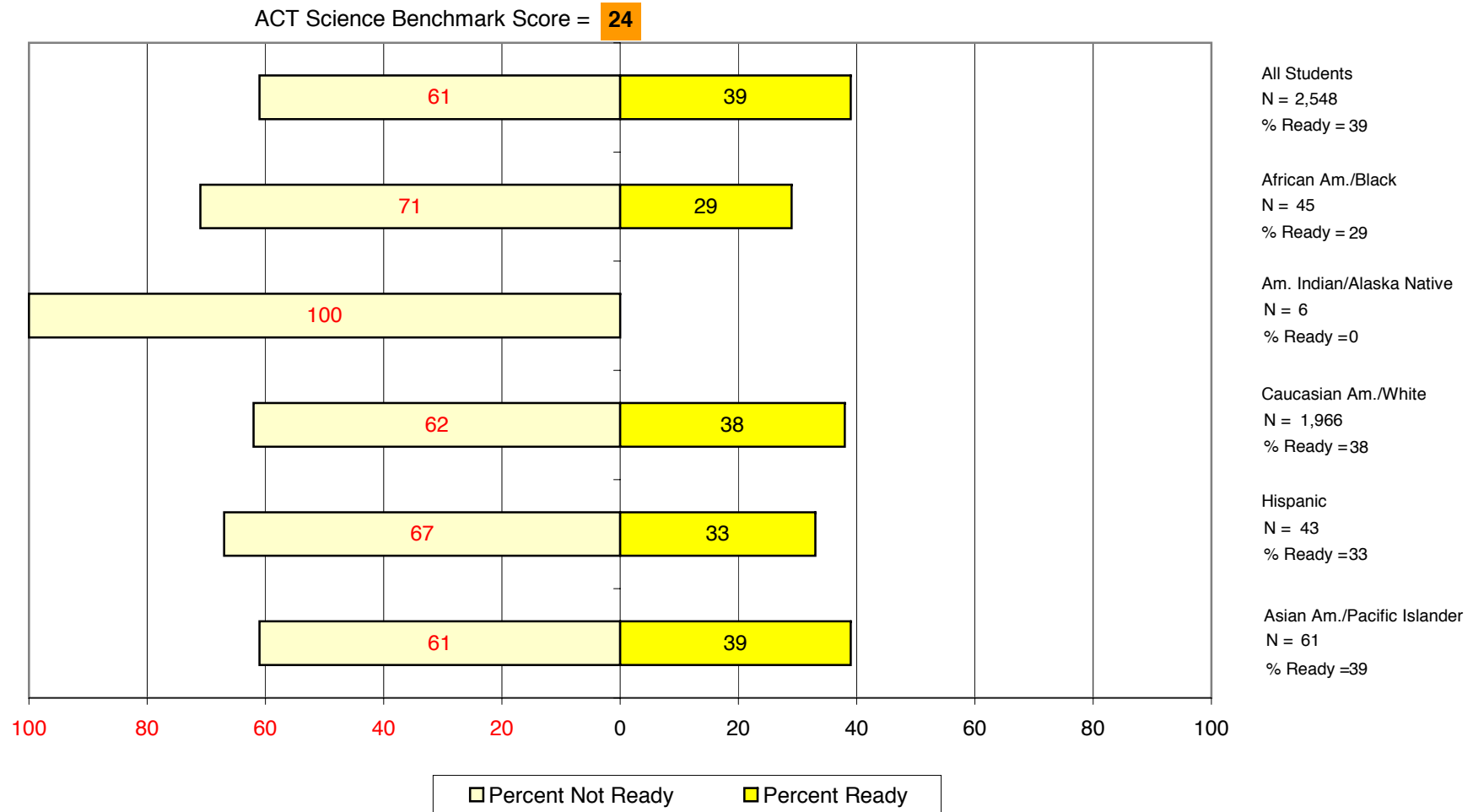
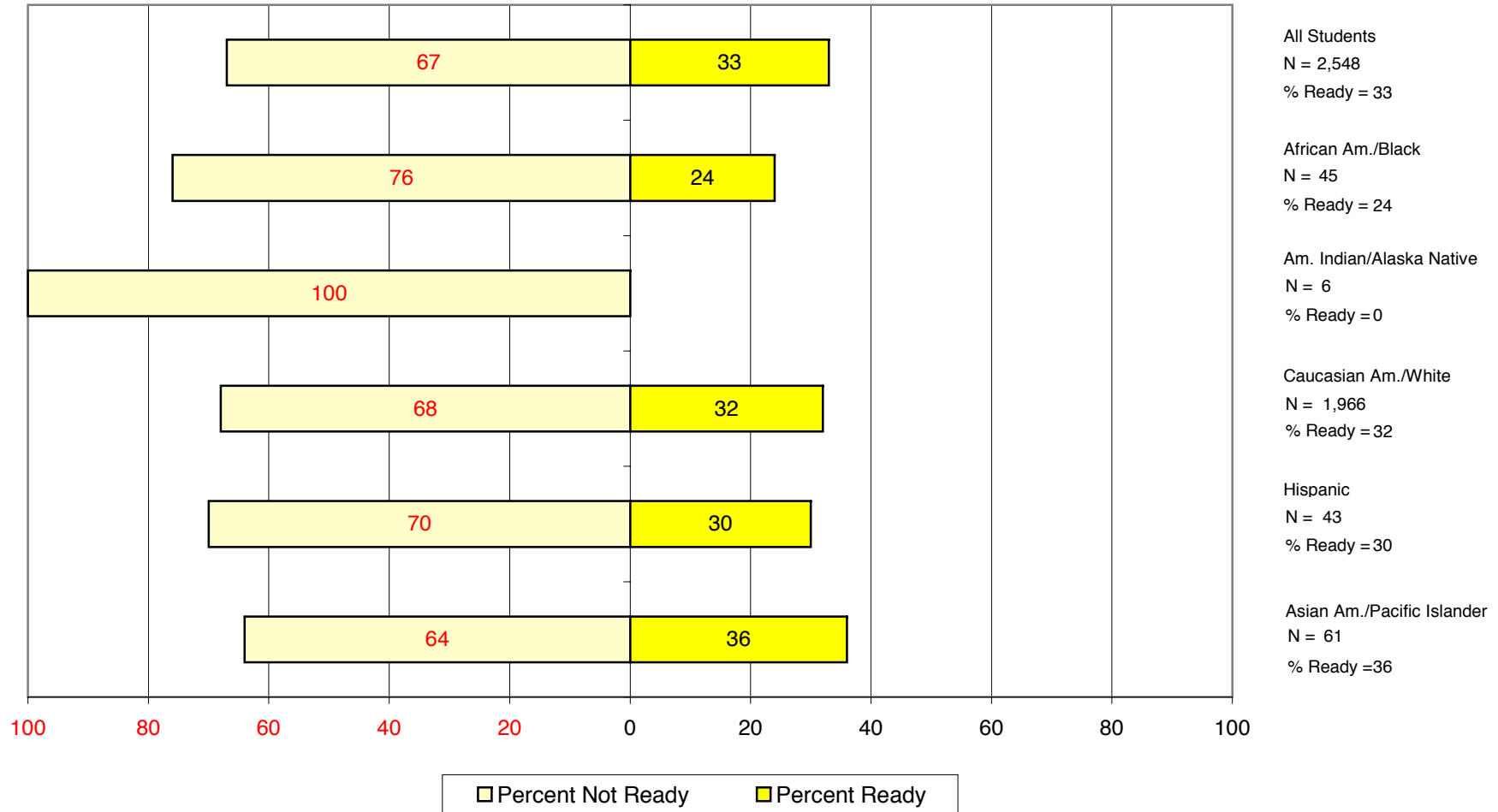


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**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	637	25	23.9	1.4	240	22	23.1	1.7	387	28	24.5	1.0
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	1,489	58	23.0	0.5	641	59	22.5	1.1	822	59	23.4	-0.1
Less than 4 years of English	136	5	22.5	-	61	6	21.4	-	67	5	23.5	-
No English course/grade information reported	286	11	21.0	-	151	14	19.9	-	108	8	22.2	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	237	9	27.1	7.5	108	10	27.8	8.4	126	9	26.4	7.1
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	233	9	23.0	3.4	76	7	23.6	4.2	154	11	22.7	3.4
Alg 1, Alg 2, Geom, & Trig	117	5	20.8	1.2	52	5	21.1	1.7	62	4	20.5	1.2
Alg 1, Alg 2, Geom, & Other Adv Math	394	15	20.9	1.3	125	11	21.3	1.9	261	19	20.7	1.4
Other comb of 4 or more years of Math	835	33	25.2	5.6	387	35	26.0	6.6	435	31	24.6	5.3
Alg 1, Alg 2, & Geom (Min. Core)	184	7	18.7	-0.9	74	7	19.0	-0.4	106	8	18.5	-0.8
Other comb of 3 or 3.5 years of Math	136	5	22.5	2.9	59	5	22.4	3.0	76	5	22.6	3.3
Less than 3 years of Math	117	5	19.6	-	56	5	19.4	-	54	4	19.3	-
No Math course/grade information reported	295	12	21.8	-	156	14	22.0	-	110	8	21.2	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	80	3	24.6	0.9	42	4	24.0	0.8	37	3	25.0	0.9
Other comb of 4 or more years Social Science	832	33	23.9	0.2	334	31	23.5	0.3	485	35	24.2	0.1
US Hist, World Hist, & Am Gov (Min. Core)	39	2	26.1	2.4	10	1	23.6	0.4	27	2	26.9	2.8
Other comb of 3 or 3.5 years of Social Science	768	30	24.0	0.3	319	29	23.9	0.7	440	32	24.2	0.1
Less than 3 years of Social Science	529	21	23.7	-	231	21	23.2	-	282	20	24.1	-
No Soc Sci course/grade information reported	300	12	22.0	-	157	14	21.0	-	113	8	23.1	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	1,207	47	23.1	2.8	559	51	23.4	3.3	633	46	22.9	2.7
Bio, Chem, Phys	224	9	24.4	4.1	97	9	25.0	4.9	123	9	24.0	3.8
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	551	22	20.8	0.5	159	15	20.4	0.3	377	27	21.0	0.8
Other comb of 3 years of Natural Science	72	3	21.0	0.7	38	3	20.6	0.5	34	2	21.4	1.2
Less than 3 years of Natural Science	196	8	20.3	-	85	8	20.1	-	104	8	20.2	-
No Nat Sci course/grade information reported	298	12	21.1	-	155	14	20.9	-	113	8	21.2	-

<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	637	25	23.9	86	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	1,489	58	23.0	82	949,721	67	20.5	68
Less than 4 years of English	136	5	22.5	86	112,496	8	18.8	56
No English course/grade information reported	286	11	21.0	72	93,330	7	20.2	64
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	237	9	27.1	90	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	233	9	23.0	64	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	117	5	20.8	40	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	394	15	20.9	43	204,909	14	20.4	38
Other comb of 4 or more years of Math	835	33	25.2	74	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	184	7	18.7	22	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	136	5	22.5	57	70,951	5	20.8	41
Less than 3 years of Math	117	5	19.6	31	131,252	9	17.4	14
No Math course/grade information reported	295	12	21.8	48	98,554	7	21.1	44
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	80	3	24.6	73	42,546	3	22.7	61
Other comb of 4 or more years Social Science	832	33	23.9	69	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	39	2	26.1	82	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	768	30	24.0	71	404,731	28	21.3	52
Less than 3 years of Social Science	529	21	23.7	68	185,561	13	20.4	45
No Soc Sci course/grade information reported	300	12	22.0	55	98,548	7	21.1	50
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	1,207	47	23.1	47	453,654	32	22.2	38
Bio, Chem, Phys	224	9	24.4	58	134,033	9	23.2	47
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	551	22	20.8	26	435,183	31	20.1	20
Other comb of 3 years of Natural Science	72	3	21.0	24	40,179	3	20.1	22
Less than 3 years of Natural Science	196	8	20.3	23	259,142	18	18.7	13
No Nat Sci course/grade information reported	298	12	21.1	32	99,750	7	20.6	29

<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	24	1	19.6	2	8	18.0	20	1	19.2
Architecture & Environmental Design	40	2	23.4	0	0	.	36	2	23.4
Business & Management	277	11	21.9	2	8	14.0	244	12	21.9
Business & Office	7	0	18.9	0	0	.	6	0	18.5
Marketing & Distribution	16	1	21.3	0	0	.	15	1	20.9
Communications & Comm. Technologies	74	3	22.4	0	0	.	68	3	22.5
Community & Personal Services	25	1	20.7	1	4	15.0	22	1	20.9
Computer & Information Sciences	30	1	24.0	1	4	20.0	27	1	24.3
Cross-Disciplinary Studies	12	0	24.1	0	0	.	12	1	24.1
Education	89	3	21.6	1	4	13.0	82	4	21.6
Teacher Education	36	1	20.8	0	0	.	36	2	20.8
Engineering	118	5	25.5	0	0	.	106	5	25.6
Engineering-Related Technologies	62	2	23.8	0	0	.	60	3	23.7
Foreign Languages	39	2	26.8	0	0	.	36	2	26.8
Health Sciences & Allied Health Fields	301	12	22.5	6	23	17.8	277	14	22.7
Human, Family & Consumer Science	9	0	17.9	1	4	19.0	7	0	17.3
Letters	24	1	28.6	0	0	.	22	1	28.8
Mathematics	20	1	26.2	0	0	.	19	1	26.2
Philosophy, Religion & Theology	13	1	23.3	2	8	14.5	10	0	25.4
Sciences (Biological & Physical)	189	7	24.7	1	4	22.0	179	9	24.7
Social Sciences	173	7	24.4	0	0	.	155	8	24.4
Trade & Industrial	13	1	19.0	5	19	17.8	7	0	19.9
Visual & Performing Arts	102	4	22.8	1	4	13.0	97	5	22.8
Undecided	434	17	23.5	3	12	14.0	366	18	23.4
No Response	421	17	22.5	0	0	.	111	5	23.6

<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/ Alaska 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	3	14.7	0	.	0	.	3	14.7	0	.	0	.	0	.
2-yr College Degree	23	16.9	0	.	0	.	23	16.9	0	.	0	.	0	.
Bachelors Degree	760	21.2	5	19.8	2	18.0	661	21.2	11	17.6	14	22.6	67	21.2
Graduate Study	674	24.0	14	24.9	1	22.0	522	24.1	10	21.8	15	25.0	112	23.7
Prof. Level Degree	586	25.2	14	21.1	3	22.3	451	25.2	16	24.0	18	26.1	84	25.8
Other	31	20.6	1	27.0	0	.	24	20.4	0	.	1	19.0	5	20.8
No Response	471	22.9	11	18.1	0	.	282	22.5	6	22.8	13	24.0	159	23.9

**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 NEW HAMPSHIRE	New Hampshire	383	104	279	1	4	20	32	32	11	1
KEENE STATE COLLEGE	New Hampshire	124	40	84	0	10	34	34	18	4	0
NORTHEASTERN UNIVERSITY	Massachusetts	119	29	90	0	0	9	33	36	21	1
BOSTON UNIVERSITY	Massachusetts	99	37	62	0	1	6	24	33	32	3
PLYMOUTH STATE UNIVERSITY	New Hampshire	95	21	74	0	6	48	26	14	5	0
UNIVERSITY OF VERMONT	Vermont	79	15	64	0	4	9	35	28	23	1
BOSTON COLLEGE	Massachusetts	70	26	44	0	0	10	21	31	36	1
SOUTHERN NEW HAMPSHIRE UNIVERSITY	New Hampshire	61	22	39	0	18	41	25	15	2	0
QUINNIPIAC UNIVERSITY	Connecticut	57	13	44	0	0	16	33	42	9	0
SAINT ANSELM COLLEGE	New Hampshire	48	16	32	0	4	25	38	21	13	0
TUFTS UNIVERSITY	Massachusetts	46	13	33	0	0	4	15	30	43	7
UNIVERSITY OF CONNECTICUT	Connecticut	44	8	36	0	0	11	34	34	18	2
UNIVERSITY OF RHODE ISLAND	Rhode Island	44	8	36	0	5	20	50	20	5	0
DARTMOUTH COLLEGE	New Hampshire	41	18	23	0	0	7	10	34	39	10
WORCESTER POLYTECHNIC INST	Massachusetts	40	11	29	0	0	3	20	35	38	5
RENSSELAER POLYTECHNIC INSTITUTE	New York	38	7	31	0	0	3	13	42	39	3
NCAA ELIGIBILITY CENTER	Indiana	35	23	12	0	3	20	34	29	14	0
BROWN UNIVERSITY	Rhode Island	34	12	22	0	0	3	6	24	53	15
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	32	5	27	0	3	22	34	22	19	0
COLBY-SAWYER COLLEGE	New Hampshire	31	5	26	0	6	32	45	13	3	0
SAINT MICHAEL'S COLLEGE	Vermont	31	7	24	0	6	23	23	29	13	6
BOB JONES UNIVERSITY	South Carolina	30	16	14	0	7	27	23	27	17	0
ENDICOTT COLLEGE	Massachusetts	30	8	22	0	13	37	37	13	0	0
PROVIDENCE COLLEGE	Rhode Island	29	4	25	0	0	21	38	34	7	0
SALVE REGINA UNIVERSITY	Rhode Island	29	5	24	0	7	28	38	28	0	0
EMERSON COLLEGE	Massachusetts	28	8	20	0	0	18	36	36	11	0
NEW HAMPSHIRE TECHNICAL INSTITUTE	New Hampshire	28	10	18	4	21	39	18	4	14	0
ROGER WILLIAMS UNIVERSITY	Rhode Island	28	6	22	0	0	14	46	32	7	0
SYRACUSE UNIVERSITY	New York	28	8	20	0	0	7	29	36	29	0
BRIGHAM YOUNG UNIVERSITY	Utah	26	20	6	0	0	4	19	42	27	8
All Other Institutions		2,339	611	1,728	0	5	17	29	29	18	2
<b>Total</b>		<b>4,146</b>	<b>1,136</b>	<b>3,010</b>	<b>0</b>	<b>4</b>	<b>18</b>	<b>29</b>	<b>29</b>	<b>18</b>	<b>2</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>1,986</b>	<b>770,529</b>	<b>23.6</b>	<b>21.4</b>	<b>8.0</b>	<b>7.3</b>	<b>23.2</b>	<b>20.9</b>
African Am./Black	35	86,049	23.0	16.6	7.8	6.5	22.5	16.6
Am. Indian/Alaska Native	5	5,148	21.2	18.9	8.0	6.7	21.4	18.5
Caucasian Am./White	1,513	464,177	23.4	22.5	8.0	7.4	23.1	21.8
Hispanic	32	71,060	22.9	18.3	7.5	7.1	22.2	18.5
Asian Am./Pacific Islander	53	37,359	25.1	23.1	7.9	7.9	24.2	22.6
Other/No Response	348	106,736	24.1	22.2	8.1	7.5	23.7	21.7
Males	796	327,613	22.8	20.9	7.7	7.0	22.4	20.2
Females	1,138	421,968	24.1	21.7	8.2	7.6	23.8	21.3
Missing	52	20,948	23.0	23.9	8.1	7.9	22.8	23.2



