

# ACT High School Profile Report

The Graduating Class of 2008  
Connecticut





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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

34% 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.** 8,159 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. 62% 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 4% of the cohort took less than three years of math courses. Of these students, 44% were college ready. 10% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 25% of these students were college ready. In comparison, 67% 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. 26% 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 28% 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).

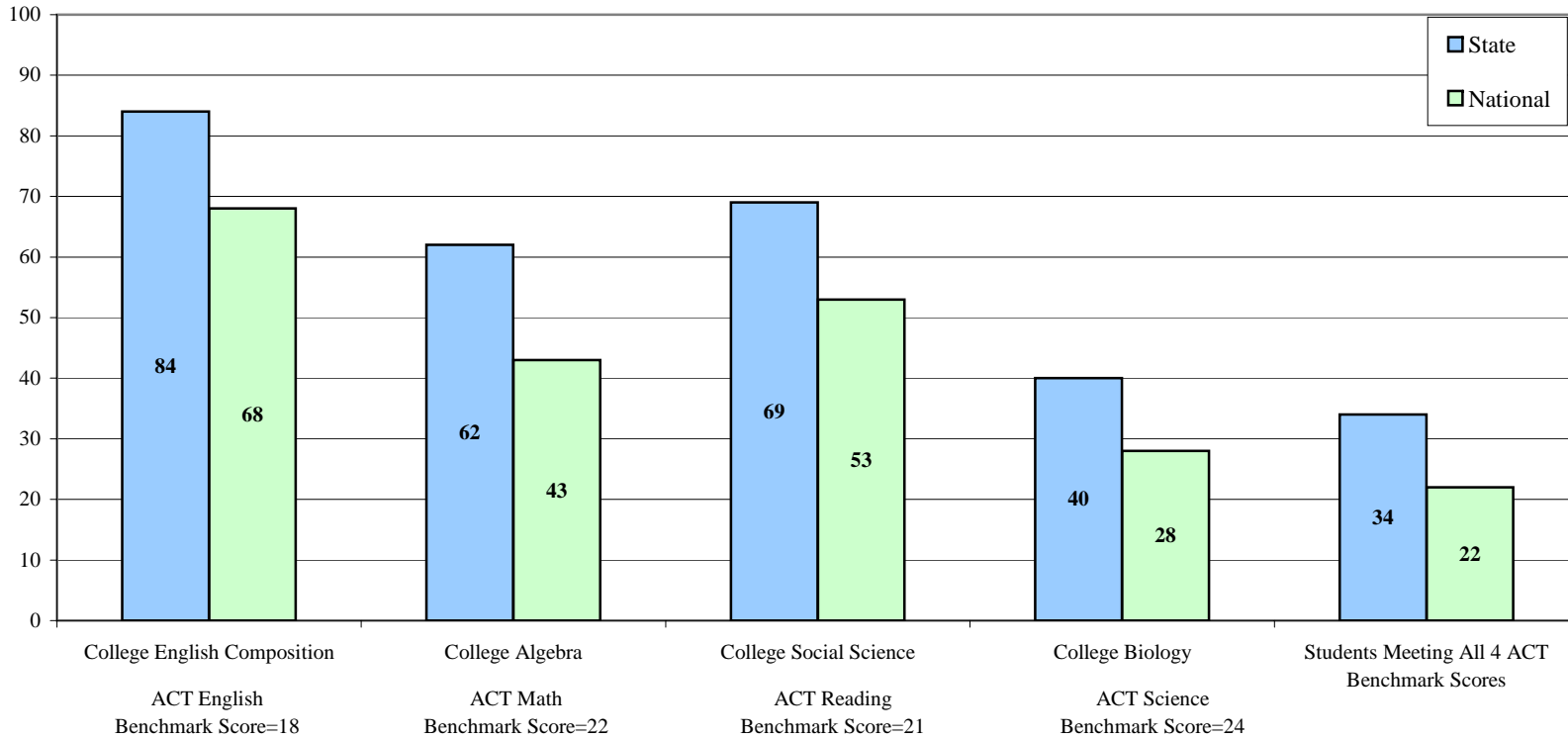
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic 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	3,366	1,171,460	81	68	55	40	64	52	35	26	30	21
2005	4,035	1,186,251	80	68	57	41	67	51	36	26	31	21
2006	5,093	1,206,455	84	69	61	42	69	53	37	27	32	21
2007	6,651	1,300,599	85	69	61	43	68	53	40	28	35	23
<b>2008</b>	<b>8,159</b>	<b>1,421,941</b>	<b>84</b>	<b>68</b>	<b>62</b>	<b>43</b>	<b>69</b>	<b>53</b>	<b>40</b>	<b>28</b>	<b>34</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	3,366	1,171,460	22.3	20.4	22.4	20.7	23.0	21.3	21.9	20.9	22.5	20.9
2005	4,035	1,186,251	22.5	20.4	22.7	20.7	23.4	21.3	22.0	20.9	22.8	20.9
2006	5,093	1,206,455	23.0	20.6	23.0	20.8	23.6	21.4	22.2	20.9	23.1	21.1
2007	6,651	1,300,599	23.2	20.7	23.2	21.0	23.6	21.5	22.4	21.0	23.2	21.2
<b>2008</b>	<b>8,159</b>	<b>1,421,941</b>	<b>23.2</b>	<b>20.6</b>	<b>23.3</b>	<b>21.0</b>	<b>23.6</b>	<b>21.4</b>	<b>22.3</b>	<b>20.8</b>	<b>23.3</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	1,549	778	46	23	22.7	21.2	22.8	20.9	23.4	22.0	22.5	21.0	23.0	21.4
2005	1,880	1,034	47	26	22.9	21.7	23.0	21.8	23.8	22.7	22.5	21.3	23.2	22.0
2006	2,264	1,345	44	26	23.5	22.1	23.5	22.1	24.0	22.9	22.7	21.5	23.5	22.3
2007	2,918	1,683	44	25	23.7	22.4	23.5	22.3	24.1	22.9	22.9	21.8	23.7	22.5
<b>2008</b>	<b>5,039</b>	<b>1,798</b>	<b>62</b>	<b>22</b>	<b>23.5</b>	<b>22.3</b>	<b>23.5</b>	<b>22.3</b>	<b>23.8</b>	<b>22.7</b>	<b>22.6</b>	<b>21.5</b>	<b>23.5</b>	<b>22.4</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>3,366</b>	<b>100</b>	<b>22.5</b>	<b>4,035</b>	<b>100</b>	<b>22.8</b>	<b>5,093</b>	<b>100</b>	<b>23.1</b>	<b>6,651</b>	<b>100</b>	<b>23.2</b>	<b>8,159</b>	<b>100</b>	<b>23.3</b>
African American/Black	254	8	18.0	260	6	17.7	278	5	19.0	360	5	18.3	410	5	18.4
American Indian/Alaska Native	9	0	17.9	8	0	23.8	18	0	21.2	20	0	21.5	22	0	21.7
Caucasian American/White	2,197	65	23.0	2,720	67	23.2	3,213	63	23.4	3,901	59	23.5	5,369	66	23.4
Hispanic	135	4	20.0	160	4	20.5	158	3	21.1	213	3	20.9	348	4	20.9
Asian American/Pacific Islander	125	4	23.1	141	3	24.0	144	3	23.8	178	3	24.6	265	3	24.8
Other/No Response	646	19	23.1	746	18	23.3	1,282	25	23.3	1,979	30	23.7	1,745	21	24.2

# 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	11	100	37	100	92	100	40	100	0	100	36
35	160	100	89	100	97	99	59	100	26	100	35
34	178	98	116	98	143	98	56	99	59	100	34
33	172	96	217	97	231	96	82	98	121	99	33
32	164	94	167	94	277	93	67	97	120	97	32
31	238	92	121	92	315	90	99	96	234	96	31
30	276	89	293	91	414	86	173	95	275	93	30
29	369	85	325	87	348	81	167	93	357	90	29
28	298	81	438	83	419	77	248	91	406	85	28
27	406	77	500	78	368	71	341	88	531	80	27
26	458	72	588	72	368	67	442	84	543	74	26
25	634	67	694	65	478	62	740	78	661	67	25
24	536	59	557	56	453	56	722	69	643	59	24
23	545	52	551	49	694	51	618	60	638	51	23
22	626	46	386	42	372	42	840	53	641	43	22
21	640	38	465	38	533	38	573	42	535	36	21
20	519	30	317	32	474	31	802	35	482	29	20
19	334	24	391	28	446	26	611	26	469	23	19
18	314	20	475	23	266	20	392	18	406	17	18
17	331	16	455	18	267	17	260	13	324	12	17
16	178	12	491	12	349	14	232	10	238	8	16
15	212	9	273	6	219	9	162	7	159	6	15
14	154	7	136	3	184	7	144	5	123	4	14
13	95	5	44	1	146	4	84	4	84	2	13
12	81	4	17	1	89	3	84	3	43	1	12
11	78	3	10	1	58	1	43	1	23	1	11
10	56	2	2	1	30	1	42	1	10	1	10
9	39	1	3	1	7	1	24	1	3	1	9
8	28	1	1	1	6	1	7	1	4	1	8
7	20	1	0	1	7	1	0	1	1	1	7
6	7	1	0	1	4	1	0	1	0	1	6
5	2	1	0	1	1	1	2	1	0	1	5
4	0	1	0	1	2	1	1	1	0	1	4
3	0	1	0	1	0	1	2	1	0	1	3
2	0	1	0	1	2	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	23.2 (5.7)		23.3 (5.3)		23.6 (5.9)		22.3 (4.8)		23.3 (4.8)		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	476	100	74	100	332	100	333	100	722	100	113	100	128	100	18
17	514	94	329	99	547	96	658	96	593	91	203	99	60	98	17
16	678	88	583	95	568	89	1,000	88	746	84	297	96	626	98	16
15	574	80	856	88	677	82	813	76	613	75	445	92	507	90	15
14	589	73	664	77	567	74	804	66	867	67	1,012	87	1,171	84	14
13	904	65	907	69	848	67	441	56	885	57	967	75	845	69	13
12	738	54	1,217	58	752	57	863	50	694	46	856	63	1,076	59	12
11	812	45	962	43	788	47	898	40	598	37	1,231	52	747	46	11
10	862	35	954	31	828	38	534	29	821	30	1,277	37	1,187	37	10
9	576	25	535	20	666	28	510	22	369	20	758	22	608	22	9
8	449	18	456	13	784	19	409	16	582	15	447	12	462	15	8
7	345	12	271	8	310	10	315	11	433	8	196	7	330	9	7
6	273	8	139	4	243	6	275	7	154	3	141	4	157	5	6
5	165	5	88	3	105	3	174	4	59	1	126	3	94	3	5
4	125	3	81	2	74	2	91	2	14	1	32	1	54	2	4
3	51	1	35	1	47	1	27	1	5	1	38	1	80	1	3
2	27	1	7	1	9	1	14	1	3	1	5	1	15	1	2
1	1	1	1	1	14	1	0	1	1	1	15	1	12	1	1
Avg (SD)	12.0 (3.6)		11.9 (3.0)		11.8 (3.5)		12.4 (3.6)		12.7 (3.4)		11.5 (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	28	25	27
Q2 (50th Percentile)	23	24	23	22	23
Q1 (25th Percentile)	20	19	19	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>8,159</b>	<b>62</b>	<b>23.5</b>	<b>22.4</b>
	African Am./Black	410	57	18.8	17.5
	Am. Indian/Alaska Native	22	55	23.8	18.3
	Caucasian Am./White	5,369	66	23.7	22.5
	Hispanic	348	59	21.3	19.9
	Asian Am./Pacific Islander	265	66	24.7	24.8
	Other/No Response	1,745	51	24.2	24.0
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>	23.2	23.3	23.6	22.3	23.3
	African Am./Black	17.9	18.5	18.8	18.1	18.4
	Am. Indian/Alaska Native	21.5	21.6	23.0	20.6	21.7
	Caucasian Am./White	23.4	23.4	23.8	22.5	23.4
	Hispanic	20.6	20.6	21.4	20.3	20.9
	Asian Am./Pacific Islander	24.3	26.3	24.4	23.6	24.8
	Other/No Response	24.2	24.3	24.5	23.0	24.2
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	521	6	459	6	563	7	237	3
	28 to 32	1,345	16	1,344	16	1,773	22	754	9
	24 to 27	2,034	25	2,339	29	1,667	20	2,245	28
	20 to 23	2,330	29	1,719	21	2,073	25	2,833	35
	16 to 19	1,157	14	1,812	22	1,328	16	1,495	18
	13 to 15	461	6	453	6	549	7	390	5
	01 to 12	311	4	33	0	206	3	205	3
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	3,247	40	22.6	24.0	23.3	22.7	23.3
	Females	4,468	55	23.6	22.8	23.8	22.0	23.2
	Missing	444	5	24.0	24.3	24.6	23.1	24.1
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	82	67	66	43	38
	Females	86	58	70	36	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	5,039	86	23.5	64	23.5	70	23.8	41	22.6	35	23.5
	Non-Core	1,798	79	22.3	54	22.3	63	22.7	34	21.5	29	22.4
	Missing	1,322	84	23.4	68	24.0	71	24.0	42	22.5	39	23.6
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	6,435	85	23.3	6,604	62	23.3	5,725	68	23.5	6,234	41	22.5
	Non-Core	538	81	22.6	302	41	21.1	1,179	69	23.7	650	25	20.3
	Missing	1,186	84	23.4	1,253	68	24.0	1,255	71	24.0	1,275	43	22.6
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.

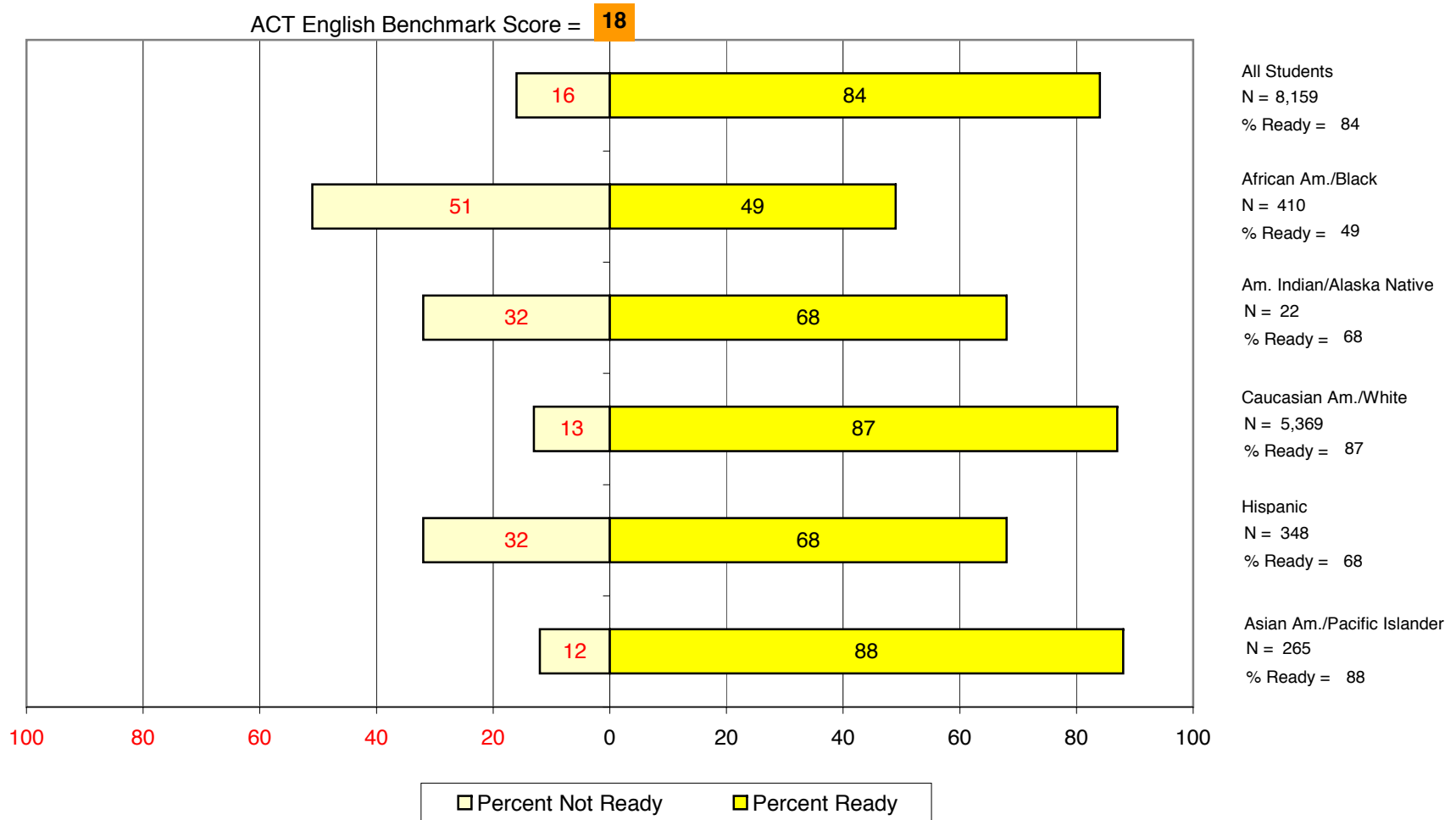
For instance, Reading "Core" results correspond to students taking three or more years each of social studies, regardless of courses taken in other content areas.



# 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**

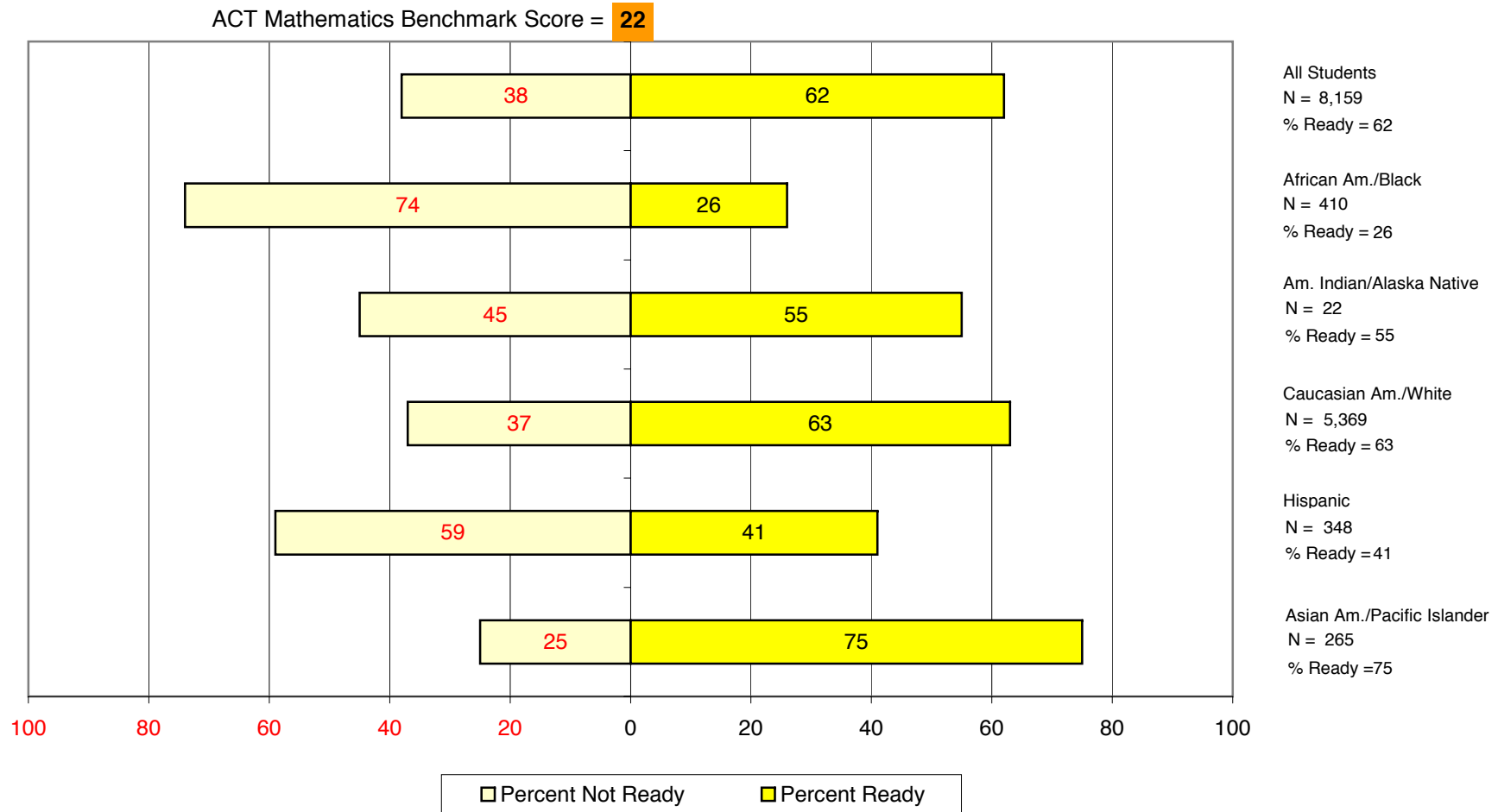


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

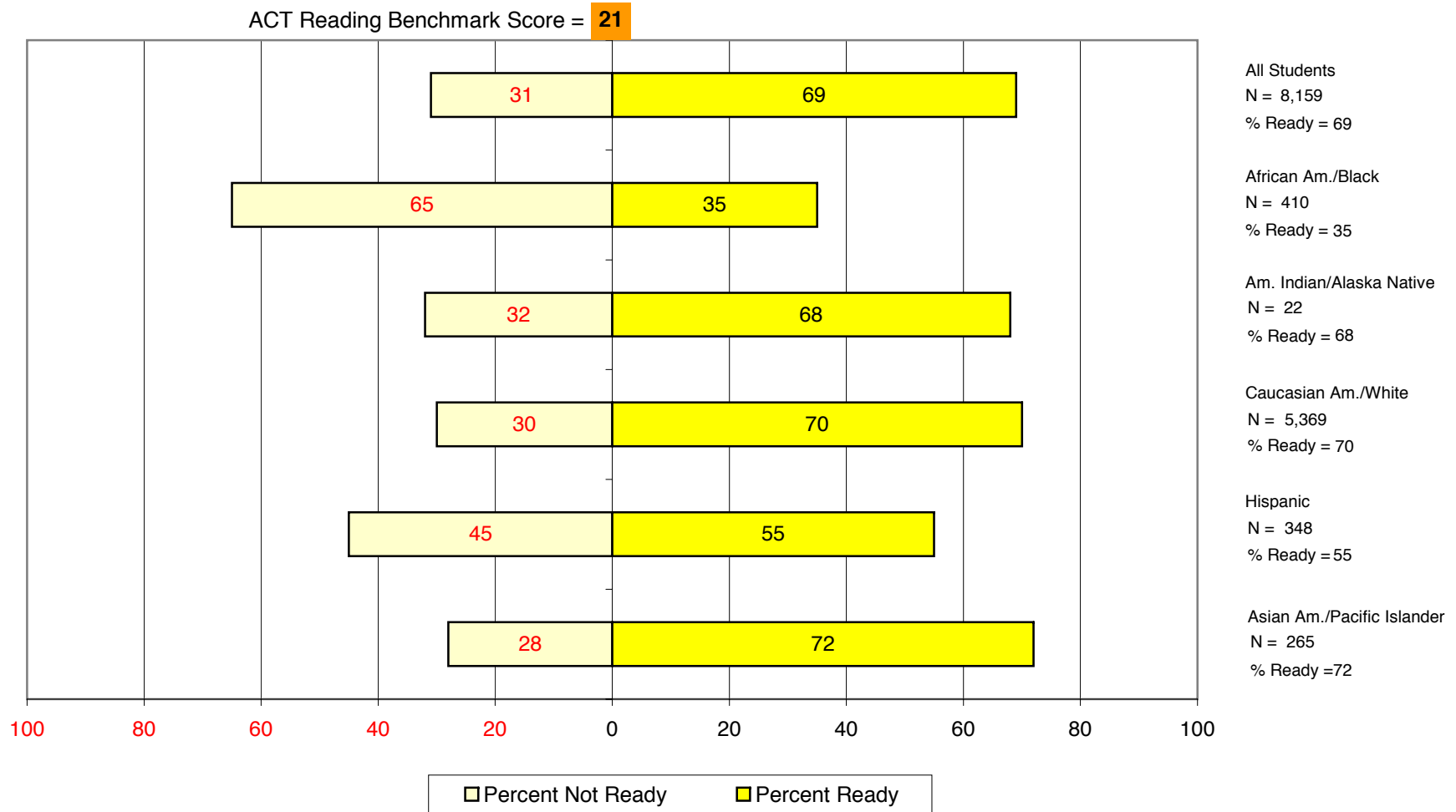


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24

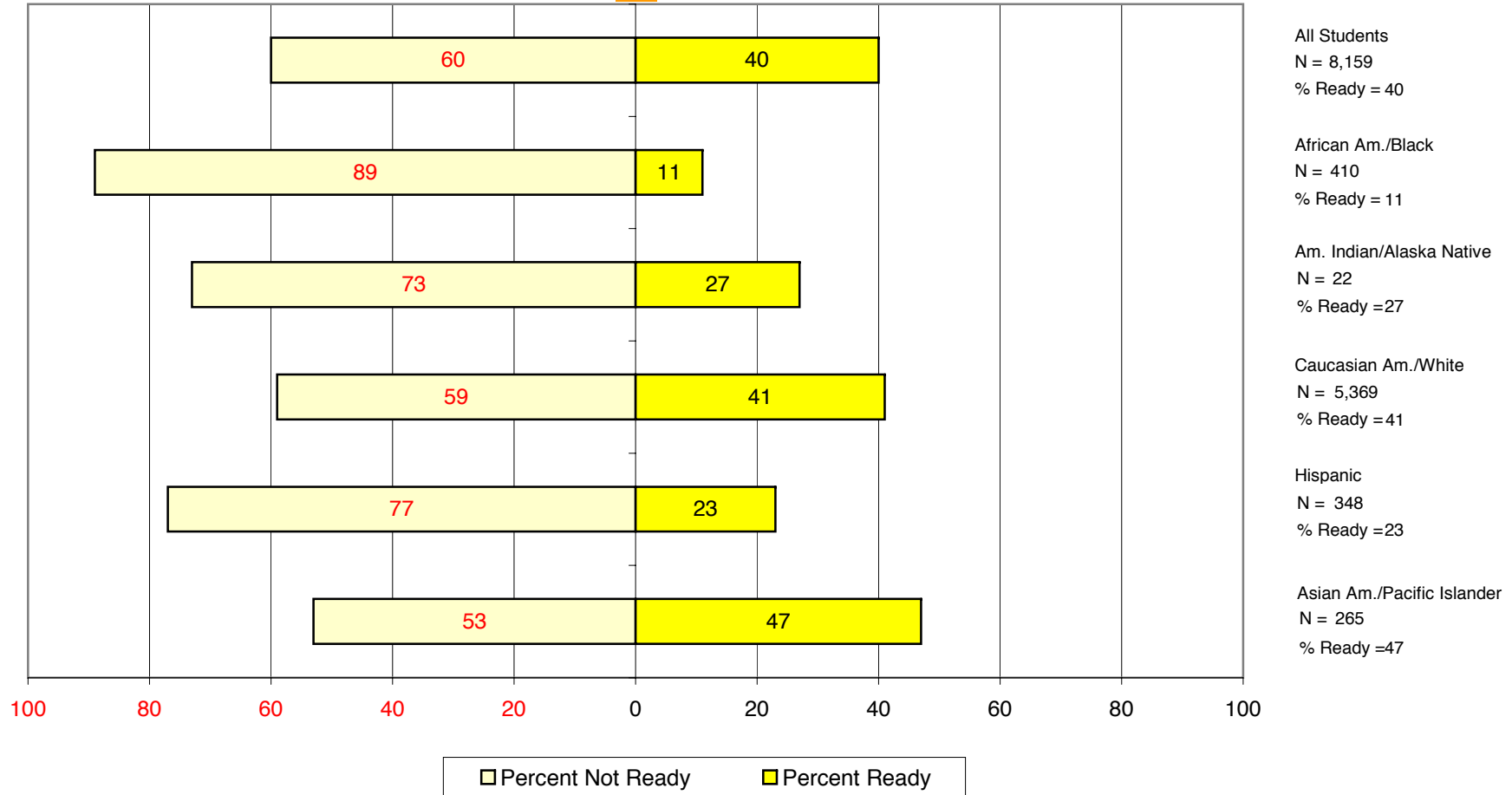
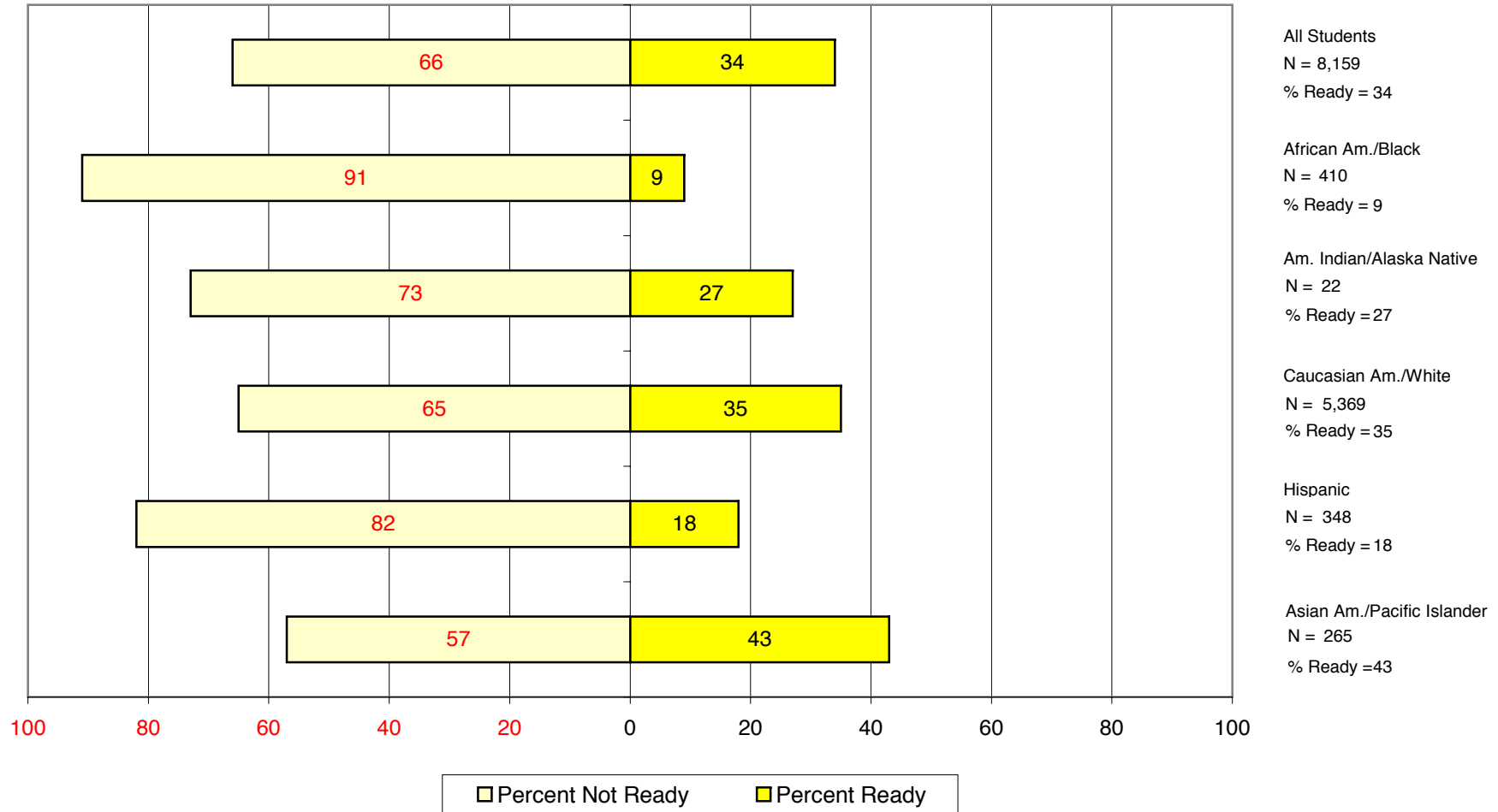


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**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	1,668	20	23.5	0.9	558	17	22.7	0.4	1,057	24	23.9	0.9
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	4,767	58	23.2	0.6	1,892	58	22.7	0.4	2,693	60	23.5	0.5
Less than 4 years of English	547	7	22.6	-	245	8	22.3	-	255	6	23.0	-
No English course/grade information reported	1,177	14	23.4	-	552	17	22.3	-	463	10	24.2	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	653	8	26.6	5.4	262	8	27.2	5.2	363	8	26.1	5.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	659	8	23.4	2.2	236	7	23.7	1.7	400	9	23.2	2.8
Alg 1, Alg 2, Geom, & Trig	569	7	21.5	0.3	225	7	22.1	0.1	315	7	20.9	0.5
Alg 1, Alg 2, Geom, & Other Adv Math	1,361	17	21.6	0.4	426	13	22.4	0.4	888	20	21.3	0.9
Other comb of 4 or more years of Math	2,160	26	25.6	4.4	942	29	26.2	4.2	1,136	25	25.1	4.7
Alg 1, Alg 2, & Geom (Min. Core)	806	10	18.7	-2.5	292	9	19.2	-2.8	484	11	18.3	-2.1
Other comb of 3 or 3.5 years of Math	396	5	23.0	1.8	152	5	23.3	1.3	229	5	22.7	2.3
Less than 3 years of Math	326	4	21.2	-	140	4	22.0	-	163	4	20.4	-
No Math course/grade information reported	1,229	15	24.0	-	572	18	24.1	-	490	11	23.6	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	736	9	24.4	0.7	330	10	24.0	0.9	382	9	24.7	0.6
Other comb of 4 or more years Social Science	2,298	28	23.5	-0.2	872	27	23.4	0.3	1,336	30	23.6	-0.5
US Hist, World Hist, & Am Gov (Min. Core)	782	10	22.4	-1.3	307	9	22.1	-1.0	438	10	22.6	-1.5
Other comb of 3 or 3.5 years of Social Science	1,909	23	23.6	-0.1	690	21	23.5	0.4	1,150	26	23.6	-0.5
Less than 3 years of Social Science	1,201	15	23.7	-	472	15	23.1	-	675	15	24.1	-
No Soc Sci course/grade information reported	1,233	15	23.9	-	576	18	23.1	-	487	11	24.5	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	3,331	41	23.1	2.7	1,366	42	23.7	3.0	1,847	41	22.7	2.7
Bio, Chem, Phys	856	10	24.3	3.9	345	11	24.9	4.2	467	10	23.8	3.8
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	1,935	24	20.6	0.2	641	20	20.7	0.0	1,218	27	20.5	0.5
Other comb of 3 years of Natural Science	112	1	21.5	1.1	53	2	22.0	1.3	55	1	21.1	1.1
Less than 3 years of Natural Science	682	8	20.4	-	263	8	20.7	-	386	9	20.0	-
No Nat Sci course/grade information reported	1,243	15	22.6	-	579	18	22.3	-	495	11	22.5	-

<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	1,668	20	23.5	85	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	4,767	58	23.2	84	949,721	67	20.5	68
Less than 4 years of English	547	7	22.6	81	112,496	8	18.8	56
No English course/grade information reported	1,177	14	23.4	84	93,330	7	20.2	64
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	653	8	26.6	86	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	659	8	23.4	67	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	569	7	21.5	45	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	1,361	17	21.6	51	204,909	14	20.4	38
Other comb of 4 or more years of Math	2,160	26	25.6	79	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	806	10	18.7	25	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	396	5	23.0	58	70,951	5	20.8	41
Less than 3 years of Math	326	4	21.2	44	131,252	9	17.4	14
No Math course/grade information reported	1,229	15	24.0	68	98,554	7	21.1	44
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	736	9	24.4	74	42,546	3	22.7	61
Other comb of 4 or more years Social Science	2,298	28	23.5	68	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	782	10	22.4	61	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	1,909	23	23.6	68	404,731	28	21.3	52
Less than 3 years of Social Science	1,201	15	23.7	70	185,561	13	20.4	45
No Soc Sci course/grade information reported	1,233	15	23.9	70	98,548	7	21.1	50
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	3,331	41	23.1	47	453,654	32	22.2	38
Bio, Chem, Phys	856	10	24.3	57	134,033	9	23.2	47
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	1,935	24	20.6	24	435,183	31	20.1	20
Other comb of 3 years of Natural Science	112	1	21.5	32	40,179	3	20.1	22
Less than 3 years of Natural Science	682	8	20.4	26	259,142	18	18.7	13
No Nat Sci course/grade information reported	1,243	15	22.6	43	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	33	0	21.8	1	2	18.0	27	0	22.3
Architecture & Environmental Design	88	1	23.0	1	2	12.0	80	1	22.9
Business & Management	852	10	22.7	4	8	17.5	731	12	22.6
Business & Office	35	0	21.2	1	2	21.0	28	0	21.2
Marketing & Distribution	79	1	21.0	0	0	.	69	1	20.8
Communications & Comm. Technologies	272	3	22.3	3	6	13.7	245	4	22.2
Community & Personal Services	98	1	19.7	3	6	17.7	84	1	19.7
Computer & Information Sciences	74	1	23.1	1	2	12.0	65	1	23.4
Cross-Disciplinary Studies	37	0	25.2	0	0	.	29	0	24.5
Education	307	4	21.2	4	8	18.5	259	4	21.2
Teacher Education	141	2	20.6	0	0	.	134	2	20.7
Engineering	231	3	26.0	0	0	.	212	4	25.9
Engineering-Related Technologies	112	1	23.4	1	2	23.0	98	2	23.4
Foreign Languages	58	1	24.5	0	0	.	51	1	24.4
Health Sciences & Allied Health Fields	814	10	22.4	9	19	16.3	737	13	22.4
Human, Family & Consumer Science	40	0	20.6	0	0	.	38	1	20.4
Letters	65	1	26.0	0	0	.	60	1	26.2
Mathematics	57	1	25.0	0	0	.	52	1	24.7
Philosophy, Religion & Theology	25	0	24.1	0	0	.	21	0	23.0
Sciences (Biological & Physical)	498	6	25.0	1	2	15.0	441	7	24.9
Social Sciences	523	6	23.3	1	2	15.0	463	8	23.2
Trade & Industrial	14	0	19.8	2	4	14.5	11	0	20.8
Visual & Performing Arts	293	4	21.7	5	10	16.0	259	4	21.8
Undecided	1,468	18	23.7	9	19	17.1	1,161	20	23.7
No Response	1,945	24	23.8	2	4	15.5	530	9	23.8

<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	8	18.1	0	.	1	12.0	7	19.0	0	.	0	.	0	.
2-yr College Degree	40	16.3	3	11.3	0	.	24	17.1	5	16.2	2	13.5	6	16.3
Bachelors Degree	2,062	21.1	107	16.3	7	19.3	1,575	21.4	73	19.3	39	21.3	261	22.0
Graduate Study	2,058	23.7	78	19.6	2	21.5	1,513	23.9	90	22.0	54	24.4	321	24.4
Prof. Level Degree	1,765	24.6	137	19.4	8	25.6	1,081	25.3	109	21.4	105	25.9	325	25.0
Other	118	20.0	8	15.1	1	17.0	81	20.7	6	15.7	5	20.2	17	20.6
No Response	2,108	24.0	77	19.1	3	21.7	1,088	24.1	65	21.2	60	26.3	815	24.5

**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 CONNECTICUT	Connecticut	945	367	578	1	4	15	35	32	12	1
CENTRAL CONNECTICUT STATE UNIVERSITY	Connecticut	343	104	239	2	11	43	32	11	1	0
SOUTHERN CONNECTICUT STATE UNIVERSITY	Connecticut	319	73	246	3	15	41	29	10	2	0
QUINNIPIAC UNIVERSITY	Connecticut	272	81	191	2	3	20	42	27	7	0
EASTERN CONNECTICUT STATE UNIVERSITY	Connecticut	221	59	162	2	11	41	34	12	0	0
NORTHEASTERN UNIVERSITY	Massachusetts	197	45	152	0	1	7	36	39	17	1
BOSTON UNIVERSITY	Massachusetts	177	60	117	0	4	7	27	36	26	1
WESTERN CONNECTICUT STATE UNIVERSITY	Connecticut	175	39	136	3	10	43	32	10	1	0
UNIVERSITY OF RHODE ISLAND	Rhode Island	173	34	139	0	5	25	42	20	8	1
BOSTON COLLEGE	Massachusetts	164	50	114	0	1	5	25	34	31	5
SACRED HEART UNIVERSITY	Connecticut	151	30	121	0	6	26	50	16	1	0
UNIVERSITY OF NEW HAVEN	Connecticut	122	40	82	2	5	43	30	14	6	0
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	121	17	104	1	2	12	49	31	6	0
NCAA ELIGIBILITY CENTER	Indiana	117	77	40	0	15	22	26	23	13	1
FAIRFIELD UNIVERSITY	Connecticut	109	28	81	1	3	17	35	31	12	2
MARIST COLLEGE	New York	108	25	83	0	1	16	46	33	4	0
UNIVERSITY OF HARTFORD	Connecticut	101	21	80	0	12	28	38	20	3	0
NEW YORK UNIVERSITY	New York	93	29	64	0	5	11	20	41	23	0
VILLANOVA UNIVERSITY	Pennsylvania	92	24	68	0	0	3	21	42	28	5
SALVE REGINA UNIVERSITY	Rhode Island	90	21	69	0	1	28	46	22	3	0
ROGER WILLIAMS UNIVERSITY	Rhode Island	84	17	67	0	5	25	45	23	1	1
UNIVERSITY OF VERMONT	Vermont	84	28	56	0	0	5	31	49	14	1
YALE UNIVERSITY	Connecticut	84	31	53	1	5	10	18	21	33	12
FORDHAM UNIVERSITY	New York	80	20	60	1	1	10	33	40	15	0
UNIVERSITY OF DELAWARE	Delaware	79	23	56	0	1	9	34	37	18	1
PROVIDENCE COLLEGE	Rhode Island	78	12	66	1	0	10	36	33	18	1
WESTERN NEW ENGLAND COLLEGE	Massachusetts	78	12	66	1	12	26	36	18	8	0
BRYANT UNIVERSITY	Rhode Island	74	12	62	0	1	11	41	39	8	0
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	74	20	54	0	4	7	31	38	18	3
UNIVERSITY OF NEW HAMPSHIRE	New Hampshire	74	11	63	0	0	15	31	45	8	1
All Other Institutions		5,647	1,466	4,181	1	6	17	28	27	18	2
<b>Total</b>		<b>10,526</b>	<b>2,876</b>	<b>7,650</b>	<b>1</b>	<b>6</b>	<b>19</b>	<b>31</b>	<b>27</b>	<b>15</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>6,438</b>	<b>770,529</b>	<b>23.9</b>	<b>21.4</b>	<b>8.7</b>	<b>7.3</b>	<b>24.0</b>	<b>20.9</b>
African Am./Black	281	86,049	18.7	16.6	7.8	6.5	19.4	16.6
Am. Indian/Alaska Native	14	5,148	23.1	18.9	7.5	6.7	22.4	18.5
Caucasian Am./White	4,211	464,177	24.1	22.5	8.7	7.4	24.2	21.8
Hispanic	281	71,060	21.3	18.3	8.3	7.1	21.7	18.5
Asian Am./Pacific Islander	232	37,359	25.0	23.1	8.7	7.9	24.8	22.6
Other/No Response	1,419	106,736	24.9	22.2	8.7	7.5	24.8	21.7
Males	2,434	327,613	23.5	20.9	8.4	7.0	23.4	20.2
Females	3,653	421,968	24.2	21.7	8.8	7.6	24.4	21.3
Missing	351	20,948	24.5	23.9	8.7	7.9	24.5	23.2



