

# ACT High School Profile Report

The Graduating Class of 2006  
Connecticut





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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

32% 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.** 5,093 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. 44% 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 7% of the cohort took less than three years of math courses. Of these students, 44% were college ready. 8% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 21% of these students were college ready. In comparison, 69% 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 10% of the cohort took less than three years of natural science courses. 26% 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 30% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at [www.act.org/standard](http://www.act.org/standard).

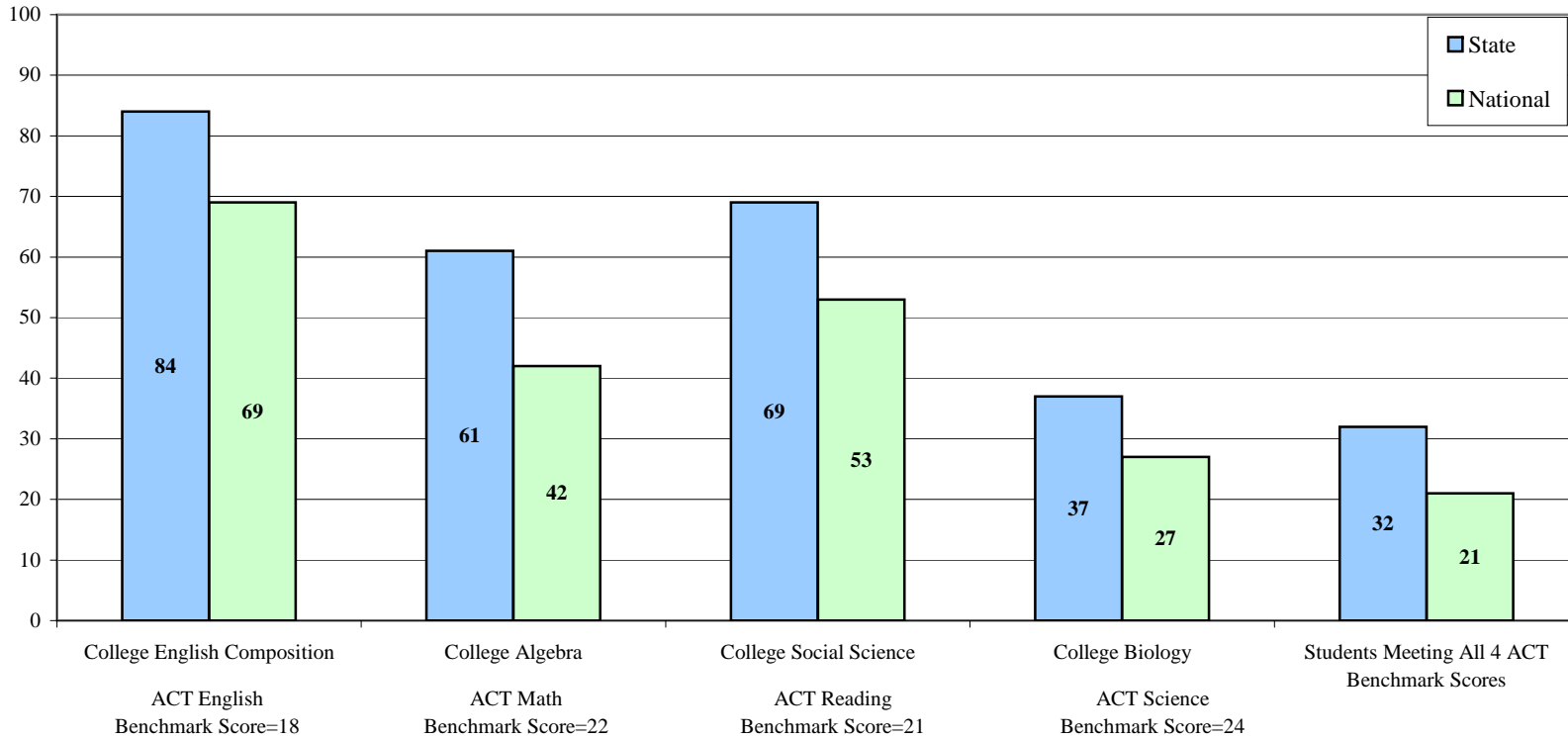
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic 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	1,897	1,116,082	73	67	49	39	60	53	27	26	23	20
2003	2,791	1,175,059	77	67	51	40	62	52	31	26	27	20
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
<b>2006</b>	<b>5,093</b>	<b>1,206,455</b>	<b>84</b>	<b>69</b>	<b>61</b>	<b>42</b>	<b>69</b>	<b>53</b>	<b>37</b>	<b>27</b>	<b>32</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	1,897	1,116,082	21.3	20.2	21.4	20.6	22.1	21.1	21.0	20.8	21.6	20.8
2003	2,791	1,175,059	21.8	20.3	21.9	20.6	22.7	21.2	21.5	20.8	22.1	20.8
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
<b>2006</b>	<b>5,093</b>	<b>1,206,455</b>	<b>23.0</b>	<b>20.6</b>	<b>23.0</b>	<b>20.8</b>	<b>23.6</b>	<b>21.4</b>	<b>22.2</b>	<b>20.9</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
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	703	677	37	36	22.0	20.4	21.9	20.5	22.8	21.2	21.8	20.3	22.2	20.7
2003	963	982	35	35	22.5	21.0	22.4	21.1	23.4	21.9	22.1	20.9	22.7	21.4
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
<b>2006</b>	<b>2,264</b>	<b>1,345</b>	<b>44</b>	<b>26</b>	<b>23.5</b>	<b>22.1</b>	<b>23.5</b>	<b>22.1</b>	<b>24.0</b>	<b>22.9</b>	<b>22.7</b>	<b>21.5</b>	<b>23.5</b>	<b>22.3</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>1,897</b>	<b>100</b>	<b>21.6</b>	<b>2,791</b>	<b>100</b>	<b>22.1</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>
African American/Black	180	9	16.7	243	9	16.9	254	8	18.0	260	6	17.7	278	5	19.0
American Indian/Alaskan Native	9	0	19.2	2	0	20.0	9	0	17.9	8	0	23.8	18	0	21.2
Caucasian American/White	1,302	69	22.2	1,783	64	22.9	2,197	65	23.0	2,720	67	23.2	3,213	63	23.4
Hispanic	69	4	20.1	101	4	19.5	135	4	20.0	160	4	20.5	158	3	21.1
Asian American/Pacific Islander	48	3	22.6	92	3	23.1	125	4	23.1	141	3	24.0	144	3	23.8
Other/No Response	289	15	22.0	570	20	22.2	646	19	23.1	746	18	23.3	1,282	25	23.3

# 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	7	100	12	100	49	100	14	100	1	100	36
35	51	100	34	100	94	99	30	100	9	100	35
34	79	99	70	99	140	97	26	99	23	100	34
33	84	97	51	98	141	94	41	99	51	99	33
32	108	96	68	97	123	92	66	98	76	98	32
31	111	94	118	95	179	89	54	97	95	97	31
30	202	91	187	93	194	86	32	95	197	95	30
29	226	87	211	89	244	82	103	95	199	91	29
28	275	83	255	85	238	77	163	93	284	87	28
27	203	78	312	80	322	72	171	90	324	82	27
26	296	74	385	74	272	66	418	86	395	75	26
25	437	68	417	67	339	61	319	78	397	68	25
24	340	59	381	58	285	54	459	72	390	60	24
23	284	53	330	51	287	49	467	63	366	52	23
22	381	47	268	44	311	43	503	54	404	45	22
21	356	39	252	39	274	37	407	44	324	37	21
20	337	32	271	34	231	31	491	36	351	31	20
19	281	26	269	29	251	27	397	26	302	24	19
18	231	20	304	24	168	22	273	18	234	18	18
17	155	16	326	18	227	19	190	13	209	13	17
16	161	13	249	11	179	14	133	9	159	9	16
15	143	10	175	6	156	11	98	7	119	6	15
14	109	7	94	3	133	8	58	5	80	4	14
13	49	5	28	1	99	5	56	4	48	2	13
12	47	4	18	1	88	3	38	2	31	1	12
11	41	3	5	1	38	1	30	2	14	1	11
10	32	2	1	1	13	1	28	1	4	1	10
9	24	1	0	1	5	1	14	1	3	1	9
8	17	1	0	1	8	1	9	1	3	1	8
7	16	1	1	1	1	1	3	1	0	1	7
6	7	1	0	1	1	1	0	1	1	1	6
5	2	1	0	1	0	1	1	1	0	1	5
4	0	1	1	1	0	1	0	1	0	1	4
3	1	1	0	1	1	1	1	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	1	1	0	1	0	1	1
Average	23.0		23.0		23.6		22.2		23.1		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	233	100	33	100	119	100	250	100	268	100	68	100	63	100	18
17	345	95	144	99	464	98	425	95	290	95	117	99	102	99	17
16	296	89	311	97	331	89	494	87	585	89	147	96	215	97	16
15	373	83	533	90	405	82	488	77	416	78	327	93	404	93	15
14	565	76	653	80	359	74	534	67	444	69	665	87	615	85	14
13	333	64	579	67	556	67	469	57	655	61	401	74	642	73	13
12	587	58	538	56	493	56	485	48	637	48	869	66	680	60	12
11	472	46	704	45	486	46	350	38	342	35	529	49	466	47	11
10	559	37	510	31	390	37	396	31	370	29	722	39	794	37	10
9	398	26	469	21	496	29	339	24	292	21	647	25	366	22	9
8	286	18	246	12	422	20	234	17	393	16	247	12	291	15	8
7	245	13	153	7	208	11	238	12	254	8	48	7	199	9	7
6	174	8	80	4	189	7	204	8	84	3	140	6	139	5	6
5	97	4	81	3	84	3	109	4	45	1	100	3	8	2	5
4	80	3	34	1	40	2	50	2	9	1	18	1	77	2	4
3	34	1	20	1	40	1	21	1	4	1	34	1	3	1	3
2	14	1	4	1	5	1	5	1	5	1	1	1	23	1	2
1	2	1	1	1	6	1	2	1	0	1	13	1	6	1	1
Average	11.8		11.8		11.8		12.3		12.5		11.4		11.5		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	5,093	44	23.5	22.3
	African Am./Black	278	40	19.8	18.3
	Am. Indian/Alaskan Native	18	56	22.8	20.8
	Caucasian Am./White	3,213	47	23.9	22.7
	Hispanic	158	51	21.7	19.0
	Asian Am./Pacific Islander	144	53	23.9	24.1
	Other/No Response	1,282	36	23.6	22.9
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	221	4	167	3	424	8	111	2
	28 to 32	922	18	839	16	978	19	418	8
	24 to 27	1,276	25	1,495	29	1,218	24	1,367	27
	20 to 23	1,358	27	1,121	22	1,103	22	1,868	37
	16 to 19	828	16	1,148	23	825	16	993	19
	13 to 15	301	6	297	6	388	8	212	4
	01 to 12	187	4	26	1	157	3	124	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	1,959	38	22.2	23.5	22.9	22.5	22.9
	Females	2,762	54	23.6	22.7	24.1	22.0	23.2
	Missing	372	7	22.7	22.6	23.6	21.8	22.8
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	80	63	64	41	36
	Females	87	59	72	35	31
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

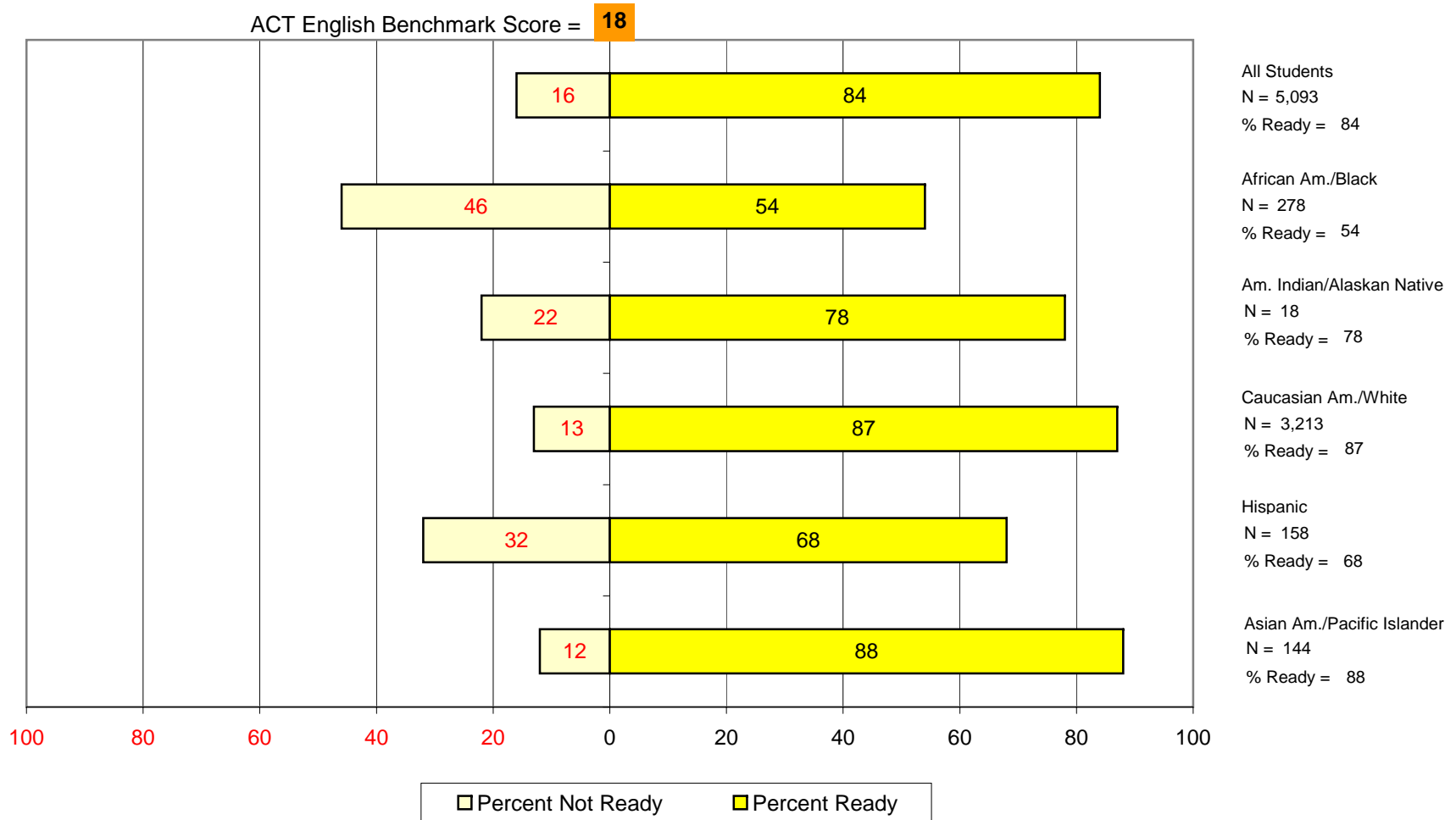
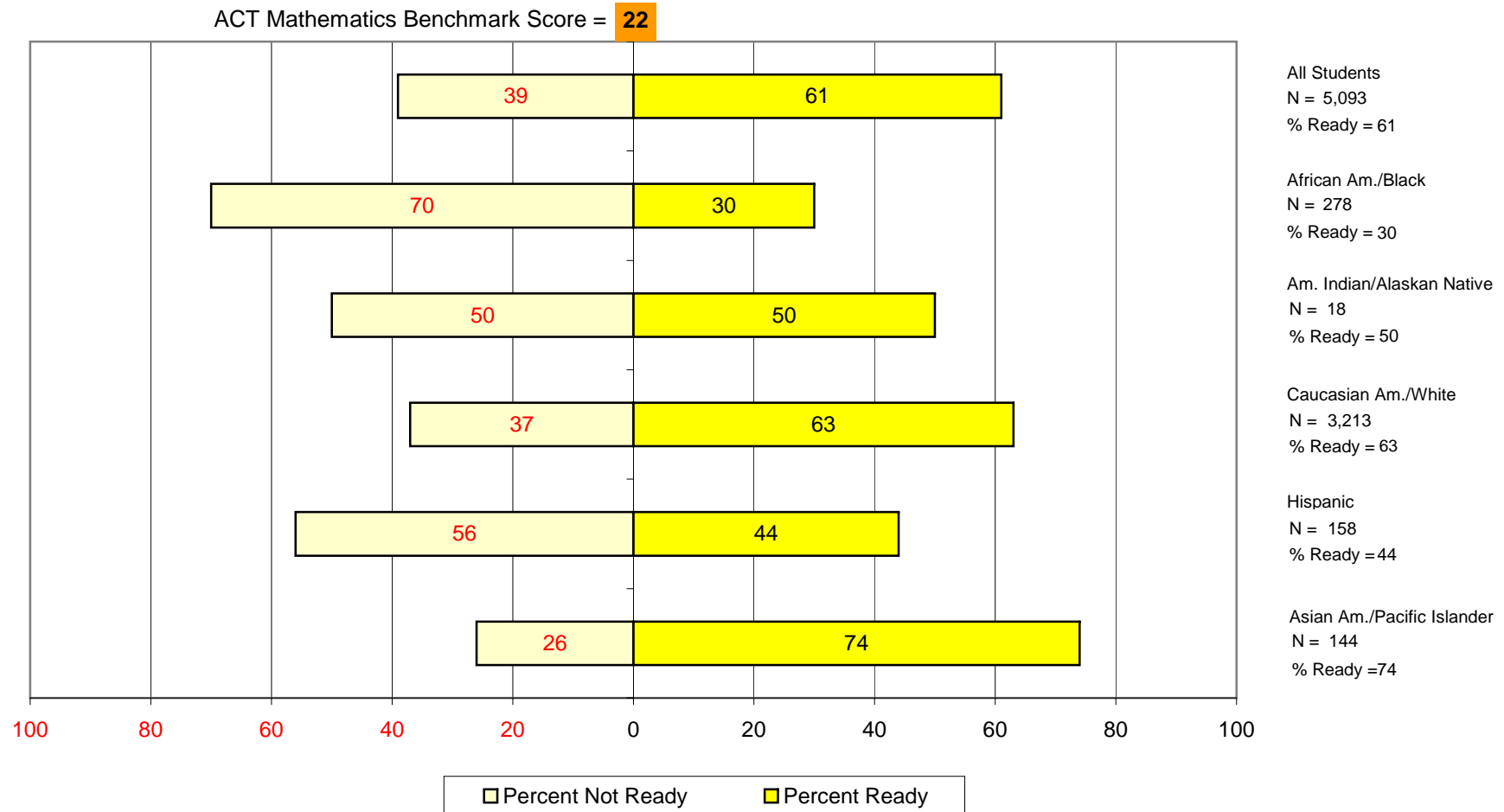


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS



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

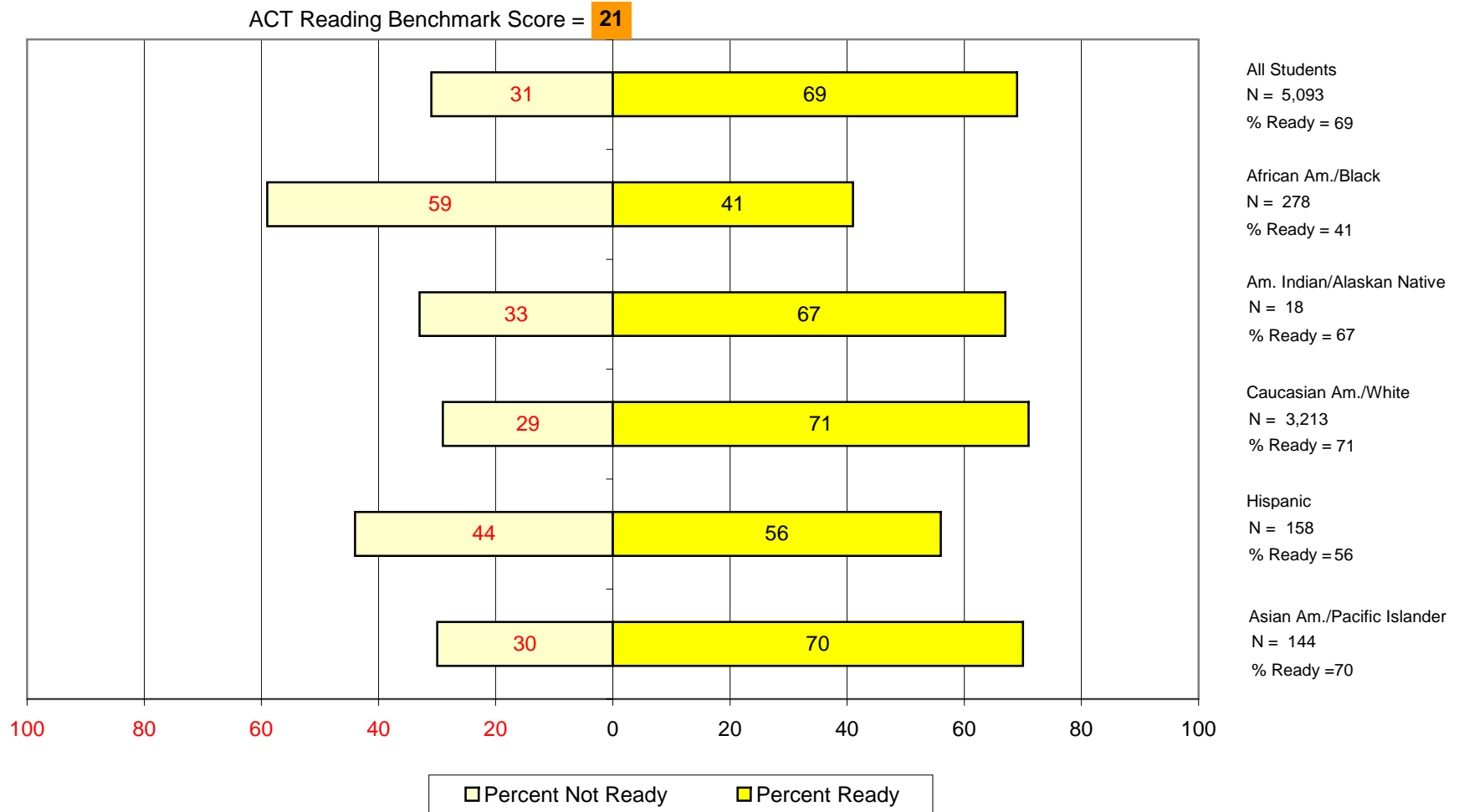


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

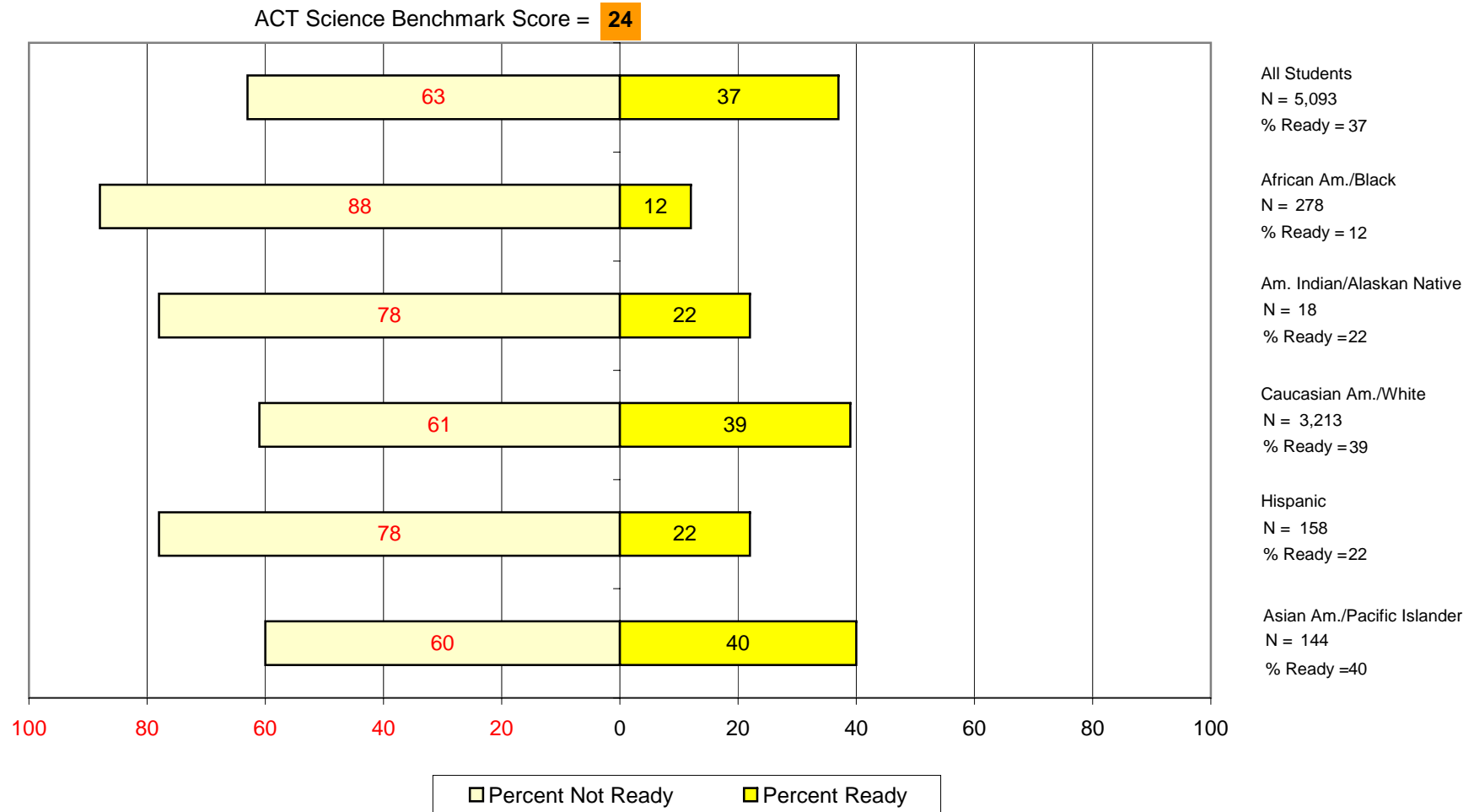
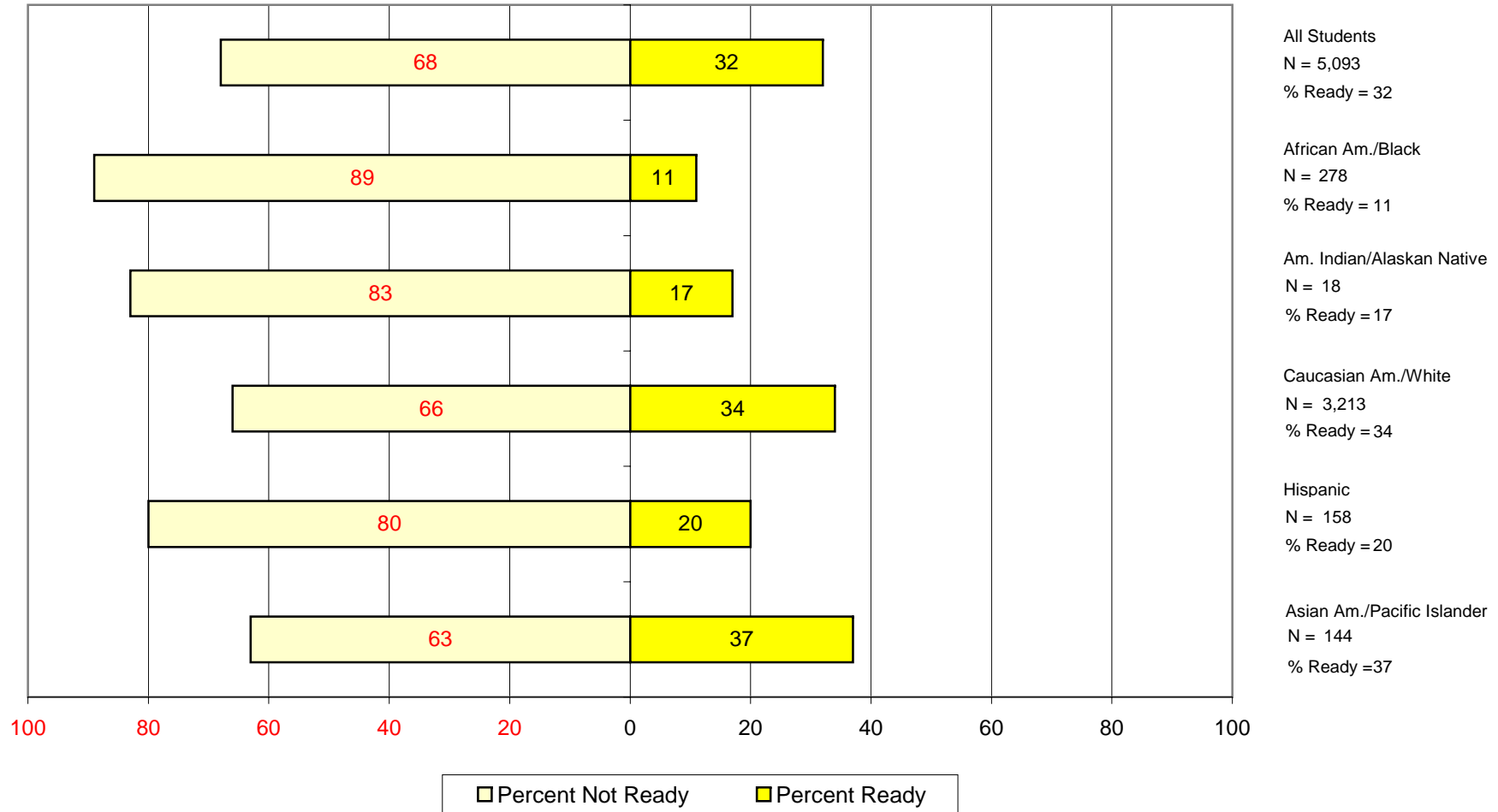


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**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	519	10	23.2	0.9	161	8	22.7	0.9	319	12	23.6	0.8
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	2,557	50	23.0	0.7	971	50	22.5	0.7	1,439	52	23.5	0.7
Less than 4 years of English	504	10	22.3	-	191	10	21.8	-	274	10	22.8	-
No English course/grade information reported	1,513	30	22.9	-	636	32	21.7	-	730	26	24.0	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	310	6	27.0	6.0	127	6	27.2	5.1	167	6	26.9	6.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	341	7	23.6	2.6	106	5	24.2	2.1	217	8	23.4	3.0
Alg 1, Alg 2, Geom, & Trig	325	6	21.4	0.4	130	7	21.3	-0.8	171	6	21.6	1.2
Alg 1, Alg 2, Geom, & Other Adv Math	678	13	21.8	0.8	222	11	22.4	0.3	412	15	21.5	1.1
Other comb of 4 or more years of Math	856	17	25.9	4.9	353	18	26.6	4.5	454	16	25.2	4.8
Alg 1, Alg 2, & Geom (Min. Core)	429	8	18.6	-2.4	142	7	18.6	-3.5	254	9	18.7	-1.7
Other comb of 3 or 3.5 years of Math	209	4	22.8	1.8	88	4	22.9	0.8	111	4	22.8	2.4
Less than 3 years of Math	357	7	21.0	-	119	6	22.1	-	213	8	20.4	-
No Math course/grade information reported	1,588	31	23.1	-	672	34	23.2	-	763	28	23.1	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	423	8	24.9	1.5	155	8	23.6	0.8	240	9	25.7	2.0
Other comb of 4 or more years Social Science	862	17	24.0	0.6	306	16	23.7	0.9	499	18	24.1	0.4
US Hist, World Hist, & Am Gov (Min. Core)	471	9	22.8	-0.6	192	10	22.4	-0.4	256	9	23.2	-0.5
Other comb of 3 or 3.5 years of Social Science	928	18	23.3	-0.1	323	16	23.0	0.2	551	20	23.6	-0.1
Less than 3 years of Social Science	802	16	23.4	-	299	15	22.8	-	446	16	23.7	-
No Soc Sci course/grade information reported	1,607	32	23.5	-	684	35	22.5	-	770	28	24.5	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	1,331	26	23.2	2.6	532	27	23.7	2.9	720	26	22.9	2.5
Bio, Chem, Phys	549	11	24.3	3.7	188	10	25.1	4.3	332	12	23.8	3.4
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	984	19	20.6	0.0	316	16	20.8	0.0	602	22	20.5	0.1
Other comb of 3 years of Natural Science	75	1	21.3	0.7	42	2	21.3	0.5	29	1	20.8	0.4
Less than 3 years of Natural Science	511	10	20.6	-	178	9	20.8	-	296	11	20.4	-
No Nat Sci course/grade information reported	1,643	32	22.1	-	703	36	22.1	-	783	28	22.1	-

<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	519	10	23.2	87	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	2,557	50	23.0	85	668,226	55	20.4	67
Less than 4 years of English	504	10	22.3	79	115,551	10	19.4	62
No English course/grade information reported	1,513	30	22.9	84	150,124	12	20.3	67
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	310	6	27.0	90	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	341	7	23.6	70	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	325	6	21.4	49	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	678	13	21.8	53	153,394	13	20.3	37
Other comb of 4 or more years of Math	856	17	25.9	82	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	429	8	18.6	21	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	209	4	22.8	60	54,965	5	20.6	40
Less than 3 years of Math	357	7	21.0	44	131,567	11	17.9	18
No Math course/grade information reported	1,588	31	23.1	62	158,635	13	20.8	42
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	423	8	24.9	76	31,335	3	22.7	60
Other comb of 4 or more years Social Science	862	17	24.0	72	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	471	9	22.8	62	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	928	18	23.3	67	325,879	27	21.3	52
Less than 3 years of Social Science	802	16	23.4	68	179,270	15	20.5	46
No Soc Sci course/grade information reported	1,607	32	23.5	68	158,406	13	21.2	52
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	1,331	26	23.2	45	320,821	27	22.3	38
Bio, Chem, Phys	549	11	24.3	56	115,519	10	23.2	45
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	984	19	20.6	22	339,689	28	20.2	19
Other comb of 3 years of Natural Science	75	1	21.3	28	32,330	3	20.5	24
Less than 3 years of Natural Science	511	10	20.6	26	234,307	19	19.1	14
No Nat Sci course/grade information reported	1,643	32	22.1	37	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	17	0	21.9	0	0	.	17	1	21.9
Architecture & Environmental Design	36	1	21.8	0	0	.	36	1	21.8
Business & Management	310	6	22.3	1	5	17.0	303	9	22.3
Business & Office	16	0	21.3	0	0	.	13	0	21.8
Marketing & Distribution	24	0	20.6	1	5	15.0	22	1	20.8
Communications & Comm. Technologies	115	2	22.4	0	0	.	111	3	22.4
Community & Personal Services	52	1	18.4	1	5	11.0	49	1	18.6
Computer & Information Sciences	43	1	24.1	1	5	14.0	38	1	24.8
Cross-Disciplinary Studies	12	0	24.3	0	0	.	12	0	24.3
Education	146	3	21.1	0	0	.	142	4	21.1
Teacher Education	62	1	20.5	0	0	.	60	2	20.4
Engineering	86	2	24.8	1	5	20.0	82	2	24.9
Engineering-Related Technologies	55	1	23.4	0	0	.	51	2	23.5
Foreign Languages	36	1	25.7	0	0	.	30	1	25.8
Health Sciences & Allied Health Fields	343	7	21.8	3	14	20.3	324	10	21.9
Human, Family & Consumer Science	19	0	19.1	0	0	.	15	0	20.3
Letters	17	0	26.2	0	0	.	17	1	26.2
Mathematics	25	0	24.7	0	0	.	25	1	24.7
Philosophy, Religion & Theology	7	0	23.4	0	0	.	7	0	23.4
Sciences (Biological & Physical)	205	4	25.4	0	0	.	198	6	25.5
Social Sciences	265	5	23.9	0	0	.	249	7	23.8
Trade & Industrial	5	0	19.0	1	5	16.0	4	0	19.8
Visual & Performing Arts	161	3	22.5	4	18	16.5	152	5	22.6
Undecided	344	7	23.6	2	9	19.5	309	9	23.4
No Response	2,692	53	23.2	7	32	18.6	1,077	32	22.9

<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	3	19.3	0	.	0	.	3	19.3	0	.	0	.	0	.
2-yr College Degree	19	17.4	2	13.5	0	.	13	18.6	1	12.0	0	.	3	16.7
Bachelors Degree	1,082	21.1	53	16.4	3	21.7	771	21.4	34	18.4	23	21.7	198	21.3
Graduate Study	1,228	23.4	71	18.7	5	23.0	850	23.8	42	21.5	27	22.7	233	23.7
Prof. Level Degree	1,033	24.2	81	21.0	4	19.0	618	24.9	47	22.0	55	25.0	228	24.0
Other	45	20.1	7	16.3	1	22.0	18	23.2	0	.	2	20.0	17	18.2
No Response	1,683	23.5	64	19.2	5	20.8	940	23.7	34	22.1	37	24.4	603	23.7

**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	650	256	394	1	5	19	32	28	14	1
CENTRAL CONNECTICUT STATE UNIVERSITY	Connecticut	191	58	133	3	12	35	37	9	4	1
BOSTON UNIVERSITY	Massachusetts	170	56	114	0	1	6	22	44	27	1
EASTERN CONNECTICUT STATE UNIVERSITY	Connecticut	162	43	119	2	12	42	34	6	2	1
SOUTHERN CONNECTICUT STATE UNIVERSITY	Connecticut	161	28	133	6	14	48	22	7	2	0
NORTHEASTERN UNIVERSITY	Massachusetts	160	38	122	0	4	8	25	43	19	1
BOSTON COLLEGE	Massachusetts	158	51	107	0	1	4	13	46	35	2
QUINNIPIAC UNIVERSITY	Connecticut	151	48	103	3	3	19	43	22	9	1
UNIVERSITY OF RHODE ISLAND	Rhode Island	117	23	94	1	6	25	35	23	10	0
WESTERN CONNECTICUT STATE UNIVERSITY	Connecticut	97	19	78	6	8	51	26	7	2	0
BROWN UNIVERSITY	Rhode Island	92	31	61	0	0	5	13	30	45	7
SACRED HEART UNIVERSITY	Connecticut	92	31	61	1	8	34	42	11	3	1
UNIVERSITY OF HARTFORD	Connecticut	88	18	70	1	11	34	30	16	8	0
NEW YORK UNIVERSITY	New York	82	22	60	0	1	9	22	37	32	0
YALE UNIVERSITY	Connecticut	81	34	47	0	1	11	12	32	36	7
NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE	Iowa	80	45	35	3	8	19	21	38	11	1
PROVIDENCE COLLEGE	Rhode Island	75	12	63	0	1	3	23	47	23	4
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	71	5	66	1	1	14	42	28	13	0
FORDHAM UNIVERSITY	New York	70	16	54	0	1	4	39	36	20	0
FAIRFIELD UNIVERSITY	Connecticut	66	15	51	0	0	14	33	38	14	2
CONNECTICUT COLLEGE	Connecticut	65	31	34	2	6	5	23	37	23	5
SALVE REGINA UNIVERSITY	Rhode Island	65	18	47	0	8	14	52	12	14	0
VILLANOVA UNIVERSITY	Pennsylvania	65	13	52	0	0	3	6	52	37	2
TUFTS UNIVERSITY	Massachusetts	63	15	48	0	0	0	13	40	44	3
UNIVERSITY OF VERMONT	Vermont	61	12	49	0	3	11	31	34	18	2
MARIST COLLEGE	New York	58	14	44	0	5	10	33	38	14	0
ROGER WILLIAMS UNIVERSITY	Rhode Island	57	9	48	0	7	28	44	18	4	0
TRINITY COLLEGE	Connecticut	55	12	43	2	4	18	18	35	20	4
SYRACUSE UNIVERSITY	New York	54	6	48	0	0	11	19	41	28	2
UNIVERSITY OF NEW HAVEN	Connecticut	51	19	32	6	8	27	37	20	2	0
All Other Institutions		4,283	1,047	3,236	2	6	17	29	28	17	1
<b>Total</b>		<b>7,691</b>	<b>2,045</b>	<b>5,646</b>	<b>2</b>	<b>6</b>	<b>18</b>	<b>29</b>	<b>28</b>	<b>17</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>3,585</b>	<b>430,404</b>	<b>23.8</b>	<b>22.4</b>	<b>8.8</b>	<b>7.7</b>	<b>24.1</b>	<b>22.0</b>
African Am./Black	151	38,583	20.5	17.5	8.2	6.8	21.2	17.6
Am. Indian/Alaskan Native	10	2,803	21.9	19.8	7.7	7.1	21.7	19.6
Caucasian Am./White	2,275	269,428	24.0	23.4	8.9	7.8	24.3	22.8
Hispanic	109	33,207	22.8	18.9	8.6	7.4	23.2	19.1
Asian Am./Pacific Islander	117	21,275	24.3	23.0	8.8	8.0	24.4	22.8
Other/No Response	923	65,108	24.0	22.8	8.8	7.9	24.1	22.5
Males	1,305	170,904	23.1	22.1	8.6	7.4	23.4	21.5
Females	2,015	240,056	24.4	22.6	9.0	7.9	24.7	22.3
Missing	265	19,444	23.2	22.1	8.9	7.8	23.7	21.9



