

# ACT High School Profile Report

The Graduating Class of 2006  
New York





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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

31% 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.** 29,967 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. 50% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

**MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES.** Table 3.2 reports 12% of the cohort took less than three years of math courses. Of these students, 39% were college ready. 4% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 23% of these students were college ready. In comparison, 66% of the students who advanced beyond minimum core were college ready. Getting more students ready for Algebra prior to 9th grade will increase the chances that students will be prepared for and take advanced-level math courses.

Similarly, Table 3.2 reports 10% of the cohort took less than three years of natural science courses. 17% 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 2.4 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).

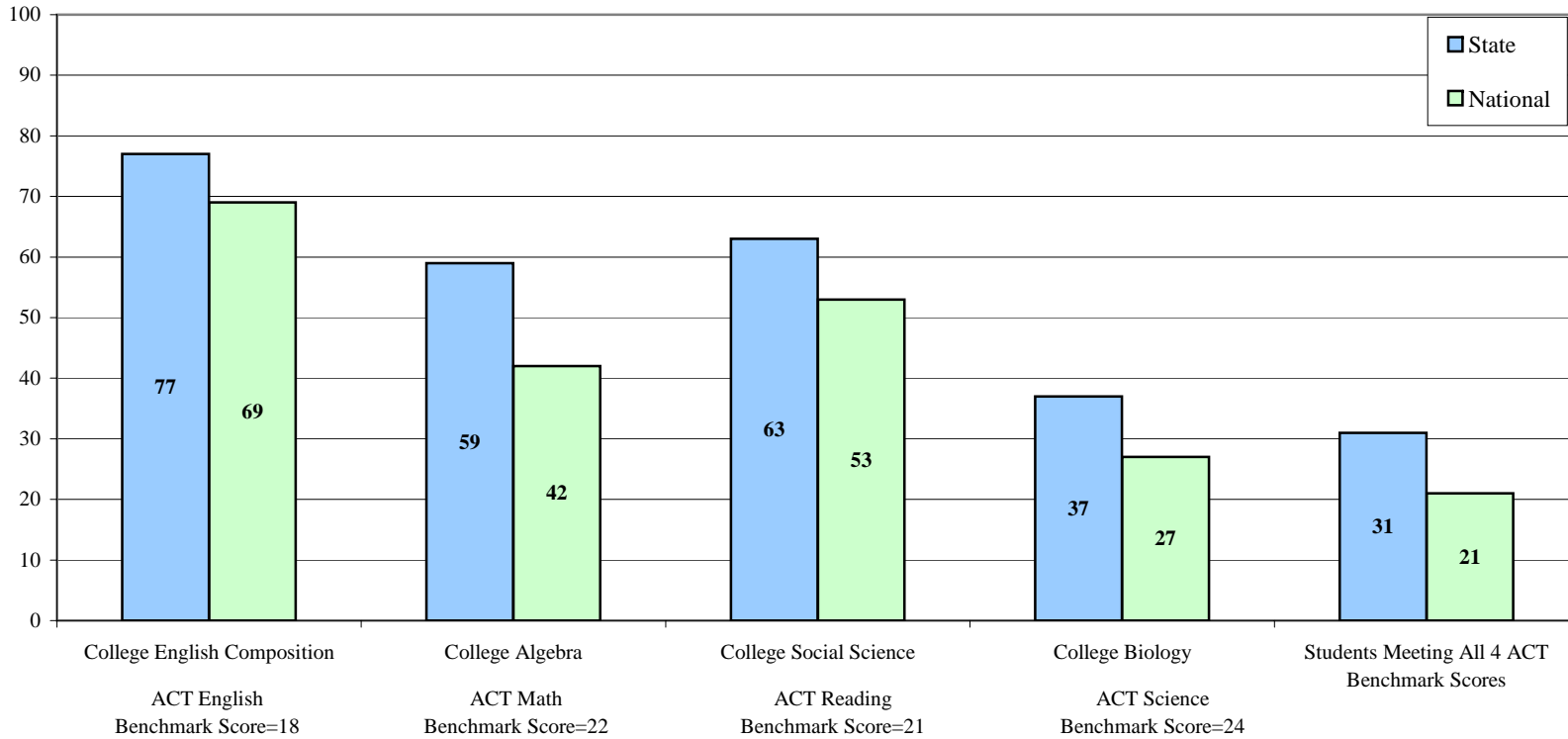
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic 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 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	23,894	1,116,082	74	67	56	39	63	53	37	26	30	20
2003	26,376	1,175,059	75	67	56	40	63	52	36	26	30	20
2004	27,302	1,171,460	75	68	54	40	63	52	39	26	31	21
2005	29,279	1,186,251	74	68	55	41	64	51	38	26	31	21
<b>2006</b>	<b>29,967</b>	<b>1,206,455</b>	<b>77</b>	<b>69</b>	<b>59</b>	<b>42</b>	<b>63</b>	<b>53</b>	<b>37</b>	<b>27</b>	<b>31</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	23,894	1,116,082	21.1	20.2	22.5	20.6	22.6	21.1	22.3	20.8	22.2	20.8
2003	26,376	1,175,059	21.2	20.3	22.5	20.6	22.8	21.2	22.2	20.8	22.3	20.8
2004	27,302	1,171,460	21.3	20.4	22.4	20.7	22.8	21.3	22.3	20.9	22.3	20.9
2005	29,279	1,186,251	21.3	20.4	22.5	20.7	23.0	21.3	22.3	20.9	22.4	20.9
<b>2006</b>	<b>29,967</b>	<b>1,206,455</b>	<b>21.8</b>	<b>20.6</b>	<b>22.9</b>	<b>20.8</b>	<b>22.9</b>	<b>21.4</b>	<b>22.3</b>	<b>20.9</b>	<b>22.6</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	14,043	6,946	59	29	22.2	19.0	23.6	20.2	23.6	20.6	23.3	20.6	23.3	20.2
2003	14,810	7,787	56	30	22.3	19.3	23.6	20.5	23.9	20.9	23.1	20.7	23.3	20.5
2004	14,800	8,272	54	30	22.4	19.7	23.4	20.7	23.8	21.3	23.2	21.0	23.3	20.8
2005	15,504	8,956	53	31	22.3	19.8	23.4	20.9	24.0	21.6	23.1	21.2	23.3	21.0
<b>2006</b>	<b>14,869</b>	<b>9,420</b>	<b>50</b>	<b>31</b>	<b>22.7</b>	<b>20.3</b>	<b>23.9</b>	<b>21.4</b>	<b>23.8</b>	<b>21.5</b>	<b>23.0</b>	<b>21.2</b>	<b>23.5</b>	<b>21.2</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>23,894</b>	<b>100</b>	<b>22.2</b>	<b>26,376</b>	<b>100</b>	<b>22.3</b>	<b>27,302</b>	<b>100</b>	<b>22.3</b>	<b>29,279</b>	<b>100</b>	<b>22.4</b>	<b>29,967</b>	<b>100</b>	<b>22.6</b>
African American/Black	1,447	6	18.2	1,746	7	18.0	1,913	7	18.3	2,079	7	18.1	1,942	6	18.3
American Indian/Alaskan Native	86	0	20.5	77	0	20.5	90	0	20.8	113	0	20.7	104	0	20.4
Caucasian American/White	17,449	73	22.6	18,883	72	22.8	18,922	69	22.8	20,043	68	22.9	18,952	63	22.9
Hispanic	915	4	20.0	1,090	4	20.0	1,257	5	19.7	1,385	5	19.9	1,278	4	20.3
Asian American/Pacific Islander	957	4	23.7	1,043	4	23.8	1,012	4	23.7	1,061	4	24.0	1,156	4	24.5
Other/No Response	3,040	13	22.0	3,537	13	22.3	4,108	15	22.6	4,598	16	22.8	6,535	22	23.0

# 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	37	100	86	100	239	100	84	100	8	100	36
35	284	100	245	100	477	99	173	100	62	100	35
34	389	99	491	99	758	98	117	99	157	100	34
33	382	98	358	97	702	95	241	99	265	99	33
32	397	96	354	96	504	93	430	98	374	98	32
31	483	95	516	95	921	91	308	97	585	97	31
30	787	93	975	93	965	88	219	95	835	95	30
29	1,042	91	1,217	90	1,198	85	667	95	1,089	92	29
28	1,272	87	1,287	86	1,155	81	879	93	1,322	89	28
27	933	83	1,983	82	1,766	77	1,060	90	1,586	84	27
26	1,477	80	2,193	75	1,489	71	2,458	86	1,956	79	26
25	2,069	75	2,482	68	1,695	66	1,924	78	2,175	73	25
24	1,706	68	2,151	59	1,757	60	2,591	71	2,266	65	24
23	1,613	62	1,866	52	1,874	55	2,845	63	2,380	58	23
22	2,274	57	1,529	46	1,785	48	2,793	53	2,358	50	22
21	2,146	49	1,777	41	1,676	42	2,741	44	2,369	42	21
20	2,324	42	1,717	35	1,569	37	2,902	35	2,059	34	20
19	1,801	35	1,547	29	1,957	31	2,386	25	1,940	27	19
18	1,694	29	1,684	24	1,115	25	1,620	17	1,729	21	18
17	1,339	23	2,141	18	1,515	21	1,002	12	1,386	15	17
16	1,336	18	1,634	11	1,231	16	827	8	1,137	10	16
15	1,261	14	952	6	879	12	569	6	795	6	15
14	961	10	490	3	1,089	9	352	4	552	4	14
13	510	7	168	1	601	6	278	3	314	2	13
12	381	5	87	1	583	4	188	2	158	1	12
11	358	4	23	1	296	2	132	1	73	1	11
10	289	2	8	1	88	1	87	1	24	1	10
9	201	1	3	1	36	1	55	1	6	1	9
8	130	1	2	1	18	1	18	1	6	1	8
7	53	1	0	1	16	1	8	1	1	1	7
6	24	1	1	1	6	1	8	1	0	1	6
5	11	1	0	1	3	1	4	1	0	1	5
4	3	1	0	1	3	1	0	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	1
Average	21.8		22.9		22.9		22.3		22.6		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	1,033	100	229	100	727	100	1,182	100	1,716	100	364	100	461	100	18
17	1,308	97	732	99	2,091	98	2,105	96	1,698	94	743	99	623	98	17
16	1,293	92	1,379	97	1,664	91	2,505	89	2,883	89	627	96	1,086	96	16
15	2,050	88	2,446	92	2,369	85	2,787	81	2,483	79	1,823	94	2,432	93	15
14	2,568	81	2,906	84	1,929	77	2,734	71	2,668	71	3,711	88	3,463	85	14
13	1,661	72	3,025	74	2,752	71	2,653	62	3,982	62	2,319	76	4,247	73	13
12	2,801	67	3,119	64	2,951	62	2,975	53	3,463	49	4,781	68	3,729	59	12
11	2,853	58	4,255	54	3,174	52	2,241	43	2,037	37	3,406	52	2,975	46	11
10	3,762	48	3,281	40	2,419	41	2,818	36	2,467	30	4,357	41	4,815	37	10
9	2,759	35	3,560	29	2,991	33	2,247	27	1,881	22	4,077	26	1,959	20	9
8	2,256	26	2,049	17	2,970	23	1,615	19	2,447	16	1,640	13	1,569	14	8
7	2,191	19	1,315	10	1,471	13	1,425	14	1,485	7	233	7	1,226	9	7
6	1,482	11	767	6	1,246	8	1,524	9	505	3	993	6	733	5	6
5	907	7	567	3	584	4	694	4	154	1	541	3	46	2	5
4	703	3	216	1	302	2	322	2	61	1	68	1	404	2	4
3	218	1	98	1	212	1	99	1	26	1	231	1	19	1	3
2	110	1	23	1	81	1	39	1	11	1	3	1	152	1	2
1	12	1	0	1	34	1	2	1	0	1	50	1	28	1	1
Average	10.9		11.3		11.4		11.9		12.4		11.3		11.6		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	29,967	50	23.5	21.2
	African Am./Black	1,942	44	19.5	17.4
	Am. Indian/Alaskan Native	104	52	22.3	18.5
	Caucasian Am./White	18,952	53	23.8	21.7
	Hispanic	1,278	50	21.1	19.3
	Asian Am./Pacific Islander	1,156	59	25.1	23.0
	Other/No Response	6,535	40	23.7	21.7
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	1,092	4	1,180	4	2,176	7	615	2
	28 to 32	3,981	13	4,349	15	4,743	16	2,503	8
	24 to 27	6,185	21	8,809	29	6,707	22	8,033	27
	20 to 23	8,357	28	6,889	23	6,904	23	11,281	38
	16 to 19	6,170	21	7,006	23	5,818	19	5,835	19
	13 to 15	2,732	9	1,610	5	2,569	9	1,199	4
	01 to 12	1,450	5	124	0	1,050	4	501	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	11,500	38	21.2	23.8	22.5	23.0	22.7
	Females	16,637	56	22.1	22.4	23.2	21.8	22.5
	Missing	1,830	6	21.7	23.0	22.9	21.9	22.5
National	Males	517,563	43	20.1	21.5	21.1	21.4	21.2
	Females	646,688	54	21.0	20.3	21.6	20.5	21.0
	Missing	42,204	3	20.6	21.1	21.6	20.8	21.1

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Math	Reading	Science	
State	Males	74	65	61	45	37
	Females	79	55	65	32	27
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

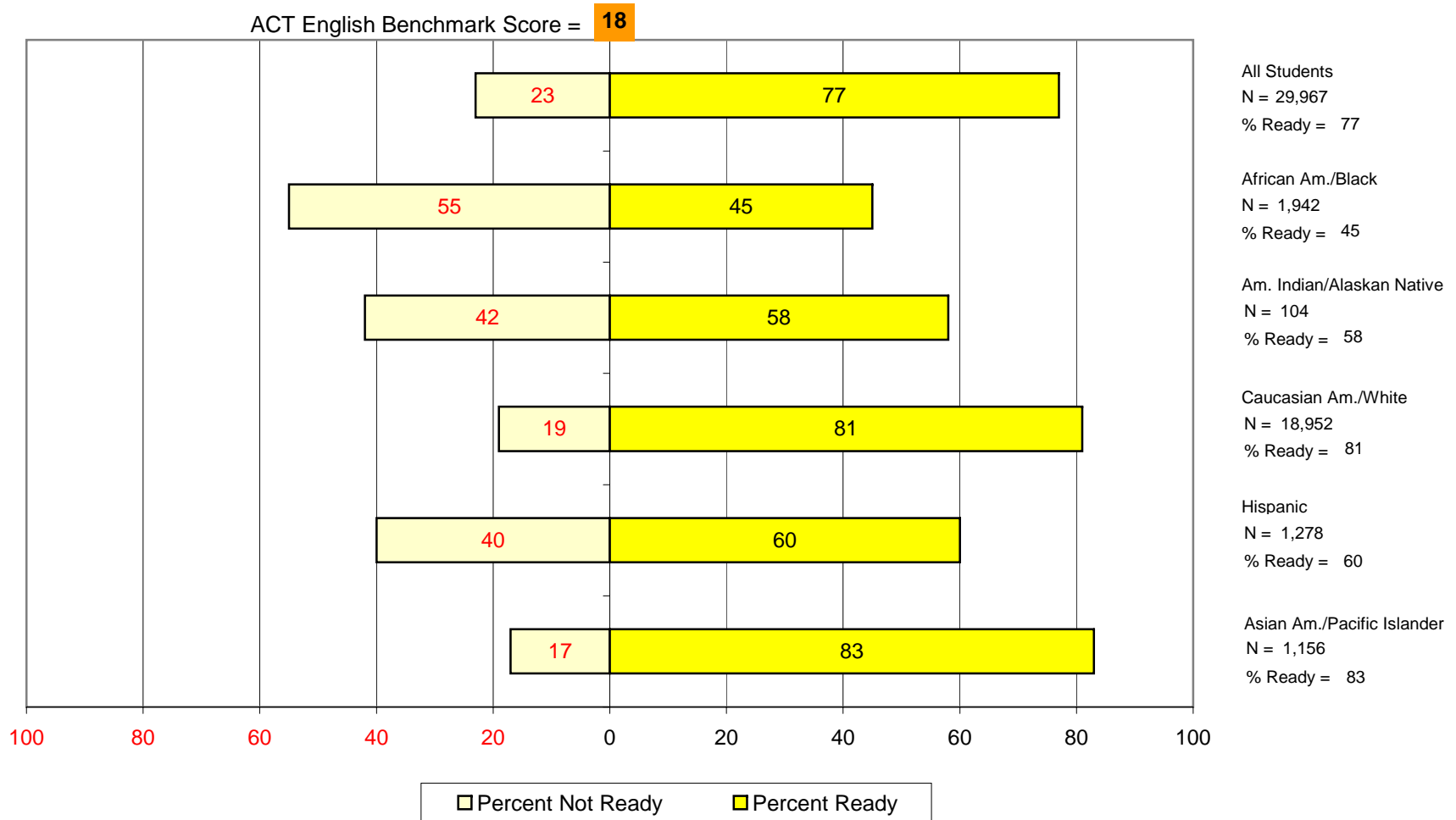
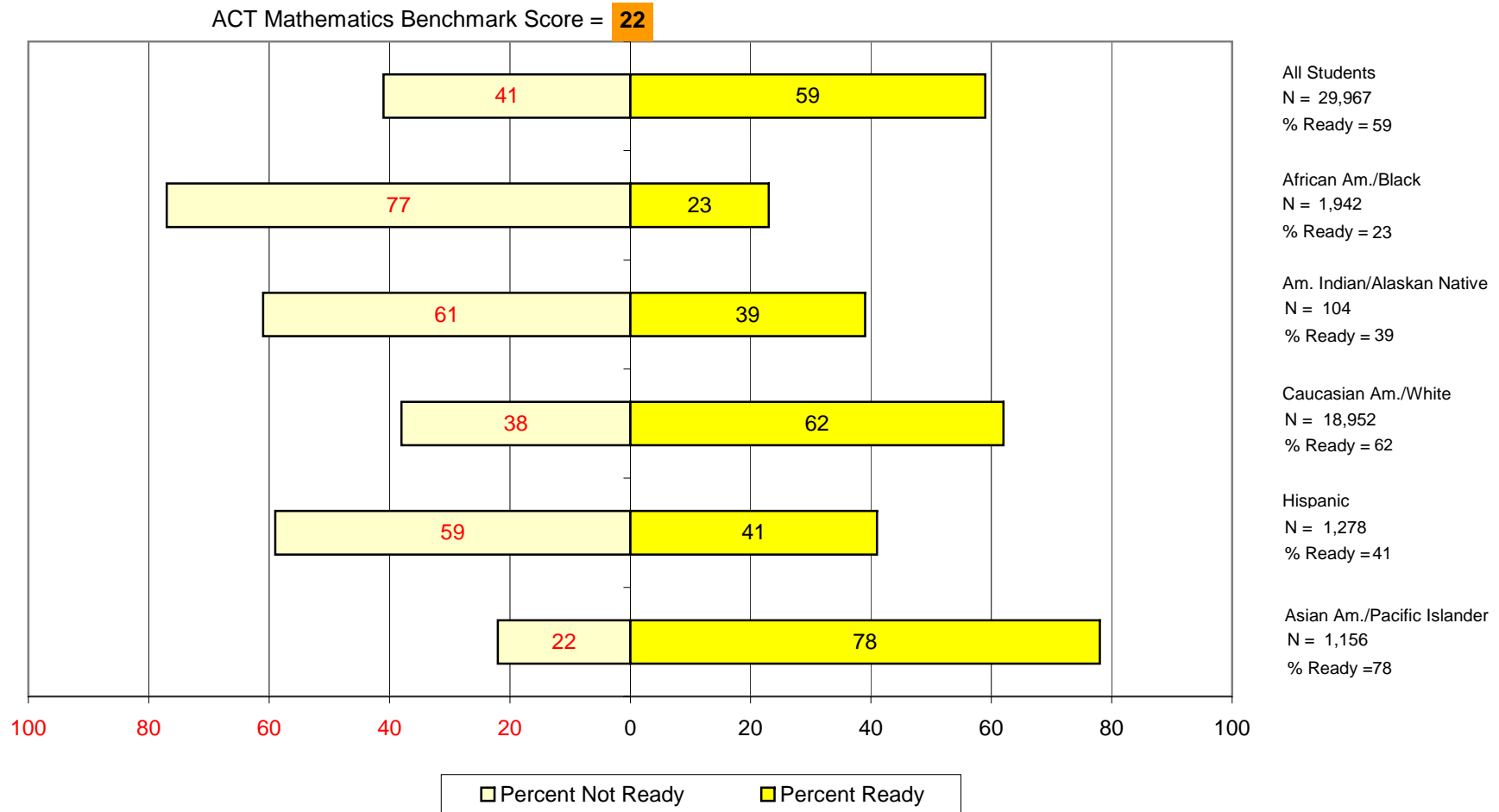


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS



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

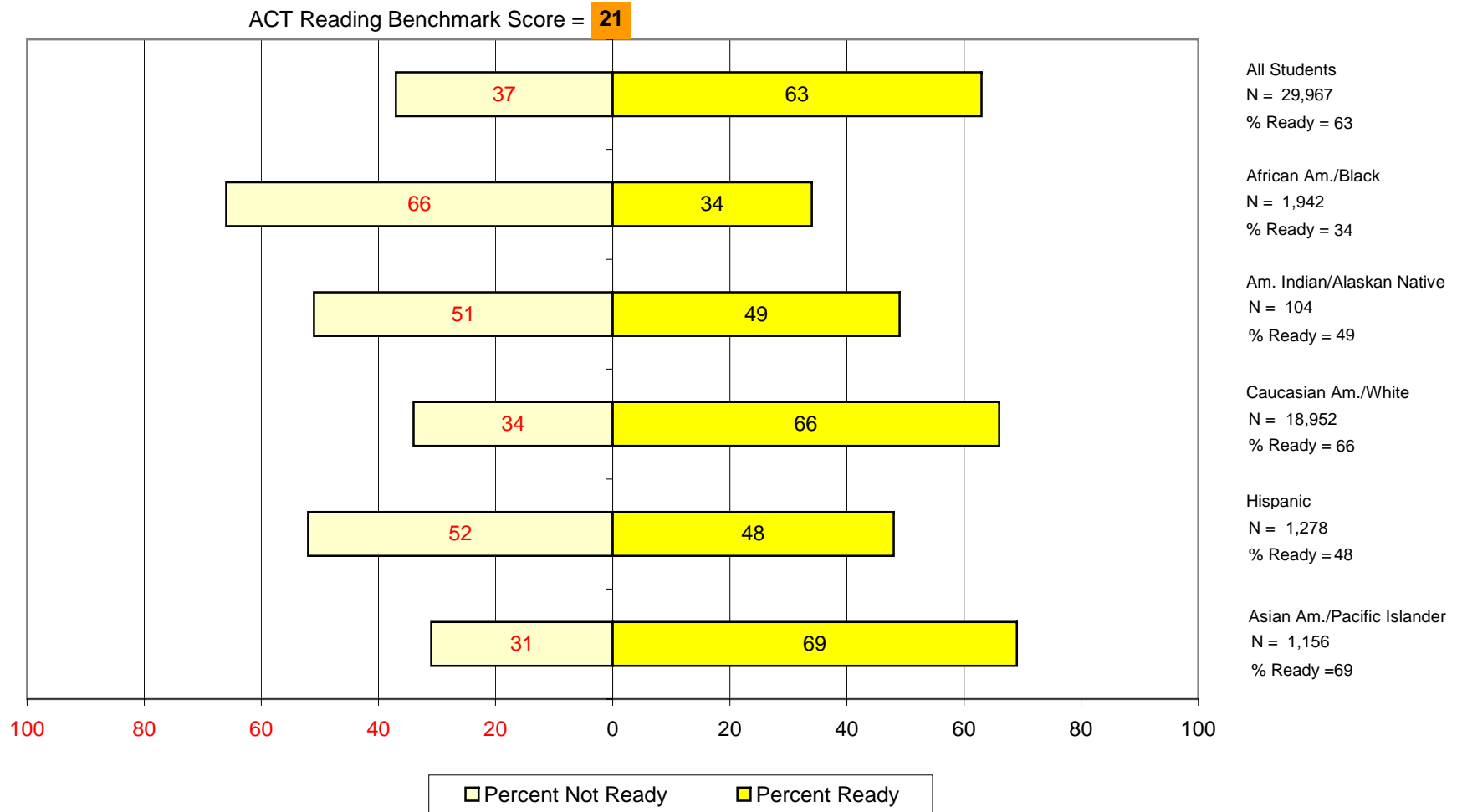


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

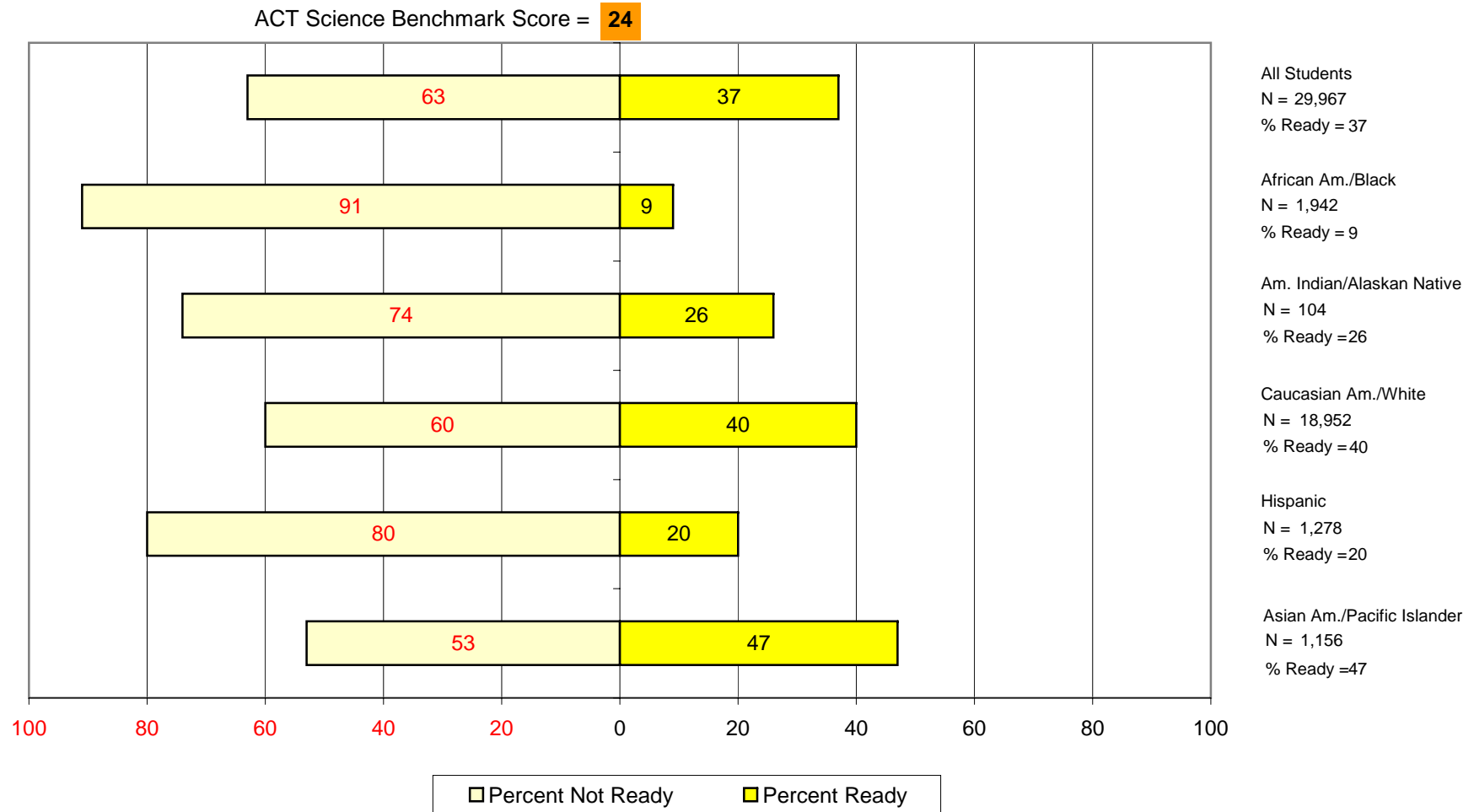
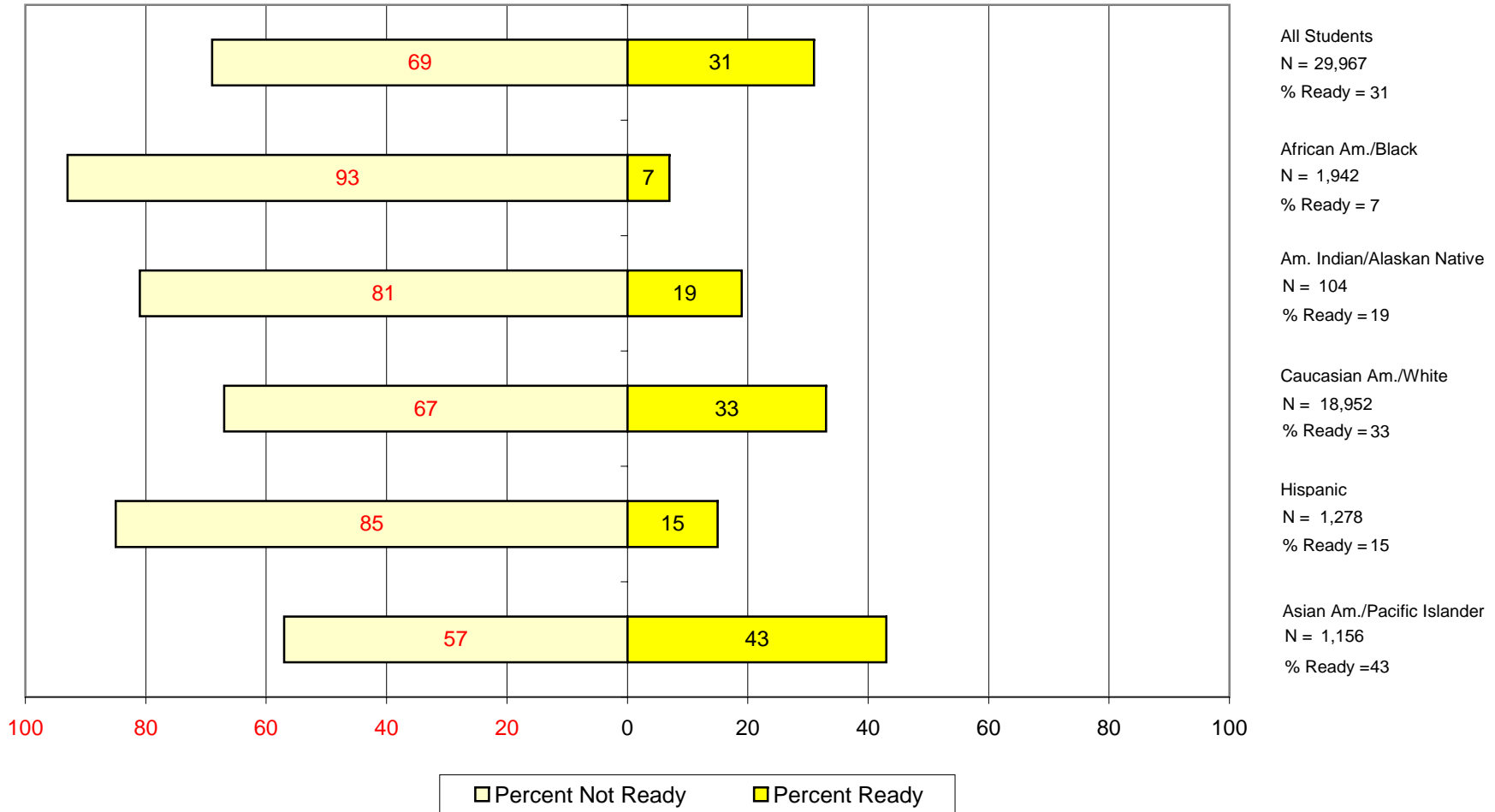


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**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	3,267	11	22.3	1.3	1,018	9	21.9	1.6	2,032	12	22.5	0.9
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	17,535	59	21.8	0.8	6,627	58	21.4	1.1	10,091	61	22.1	0.5
Less than 4 years of English	3,309	11	21.0	-	1,359	12	20.3	-	1,756	11	21.6	-
No English course/grade information reported	5,856	20	21.8	-	2,496	22	21.0	-	2,758	17	22.4	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	3,231	11	25.6	5.0	1,227	11	26.4	5.2	1,846	11	25.1	5.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,261	11	22.8	2.2	979	9	23.7	2.5	2,115	13	22.4	2.3
Alg 1, Alg 2, Geom, & Trig	4,177	14	21.2	0.6	1,464	13	21.9	0.7	2,498	15	20.8	0.7
Alg 1, Alg 2, Geom, & Other Adv Math	634	2	21.0	0.4	207	2	22.0	0.8	394	2	20.3	0.2
Other comb of 4 or more years of Math	5,809	19	25.6	5.0	2,471	21	26.6	5.4	3,088	19	24.8	4.7
Alg 1, Alg 2, & Geom (Min. Core)	1,156	4	18.7	-1.9	410	4	19.3	-1.9	704	4	18.4	-1.7
Other comb of 3 or 3.5 years of Math	1,110	4	23.1	2.5	468	4	23.6	2.4	586	4	22.7	2.6
Less than 3 years of Math	3,738	12	20.6	-	1,403	12	21.2	-	2,113	13	20.1	-
No Math course/grade information reported	6,851	23	22.7	-	2,871	25	23.2	-	3,293	20	22.2	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	561	2	23.3	1.2	266	2	22.1	0.5	277	2	24.2	1.8
Other comb of 4 or more years Social Science	10,579	35	23.2	1.1	3,557	31	22.9	1.3	6,493	39	23.4	1.0
US Hist, World Hist, & Am Gov (Min. Core)	725	2	22.5	0.4	337	3	22.1	0.5	365	2	22.9	0.5
Other comb of 3 or 3.5 years of Social Science	6,905	23	23.0	0.9	2,631	23	22.9	1.3	3,939	24	23.1	0.7
Less than 3 years of Social Science	4,885	16	22.1	-	2,017	18	21.6	-	2,584	16	22.4	-
No Soc Sci course/grade information reported	6,312	21	22.8	-	2,692	23	22.3	-	2,979	18	23.2	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	10,987	37	23.7	3.9	4,622	40	24.6	4.3	5,866	35	23.1	3.7
Bio, Chem, Phys	1,502	5	23.5	3.7	548	5	24.3	4.0	885	5	23.0	3.6
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	7,278	24	21.1	1.3	2,218	19	21.5	1.2	4,674	28	20.9	1.5
Other comb of 3 years of Natural Science	530	2	21.1	1.3	232	2	21.8	1.5	271	2	20.5	1.1
Less than 3 years of Natural Science	3,090	10	19.8	-	1,086	9	20.3	-	1,824	11	19.4	-
No Nat Sci course/grade information reported	6,580	22	22.1	-	2,794	24	22.6	-	3,117	19	21.6	-

<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	3,267	11	22.3	80	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	17,535	59	21.8	77	668,226	55	20.4	67
Less than 4 years of English	3,309	11	21.0	74	115,551	10	19.4	62
No English course/grade information reported	5,856	20	21.8	77	150,124	12	20.3	67
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	3,231	11	25.6	81	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,261	11	22.8	63	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	4,177	14	21.2	46	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	634	2	21.0	43	153,394	13	20.3	37
Other comb of 4 or more years of Math	5,809	19	25.6	78	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	1,156	4	18.7	23	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	1,110	4	23.1	62	54,965	5	20.6	40
Less than 3 years of Math	3,738	12	20.6	39	131,567	11	17.9	18
No Math course/grade information reported	6,851	23	22.7	57	158,635	13	20.8	42
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	561	2	23.3	64	31,335	3	22.7	60
Other comb of 4 or more years Social Science	10,579	35	23.2	66	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	725	2	22.5	60	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	6,905	23	23.0	64	325,879	27	21.3	52
Less than 3 years of Social Science	4,885	16	22.1	58	179,270	15	20.5	46
No Soc Sci course/grade information reported	6,312	21	22.8	63	158,406	13	21.2	52
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	10,987	37	23.7	51	320,821	27	22.3	38
Bio, Chem, Phys	1,502	5	23.5	48	115,519	10	23.2	45
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	7,278	24	21.1	25	339,689	28	20.2	19
Other comb of 3 years of Natural Science	530	2	21.1	28	32,330	3	20.5	24
Less than 3 years of Natural Science	3,090	10	19.8	17	234,307	19	19.1	14
No Nat Sci course/grade information reported	6,580	22	22.1	36	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	195	1	20.4	33	7	18.5	151	1	20.9
Architecture & Environmental Design	364	1	22.5	13	3	18.8	332	2	22.8
Business & Management	1,905	6	21.8	30	6	17.3	1,789	8	21.8
Business & Office	71	0	20.7	6	1	16.5	59	0	20.9
Marketing & Distribution	182	1	21.2	5	1	16.2	170	1	21.4
Communications & Comm. Technologies	773	3	22.2	14	3	18.1	718	3	22.3
Community & Personal Services	448	1	19.6	32	7	18.2	394	2	19.8
Computer & Information Sciences	350	1	22.4	16	3	19.0	316	1	22.7
Cross-Disciplinary Studies	55	0	23.1	2	0	17.5	51	0	23.4
Education	1,343	4	21.4	9	2	17.7	1,280	6	21.5
Teacher Education	863	3	21.1	8	2	17.0	827	4	21.1
Engineering	709	2	24.1	13	3	16.6	665	3	24.3
Engineering-Related Technologies	505	2	23.6	12	3	19.4	473	2	23.7
Foreign Languages	154	1	25.0	1	0	21.0	145	1	24.8
Health Sciences & Allied Health Fields	2,788	9	22.2	57	12	17.6	2,630	12	22.4
Human, Family & Consumer Science	152	1	19.7	12	3	18.8	130	1	20.0
Letters	151	1	25.5	2	0	18.0	143	1	25.6
Mathematics	157	1	25.4	3	1	18.3	147	1	25.4
Philosophy, Religion & Theology	67	0	23.2	3	1	18.7	63	0	23.3
Sciences (Biological & Physical)	1,643	5	24.3	5	1	18.6	1,568	7	24.4
Social Sciences	1,867	6	23.1	9	2	19.4	1,793	8	23.1
Trade & Industrial	126	0	18.9	50	10	17.9	70	0	19.2
Visual & Performing Arts	1,134	4	22.2	21	4	16.9	1,034	5	22.4
Undecided	2,118	7	22.8	49	10	17.4	1,880	9	23.0
No Response	11,847	40	22.8	73	15	17.9	5,206	24	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	60	18.5	7	15.7	1	21.0	42	19.0	4	16.0	0	.	6	19.3
2-yr College Degree	418	17.8	20	15.0	3	17.3	308	18.2	23	16.2	6	20.0	58	16.9
Bachelors Degree	6,571	20.9	365	16.5	26	20.0	4,708	21.4	249	18.4	148	21.3	1,075	20.9
Graduate Study	7,450	23.1	389	18.7	26	21.3	5,295	23.4	290	21.4	213	24.0	1,237	23.3
Prof. Level Degree	8,013	23.7	734	19.6	31	20.9	4,624	24.4	455	21.1	553	25.5	1,616	23.9
Other	462	20.1	39	16.7	5	19.6	262	20.8	20	18.0	15	19.2	121	20.0
No Response	6,993	22.8	388	17.5	12	19.3	3,713	23.1	237	19.8	221	25.0	2,422	23.4

**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 AT BUFFALO/SUNY	New York	1,353	425	928	1	4	23	34	26	12	1
BINGHAMTON UNIVERSITY/SUNY	New York	1,096	308	788	0	4	16	29	34	15	1
STATE UNIV OF NY COLL AT GENESEO	New York	1,068	322	746	0	1	9	28	40	21	1
SYRACUSE UNIVERSITY	New York	1,040	263	777	0	4	17	30	32	15	1
STATE UNIV OF NY COLL AT BUFFALO	New York	1,036	251	785	1	5	25	38	23	7	1
CORNELL UNIVERSITY	New York	970	318	652	0	2	8	19	35	30	6
NEW YORK UNIVERSITY	New York	953	306	647	1	5	15	26	30	22	2
STATE UNIV OF NY COLL AT BROCKPORT	New York	953	273	680	1	5	27	42	21	5	0
STONY BROOK UNIVERSITY/SUNY	New York	935	271	664	1	8	24	33	24	9	1
STATE UNIV OF NY COLL AT CORTLAND	New York	899	235	664	1	5	29	43	20	3	0
UNIVERSITY AT ALBANY/SUNY	New York	864	203	661	1	6	22	37	26	8	0
STATE UNIV OF NY COLL AT OSWEGO	New York	793	199	594	1	5	27	40	21	7	0
ROCHESTER INST OF TECHNOLOGY	New York	742	260	482	0	2	10	28	36	23	2
CITY UNIVERSITY OF NEW YORK	New York	728	368	360	5	20	33	23	12	6	1
STATE UNIV OF NY COLL AT FREDONIA	New York	725	172	553	0	4	23	43	23	7	0
STATE UNIV OF NY COLL AT ONEONTA	New York	700	172	528	1	5	25	42	24	4	0
ITHACA COLLEGE	New York	693	170	523	0	3	16	33	32	14	1
BOSTON UNIVERSITY	Massachusetts	554	166	388	0	2	8	21	38	27	3
CANISIUS COLLEGE	New York	543	195	348	1	2	20	37	29	11	0
HOFSTRA UNIVERSITY	New York	500	113	387	2	9	27	39	17	7	0
NIAGARA UNIVERSITY	New York	498	128	370	0	6	27	35	24	7	1
STATE UNIV OF NEW YORK AT NEW PALTZ	New York	497	118	379	1	7	19	41	27	6	0
UNIVERSITY OF ROCHESTER	New York	481	115	366	0	2	9	24	31	29	5
FORDHAM UNIVERSITY	New York	474	130	344	1	7	16	28	32	14	1
ST JOHN FISHER COLLEGE	New York	440	133	307	0	4	25	42	21	8	0
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	423	93	330	0	5	20	29	31	14	1
STATE UNIV OF NY AT POTSDAM	New York	423	130	293	0	3	22	43	22	9	0
CLARKSON UNIVERSITY	New York	407	146	261	0	2	11	29	40	18	1
LE MOYNE COLLEGE	New York	407	100	307	0	7	25	33	28	7	0
STATE UNIV OF NY COLL AT PLATTSBURGH	New York	407	119	288	0	7	30	40	19	3	0
All Other Institutions		32,146	8,836	23,310	1	7	23	29	25	13	2
<b>Total</b>		<b>53,748</b>	<b>15,038</b>	<b>38,710</b>	<b>1</b>	<b>6</b>	<b>22</b>	<b>31</b>	<b>26</b>	<b>13</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>16,056</b>	<b>430,404</b>	<b>23.0</b>	<b>22.4</b>	<b>8.2</b>	<b>7.7</b>	<b>22.9</b>	<b>22.0</b>
African Am./Black	953	38,583	18.1	17.5	7.4	6.8	18.6	17.6
Am. Indian/Alaskan Native	42	2,803	19.8	19.8	7.5	7.1	19.9	19.6
Caucasian Am./White	9,606	269,428	23.4	23.4	8.2	7.8	23.2	22.8
Hispanic	728	33,207	20.1	18.9	7.9	7.4	20.5	19.1
Asian Am./Pacific Islander	818	21,275	24.1	23.0	8.3	8.0	23.8	22.8
Other/No Response	3,909	65,108	23.5	22.8	8.3	7.9	23.3	22.5
Males	5,806	170,904	22.6	22.1	8.0	7.4	22.4	21.5
Females	9,167	240,056	23.2	22.6	8.3	7.9	23.2	22.3
Missing	1,083	19,444	23.0	22.1	8.3	7.8	22.9	21.9



