

# ACT High School Profile Report

The Graduating Class of 2007  
New York





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This report provides information about the performance of your 2007 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** - 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

35% of 2007 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.** 37,863 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. 47% 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, 41% were college ready. 4% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 29% of these students were college ready. In comparison, 68% 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. 22% of these students were college ready. In comparison, 46% 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 27% 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).

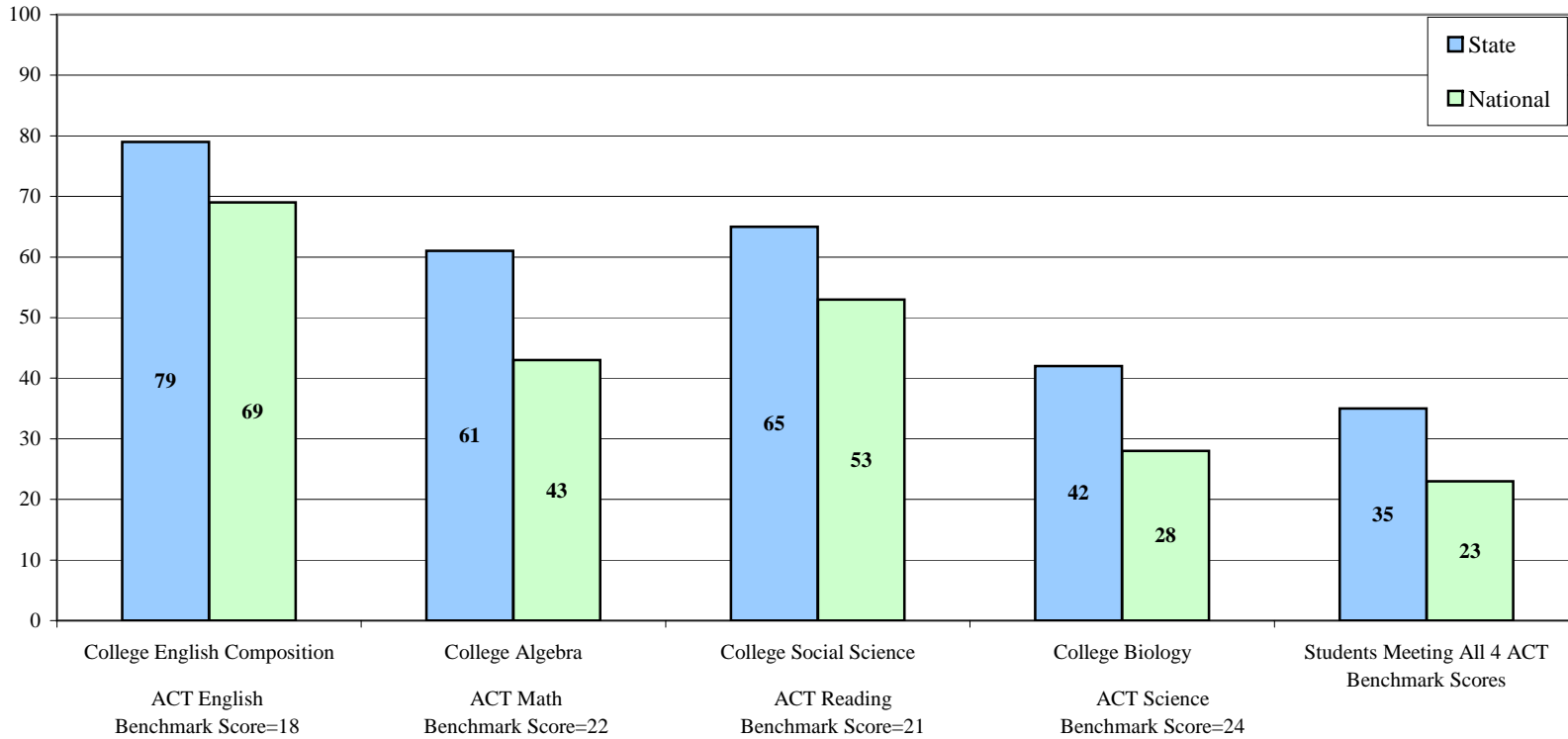
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic 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
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
2006	29,967	1,206,455	77	69	59	42	63	53	37	27	31	21
<b>2007</b>	<b>37,863</b>	<b>1,300,599</b>	<b>79</b>	<b>69</b>	<b>61</b>	<b>43</b>	<b>65</b>	<b>53</b>	<b>42</b>	<b>28</b>	<b>35</b>	<b>23</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
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
2006	29,967	1,206,455	21.8	20.6	22.9	20.8	22.9	21.4	22.3	20.9	22.6	21.1
<b>2007</b>	<b>37,863</b>	<b>1,300,599</b>	<b>22.0</b>	<b>20.7</b>	<b>23.1</b>	<b>21.0</b>	<b>23.1</b>	<b>21.5</b>	<b>22.7</b>	<b>21.0</b>	<b>22.9</b>	<b>21.2</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
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
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
<b>2007</b>	<b>1,300,599</b>	<b>20.7</b>	<b>21.0</b>	<b>21.5</b>	<b>21.0</b>	<b>21.2</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
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
2006	14,869	9,420	50	31	22.7	20.3	23.9	21.4	23.8	21.5	23.0	21.2	23.5	21.2
<b>2007</b>	<b>17,944</b>	<b>12,175</b>	<b>47</b>	<b>32</b>	<b>22.9</b>	<b>20.7</b>	<b>24.0</b>	<b>21.8</b>	<b>24.0</b>	<b>22.0</b>	<b>23.6</b>	<b>21.7</b>	<b>23.8</b>	<b>21.7</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**

	2003			2004			2005			2006			2007		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
<b>All Students</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>	<b>37,863</b>	<b>100</b>	<b>22.9</b>
African American/Black	1,746	7	18.0	1,913	7	18.3	2,079	7	18.1	1,942	6	18.3	2,440	6	18.4
American Indian/Alaska Native	77	0	20.5	90	0	20.8	113	0	20.7	104	0	20.4	108	0	21.7
Caucasian American/White	18,883	72	22.8	18,922	69	22.8	20,043	68	22.9	18,952	63	22.9	21,664	57	23.3
Hispanic	1,090	4	20.0	1,257	5	19.7	1,385	5	19.9	1,278	4	20.3	1,860	5	20.2
Asian American/Pacific Islander	1,043	4	23.8	1,012	4	23.7	1,061	4	24.0	1,156	4	24.5	1,452	4	24.7
Other/No Response	3,537	13	22.3	4,108	15	22.6	4,598	16	22.8	6,535	22	23.0	10,339	27	23.4

# 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	43	100	151	100	216	100	211	100	6	100	36
35	366	100	356	100	517	99	560	99	105	100	35
34	577	99	527	99	785	98	110	98	258	100	34
33	552	97	441	97	1,005	96	545	98	436	99	33
32	573	96	757	96	1,101	93	556	96	626	98	32
31	755	94	1,022	94	1,336	90	425	95	867	96	31
30	740	92	817	91	1,305	87	897	94	1,185	94	30
29	1,253	90	1,703	89	1,429	83	938	91	1,400	91	29
28	1,526	87	1,576	85	2,248	80	1,204	89	1,721	87	28
27	1,512	83	2,325	81	1,787	74	1,516	86	2,192	83	27
26	1,936	79	2,796	74	1,644	69	2,486	82	2,452	77	26
25	2,714	74	3,041	67	1,779	65	2,854	75	2,675	70	25
24	2,187	67	3,032	59	2,590	60	3,487	68	2,929	63	24
23	2,223	61	2,387	51	2,691	53	3,271	58	3,113	55	23
22	3,066	55	2,272	45	1,778	46	3,980	50	2,986	47	22
21	2,970	47	2,193	39	2,211	41	2,922	39	2,833	39	21
20	2,972	39	1,951	33	2,538	35	3,238	31	2,606	32	20
19	2,175	31	1,965	28	2,063	29	2,314	23	2,264	25	19
18	1,817	26	2,031	23	1,371	23	1,923	17	1,946	19	18
17	1,387	21	2,118	17	1,608	20	1,429	12	1,635	14	17
16	1,761	17	2,330	12	1,740	15	703	8	1,313	10	16
15	1,427	13	1,140	5	1,061	11	622	6	920	6	15
14	1,022	9	565	2	1,009	8	478	4	609	4	14
13	643	6	206	1	832	5	399	3	400	2	13
12	480	4	110	1	671	3	278	2	222	1	12
11	361	3	36	1	261	1	211	1	107	1	11
10	311	2	6	1	141	1	202	1	35	1	10
9	182	1	4	1	73	1	49	1	14	1	9
8	188	1	4	1	27	1	27	1	8	1	8
7	86	1	0	1	20	1	18	1	0	1	7
6	34	1	1	1	11	1	6	1	0	1	6
5	19	1	0	1	11	1	1	1	0	1	5
4	4	1	0	1	3	1	0	1	0	1	4
3	1	1	0	1	0	1	2	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
Avg (SD)	22.0 (5.6)		23.1 (5.1)		23.1 (6.0)		22.7 (4.8)		22.9 (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	1,069	100	240	100	904	100	1,962	100	1,944	100	517	100	795	100	18
17	2,365	97	749	99	2,523	98	2,908	95	2,638	95	741	99	367	98	17
16	1,643	91	1,867	97	3,014	91	3,417	87	3,164	88	1,277	97	1,627	97	16
15	1,717	87	3,286	92	2,372	83	3,703	78	3,469	80	2,528	93	3,295	93	15
14	3,450	82	3,359	84	2,670	77	3,619	68	3,861	70	3,733	87	4,546	84	14
13	2,874	73	4,000	75	2,652	70	3,522	59	4,648	60	5,619	77	5,124	72	13
12	3,768	65	4,830	64	4,727	63	3,270	49	3,575	48	4,122	62	5,057	58	12
11	3,577	55	5,762	52	4,450	50	2,873	41	2,910	38	4,726	51	4,627	45	11
10	4,375	46	4,213	36	3,111	38	3,372	33	3,936	31	5,521	39	4,212	33	10
9	3,407	34	3,404	25	3,067	30	2,230	24	1,880	20	3,731	24	3,680	22	9
8	3,377	25	2,872	16	3,881	22	2,010	18	2,547	15	2,285	14	1,821	12	8
7	2,297	16	1,466	9	1,660	12	1,614	13	2,325	9	1,123	8	1,287	7	7
6	1,535	10	801	5	1,191	7	1,804	9	676	3	821	5	398	4	6
5	1,281	6	527	3	727	4	941	4	175	1	682	3	455	3	5
4	629	3	341	1	528	2	465	2	75	1	38	1	221	2	4
3	348	1	111	1	234	1	114	1	27	1	321	1	246	1	3
2	128	1	30	1	100	1	39	1	11	1	0	1	20	1	2
1	23	1	5	1	52	1	0	1	2	1	78	1	85	1	1
Avg (SD)	11.1 (3.6)		11.4 (2.9)		11.5 (3.5)		12.2 (3.7)		12.4 (3.3)		11.4 (2.9)		11.7 (2.9)		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)	26	27	28	25	26
Q2 (50th Percentile)	22	23	23	23	23
Q1 (25th Percentile)	18	19	19	20	19

**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>37,863</b>	<b>47</b>	<b>23.8</b>	<b>21.7</b>
	African Am./Black	2,440	43	19.7	17.6
	Am. Indian/Alaska Native	108	51	23.5	19.9
	Caucasian Am./White	21,664	52	24.1	22.1
	Hispanic	1,860	46	21.4	19.0
	Asian Am./Pacific Islander	1,452	58	25.2	23.6
	Other/No Response	10,339	38	24.1	22.3
National	<b>All Students</b>	<b>1,300,599</b>	<b>51</b>	<b>22.0</b>	<b>19.8</b>
	African Am./Black	152,412	51	17.7	16.1
	Am. Indian/Alaska Native	14,044	46	20.3	17.6
	Caucasian Am./White	779,147	54	23.0	20.7
	Hispanic	93,137	50	19.5	17.7
	Asian Am./Pacific Islander	42,257	57	23.1	21.4
	Other/No Response	219,602	38	22.5	20.4

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

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	<b>All Students</b>	22.0	23.1	23.1	22.7	22.9
	African Am./Black	17.4	18.7	18.7	18.4	18.4
	Am. Indian/Alaska Native	20.3	21.5	22.6	21.9	21.7
	Caucasian Am./White	22.4	23.4	23.5	23.2	23.3
	Hispanic	19.2	20.4	20.4	20.2	20.2
	Asian Am./Pacific Islander	23.6	26.2	24.2	24.2	24.7
	Other/No Response	22.7	23.7	23.7	23.0	23.4
National	<b>All Students</b>	20.7	21.0	21.5	21.0	21.2
	African Am./Black	16.1	17.0	17.1	17.2	17.0
	Am. Indian/Alaska Native	17.9	18.7	19.4	19.2	18.9
	Caucasian Am./White	21.8	21.7	22.5	21.9	22.1
	Hispanic	17.6	19.0	18.8	18.8	18.7
	Asian Am./Pacific Islander	21.7	23.6	22.1	22.3	22.6
	Other/No Response	21.2	21.5	22.0	21.3	21.6

**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	1,538	4	1,475	4	2,523	7	1,426	4
	28 to 32	4,847	13	5,875	16	7,419	20	4,020	11
	24 to 27	8,349	22	11,194	30	7,800	21	10,343	27
	20 to 23	11,231	30	8,803	23	9,218	24	13,411	35
	16 to 19	7,140	19	8,444	22	6,782	18	6,369	17
	13 to 15	3,092	8	1,911	5	2,902	8	1,499	4
	01 to 12	1,666	4	161	0	1,219	3	795	2
National	33 to 36	44,569	3	29,067	2	58,782	5	26,450	2
	28 to 32	133,320	10	120,951	9	183,189	14	80,170	6
	24 to 27	228,570	18	268,298	21	224,580	17	258,834	20
	20 to 23	348,772	27	284,073	22	317,869	24	458,484	35
	16 to 19	278,059	21	427,859	33	281,941	22	319,915	25
	13 to 15	154,534	12	161,072	12	159,904	12	95,630	7
	01 to 12	112,775	9	9,279	1	74,334	6	61,116	5

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

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	13,880	37	21.4	23.8	22.7	23.3	23.0
	Females	19,620	52	22.4	22.5	23.3	22.3	22.7
	Missing	4,363	12	22.4	23.4	23.5	22.9	23.2
National	Males	544,522	42	20.2	21.6	21.2	21.4	21.2
	Females	674,636	52	21.0	20.4	21.6	20.5	21.0
	Missing	81,441	6	21.7	21.9	22.4	21.7	22.1

**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	76	66	62	47	39
	Females	81	57	66	38	33
National	Males	66	47	51	32	26
	Females	71	38	53	24	20





# 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

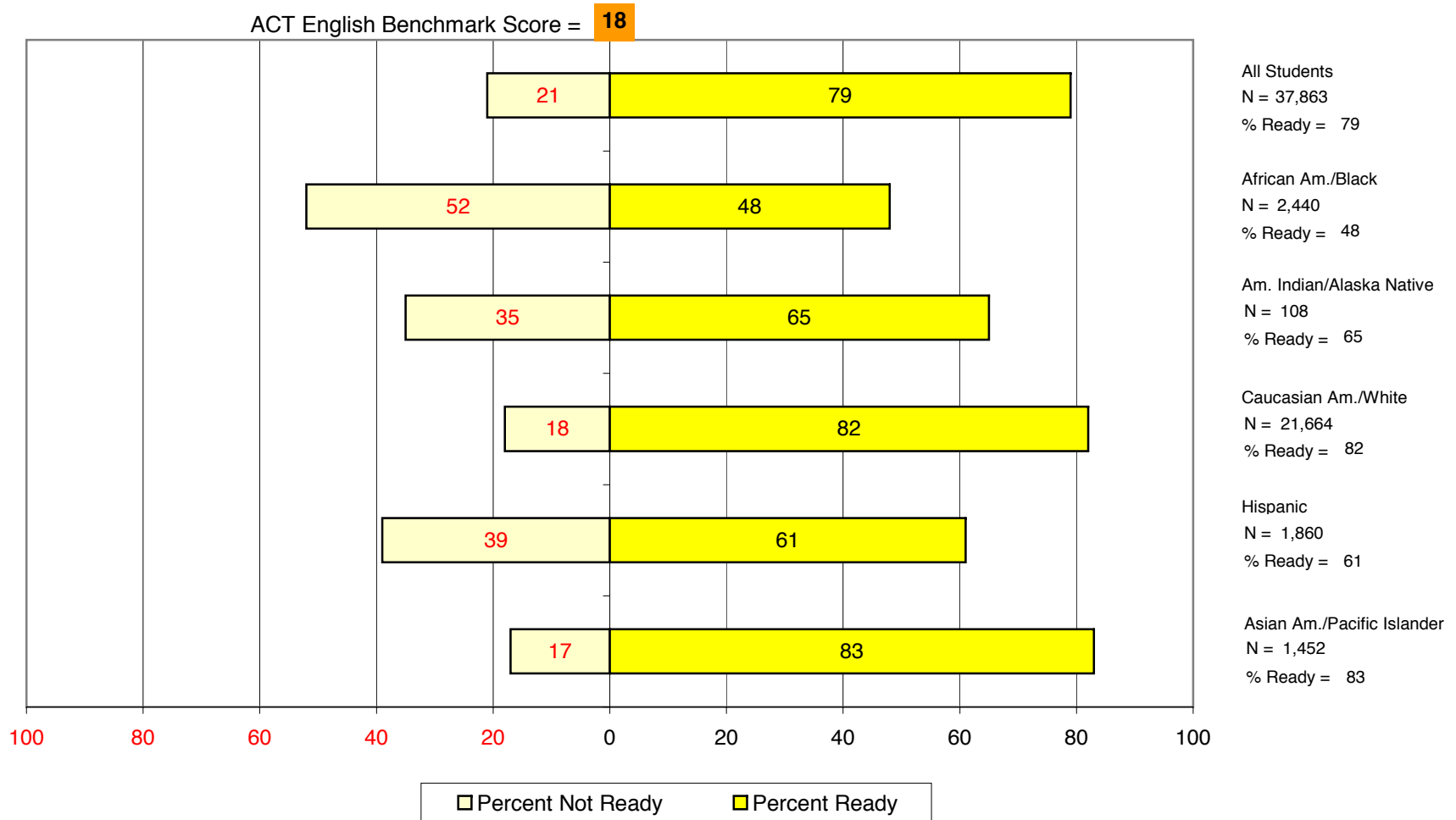


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

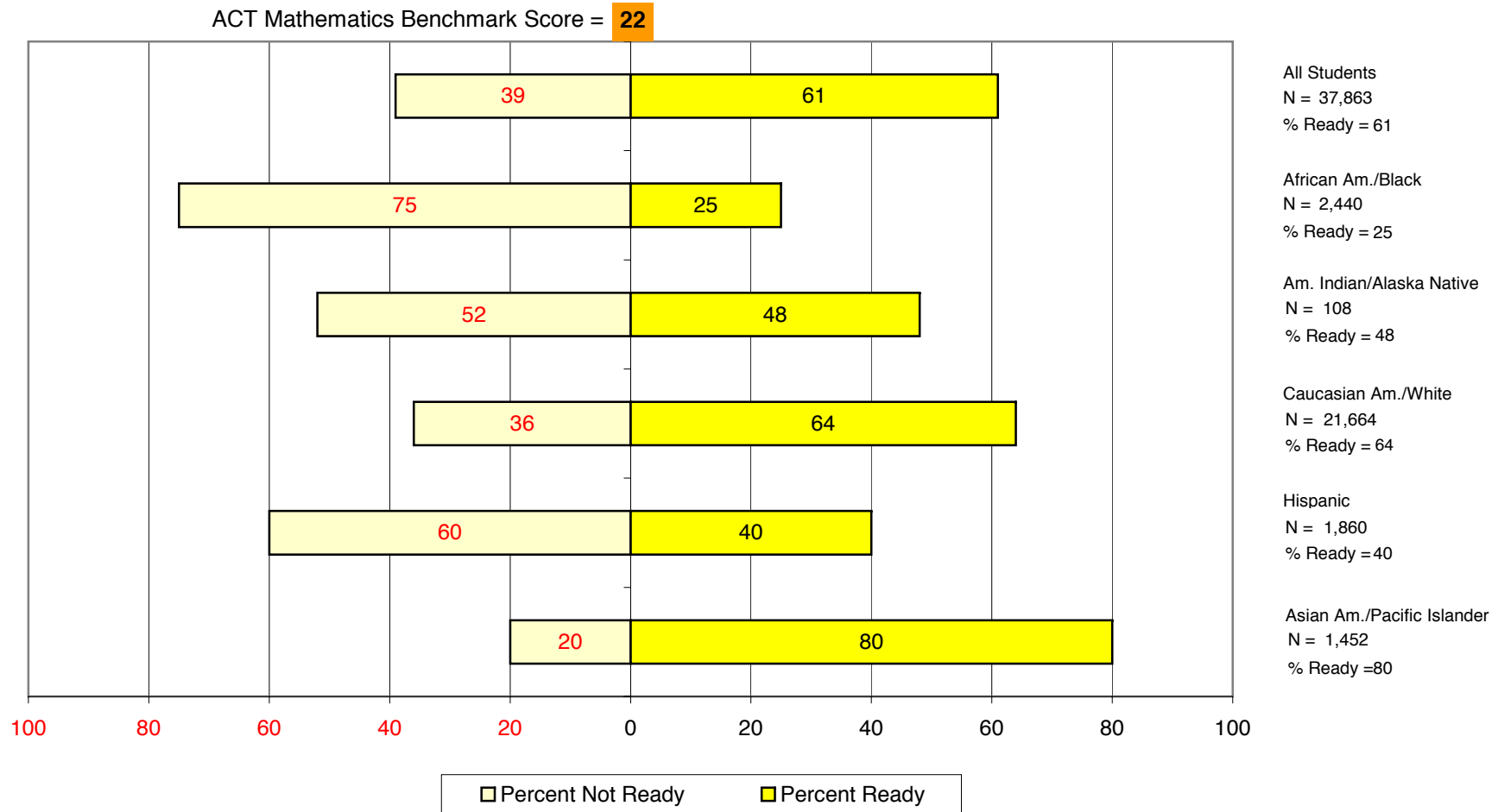


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

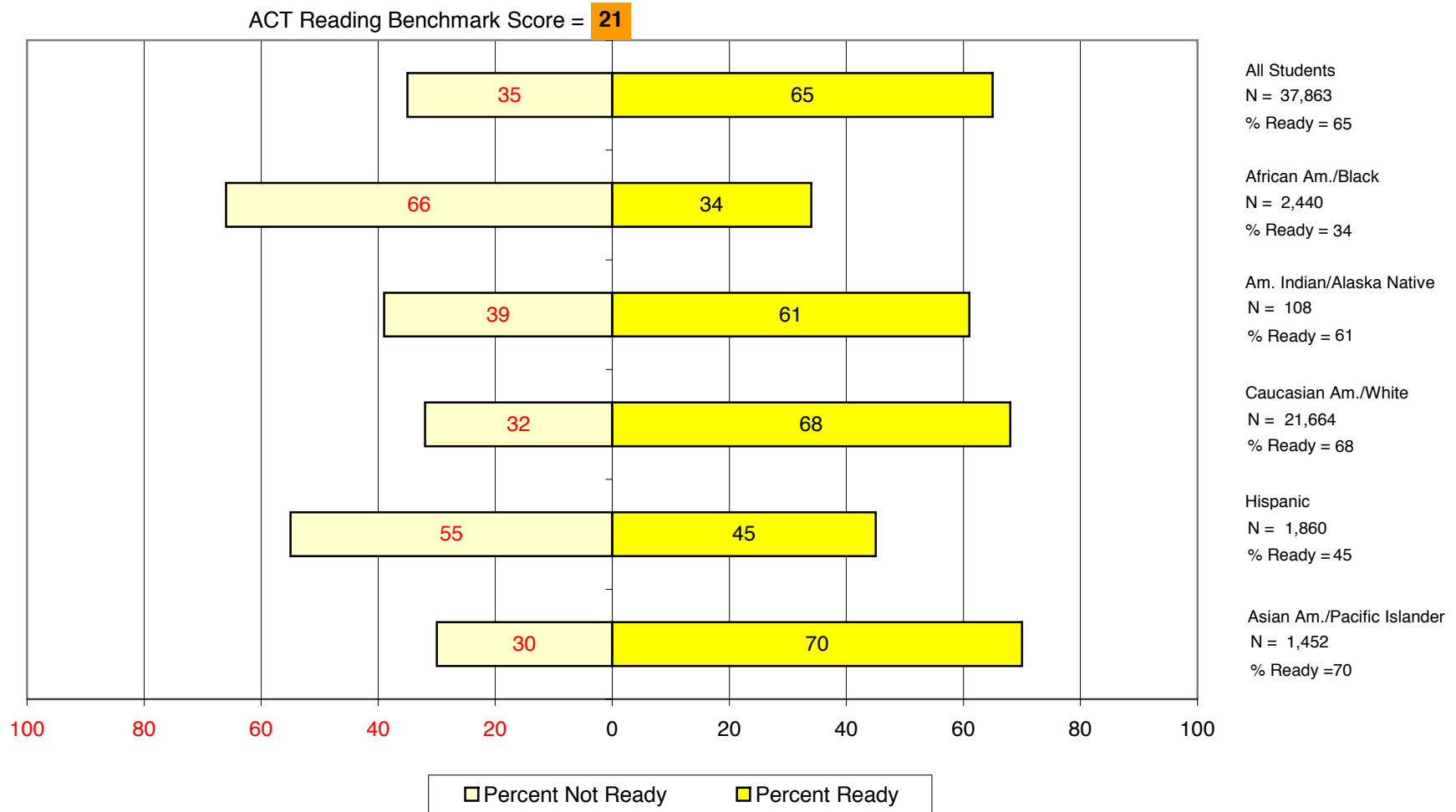


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24

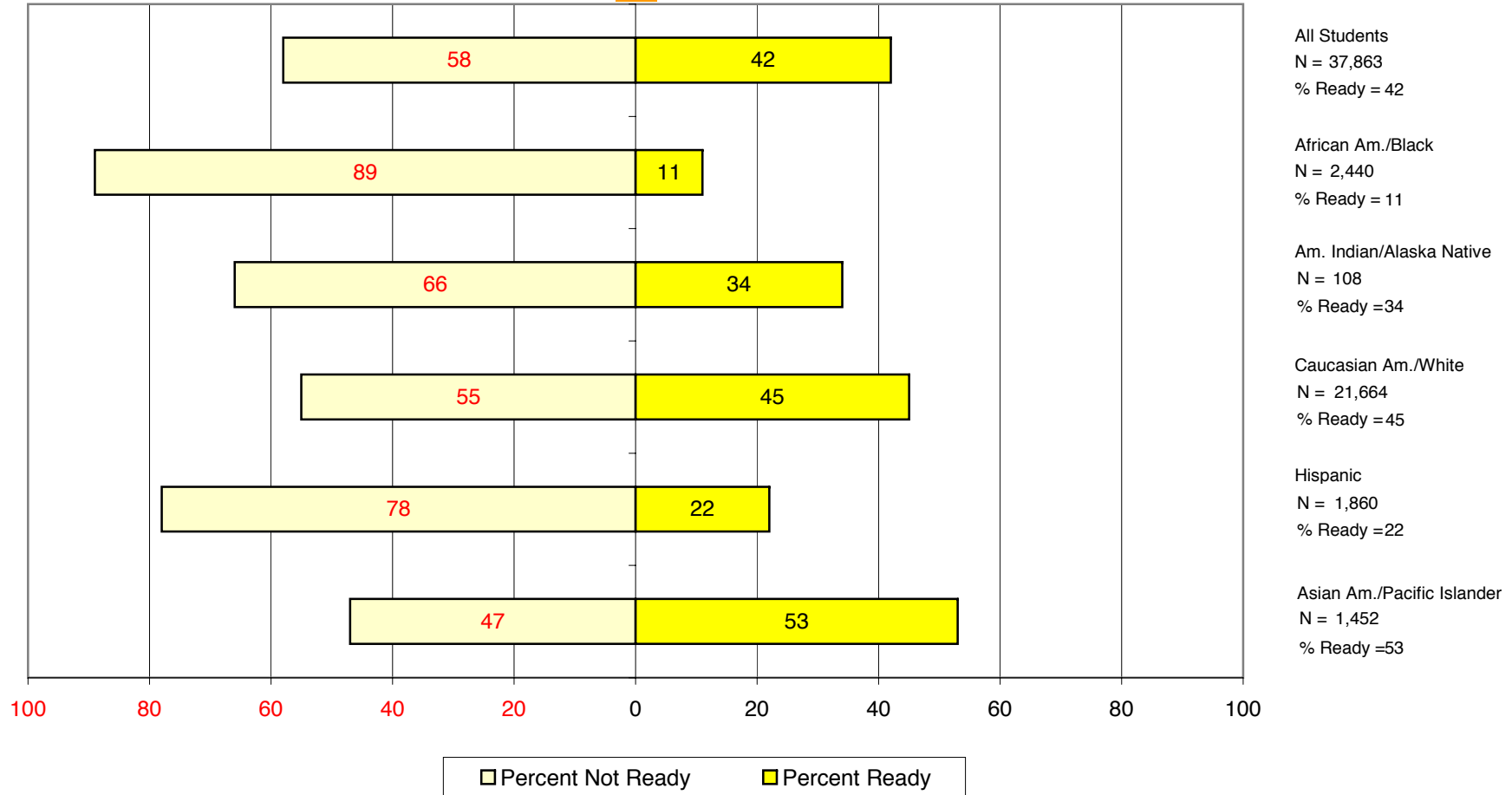
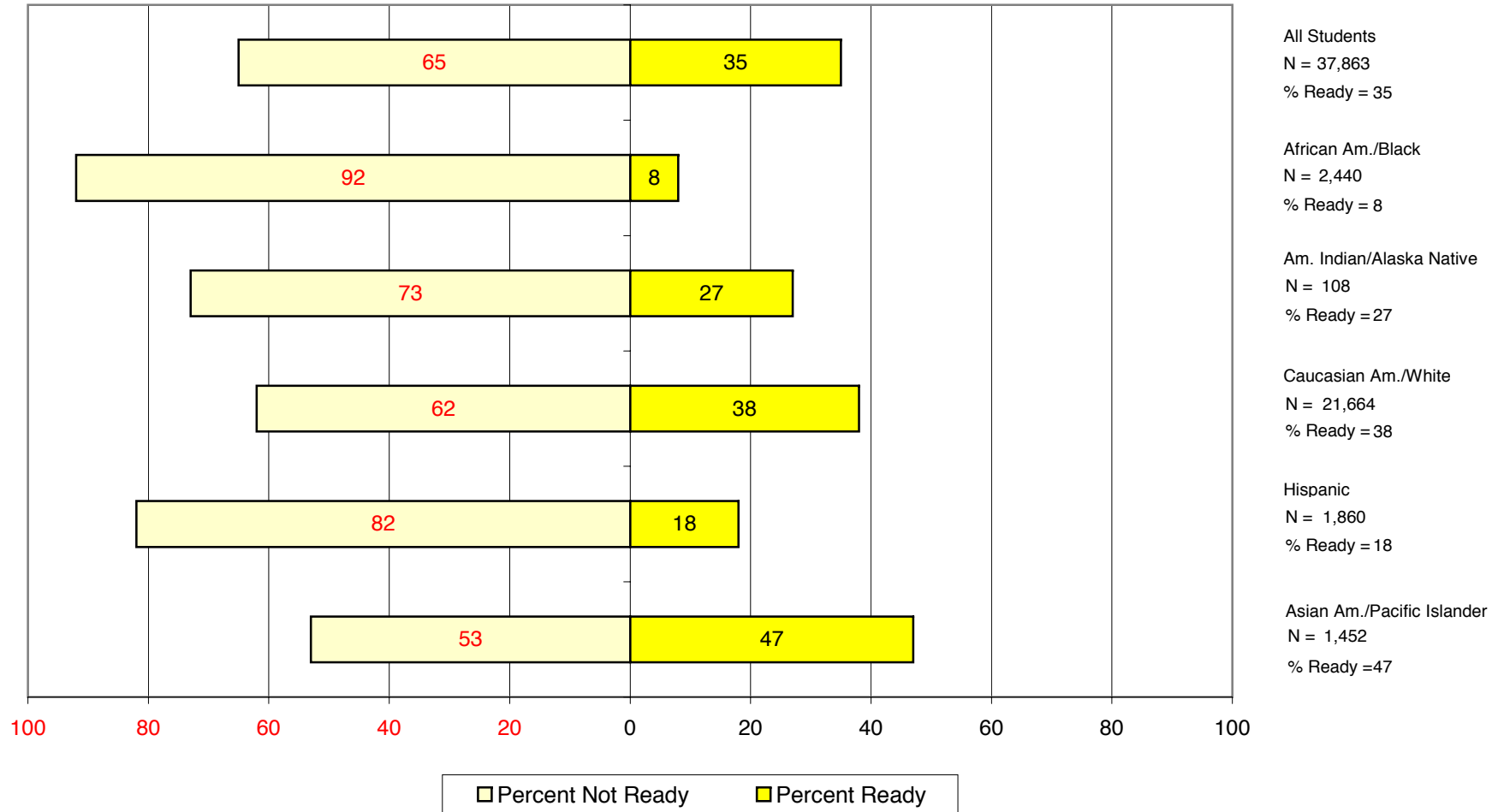


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**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	5,485	14	23.3	1.9	1,668	12	22.8	2.0	3,331	17	23.5	1.7
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	19,909	53	21.9	0.5	7,519	54	21.4	0.6	10,742	55	22.1	0.3
Less than 4 years of English	4,544	12	21.4	-	1,721	12	20.8	-	2,296	12	21.8	-
No English course/grade information reported	7,925	21	21.9	-	2,972	21	21.0	-	3,251	17	22.4	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	4,225	11	25.8	5.0	1,586	11	26.4	5.1	2,253	11	25.3	4.9
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,827	10	23.0	2.2	1,200	9	23.9	2.6	2,310	12	22.6	2.2
Alg 1, Alg 2, Geom, & Trig	5,174	14	21.3	0.5	1,700	12	21.9	0.6	3,009	15	20.9	0.5
Alg 1, Alg 2, Geom, & Other Adv Math	784	2	21.2	0.4	254	2	21.9	0.6	469	2	20.8	0.4
Other comb of 4 or more years of Math	7,046	19	25.8	5.0	2,946	21	26.7	5.4	3,526	18	25.1	4.7
Alg 1, Alg 2, & Geom (Min. Core)	1,379	4	19.2	-1.6	490	4	19.7	-1.6	800	4	18.9	-1.5
Other comb of 3 or 3.5 years of Math	1,362	4	23.0	2.2	542	4	23.3	2.0	707	4	22.7	2.3
Less than 3 years of Math	4,715	12	20.8	-	1,662	12	21.3	-	2,545	13	20.4	-
No Math course/grade information reported	9,351	25	22.8	-	3,500	25	23.2	-	4,001	20	22.2	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	694	2	23.3	0.8	336	2	22.6	0.3	292	1	24.0	1.4
Other comb of 4 or more years Social Science	12,606	33	23.6	1.1	4,242	31	23.2	0.9	7,359	38	23.7	1.1
US Hist, World Hist, & Am Gov (Min. Core)	958	3	23.0	0.5	411	3	23.1	0.8	456	2	22.9	0.3
Other comb of 3 or 3.5 years of Social Science	8,573	23	23.2	0.7	3,134	23	23.0	0.7	4,729	24	23.3	0.7
Less than 3 years of Social Science	6,483	17	22.5	-	2,555	18	22.3	-	3,236	16	22.6	-
No Soc Sci course/grade information reported	8,549	23	22.8	-	3,202	23	22.2	-	3,548	18	23.0	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	13,886	37	24.4	4.3	5,644	41	25.1	4.6	7,115	36	23.9	4.1
Bio, Chem, Phys	1,814	5	23.9	3.8	595	4	25.0	4.5	1,043	5	23.4	3.6
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	8,779	23	21.4	1.3	2,707	20	21.6	1.1	5,263	27	21.3	1.5
Other comb of 3 years of Natural Science	644	2	21.6	1.5	291	2	22.4	1.9	304	2	20.8	1.0
Less than 3 years of Natural Science	3,835	10	20.1	-	1,347	10	20.5	-	2,132	11	19.8	-
No Nat Sci course/grade information reported	8,905	24	22.4	-	3,296	24	22.6	-	3,763	19	21.9	-

<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	5,485	14	23.3	86	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	19,909	53	21.9	78	766,001	59	20.5	68
Less than 4 years of English	4,544	12	21.4	76	141,777	11	19.7	64
No English course/grade information reported	7,925	21	21.9	78	201,619	16	20.7	69
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	4,225	11	25.8	83	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	3,827	10	23.0	66	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	5,174	14	21.3	48	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	784	2	21.2	48	163,562	13	20.4	38
Other comb of 4 or more years of Math	7,046	19	25.8	80	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	1,379	4	19.2	29	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	1,362	4	23.0	61	57,945	4	20.9	43
Less than 3 years of Math	4,715	12	20.8	41	145,617	11	18.3	21
No Math course/grade information reported	9,351	25	22.8	59	211,787	16	21.1	44
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	694	2	23.3	67	31,985	2	22.7	61
Other comb of 4 or more years Social Science	12,606	33	23.6	67	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	958	3	23.0	62	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	8,573	23	23.2	65	333,689	26	21.4	52
Less than 3 years of Social Science	6,483	17	22.5	61	201,605	16	20.6	47
No Soc Sci course/grade information reported	8,549	23	22.8	63	212,012	16	21.5	53
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	13,886	37	24.4	56	333,648	26	22.4	40
Bio, Chem, Phys	1,814	5	23.9	52	115,297	9	23.4	48
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	8,779	23	21.4	29	353,348	27	20.2	20
Other comb of 3 years of Natural Science	644	2	21.6	33	32,593	3	20.4	24
Less than 3 years of Natural Science	3,835	10	20.1	22	247,312	19	19.1	15
No Nat Sci course/grade information reported	8,905	24	22.4	39	218,401	17	20.9	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	168	0	21.4	23	5	19.6	139	1	21.8
Architecture & Environmental Design	375	1	22.1	13	3	17.5	344	1	22.2
Business & Management	2,228	6	22.1	45	9	18.2	2,089	8	22.3
Business & Office	64	0	20.8	4	1	19.0	57	0	21.1
Marketing & Distribution	212	1	21.3	5	1	15.8	189	1	21.4
Communications & Comm. Technologies	850	2	22.6	13	3	17.3	781	3	22.6
Community & Personal Services	488	1	19.5	31	6	17.7	433	2	19.7
Computer & Information Sciences	402	1	22.9	16	3	18.8	363	1	23.3
Cross-Disciplinary Studies	66	0	24.0	1	0	12.0	63	0	24.5
Education	1,463	4	21.8	9	2	18.1	1,390	5	21.9
Teacher Education	860	2	21.4	6	1	16.3	800	3	21.5
Engineering	902	2	25.2	7	1	15.4	854	3	25.3
Engineering-Related Technologies	519	1	23.5	6	1	17.8	498	2	23.6
Foreign Languages	177	0	25.0	1	0	24.0	166	1	25.0
Health Sciences & Allied Health Fields	3,510	9	22.4	71	14	18.0	3,296	13	22.6
Human, Family & Consumer Science	153	0	20.3	17	3	17.5	130	0	20.7
Letters	174	0	25.6	1	0	20.0	166	1	25.7
Mathematics	190	1	25.4	1	0	18.0	179	1	25.4
Philosophy, Religion & Theology	43	0	24.3	0	0	.	42	0	24.3
Sciences (Biological & Physical)	1,861	5	25.0	9	2	18.1	1,797	7	25.1
Social Sciences	2,077	5	23.2	9	2	17.6	1,979	8	23.3
Trade & Industrial	93	0	18.8	43	8	18.1	48	0	19.3
Visual & Performing Arts	1,301	3	22.6	30	6	18.0	1,176	4	22.8
Undecided	4,507	12	22.5	73	14	17.9	4,019	15	22.6
No Response	15,180	40	23.1	74	15	17.9	5,192	20	23.3

<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	55	18.6	7	16.3	0	.	36	19.3	5	15.4	2	18.5	5	20.8
2-yr College Degree	453	17.9	27	14.9	4	16.3	317	18.5	24	15.3	5	15.4	76	17.4
Bachelors Degree	7,691	21.1	453	16.8	24	19.7	5,204	21.6	360	18.7	152	21.0	1,498	21.2
Graduate Study	8,649	23.4	469	19.2	18	23.6	5,770	23.7	361	20.9	269	24.5	1,762	23.6
Prof. Level Degree	9,850	24.1	852	19.8	37	23.1	5,227	24.8	652	21.3	654	25.4	2,428	24.3
Other	596	20.1	47	15.7	2	20.5	335	21.0	49	18.4	20	22.7	143	19.9
No Response	10,569	23.0	585	17.6	23	21.0	4,775	23.2	409	19.5	350	25.3	4,427	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 AT BUFFALO/SUNY	New York	1,593	490	1,103	0	5	18	35	27	13	1
BINGHAMTON UNIVERSITY/SUNY	New York	1,433	429	1,004	0	3	12	30	34	18	2
STONY BROOK UNIVERSITY/SUNY	New York	1,342	395	947	1	6	23	36	24	9	1
STATE UNIV OF NY COLL AT GENESEO	New York	1,288	369	919	0	1	8	29	37	23	2
STATE UNIV OF NY COLL AT BUFFALO	New York	1,197	302	895	1	4	23	35	27	9	1
SYRACUSE UNIVERSITY	New York	1,170	304	866	1	4	16	32	31	14	1
CORNELL UNIVERSITY	New York	1,169	434	735	0	2	8	20	31	32	7
UNIVERSITY AT ALBANY/SUNY	New York	1,105	275	830	1	5	23	36	26	8	1
NEW YORK UNIVERSITY	New York	1,094	322	772	1	5	14	28	31	19	2
STATE UNIV OF NY COLL AT CORTLAND	New York	1,053	274	779	0	3	28	45	20	4	0
STATE UNIV OF NY COLL AT BROCKPORT	New York	1,006	268	738	0	5	26	41	21	7	0
STATE UNIV OF NY COLL AT OSWEGO	New York	929	219	710	0	3	26	42	22	5	0
CITY UNIVERSITY OF NEW YORK	New York	924	399	525	6	20	32	24	13	5	1
STATE UNIV OF NY COLL AT ONEONTA	New York	897	210	687	1	4	26	45	21	5	0
ROCHESTER INST OF TECHNOLOGY	New York	858	290	568	0	2	10	27	34	22	4
ITHACA COLLEGE	New York	757	210	547	0	2	12	31	36	17	1
HOFSTRA UNIVERSITY	New York	747	181	566	1	8	26	39	20	5	0
STATE UNIV OF NY COLL AT FREDONIA	New York	745	200	545	1	5	21	39	26	8	0
FORDHAM UNIVERSITY	New York	644	200	444	1	5	14	33	33	13	1
ST JOHN FISHER COLLEGE	New York	596	143	453	1	4	20	39	28	8	1
STATE UNIV OF NEW YORK AT NEW PALTZ	New York	591	157	434	1	5	23	39	25	7	0
UNIVERSITY OF ROCHESTER	New York	582	128	454	1	1	7	18	34	34	5
BOSTON UNIVERSITY	Massachusetts	575	153	422	0	2	6	23	37	30	2
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	566	126	440	2	5	15	30	31	16	1
CANISIUS COLLEGE	New York	537	156	381	1	4	16	40	28	11	0
STATE UNIV OF NY COLL AT PLATTSBURGH	New York	518	127	391	1	5	35	39	19	2	0
NIAGARA UNIVERSITY	New York	495	141	354	0	4	20	40	27	10	0
SAINT JOHN'S UNIVERSITY	New York	490	128	362	1	11	34	34	16	4	0
MARIST COLLEGE	New York	484	125	359	0	5	16	38	30	11	0
LE MOYNE COLLEGE	New York	471	126	345	2	4	19	41	27	6	1
All Other Institutions		37,660	10,303	27,357	1	6	21	30	25	14	2
<b>Total</b>		<b>63,516</b>	<b>17,584</b>	<b>45,932</b>	<b>1</b>	<b>6</b>	<b>20</b>	<b>31</b>	<b>26</b>	<b>14</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>22,730</b>	<b>532,943</b>	<b>23.1</b>	<b>22.3</b>	<b>8.1</b>	<b>7.6</b>	<b>22.9</b>	<b>21.8</b>
African Am./Black	1,385	50,340	18.1	17.2	7.4	6.7	18.6	17.3
Am. Indian/Alaska Native	58	3,462	21.4	19.8	7.5	7.0	21.0	19.4
Caucasian Am./White	12,222	308,578	23.5	23.4	8.1	7.6	23.1	22.6
Hispanic	1,191	42,588	20.1	18.8	7.7	7.3	20.3	19.0
Asian Am./Pacific Islander	1,110	25,616	24.3	23.2	8.3	8.0	24.0	22.8
Other/No Response	6,764	102,359	23.8	23.2	8.2	7.8	23.5	22.7
Males	7,830	204,427	22.6	22.0	7.8	7.3	22.3	21.3
Females	12,072	285,556	23.3	22.5	8.2	7.7	23.1	22.1
Missing	2,828	42,960	23.4	23.0	8.2	7.8	23.1	22.6



