

ACT High School Profile Report

The Graduating Class of 2007
Illinois



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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

How to Improve Scores and Increase College Readiness

21% 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. 140,483 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. 38% 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 17% of the cohort took less than three years of math courses. Of these students, 11% were college ready. 17% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 16% of these students were college ready. In comparison, 55% 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 24% of the cohort took less than three years of natural science courses. 11% of these students were college ready. In comparison, 31% 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 52% 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.

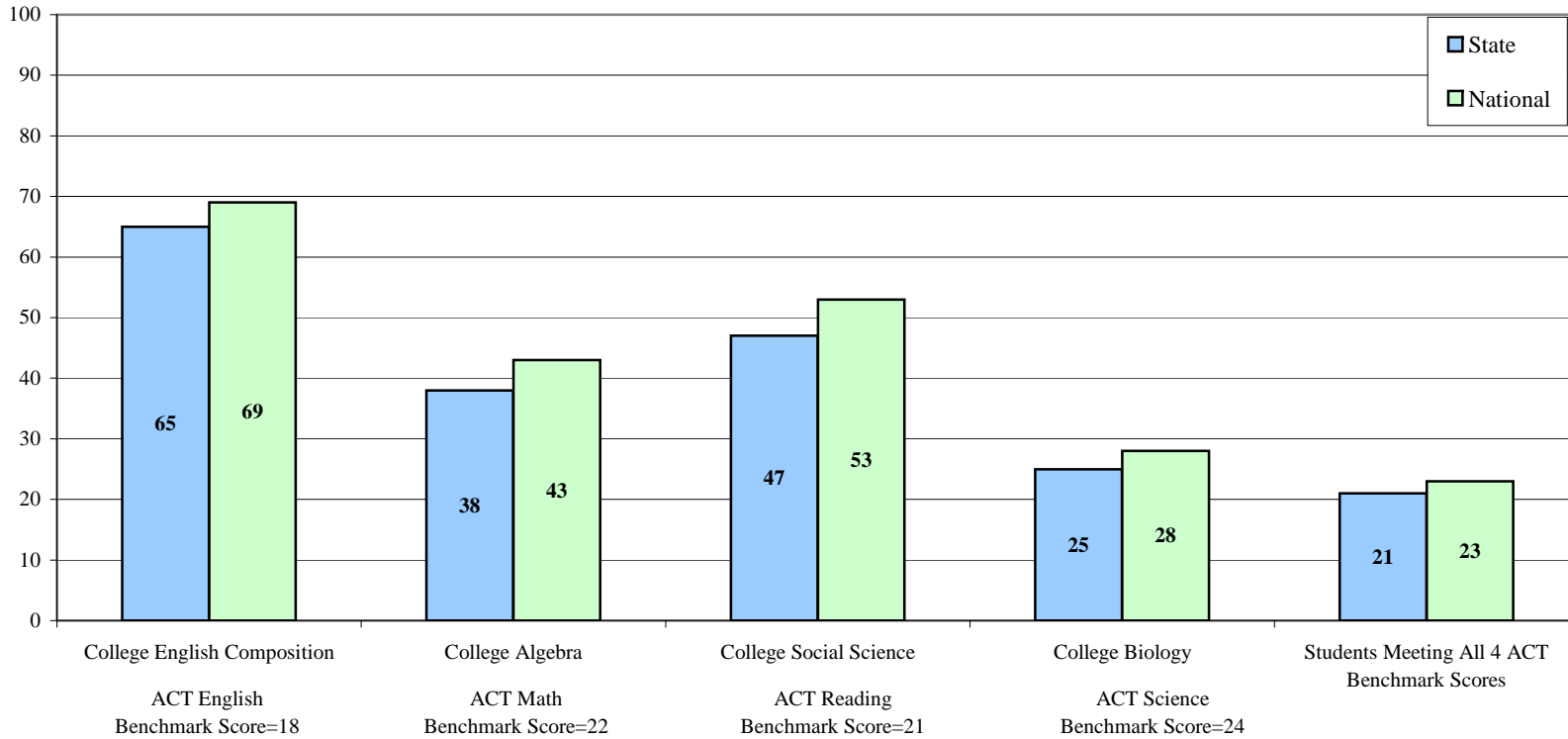
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 847-634-2560.

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	134,505	1,175,059	61	67	37	40	47	52	24	26	19	20
2004	132,525	1,171,460	62	68	36	40	46	52	24	26	19	21
2005	135,967	1,186,251	63	68	38	41	45	51	25	26	20	21
2006	137,399	1,206,455	65	69	38	42	46	53	25	27	20	21
2007	140,483	1,300,599	65	69	38	43	47	53	25	28	21	23

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	134,505	1,175,059	19.6	20.3	20.2	20.6	20.4	21.2	20.1	20.8	20.2	20.8
2004	132,525	1,171,460	19.7	20.4	20.2	20.7	20.5	21.3	20.2	20.9	20.3	20.9
2005	135,967	1,186,251	19.9	20.4	20.2	20.7	20.3	21.3	20.4	20.9	20.3	20.9
2006	137,399	1,206,455	20.2	20.6	20.3	20.8	20.6	21.4	20.4	20.9	20.5	21.1
2007	140,483	1,300,599	20.2	20.7	20.4	21.0	20.5	21.5	20.4	21.0	20.5	21.2

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
2007	1,300,599	20.7	21.0	21.5	21.0	21.2

Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation

Grad Year	Number of Students Tested		Percent ¹		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	55,057	65,235	41	49	22.2	17.7	22.5	18.5	22.6	18.7	22.2	18.6	22.5	18.5
2004	54,589	63,039	41	48	22.2	17.8	22.3	18.4	22.6	18.8	22.0	18.7	22.4	18.6
2005	55,892	62,027	41	46	22.4	17.9	22.5	18.5	22.4	18.6	22.2	18.9	22.5	18.6
2006	55,760	62,555	41	46	22.5	18.4	22.4	18.6	22.7	19.0	22.1	19.0	22.6	18.9
2007	53,135	64,588	38	46	22.5	18.6	22.4	18.9	22.6	19.0	22.2	19.1	22.5	19.0

¹Percent 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
All Students	134,505	100	20.2	132,525	100	20.3	135,967	100	20.3	137,399	100	20.5	140,483	100	20.5
African American/Black	13,897	10	16.8	14,479	11	16.8	15,820	12	16.8	16,224	12	16.9	16,856	12	16.9
American Indian/Alaska Native	589	0	17.4	651	0	17.5	1,394	1	17.3	1,299	1	17.6	1,242	1	17.3
Caucasian American/White	80,446	60	21.6	77,371	58	21.6	74,708	55	21.8	73,029	53	22.0	72,863	52	22.0
Hispanic	11,531	9	17.6	12,243	9	17.6	13,362	10	17.7	13,852	10	17.9	14,025	10	17.9
Asian American/Pacific Islander	5,310	4	22.1	5,369	4	22.3	5,267	4	22.5	5,140	4	22.6	5,097	4	22.8
Other/No Response	22,732	17	18.5	22,412	17	18.8	25,416	19	19.3	27,855	20	19.8	30,400	22	20.1

Section II

Academic Achievement

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages for All Students

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	
36	212	100	437	100	618	100	392	100	68	100	36
35	1,381	100	1,099	100	1,191	100	1,000	100	409	100	35
34	1,635	99	1,105	99	1,747	99	593	99	728	100	34
33	1,952	98	1,222	98	2,218	97	933	99	1,111	99	33
32	1,783	96	1,416	97	1,697	96	1,236	98	1,595	98	32
31	2,103	95	2,235	96	3,091	95	1,069	97	2,087	97	31
30	2,470	94	2,241	95	2,990	92	1,480	96	2,561	96	30
29	3,870	92	3,088	93	3,370	90	2,278	95	3,273	94	29
28	3,465	89	3,580	91	6,309	88	2,178	94	3,883	92	28
27	4,372	87	5,067	88	4,275	83	3,985	92	4,852	89	27
26	5,215	83	5,305	85	4,464	80	4,532	89	5,672	85	26
25	6,316	80	6,889	81	4,680	77	7,398	86	6,500	81	25
24	6,856	75	7,395	76	7,755	74	8,637	81	7,195	77	24
23	6,455	70	5,963	71	7,439	68	9,087	75	7,808	72	23
22	8,630	66	6,344	67	5,470	63	11,372	68	8,547	66	22
21	9,166	60	6,707	62	8,896	59	11,518	60	9,274	60	21
20	9,659	53	6,808	57	7,420	53	12,763	52	9,463	53	20
19	9,210	46	7,547	52	7,281	48	8,289	43	9,747	47	19
18	6,514	40	10,378	47	9,227	42	12,984	37	9,914	40	18
17	6,376	35	11,604	40	7,062	36	11,363	28	9,612	33	17
16	8,861	30	17,184	31	6,688	31	6,012	20	9,361	26	16
15	8,401	24	15,672	19	9,811	26	1,837	15	8,689	19	15
14	5,899	18	6,680	8	6,026	19	5,338	14	7,359	13	14
13	4,632	14	2,972	3	8,420	15	4,530	10	5,698	8	13
12	4,136	11	1,169	1	6,562	9	3,536	7	3,355	4	12
11	2,441	8	300	1	2,539	4	2,639	4	1,395	1	11
10	3,075	6	53	1	1,496	2	2,551	2	263	1	10
9	2,272	4	7	1	885	1	563	1	46	1	9
8	2,061	2	8	1	503	1	255	1	12	1	8
7	777	1	0	1	206	1	97	1	4	1	7
6	206	1	6	1	97	1	27	1	2	1	6
5	56	1	0	1	32	1	1	1	0	1	5
4	20	1	0	1	1	1	5	1	0	1	4
3	2	1	0	1	10	1	3	1	0	1	3
2	2	1	0	1	6	1	0	1	0	1	2
1	2	1	2	1	1	1	2	1	0	1	1
Avg (SD)	20.2 (6.3)		20.4 (5.4)		20.5 (6.3)		20.4 (5.1)		20.5 (5.3)		Avg (SD)

¹Note: 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 (CP¹), 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 ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	
18	3,316	100	1,098	100	2,331	100	3,282	100	3,225	100	2,014	100	1,971	100	18
17	6,549	98	2,719	99	5,661	98	5,343	98	5,554	98	1,031	99	1,321	99	17
16	4,904	93	5,862	97	7,015	94	6,953	94	7,632	94	3,669	98	4,366	98	16
15	6,714	89	8,288	93	8,691	89	8,174	89	7,080	88	4,630	95	5,734	95	15
14	7,524	85	9,956	87	8,792	83	7,895	83	8,159	83	8,415	92	11,026	90	14
13	9,613	79	10,294	80	8,061	77	9,710	77	10,483	77	11,807	86	12,324	83	13
12	8,664	73	14,483	73	11,215	71	10,342	71	13,064	70	11,504	78	12,124	74	12
11	11,581	66	15,124	62	17,917	63	15,557	63	9,712	61	16,269	69	17,039	65	11
10	16,637	58	16,919	52	12,174	50	12,172	52	10,252	54	23,643	58	15,181	53	10
9	12,094	46	12,941	40	11,892	42	11,328	43	12,808	46	17,555	41	23,841	42	9
8	12,688	38	17,432	30	14,085	33	10,632	35	14,648	37	15,172	28	13,314	25	8
7	10,989	29	10,214	18	10,144	23	10,352	28	21,067	27	11,720	18	4,043	16	7
6	12,157	21	7,515	11	8,235	16	10,665	20	10,797	12	2,562	9	9,037	13	6
5	7,641	12	3,239	5	6,082	10	11,410	13	3,444	4	6,669	7	4,791	7	5
4	4,918	7	3,269	3	4,470	6	4,163	5	1,671	2	432	3	1,545	3	4
3	3,440	3	939	1	2,361	3	1,675	2	641	1	2,857	2	2,091	2	3
2	955	1	178	1	1,001	1	794	1	218	1	3	1	215	1	2
1	99	1	13	1	356	1	36	1	28	1	531	1	520	1	1
Avg (SD)	10.0 (3.9)		10.5 (3.2)		10.4 (3.7)		10.3 (3.8)		10.5 (3.6)		10.2 (3.1)		10.4 (3.2)		Avg (SD)

¹Note: 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)	24	24	25	24	24
Q2 (50th Percentile)	20	19	20	20	20
Q1 (25th Percentile)	16	16	15	17	16

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	All Students	140,483	38	22.5	19.0
	African Am./Black	16,856	30	18.0	16.4
	Am. Indian/Alaska Native	1,242	24	19.9	16.5
	Caucasian Am./White	72,863	43	23.7	20.2
	Hispanic	14,025	33	19.4	17.1
	Asian Am./Pacific Islander	5,097	50	24.1	20.9
	Other/No Response	30,400	30	22.2	18.7
National	All Students	1,300,599	51	22.0	19.8
	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	All Students	20.2	20.4	20.5	20.4	20.5
	African Am./Black	16.4	16.7	16.8	17.1	16.9
	Am. Indian/Alaska Native	16.3	17.4	17.3	17.6	17.3
	Caucasian Am./White	21.8	21.7	22.0	21.7	22.0
	Hispanic	17.2	18.1	17.8	18.1	17.9
	Asian Am./Pacific Islander	22.4	23.8	22.1	22.5	22.8
	Other/No Response	19.7	20.0	20.0	20.0	20.1
National	All Students	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	5,180	4	3,863	3	5,774	4	2,918	2
	28 to 32	13,691	10	12,560	9	17,457	12	8,241	6
	24 to 27	22,759	16	24,656	18	21,174	15	24,552	17
	20 to 23	33,910	24	25,822	18	29,225	21	44,740	32
	16 to 19	30,961	22	46,713	33	30,258	22	38,648	28
	13 to 15	18,932	13	25,324	18	24,257	17	11,705	8
	01 to 12	15,050	11	1,545	1	12,338	9	9,679	7
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	64,974	46	19.7	20.8	20.3	20.7	20.5
	Females	70,105	50	20.5	19.9	20.6	20.0	20.4
	Missing	5,404	4	22.4	22.3	22.4	22.0	22.4
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	62	41	46	28	23
	Females	67	34	47	22	19
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

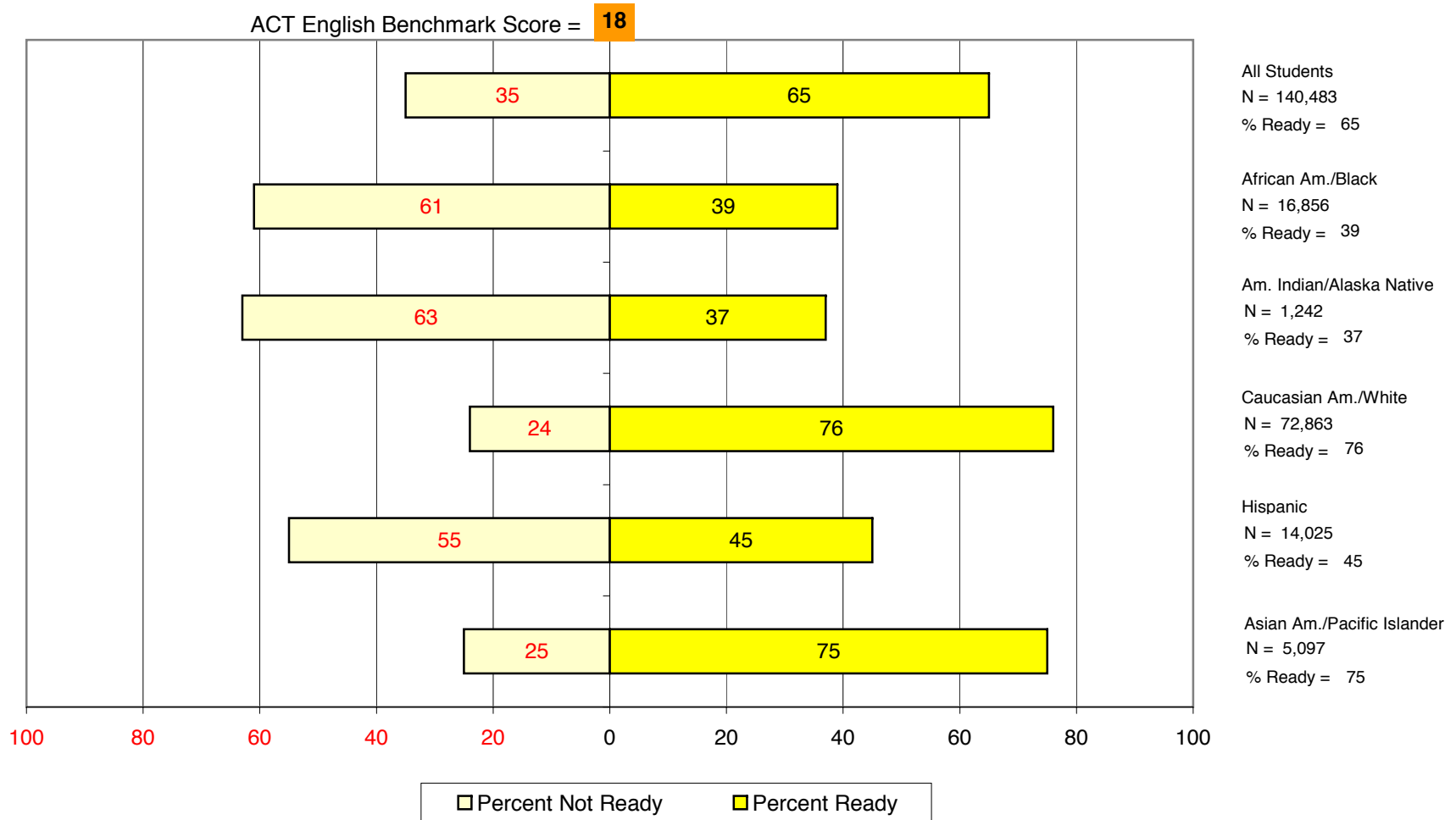


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

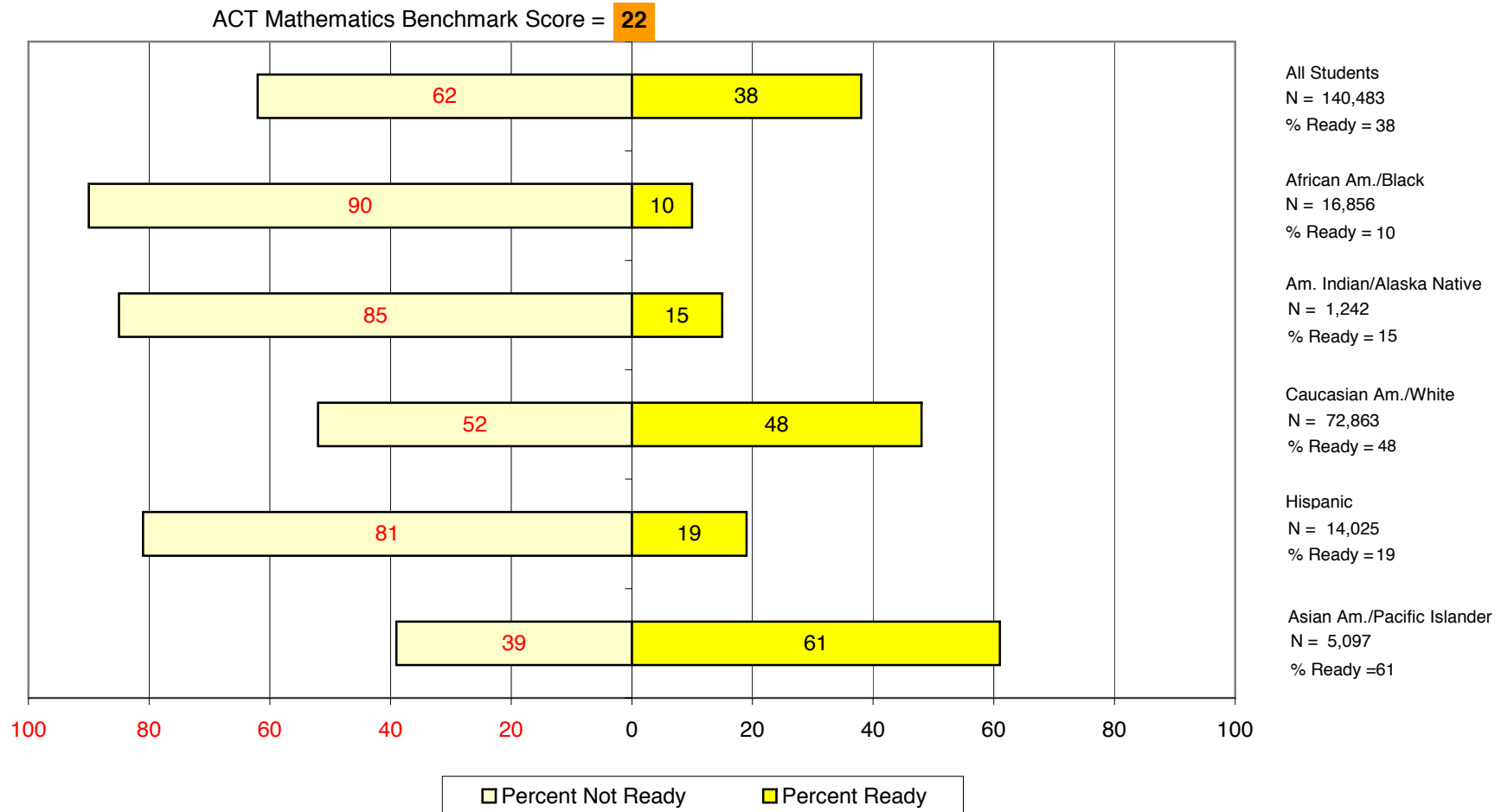


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

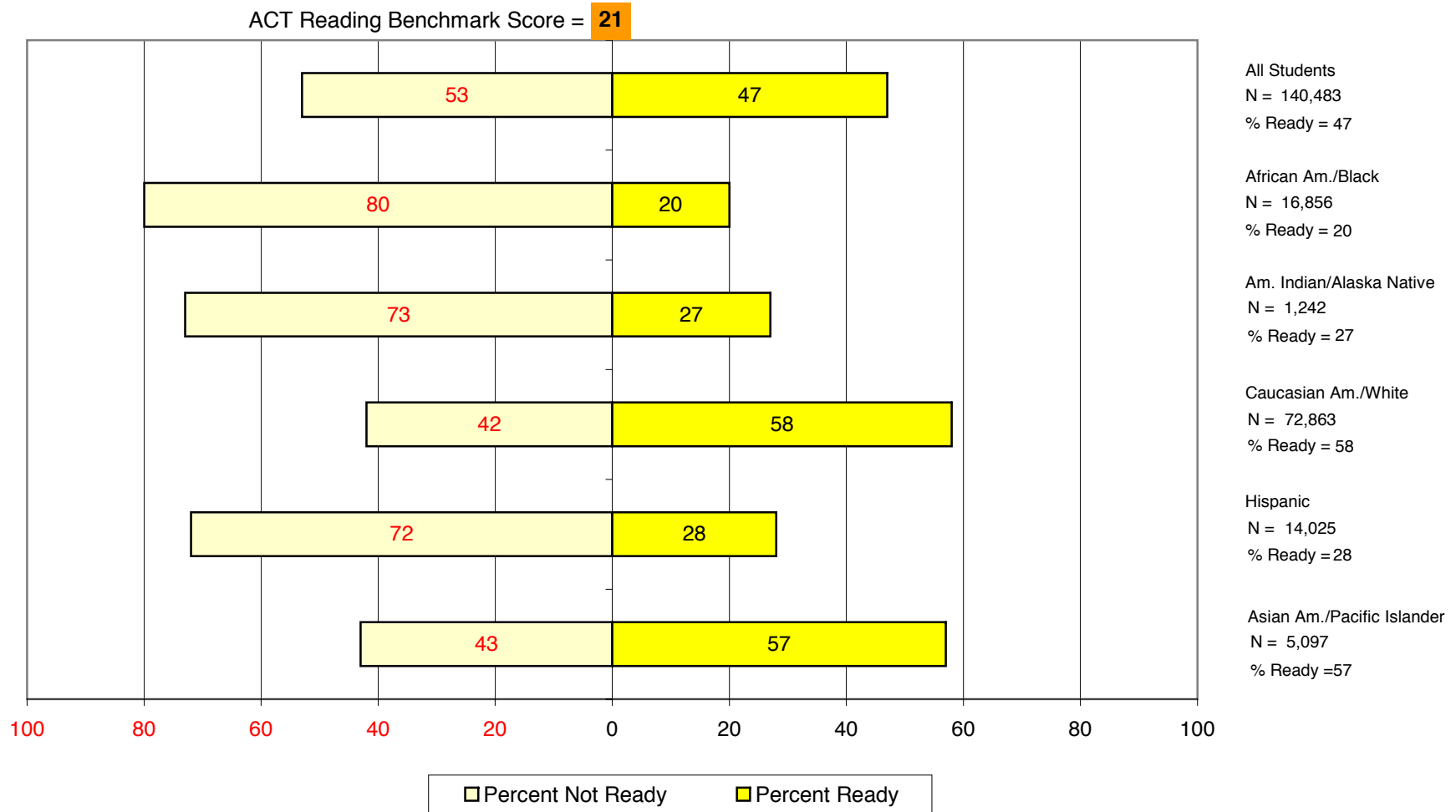


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

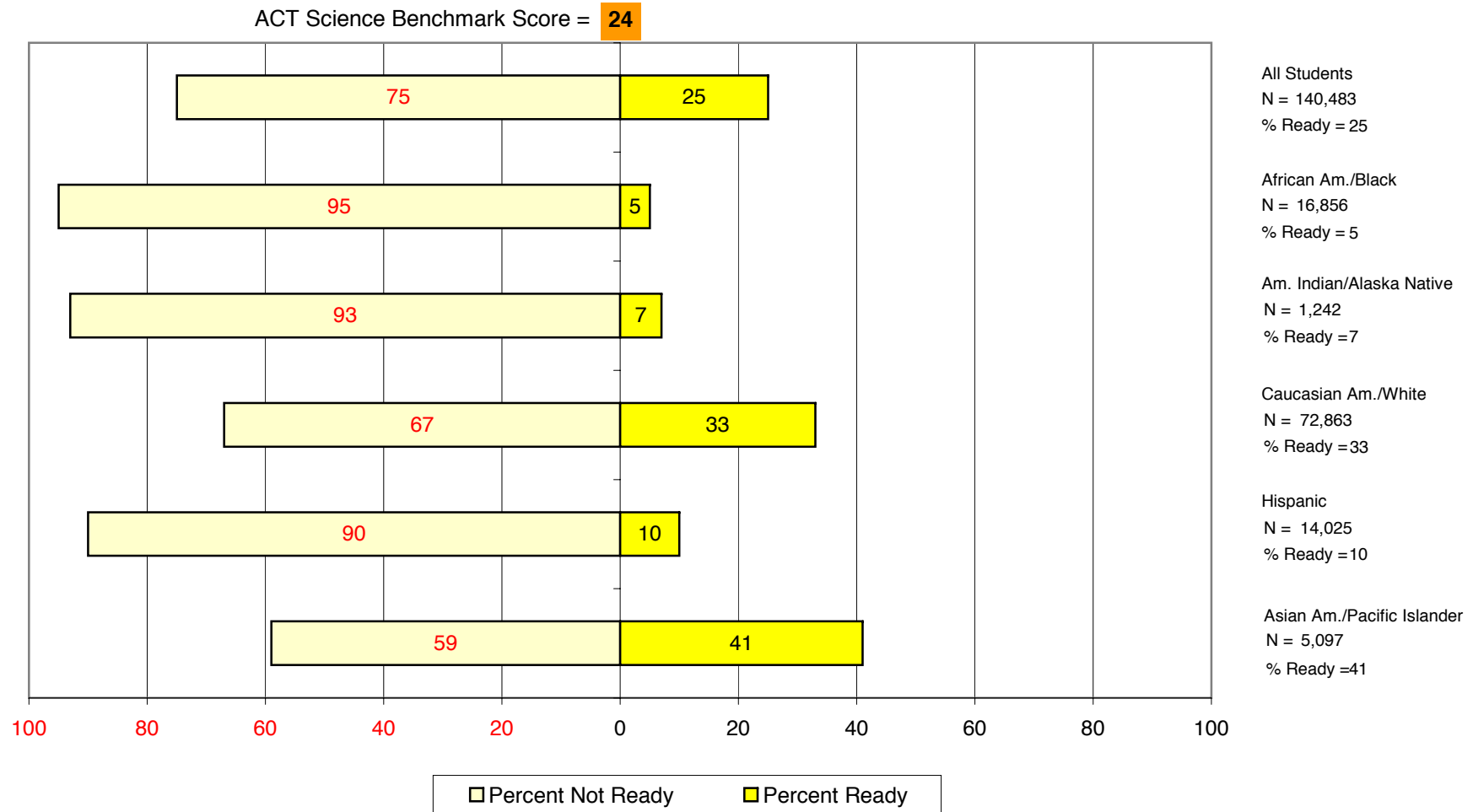


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

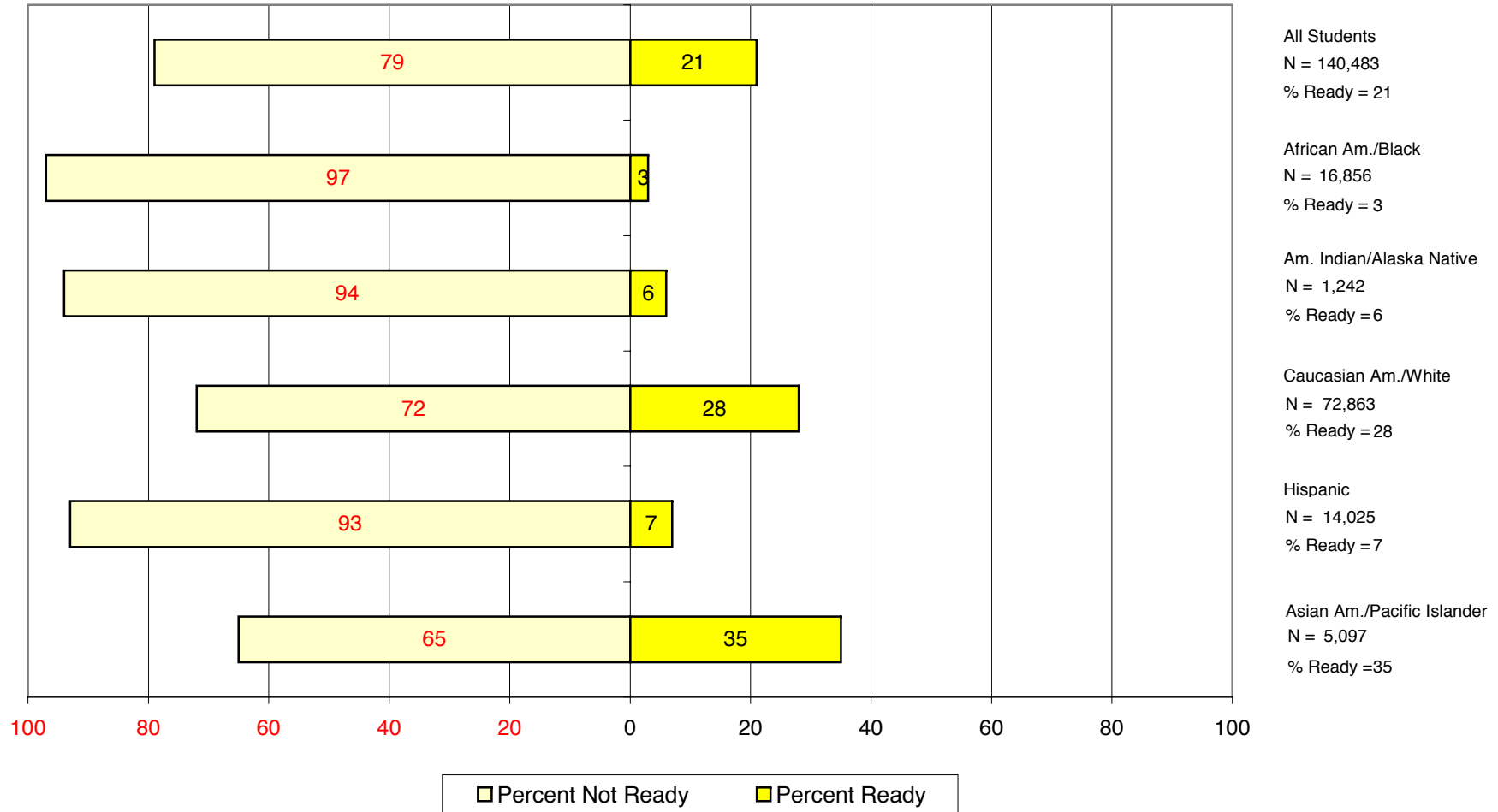


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

Course Pattern	All Students				Males				Females			
	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹	N	Percent	ACT English	Course Value Added ¹
ENGLISH COURSE PATTERN												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	21,554	15	22.0	4.0	8,517	13	21.6	4.1	12,513	18	22.3	3.9
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	76,418	54	20.5	2.5	35,996	55	20.2	2.7	38,495	55	20.6	2.2
Less than 4 years of English	19,361	14	18.0	-	10,147	16	17.5	-	8,616	12	18.4	-
No English course/grade information reported	23,150	16	19.8	-	10,314	16	19.0	-	10,481	15	19.9	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	8,218	6	25.0	8.0	3,890	6	25.6	8.3	4,070	6	24.3	7.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	10,631	8	22.7	5.7	4,127	6	23.4	6.1	6,172	9	22.2	5.6
Alg 1, Alg 2, Geom, & Trig	15,489	11	19.9	2.9	6,722	10	20.6	3.3	8,345	12	19.4	2.8
Alg 1, Alg 2, Geom, & Other Adv Math	10,518	7	20.9	3.9	4,327	7	21.4	4.1	5,905	8	20.5	3.9
Other comb of 4 or more years of Math	19,290	14	24.7	7.7	9,825	15	25.3	8.0	8,900	13	23.9	7.3
Alg 1, Alg 2, & Geom (Min. Core)	23,351	17	18.0	1.0	10,613	16	18.4	1.1	12,270	18	17.7	1.1
Other comb of 3 or 3.5 years of Math	5,896	4	20.8	3.8	2,991	5	21.3	4.0	2,764	4	20.2	3.6
Less than 3 years of Math	23,185	17	17.0	-	11,765	18	17.3	-	10,882	16	16.6	-
No Math course/grade information reported	23,905	17	20.1	-	10,714	16	20.2	-	10,797	15	19.4	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	2,163	2	21.9	3.0	1,076	2	21.7	2.9	1,020	1	21.9	2.9
Other comb of 4 or more years Social Science	32,461	23	21.9	3.0	14,349	22	21.9	3.1	17,269	25	21.9	2.9
US Hist, World Hist, & Am Gov (Min. Core)	5,629	4	19.3	0.4	2,946	5	19.1	0.3	2,561	4	19.5	0.5
Other comb of 3 or 3.5 years of Social Science	39,640	28	21.2	2.3	17,898	28	21.1	2.3	20,761	30	21.2	2.2
Less than 3 years of Social Science	36,483	26	18.9	-	17,914	28	18.8	-	17,591	25	19.0	-
No Soc Sci course/grade information reported	24,107	17	20.0	-	10,791	17	19.5	-	10,903	16	19.9	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	27,044	19	21.7	3.4	13,079	20	22.2	3.9	13,115	19	21.1	2.9
Bio, Chem, Phys	22,846	16	23.9	5.6	10,834	17	24.6	6.3	11,266	16	23.3	5.1
Gen Sci ² , Bio, Chem (Min. Core)	29,312	21	19.4	1.1	11,901	18	19.7	1.4	16,779	24	19.2	1.0
Other comb of 3 years of Natural Science	3,667	3	18.6	0.3	1,942	3	19.2	0.9	1,666	2	17.9	-0.3
Less than 3 years of Natural Science	33,293	24	18.3	-	16,335	25	18.3	-	16,288	23	18.2	-
No Nat Sci course/grade information reported	24,321	17	20.0	-	10,883	17	20.0	-	10,991	16	19.5	-

¹Course value added is defined as the average ACT score change compared to a less than core course sequence.

²Includes 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
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	21,554	15	22.0	77	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	76,418	54	20.5	67	766,001	59	20.5	68
Less than 4 years of English	19,361	14	18.0	50	141,777	11	19.7	64
No English course/grade information reported	23,150	16	19.8	61	201,619	16	20.7	69
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	8,218	6	25.0	73	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	10,631	8	22.7	61	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	15,489	11	19.9	36	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	10,518	7	20.9	44	163,562	13	20.4	38
Other comb of 4 or more years of Math	19,290	14	24.7	69	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	23,351	17	18.0	16	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	5,896	4	20.8	42	57,945	4	20.9	43
Less than 3 years of Math	23,185	17	17.0	11	145,617	11	18.3	21
No Math course/grade information reported	23,905	17	20.1	36	211,787	16	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	2,163	2	21.9	55	31,985	2	22.7	61
Other comb of 4 or more years Social Science	32,461	23	21.9	57	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	5,629	4	19.3	39	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	39,640	28	21.2	52	333,689	26	21.4	52
Less than 3 years of Social Science	36,483	26	18.9	36	201,605	16	20.6	47
No Soc Sci course/grade information reported	24,107	17	20.0	43	212,012	16	21.5	53
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	27,044	19	21.7	35	333,648	26	22.4	40
Bio, Chem, Phys	22,846	16	23.9	51	115,297	9	23.4	48
Gen Sci ¹ , Bio, Chem (Min. Core)	29,312	21	19.4	15	353,348	27	20.2	20
Other comb of 3 years of Natural Science	3,667	3	18.6	13	32,593	3	20.4	24
Less than 3 years of Natural Science	33,293	24	18.3	11	247,312	19	19.1	15
No Nat Sci course/grade information reported	24,321	17	20.0	25	218,401	17	20.9	29

¹Includes 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 ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture Sciences & Technologies	1,640	1	17.9	460	4	16.1	1,047	1	18.8
Architecture & Environmental Design	2,410	2	20.1	286	2	16.3	1,969	2	20.9
Business & Management	9,999	7	20.7	784	6	16.5	8,721	10	21.2
Business & Office	604	0	18.8	128	1	16.5	440	1	19.5
Marketing & Distribution	756	1	19.8	70	1	15.8	640	1	20.4
Communications & Comm. Technologies	2,864	2	21.3	209	2	16.5	2,495	3	21.8
Community & Personal Services	5,061	4	18.0	1,146	9	16.3	3,445	4	18.7
Computer & Information Sciences	2,473	2	20.5	323	3	17.1	1,986	2	21.3
Cross-Disciplinary Studies	101	0	21.9	6	0	15.7	85	0	22.6
Education	4,397	3	20.9	213	2	16.6	3,972	5	21.2
Teacher Education	3,148	2	20.7	137	1	15.9	2,853	3	21.1
Engineering	4,758	3	21.5	693	6	15.9	3,758	4	22.8
Engineering-Related Technologies	2,561	2	20.8	460	4	16.3	1,942	2	22.0
Foreign Languages	475	0	23.3	37	0	16.0	408	0	24.3
Health Sciences & Allied Health Fields	15,670	11	20.3	1,421	12	16.5	13,460	16	20.9
Human, Family & Consumer Science	2,018	1	17.9	410	3	16.2	1,438	2	18.5
Letters	708	1	24.1	27	0	18.0	638	1	24.6
Mathematics	523	0	24.7	24	0	17.2	468	1	25.5
Philosophy, Religion & Theology	483	0	22.6	20	0	19.5	428	1	22.9
Sciences (Biological & Physical)	3,923	3	23.8	77	1	17.6	3,659	4	24.1
Social Sciences	6,771	5	22.0	185	2	17.1	6,290	7	22.2
Trade & Industrial	2,783	2	17.9	1,496	12	17.3	1,059	1	19.0
Visual & Performing Arts	8,061	6	20.0	1,092	9	16.6	6,263	7	20.8
Undecided	12,594	9	20.9	1,468	12	16.1	9,862	12	21.9
No Response	45,702	33	20.4	941	8	15.0	8,201	10	22.7

¹2-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*.

²Percent of students tested.

Table 4.2. Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African-Am./ Black		Am. Indian/ Alaska Native		Caucasian-Am./ White		Hispanic		Asian-Am./ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	3,485	16.4	402	14.7	91	14.7	2,015	17.0	524	15.6	52	15.7	401	16.4
2-yr College Degree	8,628	16.4	1,202	14.5	197	15.7	4,435	17.4	1,628	15.3	153	15.7	1,013	16.1
Bachelors Degree	37,462	20.2	3,773	16.3	391	17.8	24,132	21.3	3,781	17.7	956	20.4	4,429	20.0
Graduate Study	20,057	23.0	1,984	18.2	126	19.8	12,872	24.1	1,558	19.7	873	23.7	2,644	23.1
Prof. Level Degree	28,008	22.2	4,230	18.0	216	19.1	14,421	23.7	3,203	19.3	1,871	24.7	4,067	22.3
Other	4,959	17.4	835	15.5	96	15.2	2,337	18.4	655	16.2	159	18.2	877	17.5
No Response	37,884	20.0	4,430	16.8	125	15.8	12,651	22.1	2,676	18.0	1,033	23.0	16,969	19.5

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 ILLINOIS-URBANA CHAMPAIGN	Illinois	20,724	8,436	12,288	0	4	15	26	30	21	3
STATE-COLLEGE/NO REPORTS NOW	Iowa	19,535	19,264	271	6	23	33	22	11	5	1
NORTHERN ILLINOIS UNIVERSITY	Illinois	16,067	4,689	11,378	2	12	31	33	17	5	0
ILLINOIS STATE UNIVERSITY	Illinois	13,652	3,881	9,771	1	7	25	36	23	7	0
UNIVERSITY OF ILLINOIS AT CHICAGO	Illinois	13,251	4,030	9,221	2	12	28	30	20	8	1
SOUTHERN ILLINOIS UNIV-CARBONDALE	Illinois	11,196	2,629	8,567	2	12	33	33	16	5	0
EASTERN ILLINOIS UNIVERSITY	Illinois	8,059	1,940	6,119	1	9	32	37	17	4	0
DE PAUL UNIVERSITY	Illinois	7,535	2,051	5,484	2	12	28	30	20	7	1
WESTERN ILLINOIS UNIVERSITY	Illinois	7,133	1,752	5,381	1	10	34	36	15	3	0
LOYOLA UNIVERSITY OF CHICAGO	Illinois	7,048	1,579	5,469	1	10	26	30	22	10	1
SOUTHERN ILLINOIS UNIV-EDWARDSVILLE	Illinois	5,768	1,613	4,155	2	9	31	33	19	6	0
UNIVERSITY OF CHICAGO	Illinois	5,019	1,117	3,902	2	13	26	23	17	15	4
COLUMBIA COLLEGE CHICAGO	Illinois	3,859	1,641	2,218	3	16	32	29	15	5	0
BRADLEY UNIVERSITY	Illinois	3,822	946	2,876	1	7	18	29	29	15	1
NORTHWESTERN UNIVERSITY	Illinois	3,505	865	2,640	0	2	10	17	26	35	10
UNIVERSITY OF IOWA	Iowa	3,180	717	2,463	0	3	13	30	35	17	1
NORTHEASTERN ILLINOIS UNIVERSITY	Illinois	3,143	645	2,498	4	23	39	24	9	2	0
STATE-NO COLLEGE PLANS	Iowa	2,933	2,858	75	16	37	33	10	3	1	0
PURDUE UNIVERSITY	Indiana	2,463	401	2,062	0	2	8	22	36	28	4
UNIV OF WISCONSIN-MADISON	Wisconsin	2,460	408	2,052	0	2	10	20	34	29	4
ROBERT MORRIS COLLEGE-CHICAGO	Illinois	2,250	560	1,690	6	32	41	17	4	1	0
CHICAGO STATE UNIVERSITY	Illinois	2,210	698	1,512	7	34	39	14	4	1	0
ILLINOIS INSTITUTE OF ART THE	Illinois	2,200	569	1,631	4	21	35	26	13	2	0
AUGUSTANA COLLEGE	Illinois	2,147	561	1,586	1	5	17	31	29	16	2
COLLEGE OF DU PAGE	Illinois	2,114	1,001	1,113	4	18	36	28	12	3	0
ILLINOIS CENTRAL COLLEGE	Illinois	2,114	1,163	951	4	18	35	27	11	3	0
MICHIGAN STATE UNIVERSITY	Michigan	2,062	436	1,626	2	13	26	25	21	11	1
MARQUETTE UNIVERSITY	Wisconsin	2,036	415	1,621	0	5	12	27	32	21	2
DEVRY UNIVERSITY-CHICAGO IL	Illinois	1,975	491	1,484	6	29	39	18	6	1	0
UNIVERSITY OF ILLINOIS-SPRINGFIELD	Illinois	1,920	292	1,628	1	10	30	33	19	6	0
All Other Institutions		162,483	43,922	118,561	3	15	29	25	17	9	2
Total		343,863	111,570	232,293	3	14	28	27	18	9	2

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
All Students	33,850	532,943	25.0	22.3	8.1	7.6	24.2	21.8
African Am./Black	2,480	50,340	20.4	17.2	7.2	6.7	20.1	17.3
Am. Indian/Alaska Native	50	3,462	25.2	19.8	8.0	7.0	24.3	19.4
Caucasian Am./White	20,630	308,578	25.6	23.4	8.2	7.6	24.8	22.6
Hispanic	2,160	42,588	22.0	18.8	7.8	7.3	21.8	19.0
Asian Am./Pacific Islander	2,237	25,616	25.8	23.2	8.3	8.0	25.1	22.8
Other/No Response	6,293	102,359	25.3	23.2	8.2	7.8	24.6	22.7
Males	13,720	204,427	24.7	22.0	7.9	7.3	23.8	21.3
Females	17,393	285,556	25.1	22.5	8.3	7.7	24.5	22.1
Missing	2,737	42,960	25.0	23.0	8.1	7.8	24.3	22.6

