

ACT High School Profile Report

The Graduating Class of 2008
National



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This report provides information about the performance of your 2008 graduating seniors who took the ACT as sophomores, juniors, or seniors; and self-reported at the time of testing that they were scheduled to graduate in 2008 and tested under standard time conditions.

This report focuses on :

Performance - student test performance in the context of college readiness

Access - number of your graduates exposed to college entrance testing and the percent of race/ethnicity participation

Course Selection - percent of students pursuing a core curriculum

Course Rigor - impact of rigorous coursework on achievement

College Readiness - percent of students meeting ACT College Readiness Benchmark Scores in each content area

Awareness - extent to which student aspirations match performance

Articulation - colleges and universities to which your students send test results

Each year, the graduating class data for a school, district, state, and the nation represents a different cohort of students. ACT encourages educators to focus on trends (3, 5, 10 years), not year-to-year changes. Such changes can represent normal – even expected – fluctuations. On the other hand, trend lines offer more insight into what is happening in a school, district, state, or the nation.

Further, ACT encourages educators to measure student performance in the context of college readiness measures. The focus should be on the number and percentage of students meeting or exceeding ACT's College Readiness Benchmark Scores, a measure that is much more meaningful and understandable than an average composite score for a group of students.

The ACT is a curriculum-based measure of college readiness. ACT components include:

- Tests of academic achievement in English, math, reading, science, and writing (optional)
- High school grade and course information
- Student Profile Section
- Career Interest Inventory

The ACT:

Every few years, ACT conducts the **ACT National Curriculum Survey** to ensure its curriculum-based assessment tools accurately measure the skills high school teachers teach and instructors of entry-level college courses expect. The ACT is the only college readiness test designed to reflect the results of such a survey.

ACT's **College Readiness Standards** are sets of statements intended to help students, parents and educators understand the meaning of test scores. The standards relate test scores to the types of skills needed for success in high school and beyond. They serve as a direct link between what students have learned and what they are ready to do next. The ACT is the only college readiness test for which scores can be tied directly to standards.

Only the ACT reports **College Readiness Benchmark Scores** – A benchmark score is the minimum score needed on an ACT subject-area test to indicate a 50% chance of obtaining a B or higher or about a 75% chance of obtaining a C or higher in the corresponding credit-bearing college courses, which include English Composition, Algebra, Social Science and Biology. These scores were empirically derived based on the actual performance of students in college. The College Readiness Benchmark Scores are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	21
Biology	Science	24

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

22% of 2008 graduates met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT. 1,421,941 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. 61% 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 9% of the cohort took less than three years of math courses. Of these students, 14% were college ready. 18% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 14% of these students were college ready. In comparison, 54% 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 18% of the cohort took less than three years of natural science courses. 13% of these students were college ready. In comparison, 32% 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 47% 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.

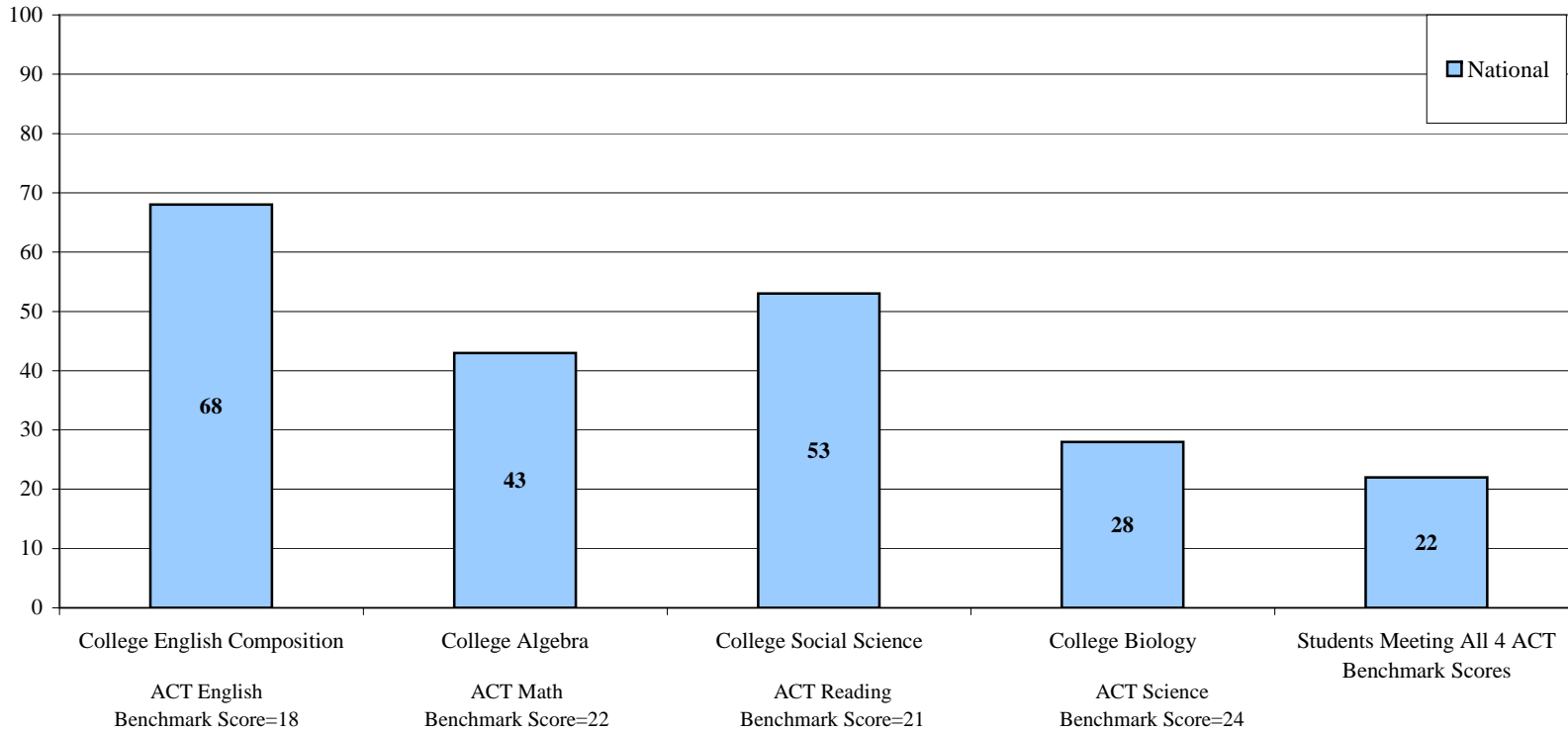
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 1-800-553-6244 x1726.

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 National	Percent Meeting Benchmarks				
		English National	Mathematics National	Reading National	Science National	Meeting All Four National
2004	1,171,460	68	40	52	26	21
2005	1,186,251	68	41	51	26	21
2006	1,206,455	69	42	53	27	21
2007	1,300,599	69	43	53	28	23
2008	1,421,941	68	43	53	28	22

Table 1.2. Five Year Trends—Average ACT Scores (this table omitted in National report)

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2004	1,171,460	20.4	20.7	21.3	20.9	20.9
2005	1,186,251	20.4	20.7	21.3	20.9	20.9
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
2007	1,300,599	20.7	21.0	21.5	21.0	21.2
2008	1,421,941	20.6	21.0	21.4	20.8	21.1

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
2004	661,290	405,328	56	35	21.5	18.7	21.7	19.1	22.3	19.8	21.7	19.6	21.9	19.4
2005	658,430	406,763	56	34	21.6	18.8	21.7	19.1	22.2	19.8	21.7	19.6	21.9	19.5
2006	647,298	413,888	54	34	21.6	19.0	21.8	19.4	22.3	20.1	21.7	19.7	22.0	19.7
2007	659,603	444,906	51	34	21.7	19.2	21.9	19.6	22.4	20.2	21.8	19.8	22.0	19.8
2008	873,743	431,748	61	30	21.6	18.8	21.9	19.3	22.3	19.9	21.6	19.4	22.0	19.5

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

	2004			2005			2006			2007			2008		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	1,171,460	100	20.9	1,186,251	100	20.9	1,206,455	100	21.1	1,300,599	100	21.2	1,421,941	100	21.1
African American/Black	131,925	11	17.1	138,964	12	17.0	139,118	12	17.1	152,412	12	17.0	178,417	13	16.9
American Indian/Alaska Native	12,507	1	18.8	13,695	1	18.7	13,635	1	18.8	14,044	1	18.9	14,380	1	19.0
Caucasian American/White	787,870	67	21.8	781,581	66	21.9	760,084	63	22.0	779,147	60	22.1	895,588	63	22.1
Hispanic	78,584	7	18.5	83,447	7	18.6	85,796	7	18.6	93,137	7	18.7	114,697	8	18.7
Asian American/Pacific Islander	39,337	3	21.9	39,284	3	22.1	39,867	3	22.3	42,257	3	22.6	51,368	4	22.9
Other/No Response	121,237	10	20.9	129,280	11	20.9	167,955	14	21.1	219,602	17	21.6	167,491	12	21.7

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	1,933	100	3,986	100	8,720	100	3,290	100	428	100	36
35	14,906	100	8,419	100	12,718	99	6,174	100	2,872	100	35
34	19,729	99	11,023	99	16,801	98	6,837	99	6,358	100	34
33	16,167	97	16,931	98	25,559	97	10,198	99	10,583	99	33
32	17,946	96	14,241	97	28,434	96	9,056	98	15,555	99	32
31	23,171	95	15,010	96	35,616	94	11,878	97	21,423	97	31
30	31,068	93	27,134	95	45,177	91	17,877	97	28,948	96	30
29	35,774	91	34,699	93	43,139	88	20,490	95	35,725	94	29
28	38,378	89	47,610	91	50,730	85	30,645	94	44,964	91	28
27	41,049	86	56,088	87	48,428	81	41,257	92	54,298	88	27
26	55,203	83	67,473	83	49,961	78	55,689	89	63,329	84	26
25	70,411	79	79,917	79	59,976	74	96,271	85	74,021	80	25
24	71,287	74	80,376	73	72,674	70	88,715	78	84,038	75	24
23	74,247	69	75,582	67	93,596	65	94,850	72	92,044	69	23
22	92,653	64	66,760	62	70,380	58	126,005	65	99,676	62	22
21	112,808	58	80,698	57	87,068	53	107,325	56	105,855	55	21
20	103,409	50	71,282	52	92,282	47	146,374	49	106,902	48	20
19	79,661	42	86,573	47	96,602	41	125,921	39	102,884	40	19
18	73,182	37	107,675	41	61,758	34	96,254	30	99,925	33	18
17	71,768	32	124,156	33	76,646	30	72,277	23	91,454	26	17
16	68,499	27	147,887	24	77,294	24	65,333	18	81,654	20	16
15	77,802	22	114,531	14	72,557	19	46,311	13	70,135	14	15
14	55,524	16	54,102	6	62,283	14	39,867	10	56,097	9	14
13	42,326	12	19,947	2	56,305	9	35,158	7	39,305	5	13
12	34,158	9	6,808	1	37,140	5	28,003	5	22,021	2	12
11	30,798	7	1,847	1	20,864	3	18,939	3	8,263	1	11
10	27,978	5	728	1	11,281	1	11,748	1	2,152	1	10
9	18,215	3	219	1	3,619	1	5,340	1	678	1	9
8	12,809	2	99	1	1,890	1	2,192	1	226	1	8
7	6,103	1	31	1	1,292	1	886	1	84	1	7
6	1,983	1	55	1	487	1	423	1	28	1	6
5	675	1	11	1	405	1	136	1	12	1	5
4	214	1	31	1	123	1	82	1	3	1	4
3	71	1	1	1	49	1	94	1	1	1	3
2	23	1	2	1	66	1	2	1	0	1	2
1	13	1	9	1	21	1	44	1	0	1	1
Avg (SD)	20.6 (6.1)		21.0 (5.2)		21.4 (6.1)		20.8 (4.9)		21.1 (5.0)		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	47,080	100	8,989	100	35,044	100	37,386	100	62,496	100	10,820	100	12,853	100	18
17	54,848	97	33,524	99	59,826	98	74,270	97	64,098	96	21,641	99	5,895	99	17
16	63,662	93	64,414	97	70,863	93	102,137	92	74,509	91	29,404	98	53,825	99	16
15	58,856	88	96,294	92	88,653	88	101,903	85	68,394	86	48,203	96	60,398	95	15
14	77,959	84	80,771	86	79,826	82	102,909	78	104,025	81	116,751	92	128,637	91	14
13	101,322	79	114,783	80	120,121	76	76,260	71	117,894	74	117,075	84	113,220	82	13
12	99,999	72	166,300	72	115,336	68	126,634	65	122,424	65	133,376	76	157,468	74	12
11	134,185	65	162,153	60	139,038	60	143,033	56	119,295	57	187,297	66	150,869	63	11
10	160,755	55	189,739	49	143,869	50	125,694	46	143,998	48	238,412	53	217,936	52	10
9	137,805	44	137,707	36	159,208	40	117,844	37	103,727	38	196,815	36	175,325	37	9
8	124,803	34	133,273	26	164,467	29	112,769	29	176,172	31	137,348	23	126,788	24	8
7	107,083	25	90,471	16	98,809	17	93,310	21	157,973	19	56,891	13	90,732	15	7
6	96,179	18	56,356	10	75,987	10	78,992	15	72,172	8	59,150	9	44,733	9	6
5	69,213	11	42,454	6	32,661	5	80,162	9	21,093	2	35,509	5	38,202	6	5
4	53,297	6	30,936	3	20,110	3	32,127	3	9,037	1	16,118	2	17,146	3	4
3	24,565	2	10,893	1	11,795	1	11,470	1	3,168	1	12,651	1	18,997	2	3
2	9,301	1	2,559	1	4,539	1	4,788	1	1,225	1	1,428	1	5,335	1	2
1	1,029	1	325	1	1,789	1	253	1	241	1	3,052	1	3,582	1	1
Avg (SD)	10.3 (3.8)		10.7 (3.2)		10.8 (3.5)		10.9 (3.8)		11.0 (3.5)		10.5 (2.9)		10.5 (3.1)		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)	25	25	26	24	25
Q2 (50th Percentile)	21	20	21	21	21
Q1 (25th Percentile)	16	17	17	18	17

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
National	All Students	1,421,941	61	22.0	19.5
	African Am./Black	178,417	58	17.7	16.0
	Am. Indian/Alaska Native	14,380	53	20.3	17.6
	Caucasian Am./White	895,588	64	22.9	20.4
	Hispanic	114,697	60	19.6	17.4
	Asian Am./Pacific Islander	51,368	71	23.4	21.4
	Other/No Response	167,491	52	22.5	20.1

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
National	All Students	20.6	21.0	21.4	20.8	21.1
	African Am./Black	16.1	17.0	17.0	17.2	16.9
	Am. Indian/Alaska Native	18.1	18.8	19.6	19.2	19.0
	Caucasian Am./White	21.7	21.8	22.5	21.7	22.1
	Hispanic	17.7	19.0	18.9	18.7	18.7
	Asian Am./Pacific Islander	22.1	24.1	22.4	22.3	22.9
	Other/No Response	21.2	21.7	22.1	21.2	21.7

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
National	33 to 36	52,735	4	40,359	3	63,798	4	26,499	2
	28 to 32	146,337	10	138,694	10	203,096	14	89,946	6
	24 to 27	237,950	17	283,854	20	231,039	16	281,932	20
	20 to 23	383,117	27	294,322	21	343,326	24	474,554	33
	16 to 19	293,110	21	466,291	33	312,300	22	359,785	25
	13 to 15	175,652	12	188,580	13	191,145	13	121,336	9
	01 to 12	133,040	9	9,841	1	77,237	5	67,889	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
National	Males	625,887	44	20.1	21.6	21.2	21.3	21.2
	Females	764,282	54	21.0	20.4	21.5	20.4	21.0
	Missing	31,772	2	22.8	23.3	23.6	22.4	23.1

Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students				Meet All Four
		English	Math	Reading	Science	
National	Males	65	47	51	32	26
	Females	70	38	53	24	19

Table 2.9. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Overall High School Curriculum

Student Group	Curriculum Taken ²	N	English		Mathematics		Reading		Science		Composite ¹	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg
National	Core	873,743	75	21.6	50	21.9	59	22.3	33	21.6	27	22.0
	Non-Core	431,748	56	18.8	29	19.3	41	19.9	18	19.4	14	19.5
	Missing	116,450	62	19.9	42	20.8	48	20.8	27	20.3	23	20.6

¹% under Composite heading reflects the percent of students who meet all four benchmarks

²"Curriculum Taken" reflects overall high school curriculum.

For instance, "Core" results correspond to students taking four years of English AND three years each of math, social studies, and natural science.

Table 2.10. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Content-Specific Curriculum

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
National	Core	1,216,115	70	20.8	1,192,135	46	21.4	1,137,832	54	21.6	1,063,049	32	21.4
	Non-Core	111,558	57	18.8	124,104	14	17.4	183,026	45	20.4	253,561	13	18.7
	Missing	94,268	64	20.2	105,702	42	20.8	101,083	50	21.1	105,331	28	20.5

¹"Curriculum Taken" reflects content-specific curriculum.

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

Section III

College Readiness and the Impact of Course Rigor

Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH

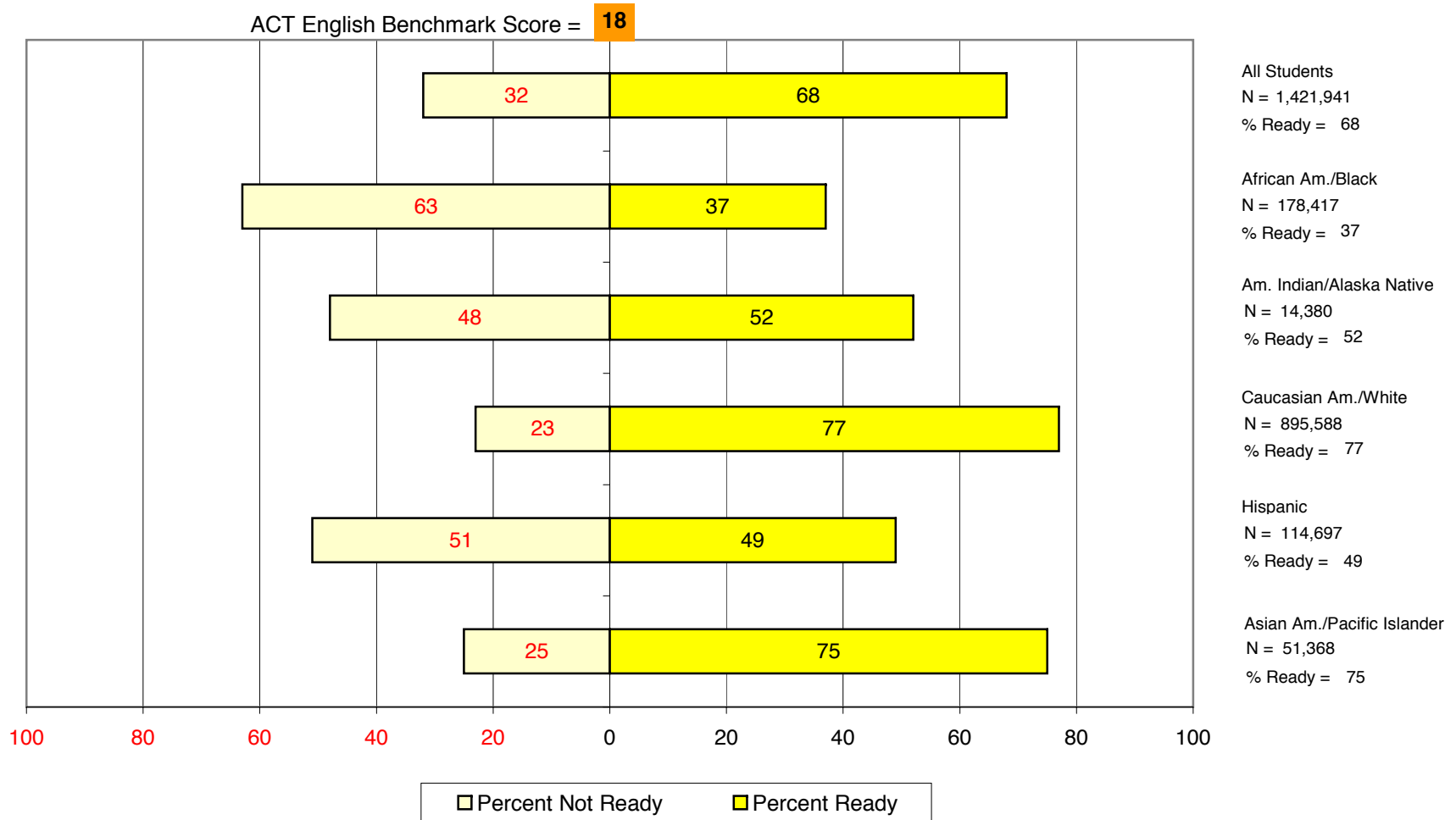


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

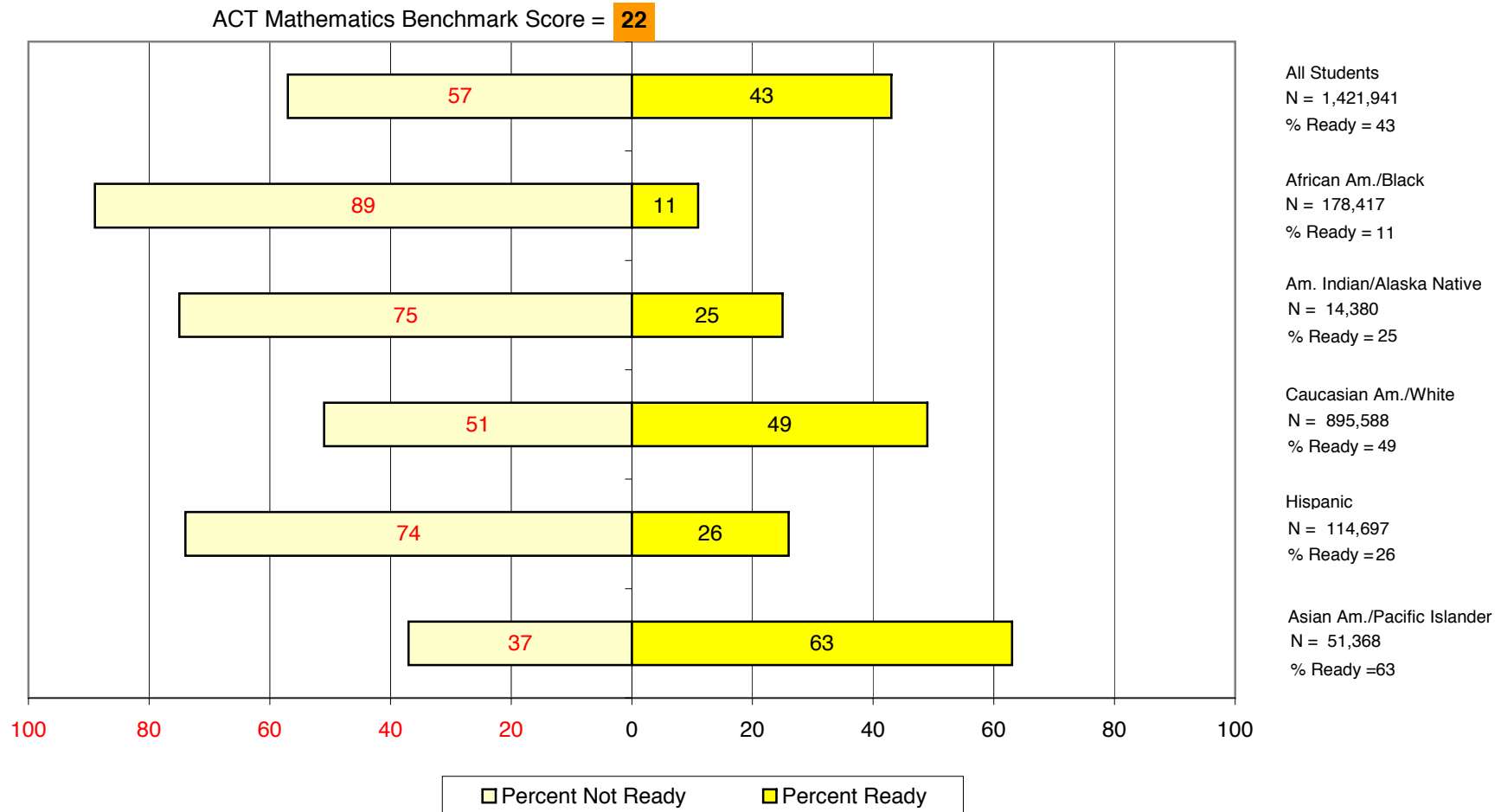


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

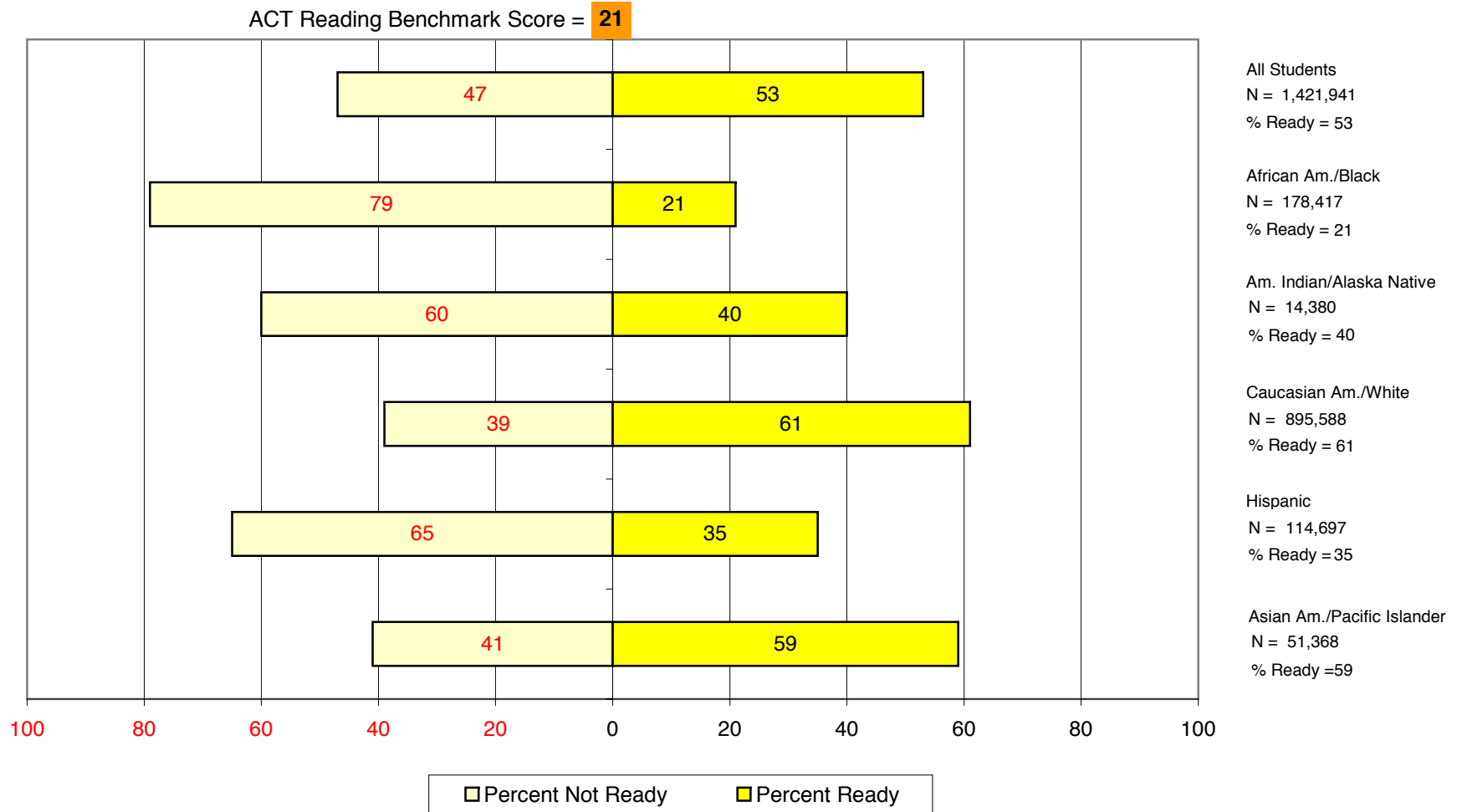


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

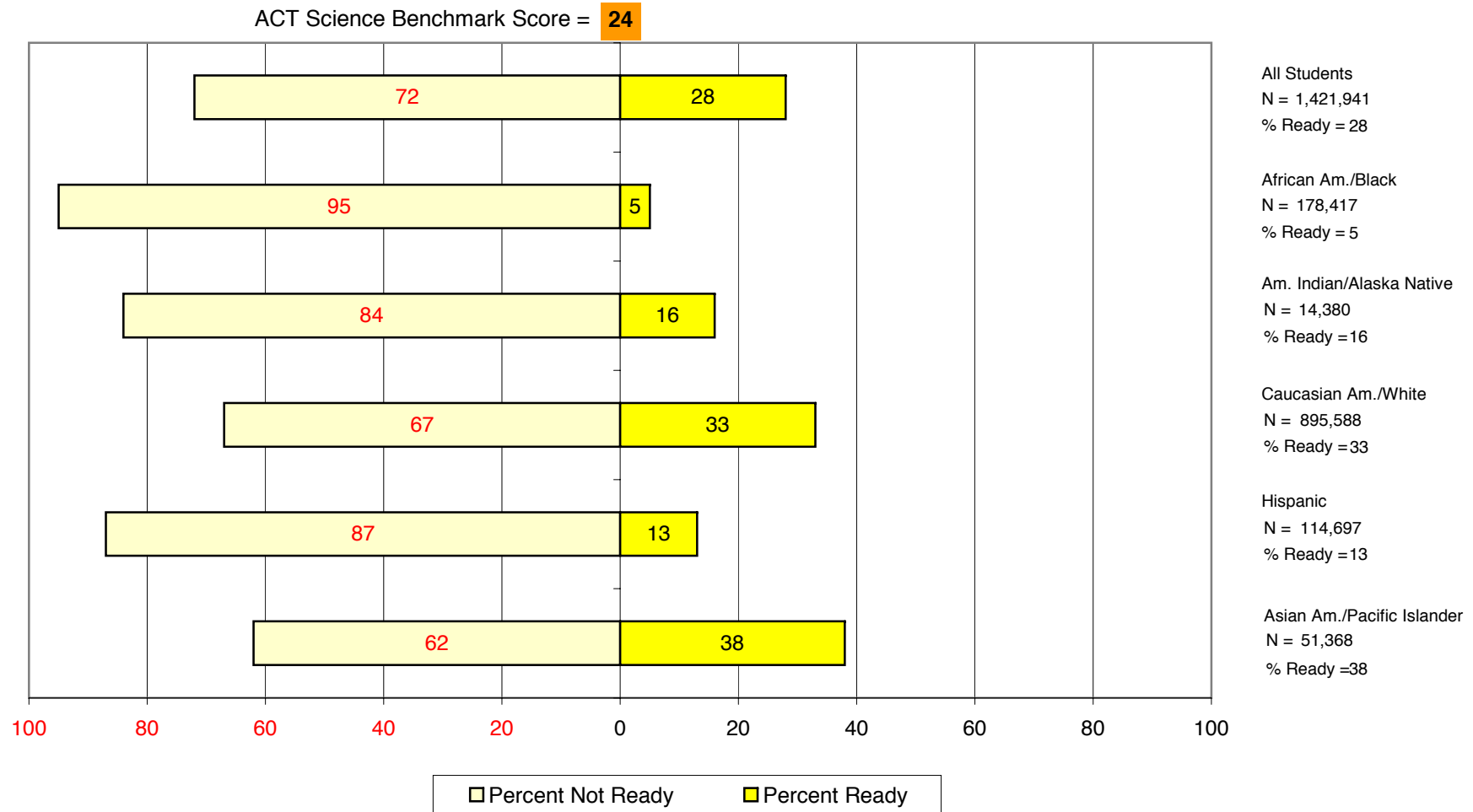


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

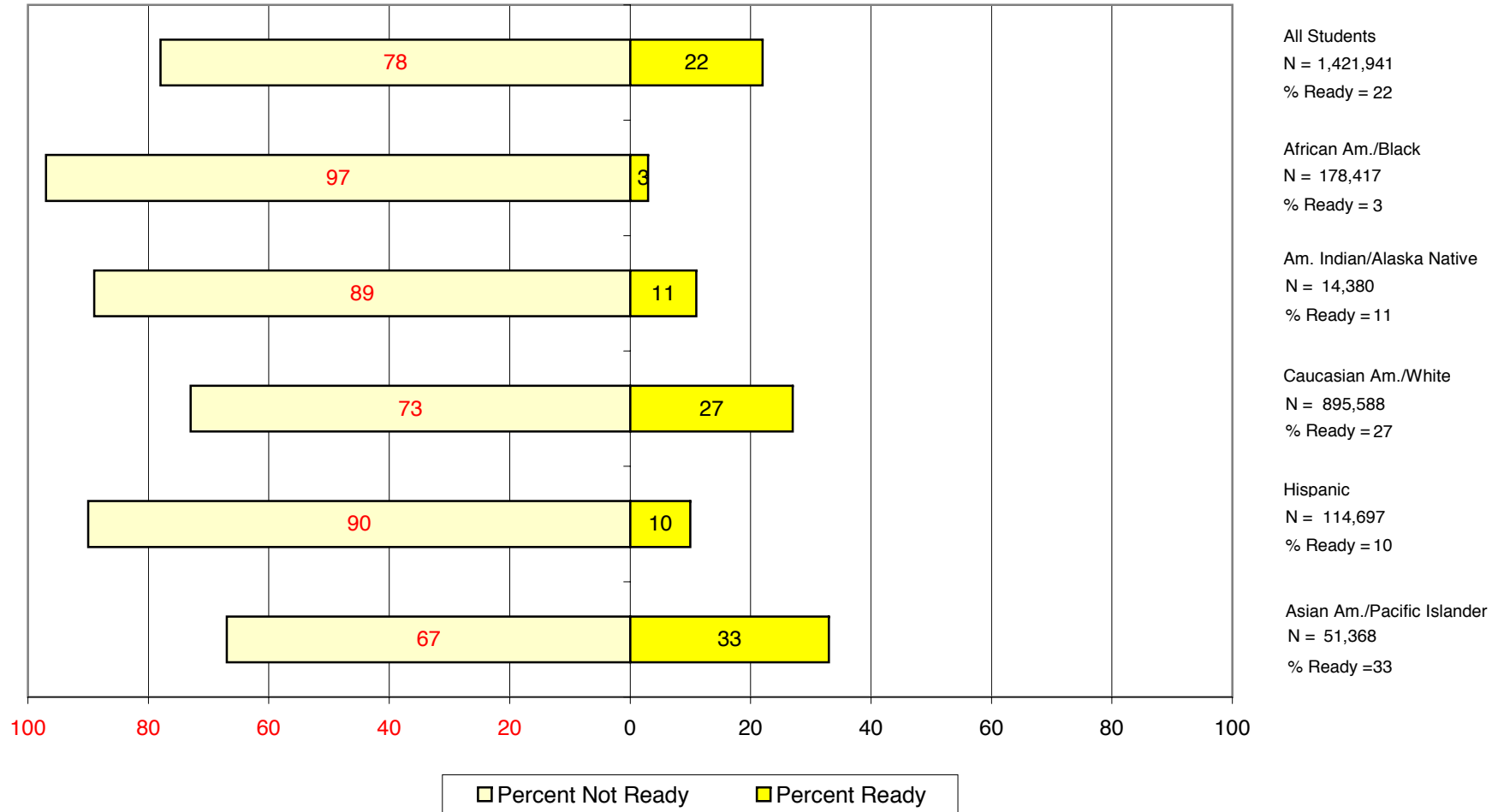


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	266,394	19	21.8	3.0	105,493	17	21.2	2.9	157,480	21	22.2	3.0
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	949,721	67	20.5	1.7	421,840	67	20.2	1.9	514,647	67	20.8	1.6
Less than 4 years of English	112,496	8	18.8	-	55,297	9	18.3	-	53,115	7	19.2	-
No English course/grade information reported	93,330	7	20.2	-	43,257	7	19.3	-	39,040	5	20.3	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	91,985	6	24.8	7.4	41,125	7	25.6	8.0	48,922	6	24.1	7.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	113,879	8	22.3	4.9	42,810	7	23.0	5.4	69,373	9	21.8	4.7
Alg 1, Alg 2, Geom, & Trig	116,105	8	20.4	3.0	48,508	8	21.0	3.4	65,660	9	19.8	2.7
Alg 1, Alg 2, Geom, & Other Adv Math	204,909	14	20.4	3.0	77,443	12	20.9	3.3	124,848	16	20.0	2.9
Other comb of 4 or more years of Math	342,493	24	23.9	6.5	166,750	27	24.6	7.0	170,218	22	23.2	6.1
Alg 1, Alg 2, & Geom (Min. Core)	251,813	18	17.8	0.4	107,028	17	18.2	0.6	141,743	19	17.4	0.3
Other comb of 3 or 3.5 years of Math	70,951	5	20.8	3.4	33,674	5	21.2	3.6	36,140	5	20.4	3.3
Less than 3 years of Math	131,252	9	17.4	-	62,878	10	17.6	-	65,899	9	17.1	-
No Math course/grade information reported	98,554	7	21.1	-	45,671	7	21.1	-	41,479	5	20.2	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	42,546	3	22.7	2.3	20,891	3	22.4	2.3	21,001	3	23.0	2.5
Other comb of 4 or more years Social Science	604,055	42	21.9	1.5	254,910	41	21.8	1.7	340,952	45	21.9	1.4
US Hist, World Hist, & Am Gov (Min. Core)	86,500	6	20.8	0.4	41,450	7	20.7	0.6	43,890	6	20.9	0.4
Other comb of 3 or 3.5 years of Social Science	404,731	28	21.3	0.9	175,077	28	21.2	1.1	224,203	29	21.3	0.8
Less than 3 years of Social Science	185,561	13	20.4	-	87,752	14	20.1	-	92,960	12	20.5	-
No Soc Sci course/grade information reported	98,548	7	21.1	-	45,807	7	20.6	-	41,276	5	21.0	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	453,654	32	22.2	3.5	215,925	34	22.8	4.1	230,095	30	21.5	2.9
Bio, Chem, Phys	134,033	9	23.2	4.5	60,760	10	24.0	5.3	70,582	9	22.4	3.8
Gen Sci ² , Bio, Chem (Min. Core)	435,183	31	20.1	1.4	165,200	26	20.3	1.6	264,473	35	20.0	1.4
Other comb of 3 years of Natural Science	40,179	3	20.1	1.4	22,014	4	20.7	2.0	17,668	2	19.3	0.7
Less than 3 years of Natural Science	259,142	18	18.7	-	115,674	18	18.7	-	139,649	18	18.6	-
No Nat Sci course/grade information reported	99,750	7	20.6	-	46,314	7	20.5	-	41,815	5	20.0	-

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	National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN				
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	949,721	67	20.5	68
Less than 4 years of English	112,496	8	18.8	56
No English course/grade information reported	93,330	7	20.2	64
MATHEMATICS COURSE PATTERN				
Alg 1, Alg 2, Geom, Trig, & Calc	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	204,909	14	20.4	38
Other comb of 4 or more years of Math	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	70,951	5	20.8	41
Less than 3 years of Math	131,252	9	17.4	14
No Math course/grade information reported	98,554	7	21.1	44
SOCIAL SCIENCE COURSE PATTERN				
US Hist, World Hist, Am Gov, & Other Hist	42,546	3	22.7	61
Other comb of 4 or more years Social Science	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	404,731	28	21.3	52
Less than 3 years of Social Science	185,561	13	20.4	45
No Soc Sci course/grade information reported	98,548	7	21.1	50
NATURAL SCIENCE COURSE PATTERN				
Gen Sci ¹ , Bio, Chem, & Phys	453,654	32	22.2	38
Bio, Chem, Phys	134,033	9	23.2	47
Gen Sci ¹ , Bio, Chem (Min. Core)	435,183	31	20.1	20
Other comb of 3 years of Natural Science	40,179	3	20.1	22
Less than 3 years of Natural Science	259,142	18	18.7	13
No Nat Sci course/grade information reported	99,750	7	20.6	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	19,750	1	19.0	3,141	4	16.7	15,322	1	19.5
Architecture & Environmental Design	26,866	2	20.8	1,568	2	16.9	23,522	2	21.2
Business & Management	136,904	10	20.7	6,122	7	16.7	121,557	11	20.9
Business & Office	9,196	1	18.9	1,222	1	16.8	7,139	1	19.3
Marketing & Distribution	12,030	1	20.1	618	1	16.3	10,521	1	20.4
Communications & Comm. Technologies	37,921	3	21.4	1,599	2	16.8	33,917	3	21.7
Community & Personal Services	36,486	3	18.3	6,080	7	16.5	27,841	2	18.7
Computer & Information Sciences	28,932	2	21.2	2,535	3	17.8	24,555	2	21.6
Cross-Disciplinary Studies	1,971	0	23.8	40	0	17.4	1,755	0	24.0
Education	54,247	4	20.5	1,616	2	16.3	49,226	4	20.7
Teacher Education	37,606	3	20.0	1,213	1	16.1	34,213	3	20.2
Engineering	59,339	4	22.8	3,475	4	15.9	52,745	5	23.4
Engineering-Related Technologies	33,957	2	21.7	2,781	3	16.7	28,993	3	22.2
Foreign Languages	7,234	1	23.3	244	0	17.3	6,391	1	23.6
Health Sciences & Allied Health Fields	247,393	17	20.6	16,015	19	17.0	218,932	20	20.9
Human, Family & Consumer Science	16,010	1	18.5	2,620	3	16.6	12,066	1	19.0
Letters	8,792	1	24.5	241	0	19.1	7,986	1	24.7
Mathematics	7,631	1	24.1	150	0	17.0	6,887	1	24.4
Philosophy, Religion & Theology	7,116	1	22.4	230	0	18.8	6,333	1	22.6
Sciences (Biological & Physical)	69,014	5	23.6	828	1	17.7	64,296	6	23.7
Social Sciences	83,039	6	22.1	1,079	1	17.4	77,596	7	22.2
Trade & Industrial	16,388	1	17.9	8,137	10	17.0	7,003	1	18.9
Visual & Performing Arts	78,305	6	20.8	6,171	7	17.1	65,789	6	21.3
Undecided	200,090	14	21.5	11,741	14	16.8	165,714	15	21.9
No Response	185,724	13	21.1	4,411	5	15.7	51,810	5	22.5

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	18,940	16.6	2,407	14.3	352	15.5	12,404	17.3	1,890	15.0	168	16.5	1,719	16.3
2-yr College Degree	64,937	16.8	10,228	14.4	1,034	15.9	40,509	17.8	6,765	15.4	923	16.5	5,478	16.5
Bachelors Degree	507,714	20.2	58,579	16.3	5,239	18.5	356,029	21.1	34,762	18.1	12,358	20.2	40,747	20.2
Graduate Study	242,285	22.9	23,855	18.2	1,810	20.8	165,632	23.8	16,567	20.5	9,434	23.7	24,987	23.2
Prof. Level Degree	372,110	22.4	56,886	18.2	3,897	20.7	211,149	23.7	36,392	20.1	21,364	24.4	42,422	23.0
Other	36,667	18.1	6,631	15.5	534	16.9	20,186	19.2	3,422	16.4	1,150	19.4	4,744	18.2
No Response	179,288	21.1	19,831	15.8	1,514	17.9	89,679	22.2	14,899	17.4	5,971	23.2	47,394	22.1

Table 4.3. Students' Score Report Preferences at Time of Testing (this table omitted in National report)

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	Writing	English/Writing Combined
		National	National	National
All Students	770,529	21.4	7.3	20.9
African Am./Black	86,049	16.6	6.5	16.6
Am. Indian/Alaska Native	5,148	18.9	6.7	18.5
Caucasian Am./White	464,177	22.5	7.4	21.8
Hispanic	71,060	18.3	7.1	18.5
Asian Am./Pacific Islander	37,359	23.1	7.9	22.6
Other/No Response	106,736	22.2	7.5	21.7
Males	327,613	20.9	7.0	20.2
Females	421,968	21.7	7.6	21.3
Missing	20,948	23.9	7.9	23.2

