

ACT Profile Report - National

Graduating Class 2009
National



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This report provides information about the performance of your 2009 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 2009 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, test data for a school, district, and the state 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, or the state.

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.

Total Students in Report: 1,480,469

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

23% of your students 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: 1,480,469 of your students 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. 70% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES: Table 3.2 reports 7% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 17% of the cohort reported taking the minimum math core (Algebra I, Algebra II, and Geometry). 12% of these students were college ready. In comparison, 54% of the students who advanced beyond minimum math 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 16% of the cohort took less than three years of natural science courses. 11% 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.

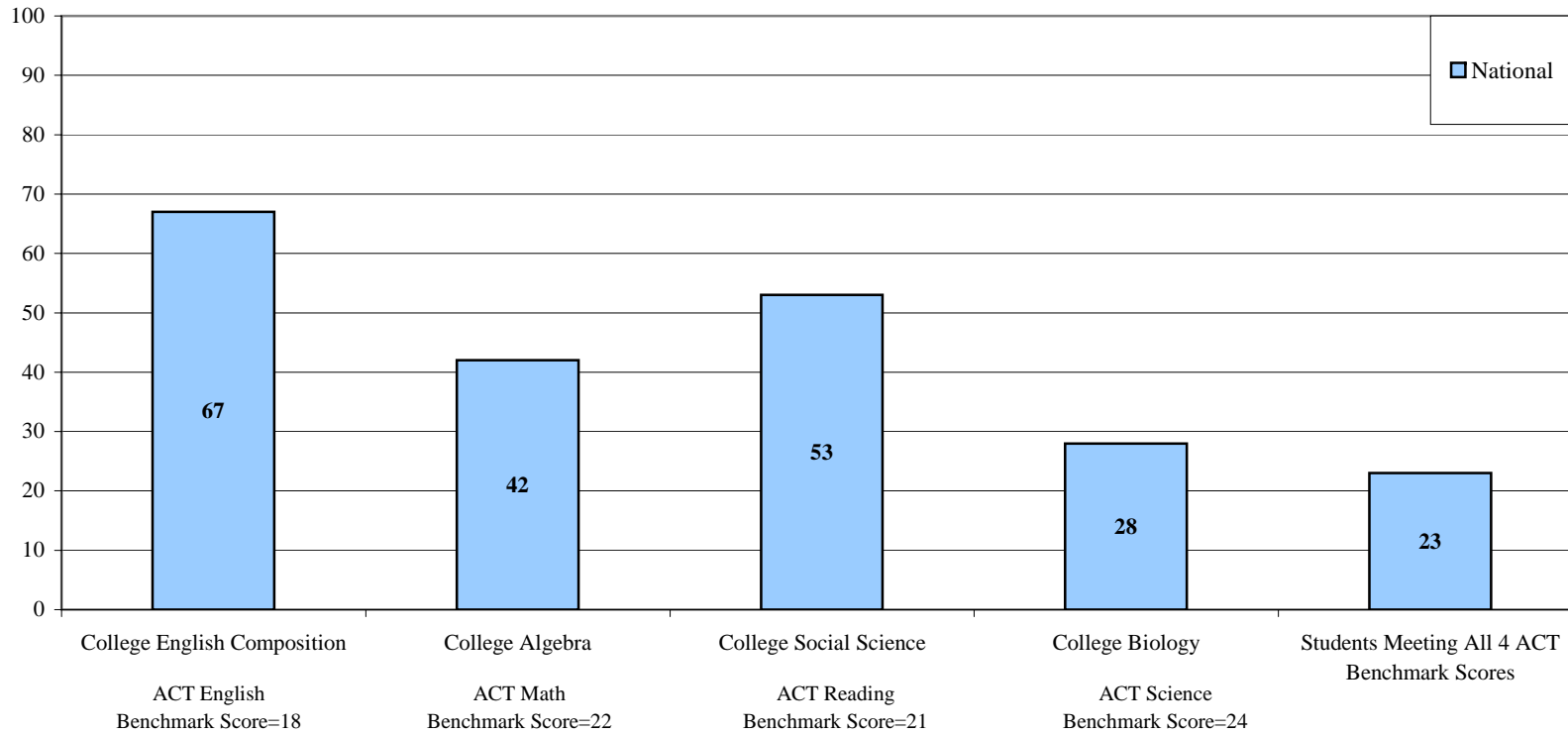
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 1-800-553-6244 x1726.

Section I

Executive Summary

Total Students in Report: 1,480,469

Figure 1.1. Percent of Your 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.

Total Students in Report: 1,480,469

Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks

Year	Number of Students Tested National	Percent Meeting Benchmarks				
		English National	Mathematics National	Reading National	Science National	Meeting All Four National
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
2009	1,480,469	67	42	53	28	23

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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2009	1,480,469	20.6	21.0	21.4	20.9	21.1

Total Students in Report: 1,480,469

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
	Core or More ¹	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
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
2009	1,039,502	391,458	70	26	21.7	18.3	21.9	18.9	22.3	19.4	21.7	19.2	22.0	19.1

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity

	2005			2006			2007			2008			2009		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	1,186,251	100	20.9	1,206,455	100	21.1	1,300,599	100	21.2	1,421,941	100	21.1	1,480,469	100	21.1
African American/Black	138,964	12	17.0	139,118	12	17.1	152,412	12	17.0	178,417	13	16.9	196,149	13	16.9
American Indian/Alaska Native	13,695	1	18.7	13,635	1	18.8	14,044	1	18.9	14,380	1	19.0	15,773	1	18.9
Caucasian American/White	781,581	66	21.9	760,084	63	22.0	779,147	60	22.1	895,588	63	22.1	941,206	64	22.2
Hispanic	83,447	7	18.6	85,796	7	18.6	93,137	7	18.7	114,697	8	18.7	133,569	9	18.7
Asian American/Pacific Islander	39,284	3	22.1	39,867	3	22.3	42,257	3	22.6	51,368	4	22.9	59,093	4	23.2
Other/No Response	129,280	11	20.9	167,955	14	21.1	219,602	17	21.6	167,491	12	21.7	134,679	9	20.9

Section II

Academic Achievement

Total Students in Report: 1,480,469

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	4,718	100	4,621	100	12,642	100	3,599	100	638	100	36
35	15,104	100	8,391	100	7,058	99	6,416	100	3,450	100	35
34	21,306	99	14,074	99	22,211	99	7,738	99	7,533	100	34
33	19,141	97	18,112	98	32,890	97	8,771	99	12,082	99	33
32	21,145	96	17,048	97	27,115	95	9,182	98	17,558	98	32
31	23,771	95	19,741	96	39,067	93	16,338	98	23,981	97	31
30	32,406	93	19,398	94	48,271	90	21,369	96	31,457	96	30
29	33,185	91	37,044	93	43,193	87	26,321	95	37,830	93	29
28	43,738	88	45,829	91	47,444	84	31,577	93	47,716	91	28
27	43,198	86	55,523	88	49,305	81	38,177	91	56,274	88	27
26	60,024	83	73,494	84	51,234	78	62,210	89	65,479	84	26
25	73,537	79	76,634	79	53,542	74	103,655	84	75,726	79	25
24	74,637	74	87,826	74	72,549	71	83,651	77	84,905	74	24
23	80,120	69	78,225	68	85,644	66	107,366	72	92,566	69	23
22	91,672	63	68,732	62	80,029	60	108,526	64	100,213	62	22
21	105,797	57	80,960	58	105,811	55	127,115	57	106,549	56	21
20	98,614	50	72,295	52	90,272	47	149,808	49	107,239	48	20
19	87,135	43	90,416	47	95,445	41	125,153	38	104,716	41	19
18	67,716	37	100,880	41	64,745	35	104,845	30	102,049	34	18
17	68,121	33	137,132	35	81,578	31	64,290	23	95,343	27	17
16	80,413	28	167,164	25	93,063	25	72,879	19	86,533	21	16
15	79,527	23	124,451	14	66,359	19	50,884	14	76,702	15	15
14	54,302	17	57,305	6	75,715	14	43,993	10	62,956	10	14
13	45,365	14	16,458	2	53,262	9	36,320	7	45,264	5	13
12	41,652	11	5,905	1	38,251	6	27,106	5	24,002	2	12
11	36,326	8	1,845	1	25,590	3	22,755	3	8,391	1	11
10	32,183	5	507	1	9,154	1	10,099	1	2,268	1	10
9	23,049	3	215	1	4,178	1	6,521	1	661	1	9
8	13,240	2	74	1	2,436	1	2,123	1	235	1	8
7	6,226	1	51	1	1,225	1	674	1	91	1	7
6	2,005	1	51	1	482	1	520	1	42	1	6
5	717	1	7	1	404	1	211	1	12	1	5
4	241	1	39	1	166	1	69	1	5	1	4
3	91	1	1	1	39	1	141	1	2	1	3
2	31	1	7	1	88	1	0	1	1	1	2
1	16	1	14	1	12	1	67	1	0	1	1
Avg (SD)	20.6 (6.3)		21.0 (5.3)		21.4 (6.2)		20.9 (5.0)		21.1 (5.1)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Total Students in Report: 1,480,469

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score Averages

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	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	53,341	100	18,140	100	42,543	100	63,307	100	53,248	100	14,572	100	14,586	100	18
17	54,163	96	18,165	99	55,963	97	53,948	96	83,398	96	15,897	99	9,098	99	17
16	65,640	93	78,374	98	74,178	93	110,772	92	66,983	91	41,564	98	49,007	98	16
15	72,587	88	90,327	92	93,452	88	115,923	85	86,228	86	46,407	95	75,037	95	15
14	74,303	83	107,046	86	90,690	82	116,263	77	94,472	80	133,657	92	105,004	90	14
13	97,224	78	121,356	79	105,531	76	78,684	69	103,849	74	107,704	83	171,771	83	13
12	110,152	72	169,264	71	136,923	69	123,012	64	136,480	67	151,936	76	117,477	71	12
11	127,952	64	154,070	59	122,664	60	129,124	55	125,566	58	175,735	65	172,310	63	11
10	168,029	56	175,520	49	162,750	51	119,465	47	139,064	49	266,366	54	196,862	52	10
9	147,267	44	157,243	37	175,265	40	114,345	38	123,377	40	190,928	36	183,933	38	9
8	112,429	34	130,982	26	152,201	28	128,289	31	169,071	32	141,831	23	151,771	26	8
7	117,084	27	99,610	18	131,757	18	107,645	22	177,484	20	87,451	13	85,099	16	7
6	101,828	19	57,270	11	69,196	9	83,646	15	80,339	8	36,245	7	51,776	10	6
5	78,698	12	49,942	7	35,362	5	79,844	9	24,150	3	34,617	5	47,593	7	5
4	59,323	7	35,190	4	13,659	2	37,871	4	11,306	1	20,134	2	18,219	3	4
3	29,058	3	14,888	1	11,728	1	13,091	1	4,133	1	10,772	1	21,182	2	3
2	10,107	1	2,712	1	4,927	1	4,730	1	1,025	1	1,596	1	5,393	1	2
1	1,284	1	370	1	1,680	1	510	1	296	1	3,057	1	4,351	1	1
Avg (SD)	10.2 (3.9)		10.6 (3.3)		10.8 (3.5)		11.0 (3.9)		10.9 (3.6)		10.5 (2.9)		10.4 (3.1)		Avg (SD)

¹CP is the cumulative percent of students at or below a score point.

Table 2.3. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	25	25	26	24	25
Q2 (50th Percentile)	21	20	21	21	21
Q1 (25th Percentile)	16	16	16	18	17

Total Students in Report: 1,480,469

Table 2.4. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score	
				Core or More	Less Than Core
National	All Students	1,480,469	70	22.0	19.1
	African American/Black	196,149	64	17.6	15.9
	American Indian/Alaska Native	15,773	59	20.1	17.4
	Caucasian American/White	941,206	73	23.0	20.1
	Hispanic	133,569	67	19.6	17.3
	Asian American/Pacific Islander	59,093	80	23.7	21.4
	Other/No Response	134,679	63	22.2	19.0

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

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	20.9	21.1
	African American/Black	16.0	17.1	16.9	17.2	16.9
	American Indian/Alaska Native	17.9	18.7	19.4	19.1	18.9
	Caucasian American/White	21.9	21.9	22.6	21.9	22.2
	Hispanic	17.7	19.1	18.9	18.8	18.7
	Asian American/Pacific Islander	22.6	24.5	22.7	22.7	23.2
	Other/No Response	20.4	21.0	21.3	20.7	20.9

Total Students in Report: 1,480,469

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	60,269	4	45,198	3	74,801	5	26,524	2
	28 to 32	154,245	10	139,060	9	205,090	14	104,787	7
	24 to 27	251,396	17	293,477	20	226,630	15	287,693	19
	20 to 23	376,203	25	300,212	20	361,756	24	492,815	33
	16 to 19	303,385	20	495,592	33	334,831	23	367,167	25
	13 to 15	179,194	12	198,214	13	195,336	13	131,197	9
	01 to 12	155,777	11	8,716	1	82,025	6	70,286	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
National	Males	668,165	45	20.2	21.6	21.3	21.4	21.3
	Females	808,097	55	20.9	20.4	21.4	20.4	20.9
	Missing	4,207	0	20.3	21.2	21.5	20.8	21.1

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
National	Males	65	47	52	33	27
	Females	69	38	53	24	20

Total Students in Report: 1,480,469

Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ³	Avg
National	Core or More ²	1,039,502	75	21.7	50	21.9	59	22.3	34	21.7	28	22.0
	Less than Core	391,458	52	18.3	25	18.9	38	19.4	16	19.2	12	19.1
	Missing	49,509	35	15.9	16	17.5	25	17.3	10	17.6	7	17.2

¹"Curriculum Taken" reflects overall high school curriculum in this table.

²"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

³Composite CRB% results reflect students who meet all four subject-area benchmarks.

Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Content-Specific Curriculum

Student Group	Curriculum Taken ¹	N	English			Mathematics			Reading			Science		
			CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	
National	Core or More	1,367,549	70	20.9	1,334,313	46	21.4	1,287,169	55	21.7	1,206,541	32	21.5	
	Less than Core	73,276	42	16.8	101,413	7	16.5	151,264	41	19.7	230,683	12	18.4	
	Missing	39,644	37	16.1	44,743	17	17.5	42,036	26	17.5	43,245	11	17.7	

¹"Curriculum Taken" reflects content-specific curriculum in this table.

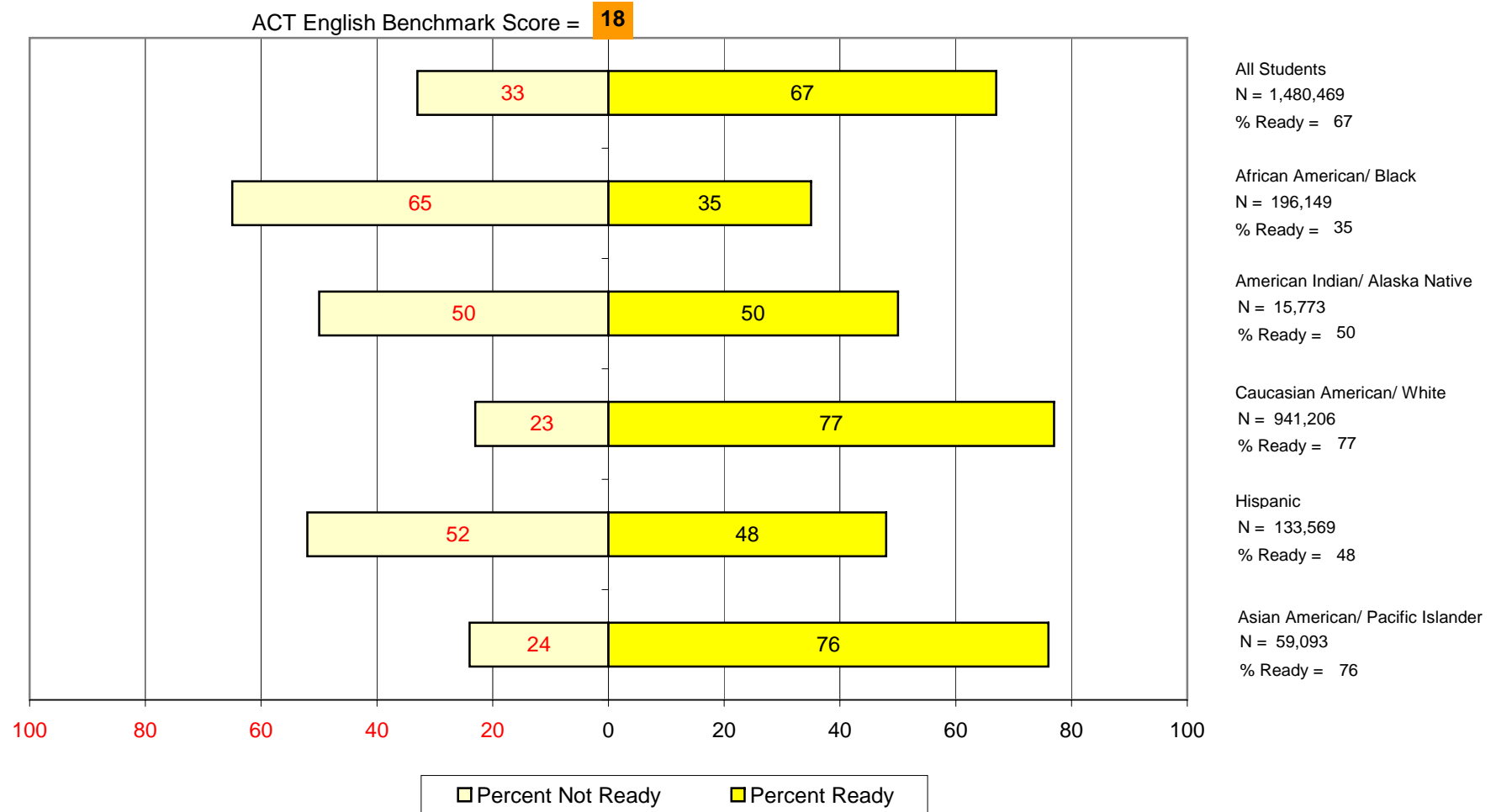
For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

Section III

College Readiness and the Impact of Course Rigor

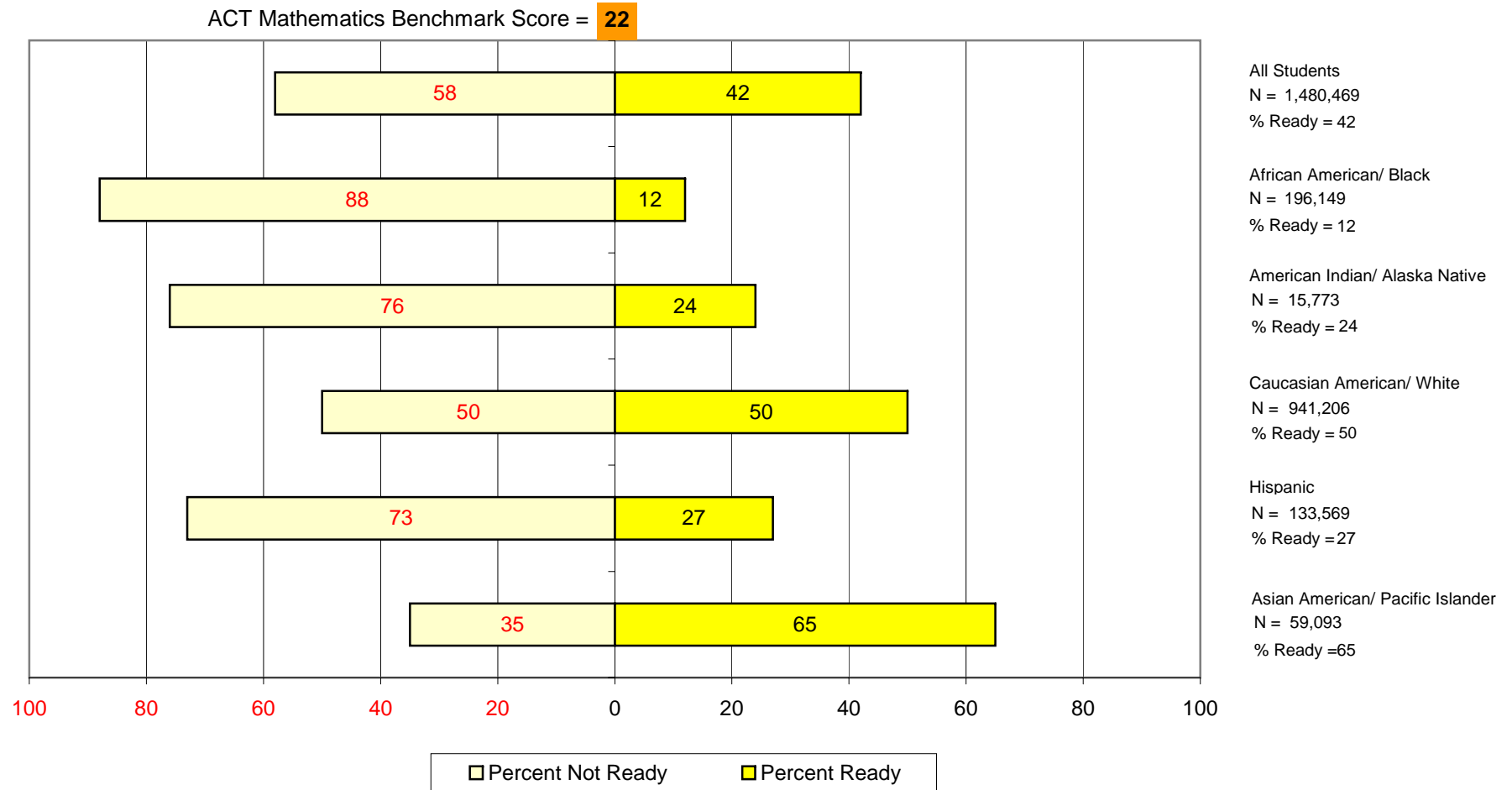
Total Students in Report: 1,480,469

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



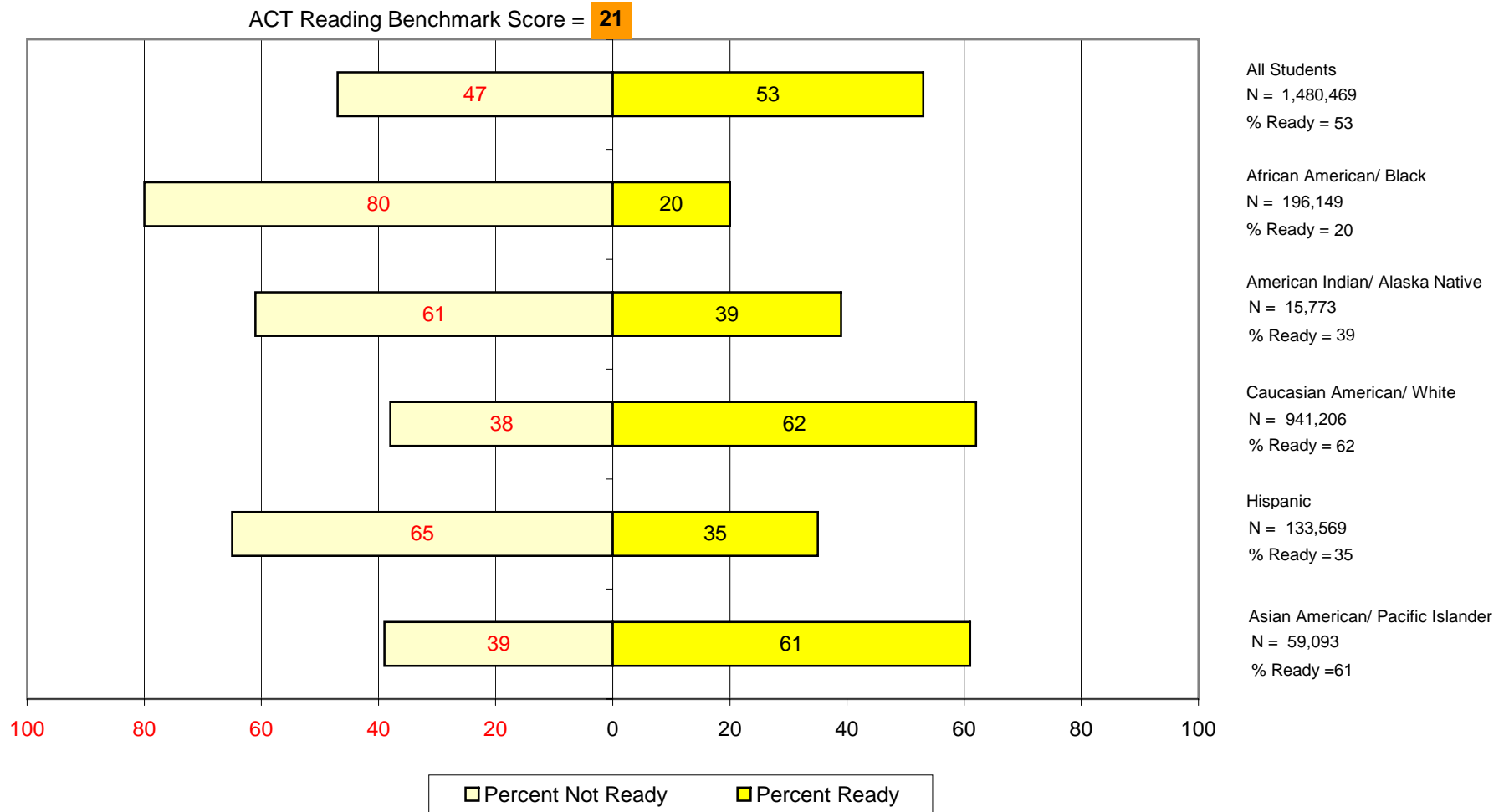
Total Students in Report: 1,480,469

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



Total Students in Report: 1,480,469

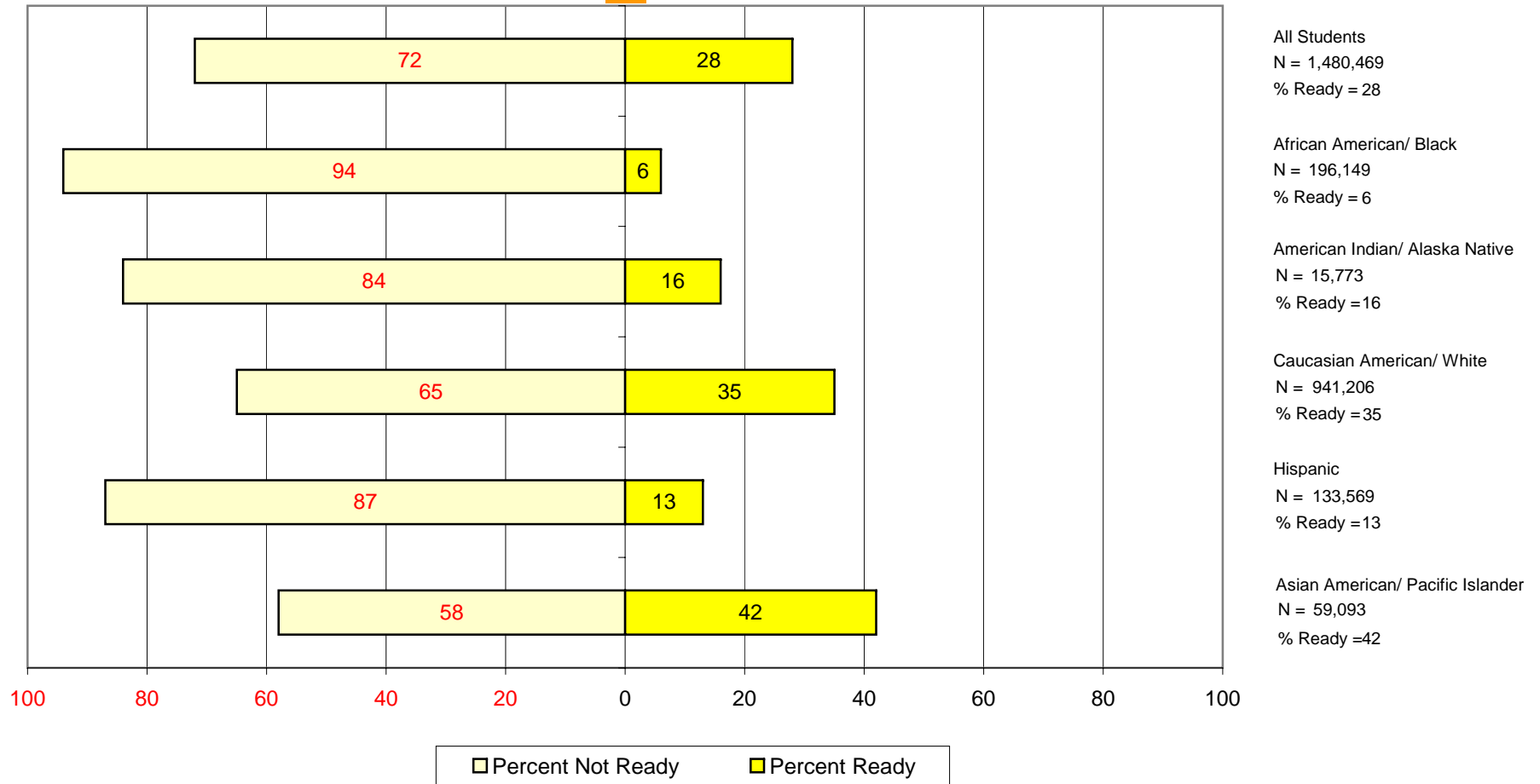
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



Total Students in Report: 1,480,469

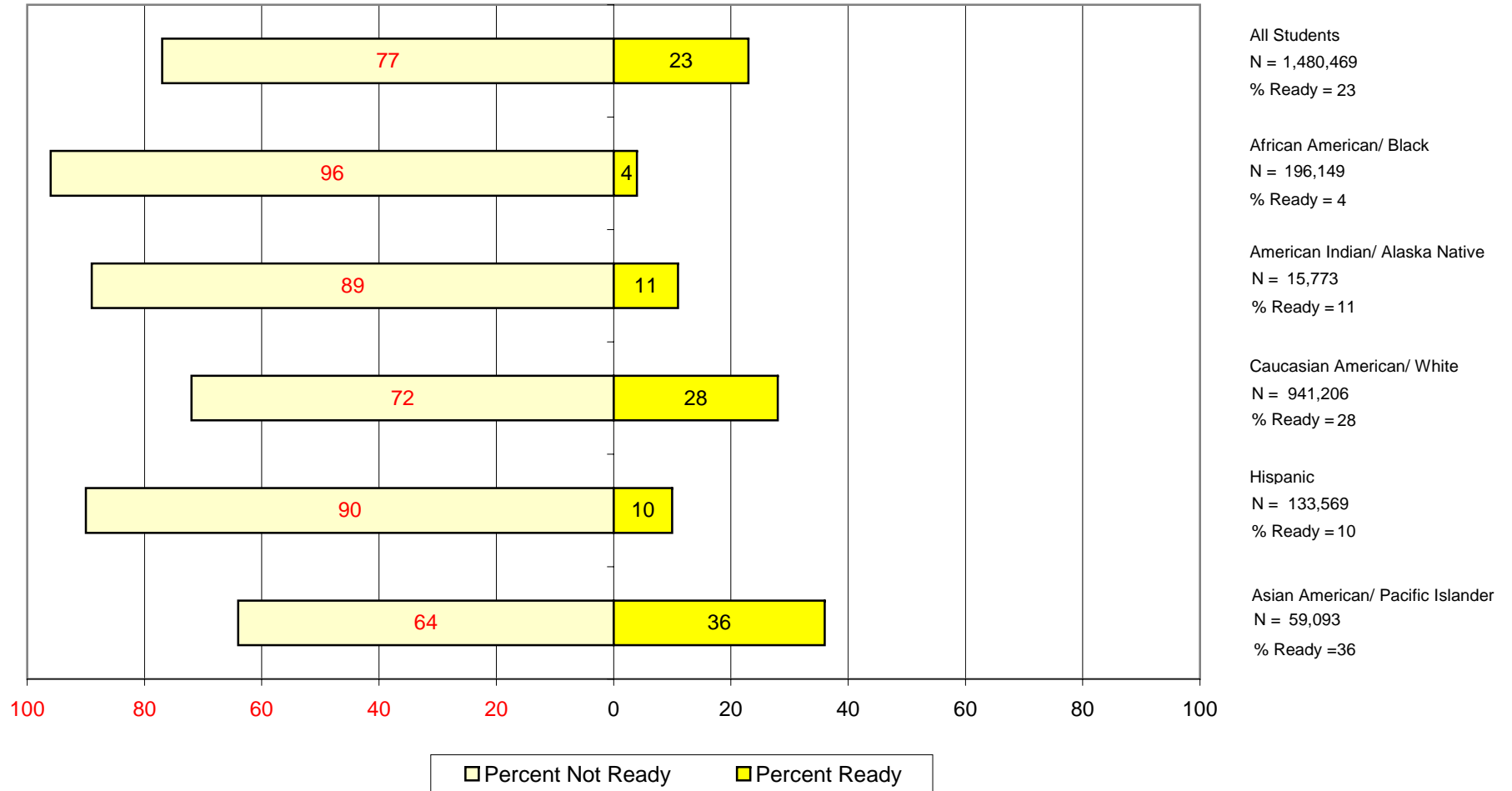
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24



Total Students in Report: 1,480,469

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



Total Students in Report: 1,480,469

Table 3.1. Average ACT Scores and Average ACT 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	338,118	23	22.0	5.3	139,543	21	21.6	5.2	197,767	24	22.3	5.2
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	1,029,431	70	20.6	3.9	469,847	70	20.3	3.9	557,296	69	20.8	3.7
Less than 4 years of English	74,090	5	16.7	-	38,428	6	16.4	-	35,268	4	17.1	-
No English course/grade information reported	38,830	3	16.1	-	20,347	3	15.9	-	17,766	2	16.3	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	92,630	6	24.5	8.0	42,020	6	25.3	8.6	50,313	6	23.8	7.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	135,244	9	22.1	5.6	51,609	8	22.8	6.1	83,408	10	21.7	5.5
Alg 1, Alg 2, Geom, & Trig	110,962	7	20.0	3.5	47,231	7	20.5	3.8	63,467	8	19.6	3.4
Alg 1, Alg 2, Geom, & Other Adv Math	220,868	15	20.1	3.6	84,756	13	20.6	3.9	135,737	17	19.8	3.6
Other comb of 4 or more years of Math	455,130	31	23.9	7.4	227,535	34	24.7	8.0	226,427	28	23.2	7.0
Alg 1, Alg 2, & Geom (Min. Core)	248,747	17	17.5	1.0	108,348	16	17.9	1.2	139,786	17	17.2	1.0
Other comb of 3 or 3.5 years of Math	70,732	5	20.1	3.6	34,113	5	20.5	3.8	36,444	5	19.7	3.5
Less than 3 years of Math	105,591	7	16.5	-	51,334	8	16.7	-	53,900	7	16.2	-
No Math course/grade information reported	40,565	3	17.7	-	21,219	3	18.0	-	18,615	2	17.3	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	46,754	3	22.8	3.1	23,613	4	22.6	3.1	23,028	3	23.0	3.1
Other comb of 4 or more years Social Science	735,636	50	22.0	2.3	321,854	48	22.0	2.5	412,228	51	21.9	2.0
US Hist, World Hist, & Am Gov (Min. Core)	84,543	6	20.6	0.9	40,961	6	20.6	1.1	43,376	5	20.7	0.8
Other comb of 3 or 3.5 years of Social Science	420,236	28	21.3	1.6	186,352	28	21.3	1.8	232,943	29	21.3	1.4
Less than 3 years of Social Science	152,775	10	19.7	-	74,079	11	19.5	-	78,039	10	19.9	-
No Soc Sci course/grade information reported	40,525	3	17.5	-	21,306	3	17.4	-	18,483	2	17.6	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	563,824	38	22.2	3.8	275,721	41	22.9	4.4	286,640	35	21.5	3.2
Bio, Chem, Phys	141,531	10	23.3	4.9	65,523	10	24.2	5.7	75,643	9	22.5	4.2
Gen Sci ² , Bio, Chem (Min. Core)	459,833	31	20.1	1.7	177,844	27	20.3	1.8	281,104	35	20.0	1.7
Other comb of 3 years of Natural Science	41,353	3	19.8	1.4	22,676	3	20.5	2.0	18,562	2	19.0	0.7
Less than 3 years of Natural Science	233,215	16	18.4	-	105,037	16	18.5	-	127,537	16	18.3	-
No Nat Sci course/grade information reported	40,713	3	17.7	-	21,364	3	17.9	-	18,611	2	17.5	-

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.

Total Students in Report: 1,480,469

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	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	1,029,431	70	20.6	68
Less than 4 years of English	74,090	5	16.7	42
No English course/grade information reported	38,830	3	16.1	37
MATHEMATICS COURSE PATTERN				
Alg 1, Alg 2, Geom, Trig, & Calc	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	220,868	15	20.1	36
Other comb of 4 or more years of Math	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	70,732	5	20.1	35
Less than 3 years of Math	105,591	7	16.5	7
No Math course/grade information reported	40,565	3	17.7	18
SOCIAL SCIENCE COURSE PATTERN				
US Hist, World Hist, Am Gov, & Other Hist	46,754	3	22.8	61
Other comb of 4 or more years Social Science	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	420,236	28	21.3	52
Less than 3 years of Social Science	152,775	10	19.7	40
No Soc Sci course/grade information reported	40,525	3	17.5	26
NATURAL SCIENCE COURSE PATTERN				
Gen Sci ¹ , Bio, Chem, & Phys	563,824	38	22.2	39
Bio, Chem, Phys	141,531	10	23.3	47
Gen Sci ¹ , Bio, Chem (Min. Core)	459,833	31	20.1	21
Other comb of 3 years of Natural Science	41,353	3	19.8	21
Less than 3 years of Natural Science	233,215	16	18.4	11
No Nat Sci course/grade information reported	40,713	3	17.7	11

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 1,480,469

Table 4.1. Distribution of Planned Educational Majors for All Students 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	22,682	2	19.0	3,871	4	16.5	17,383	1	19.6
Architecture & Environmental Design	30,478	2	21.1	1,757	2	16.7	26,786	2	21.4
Business & Management	154,578	10	20.9	6,629	7	16.5	137,614	11	21.2
Business & Office	11,042	1	19.0	1,340	1	16.5	8,756	1	19.6
Marketing & Distribution	13,555	1	20.3	708	1	16.2	11,936	1	20.6
Communications & Comm. Technologies	40,789	3	21.6	1,699	2	16.8	36,685	3	21.9
Community & Personal Services	40,288	3	18.4	6,685	7	16.5	30,803	3	18.9
Computer & Information Sciences	32,956	2	21.4	2,885	3	17.8	27,785	2	21.8
Cross-Disciplinary Studies	2,598	0	24.2	45	0	16.2	2,316	0	24.4
Education	59,376	4	20.7	1,825	2	16.3	54,077	4	20.9
Teacher Education	43,206	3	20.0	1,516	2	16.0	39,191	3	20.3
Engineering	68,006	5	23.1	4,005	4	15.9	60,377	5	23.7
Engineering-Related Technologies	43,058	3	21.9	3,413	4	16.7	36,882	3	22.5
Foreign Languages	8,458	1	23.4	297	0	16.6	7,415	1	23.8
Health Sciences & Allied Health Fields	286,426	19	20.7	18,245	19	16.9	254,161	21	21.1
Human, Family & Consumer Science	18,861	1	18.6	3,011	3	16.6	14,310	1	19.1
Letters	10,465	1	24.7	305	0	19.1	9,474	1	24.9
Mathematics	10,515	1	24.1	256	0	16.7	9,406	1	24.4
Philosophy, Religion & Theology	7,788	1	22.6	239	0	18.1	6,940	1	22.8
Sciences (Biological & Physical)	87,430	6	23.8	1,093	1	17.6	81,680	7	23.9
Social Sciences	94,328	6	22.3	1,316	1	17.3	88,265	7	22.4
Trade & Industrial	18,253	1	17.8	9,382	10	17.0	7,550	1	18.9
Visual & Performing Arts	91,202	6	21.0	7,142	8	17.1	76,481	6	21.4
Undecided	206,391	14	21.6	13,202	14	16.7	165,472	14	22.0
No Response	77,740	5	17.6	3,748	4	14.8	9,387	1	18.1

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N count for All Students.

²Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 1,480,469

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 American/Black		American Indian/Alaska Native		Caucasian American/White		Hispanic		Asian American/Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	22,104	16.5	2,672	14.4	458	15.4	14,516	17.2	2,315	15.4	234	16.7	1,909	16.0
2-yr College Degree	72,510	16.7	11,687	14.5	1,325	15.7	44,381	17.7	8,248	15.5	1,071	16.5	5,798	16.3
Bachelors Degree	565,681	20.3	67,443	16.3	5,947	18.6	397,989	21.3	42,418	18.1	14,702	20.5	37,182	19.9
Graduate Study	254,727	23.1	24,915	18.2	1,940	20.8	177,473	24.1	18,808	20.7	10,934	24.2	20,657	23.0
Prof. Level Degree	400,724	22.6	62,676	18.2	4,208	20.7	226,716	24.0	42,759	20.1	25,453	24.9	38,912	22.7
Other	39,536	18.1	7,088	15.3	556	16.8	21,615	19.3	4,101	16.6	1,380	19.6	4,796	18.1
No Response	125,187	19.8	19,668	15.5	1,339	17.1	58,516	21.6	14,920	17.0	5,319	23.0	25,425	20.0

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

Section V

Optional Writing Test Results

Total Students in Report: 1,480,469

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	814,713	21.5	7.2	20.8
African American/Black	96,225	16.5	6.4	16.5
American Indian/Alaska Native	5,489	18.9	6.7	18.5
Caucasian American/White	497,164	22.8	7.3	21.9
Hispanic	85,681	18.4	7.0	18.4
Asian American/Pacific Islander	44,716	23.5	7.6	22.8
Other/No Response	85,438	21.4	7.2	20.8
Males	357,025	21.1	6.9	20.3
Females	455,190	21.7	7.4	21.2
Missing	2,498	22.1	7.2	21.3

