

ACT Profile Report - National

Graduating Class 2010
National



* 0 7 0 0 2 B 0 9 0 *

Table of Contents

Section I: Executive Summary	Page 5
Percent of Your Students Ready for College-Level Coursework	
Five Year Trends—Percent of Students Meeting College Readiness Benchmarks	
Five Year Trends—Average ACT Scores	
Five Year Trends—Average ACT Scores by Level of Preparation	
Five Year Trends—Percent and Average Composite Score by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
Section II: Academic Achievement	Page 11
ACT Score Distributions, Cumulative Percentages, Averages, and Quartile Values	
Average ACT Composite Scores for Race/Ethnicity by Level of Preparation	
Average ACT Scores by Race/Ethnicity	
Percent of Students in College Readiness Standards Score Ranges	
Average ACT Scores by Gender	
Percent of Students Meeting College Readiness Benchmark Scores by Gender	
College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum	
College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum	
Section III: College Readiness & Impact of Course Rigor	Page 17
Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity	
Average ACT Scores and Average ACT Score Changes by Common Course Patterns	
College Readiness Percents by Common Course Patterns	
Section IV: Career and Educational Aspirations	Page 25
Distribution of Planned Educational Majors for All Students by College Plans	
Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations	
Students' Score Report Preferences at Time of Testing	
Section V: Optional Writing Test Results	Page 29
Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing	

This report provides information about the performance of your 2010 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 2010 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.

Furthermore, 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. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at www.act.org/standard/infoserv.html.

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

24% 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: 1,568,835 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. 71% 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 6% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 16% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 12% of these students were college ready. In comparison, 55% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry 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 15% of the cohort took less than three years of natural science courses. 12% of these students were college ready. In comparison, 33% 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 48% 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.

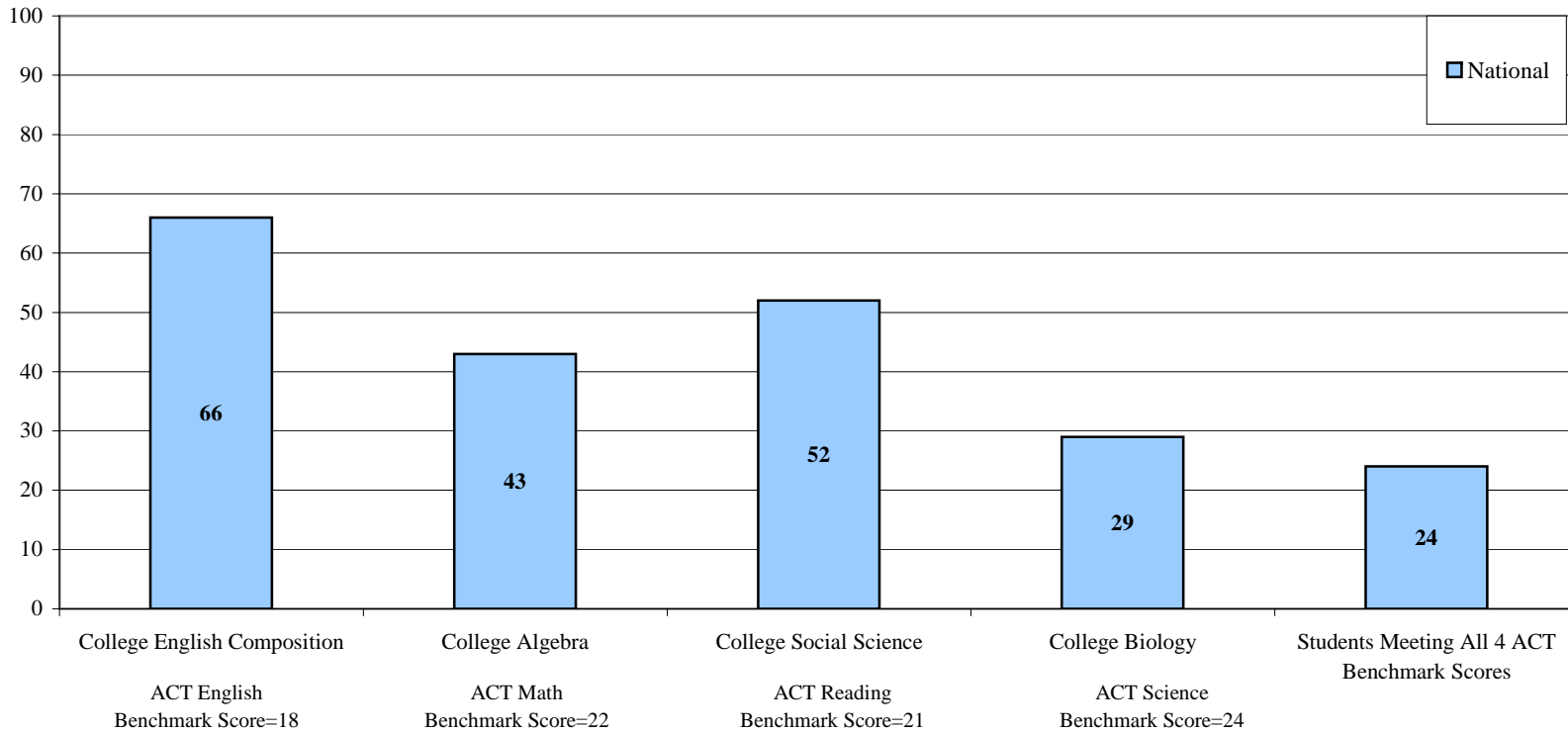
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 1-800-553-6244 x1726.

Section I

Executive Summary

Total Students in Report: 1,568,835

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: 1,568,835

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
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
2010	1,568,835	66	43	52	29	24

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
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
2010	1,568,835	20.5	21.0	21.3	20.9	21.0

Total Students in Report: 1,568,835

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
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
2010	1,118,639	397,685	71	25	21.6	18.1	21.9	18.9	22.2	19.2	21.7	19.0	22.0	18.9

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.

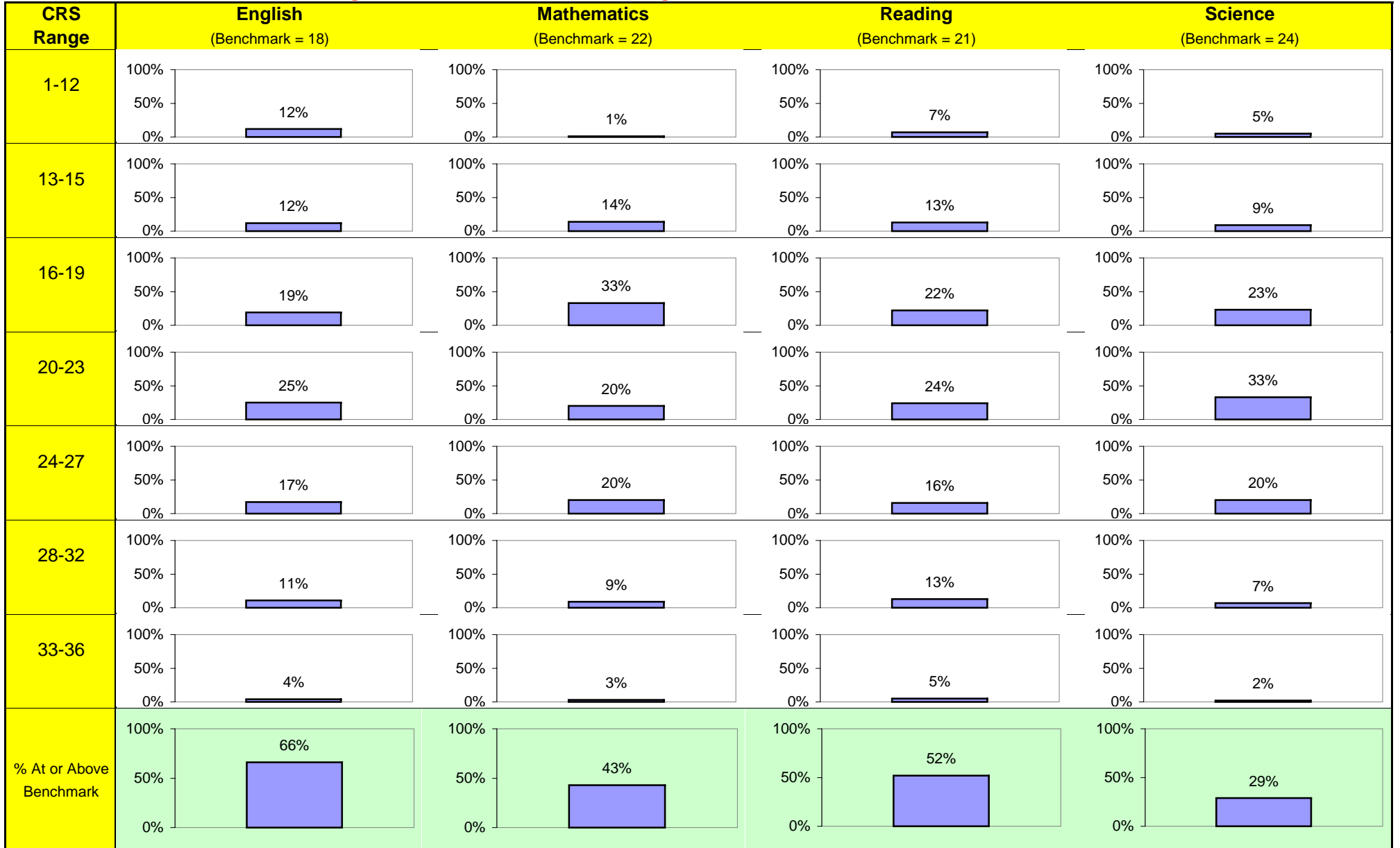
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2006			2007			2008			2009			2010		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	1,206,455	100	21.1	1,300,599	100	21.2	1,421,941	100	21.1	1,480,469	100	21.1	1,568,835	100	21.0
African American/Black	139,118	12	17.1	152,412	12	17.0	178,417	13	16.9	196,149	13	16.9	214,836	14	16.9
American Indian/Alaska Native	13,635	1	18.8	14,044	1	18.9	14,380	1	19.0	15,773	1	18.9	16,382	1	19.0
Caucasian American/White	760,084	63	22.0	779,147	60	22.1	895,588	63	22.1	941,206	64	22.2	979,329	62	22.3
Hispanic	85,796	7	18.6	93,137	7	18.7	114,697	8	18.7	133,569	9	18.7	157,579	10	18.6
Asian American/Pacific Islander	39,867	3	22.3	42,257	3	22.6	51,368	4	22.9	59,093	4	23.2	65,362	4	23.4
Other/No Response	167,955	14	21.1	219,602	17	21.6	167,491	12	21.7	134,679	9	20.9	135,347	9	20.6

Total Students in Report: 1,568,835

Table 1.6. Percent of Students in College Readiness Standards Score Ranges



= National

Section II

Academic Achievement

Total Students in Report: 1,568,835

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	4,519	100	3,971	100	9,795	100	4,510	100	588	100	36
35	18,772	100	12,466	100	12,483	99	7,718	100	3,914	100	35
34	21,462	99	13,896	99	26,263	99	7,210	99	8,582	100	34
33	21,714	97	16,597	98	28,064	97	11,189	99	13,393	99	33
32	19,555	96	19,099	97	32,116	95	6,250	98	18,871	98	32
31	25,699	95	19,124	96	36,409	93	18,234	98	25,645	97	31
30	35,250	93	28,777	95	45,619	91	23,038	96	33,739	95	30
29	34,599	91	29,269	93	47,259	88	26,047	95	40,268	93	29
28	50,151	88	46,639	91	49,618	85	37,808	93	50,860	91	28
27	46,010	85	61,494	88	52,110	82	54,242	91	59,649	88	27
26	68,031	82	73,372	84	55,424	78	61,795	87	69,918	84	26
25	71,964	78	81,628	79	69,823	75	102,814	84	81,083	79	25
24	82,481	73	102,550	74	70,833	70	99,027	77	90,984	74	24
23	79,754	68	91,241	68	85,244	66	121,047	71	97,760	68	23
22	91,544	63	81,340	62	103,206	60	112,503	63	104,757	62	22
21	114,130	57	66,717	57	89,029	54	136,206	56	110,071	55	21
20	101,220	50	79,380	52	105,747	48	144,045	47	109,993	48	20
19	87,641	43	87,504	47	91,833	41	107,421	38	105,734	41	19
18	65,580	38	110,305	42	69,706	36	111,005	31	103,664	35	18
17	69,792	34	140,104	35	96,314	31	77,725	24	96,785	28	17
16	79,856	29	180,723	26	82,495	25	72,135	19	89,394	22	16
15	80,277	24	131,397	14	69,855	20	58,526	14	80,788	16	15
14	68,088	19	61,924	6	74,034	15	45,669	11	69,478	11	14
13	43,232	15	19,855	2	57,935	11	44,122	8	53,927	7	13
12	40,359	12	6,102	1	50,560	7	29,066	5	31,977	3	12
11	49,554	9	2,323	1	30,438	4	24,387	3	12,267	1	11
10	35,652	6	570	1	14,289	2	13,945	2	3,288	1	10
9	28,300	4	122	1	5,855	1	6,558	1	948	1	9
8	20,595	2	181	1	2,850	1	2,610	1	321	1	8
7	8,536	1	16	1	1,766	1	816	1	115	1	7
6	2,974	1	87	1	953	1	677	1	49	1	6
5	993	1	3	1	478	1	225	1	19	1	5
4	364	1	39	1	216	1	62	1	5	1	4
3	123	1	1	1	102	1	145	1	0	1	3
2	39	1	0	1	92	1	2	1	1	1	2
1	25	1	19	1	22	1	56	1	0	1	1
Avg (SD)	20.5 (6.4)		21.0 (5.3)		21.3 (6.2)		20.9 (5.1)		21.0 (5.2)		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: 1,568,835

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	61,337	100	17,789	100	37,554	100	44,521	100	66,781	100	15,962	100	13,980	100	18
17	56,341	96	15,372	99	61,777	98	115,820	97	74,197	96	18,900	99	12,576	99	17
16	67,498	92	81,760	98	90,060	94	80,649	90	81,208	91	46,492	98	44,983	98	16
15	90,803	88	105,396	93	96,167	88	118,339	85	94,067	86	50,032	95	84,331	95	15
14	82,949	82	105,250	86	95,576	82	81,337	77	98,209	80	132,681	92	120,424	90	14
13	96,014	77	126,361	79	99,703	76	113,155	72	106,977	74	140,730	83	145,053	82	13
12	105,218	71	177,504	71	144,580	69	125,063	65	133,415	67	157,833	74	154,317	73	12
11	129,526	64	177,638	60	149,893	60	156,482	57	148,189	58	211,290	64	178,138	63	11
10	183,337	56	157,967	49	164,280	51	142,213	47	135,156	49	211,929	51	208,224	52	10
9	144,286	44	164,551	38	181,609	40	109,217	38	132,073	40	229,897	37	204,444	39	9
8	123,070	35	137,869	28	164,044	29	126,763	31	179,302	32	142,525	23	165,231	26	8
7	121,464	27	104,556	19	130,181	18	93,133	23	179,080	20	96,925	13	91,268	15	7
6	102,477	20	56,647	13	72,184	10	103,604	17	91,626	9	45,276	7	52,093	9	6
5	81,725	13	63,782	9	42,620	5	86,499	10	31,717	3	26,272	4	44,684	6	5
4	66,613	8	49,030	5	20,244	2	48,697	5	11,539	1	21,194	3	16,017	3	4
3	39,312	4	22,692	2	11,227	1	15,877	1	3,081	1	15,877	1	20,078	2	3
2	15,008	1	4,119	1	5,279	1	7,126	1	1,937	1	571	1	8,916	1	2
1	1,857	1	552	1	1,857	1	340	1	281	1	4,449	1	4,078	1	1
Avg (SD)	10.2 (4.0)		10.5 (3.4)		10.8 (3.5)		10.9 (3.9)		10.9 (3.6)		10.6 (2.9)		10.5 (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	17	18	17

Total Students in Report: 1,568,835

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	1,568,835	71	22.0	18.9
	African American/Black	214,836	65	17.5	15.8
	American Indian/Alaska Native	16,382	60	20.2	17.4
	Caucasian American/White	979,329	74	23.1	20.0
	Hispanic	157,579	68	19.4	17.0
	Asian American/Pacific Islander	65,362	81	23.9	21.5
	Other/No Response	135,347	65	21.8	18.7

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	20.5	21.0	21.3	20.9	21.0
	African American/Black	15.7	17.1	16.8	17.2	16.9
	American Indian/Alaska Native	17.9	18.8	19.4	19.3	19.0
	Caucasian American/White	22.0	22.0	22.6	22.0	22.3
	Hispanic	17.3	19.0	18.7	18.7	18.6
	Asian American/Pacific Islander	22.6	24.7	22.9	23.0	23.4
	Other/No Response	20.0	20.7	20.9	20.4	20.6

Total Students in Report: 1,568,835

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	66,467	4	46,930	3	76,605	5	30,627	2
	28 to 32	165,254	11	142,908	9	211,021	13	111,377	7
	24 to 27	268,486	17	319,044	20	248,190	16	317,878	20
	20 to 23	386,648	25	318,678	20	383,226	24	513,801	33
	16 to 19	302,869	19	518,636	33	340,348	22	368,286	23
	13 to 15	191,597	12	213,176	14	201,824	13	148,317	9
	01 to 12	187,514	12	9,463	1	107,621	7	78,549	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
National	Males	713,544	45	20.1	21.6	21.1	21.4	21.2
	Females	852,493	54	20.8	20.5	21.4	20.5	20.9
	Missing	2,798	0	16.2	17.9	17.7	17.9	17.5

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

Student Group	Gender	Percent of Students				
		English	Mathematics	Reading	Science	Meet All Four
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 1,568,835

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 % ⁴	Avg
National	Core or More ²	1,118,639	74	21.6	51	21.9	58	22.2	35	21.7	29	22.0
	Less than Core	397,685	50	18.1	26	18.9	37	19.2	17	19.0	13	18.9
	Missing ³	52,511	33	15.5	16	17.4	24	17.1	10	17.3	7	16.9

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.

³ Zero years or no coursework information reported in one or more content areas.

⁴ Composite 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	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
National	Core or More ²	1,451,549	69	20.8	1,423,506	47	21.4	1,366,601	54	21.6	1,290,372	33	21.5
	Less than Core	74,180	39	16.4	97,949	7	16.4	156,679	39	19.5	231,566	12	18.3
	Missing ³	43,106	34	15.7	47,380	16	17.5	45,555	25	17.3	46,897	10	17.4

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

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

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.

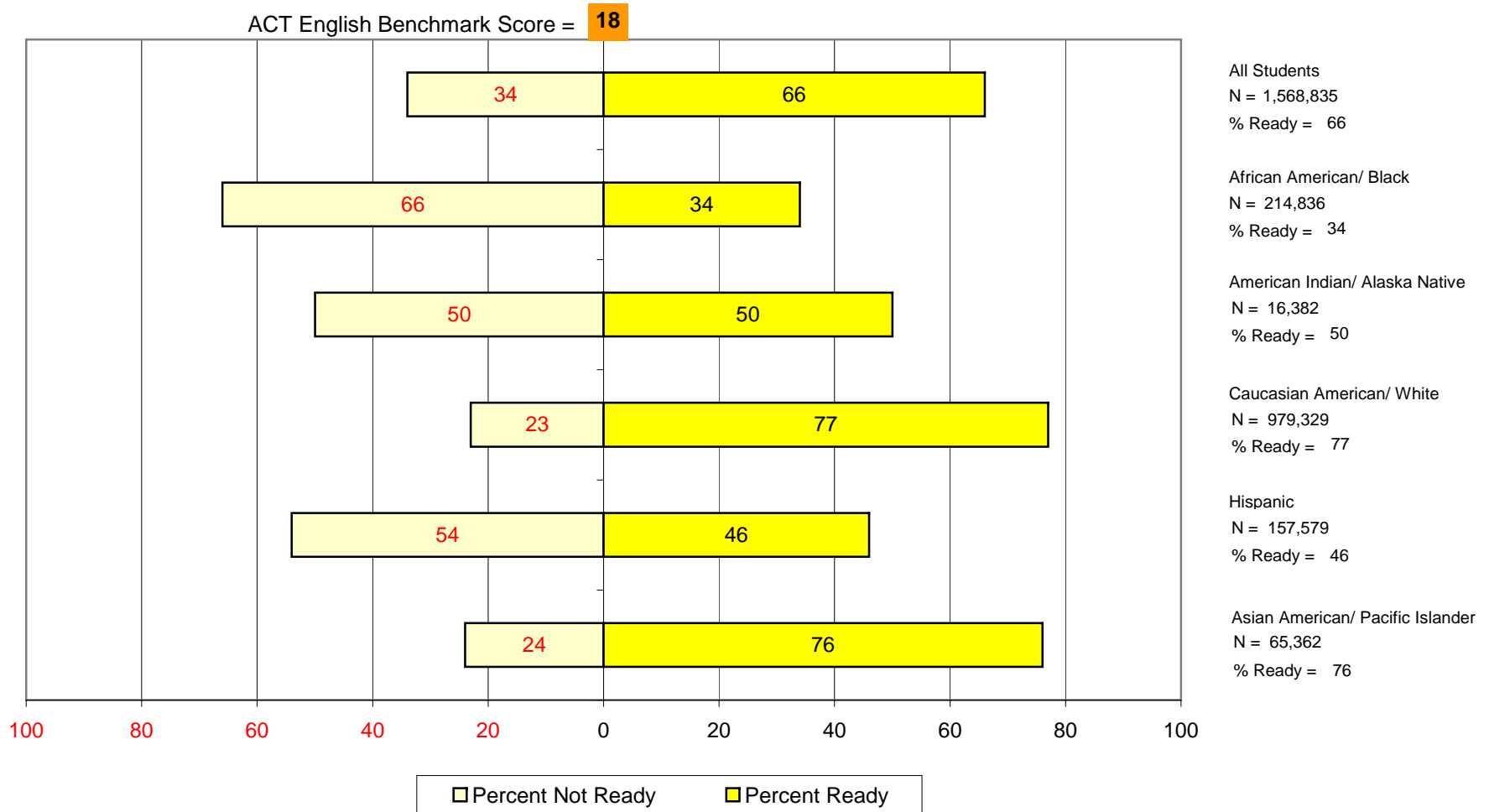
³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

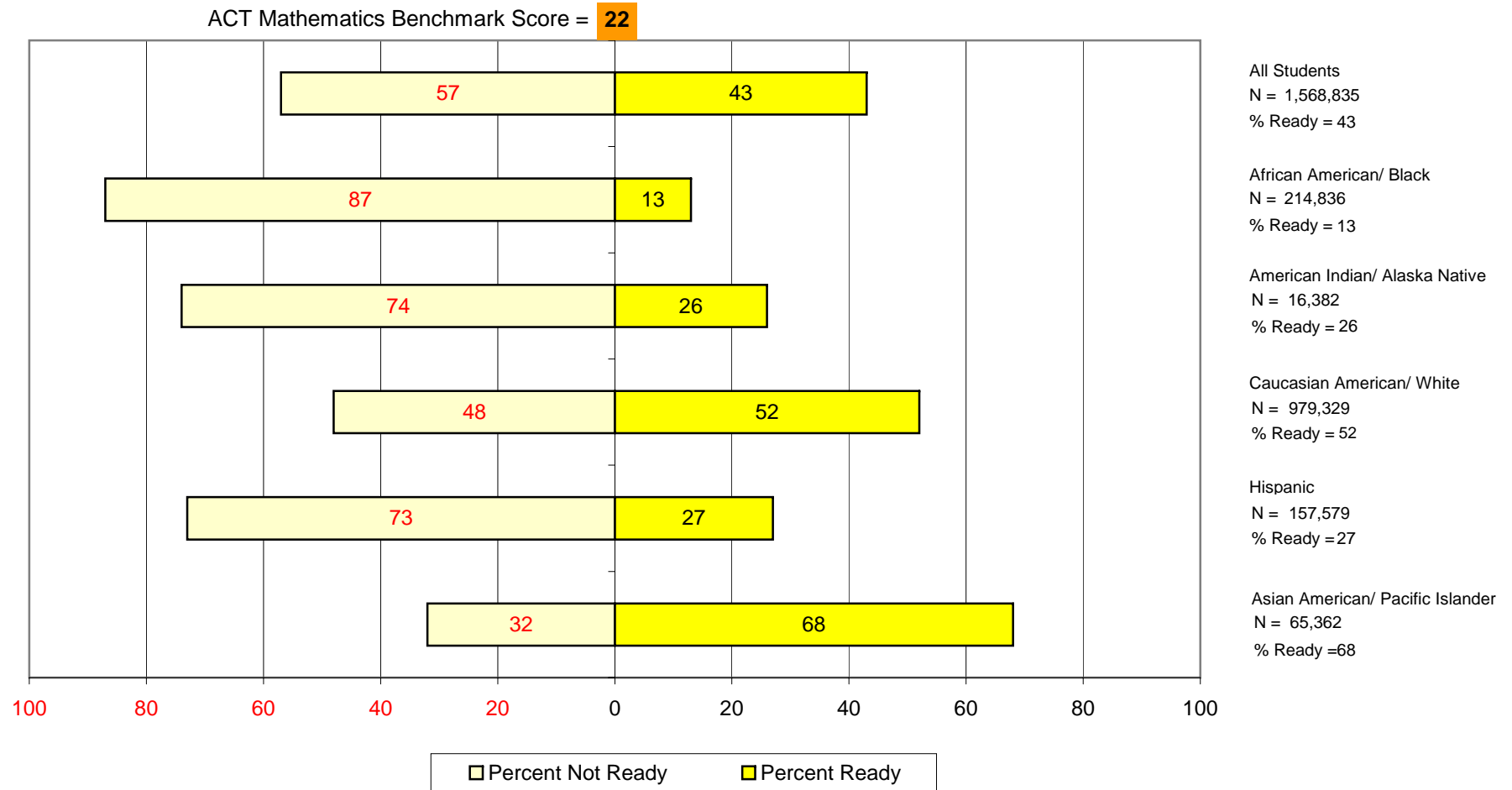
Total Students in Report: 1,568,835

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



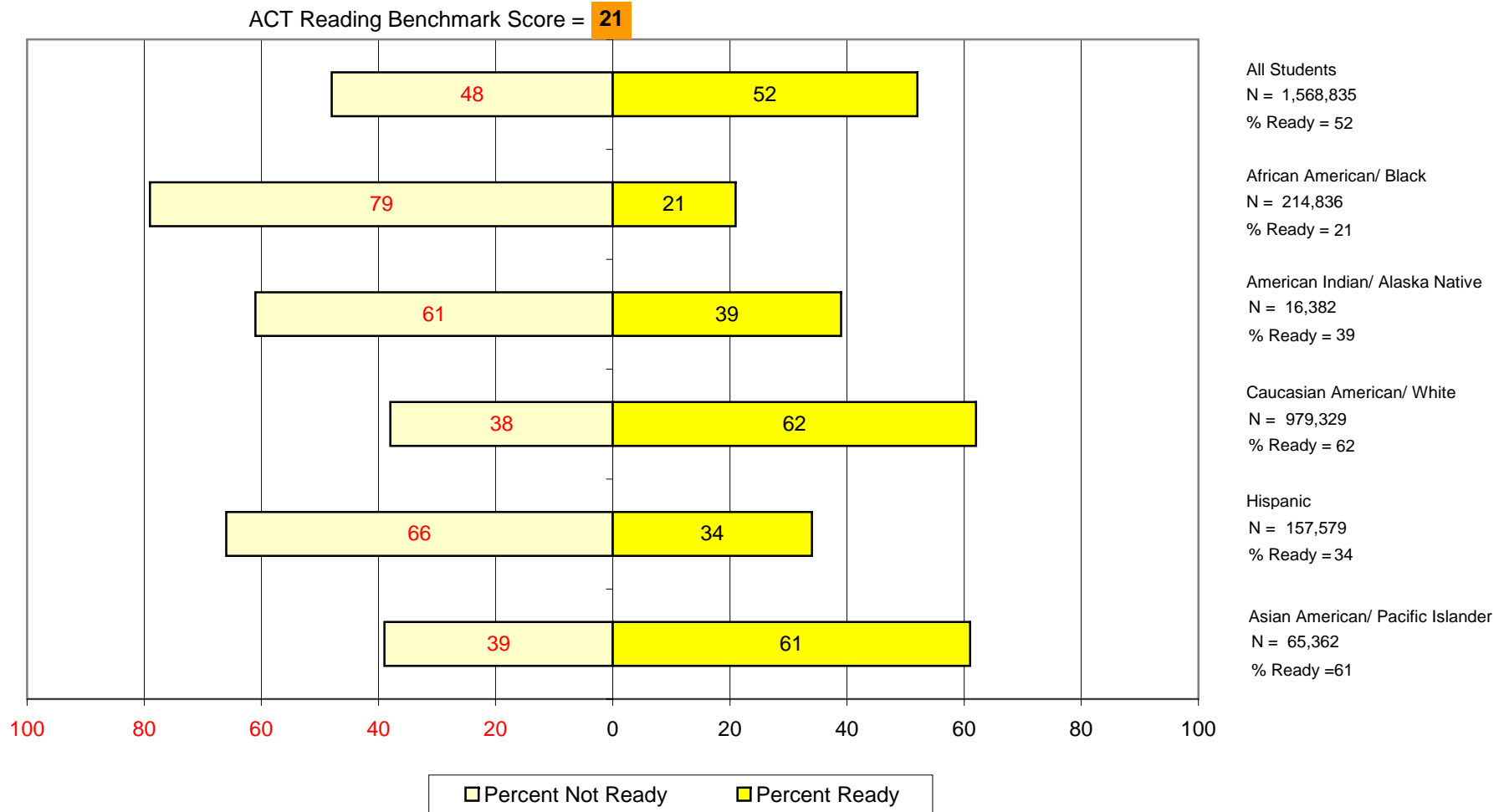
Total Students in Report: 1,568,835

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



Total Students in Report: 1,568,835

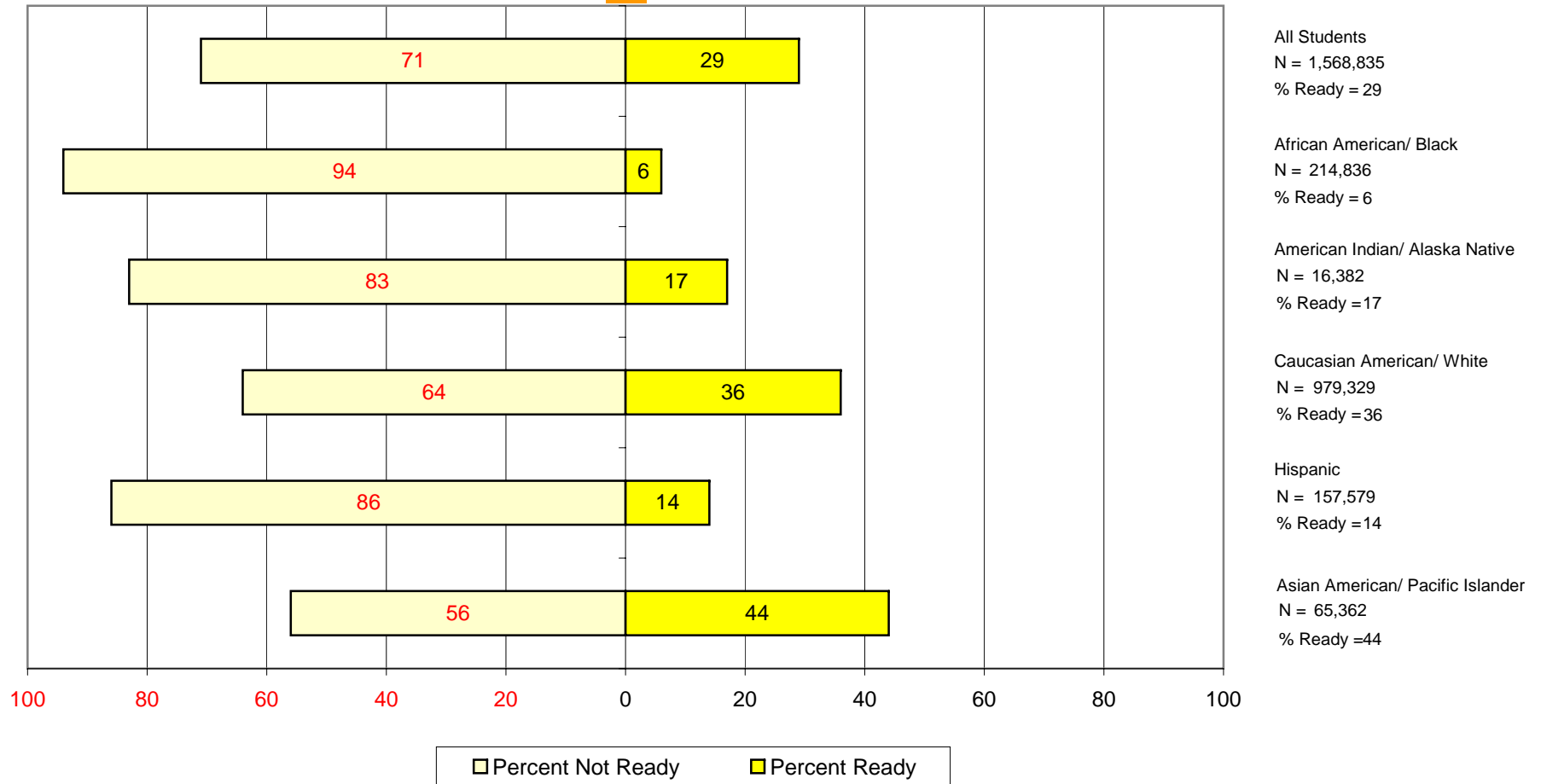
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



Total Students in Report: 1,568,835

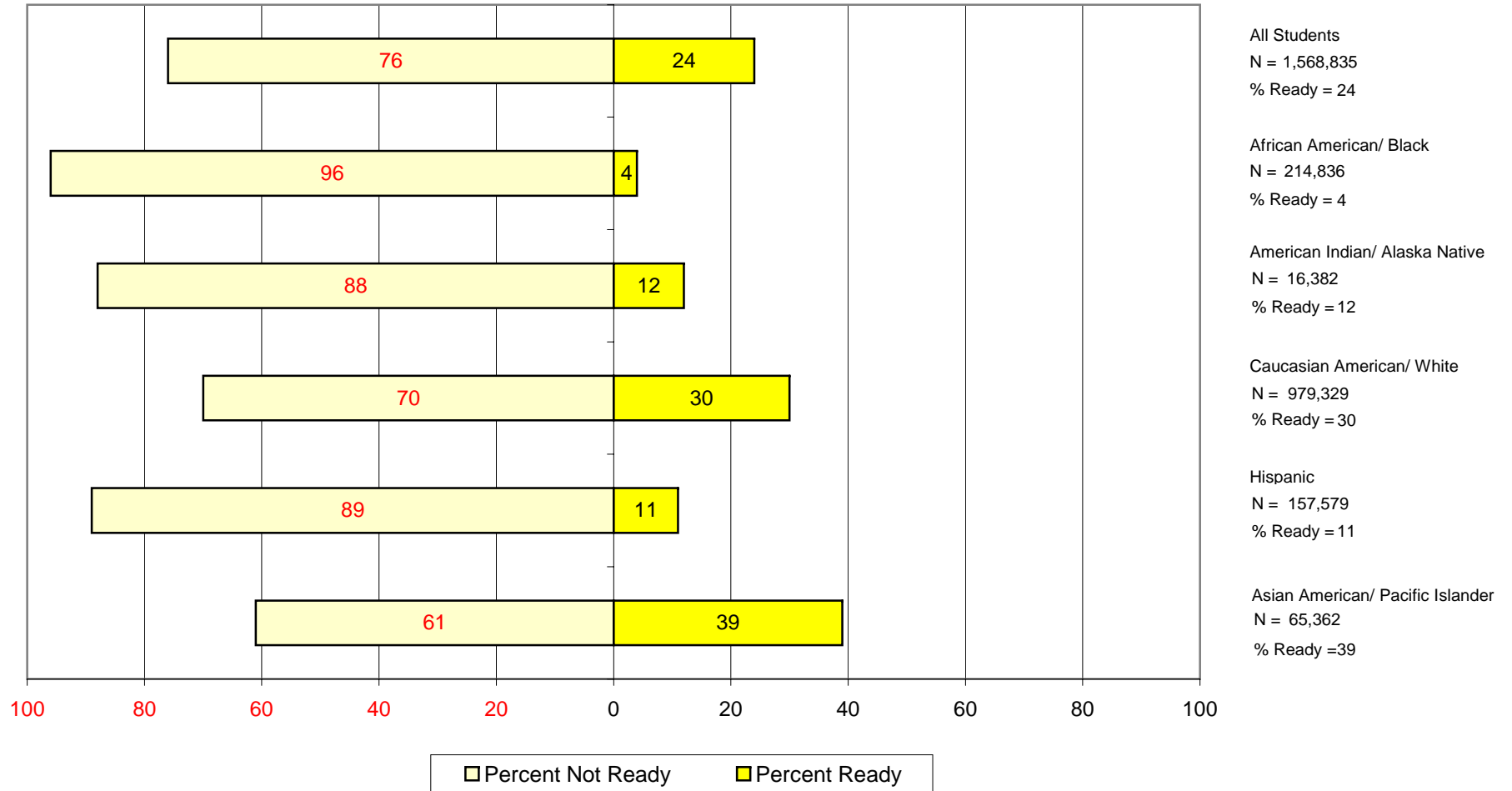
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24



Total Students in Report: 1,568,835

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



Total Students in Report: 1,568,835

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	355,112	23	21.9	5.5	147,532	21	21.4	5.5	207,268	24	22.2	5.3
Eng 9, Eng 10, Eng 11, Eng 12	1,096,437	70	20.5	4.1	504,917	71	20.2	4.3	590,111	69	20.8	3.9
Less than 4 years of English	74,180	5	16.4	-	38,245	5	15.9	-	35,448	4	16.9	-
Zero years / no English courses reported	43,106	3	15.7	-	22,850	3	15.4	-	19,666	2	16.1	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	98,076	6	24.4	8.0	44,918	6	25.2	8.6	53,035	6	23.7	7.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	141,740	9	22.1	5.7	54,664	8	22.8	6.2	86,947	10	21.7	5.5
Alg 1, Alg 2, Geom, & Trig	112,685	7	19.9	3.5	48,219	7	20.4	3.8	64,288	8	19.5	3.3
Alg 1, Alg 2, Geom, & Other Adv Math	239,289	15	20.0	3.6	92,655	13	20.5	3.9	146,363	17	19.8	3.6
Other comb of 4 or more years of Math	498,709	32	23.9	7.5	249,152	35	24.6	8.0	249,230	29	23.2	7.0
Alg 1, Alg 2, & Geom	258,287	16	17.4	1.0	114,371	16	17.7	1.1	143,297	17	17.1	0.9
Other comb of 3 or 3.5 years of Math	74,720	5	19.9	3.5	36,079	5	20.3	3.7	38,519	5	19.6	3.4
Less than 3 years of Math	97,949	6	16.4	-	48,440	7	16.6	-	49,102	6	16.2	-
Zero years / no Math courses reported	47,380	3	17.5	-	25,046	4	17.7	-	21,712	3	17.1	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	47,523	3	22.6	3.1	23,767	3	22.2	3.0	23,704	3	23.0	3.2
Other comb of 4 or more years Social Science	793,514	51	21.9	2.4	350,373	49	21.8	2.6	442,394	52	22.0	2.2
US Hist, World Hist, & Am Gov	86,044	5	20.4	0.9	42,065	6	20.2	1.0	43,825	5	20.5	0.7
Other comb of 3 or 3.5 years of Social Science	439,520	28	21.2	1.7	196,316	28	21.1	1.9	242,533	28	21.3	1.5
Less than 3 years of Social Science	156,679	10	19.5	-	76,751	11	19.2	-	79,362	9	19.8	-
Zero years / no Social Science courses reported	45,555	3	17.3	-	24,272	3	17.1	-	20,675	2	17.5	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	620,765	40	22.2	3.9	304,535	43	22.9	4.6	315,616	37	21.6	3.3
Bio, Chem, Phys	152,001	10	23.2	4.9	70,885	10	24.1	5.8	80,990	10	22.5	4.2
Gen Sci ² , Bio, Chem	474,375	30	20.1	1.8	185,069	26	20.3	2.0	288,607	34	20.0	1.7
Other comb of 3 years of Natural Science	43,231	3	19.7	1.4	23,394	3	20.3	2.0	19,734	2	19.0	0.7
Less than 3 years of Natural Science	231,566	15	18.3	-	104,773	15	18.3	-	126,157	15	18.3	-
Zero years / no Natural Science courses reported	46,897	3	17.4	-	24,888	3	17.6	-	21,389	3	17.2	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took

less than four years and three years of English and non-English content areas, respectively.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 1,568,835

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	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	1,096,437	70	20.5	66
Less than 4 years of English	74,180	5	16.4	39
Zero years / no English courses reported	43,106	3	15.7	34
MATHEMATICS COURSE PATTERN				
Alg 1, Alg 2, Geom, Trig, & Calc	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	239,289	15	20.0	36
Other comb of 4 or more years of Math	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	74,720	5	19.9	35
Less than 3 years of Math	97,949	6	16.4	7
Zero years / no Math courses reported	47,380	3	17.5	16
SOCIAL SCIENCE COURSE PATTERN				
US Hist, World Hist, Am Gov, & Other Hist	47,523	3	22.6	60
Other comb of 4 or more years Social Science	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	439,520	28	21.2	51
Less than 3 years of Social Science	156,679	10	19.5	39
Zero years / no Social Science courses reported	45,555	3	17.3	25
NATURAL SCIENCE COURSE PATTERN				
Gen Sci ¹ , Bio, Chem, & Phys	620,765	40	22.2	40
Bio, Chem, Phys	152,001	10	23.2	48
Gen Sci ¹ , Bio, Chem	474,375	30	20.1	21
Other comb of 3 years of Natural Science	43,231	3	19.7	21
Less than 3 years of Natural Science	231,566	15	18.3	12
Zero years / no Natural Science courses reported	46,897	3	17.4	10

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 1,568,835

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	24,026	2	18.9	4,238	4	16.3	18,269	1	19.6
Architecture & Environmental Design	29,311	2	21.0	1,787	2	16.3	25,580	2	21.4
Business & Management	143,049	9	20.9	6,436	6	16.3	126,393	10	21.2
Business & Office	10,447	1	18.8	1,333	1	16.1	8,101	1	19.4
Marketing & Distribution	12,295	1	20.3	633	1	16.0	10,815	1	20.6
Communications & Comm. Technologies	39,175	2	21.6	1,762	2	16.7	34,909	3	21.9
Community & Personal Services	45,469	3	18.2	7,752	7	16.3	34,426	3	18.7
Computer & Information Sciences	32,991	2	21.4	2,864	3	17.4	27,894	2	21.8
Cross-Disciplinary Studies	2,735	0	23.8	64	0	16.1	2,431	0	24.1
Education	62,108	4	20.7	2,015	2	16.1	56,274	4	21.0
Teacher Education	44,551	3	20.1	1,652	2	16.0	40,320	3	20.4
Engineering	73,742	5	23.2	4,627	4	15.7	65,033	5	23.8
Engineering-Related Technologies	47,717	3	21.9	3,832	4	16.3	40,761	3	22.5
Foreign Languages	8,736	1	23.2	335	0	16.5	7,606	1	23.6
Health Sciences & Allied Health Fields	317,141	20	20.7	20,102	19	16.7	280,648	22	21.0
Human, Family & Consumer Science	20,798	1	18.4	3,501	3	16.4	15,604	1	18.9
Letters	10,587	1	24.5	326	0	18.4	9,570	1	24.8
Mathematics	11,847	1	23.9	327	0	16.3	10,612	1	24.3
Philosophy, Religion & Theology	7,826	0	22.3	262	0	17.8	6,918	1	22.5
Sciences (Biological & Physical)	96,915	6	23.8	1,243	1	17.4	90,166	7	23.9
Social Sciences	101,233	6	22.3	1,430	1	16.8	94,287	7	22.4
Trade & Industrial	19,040	1	17.4	10,062	10	16.7	7,484	1	18.6
Visual & Performing Arts	96,908	6	20.9	8,117	8	16.9	80,601	6	21.4
Undecided	227,307	14	21.7	14,006	14	16.5	181,461	14	22.2
No Response	82,881	5	17.1	4,894	5	14.4	9,290	1	17.4

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, 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: 1,568,835

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	25,412	16.2	3,133	14.1	419	15.3	16,584	16.8	2,740	15.0	218	16.3	2,318	15.9
2-yr College Degree	78,188	16.5	13,340	14.3	1,194	15.8	46,085	17.6	9,952	15.2	1,102	16.4	6,515	16.1
Bachelors Degree	594,890	20.3	72,779	16.3	6,291	18.7	410,221	21.4	50,195	17.9	16,075	20.8	39,329	19.7
Graduate Study	263,404	23.2	26,642	18.3	2,010	21.0	181,300	24.2	21,175	20.6	11,526	24.3	20,751	22.7
Prof. Level Degree	427,159	22.6	68,262	18.3	4,233	20.8	236,359	24.2	49,137	20.1	28,380	25.2	40,788	22.4
Other	41,028	17.9	7,545	15.2	552	16.8	21,863	19.2	4,659	16.3	1,346	19.7	5,063	17.9
No Response	138,754	19.5	23,135	15.4	1,683	16.9	66,917	21.4	19,721	16.9	6,715	23.0	20,583	19.3

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: 1,568,835

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	869,014	21.4	7.1	20.8
African American/Black	107,638	16.4	6.4	16.4
American Indian/Alaska Native	6,232	18.9	6.6	18.4
Caucasian American/White	518,004	23.0	7.3	22.1
Hispanic	101,126	18.1	6.9	18.1
Asian American/Pacific Islander	49,922	23.6	7.7	22.9
Other/No Response	86,092	21.0	7.1	20.4
Males	384,152	21.1	6.9	20.3
Females	484,023	21.7	7.3	21.2
Missing	839	16.8	6.3	16.6

