

ACT Profile Report - State

Graduating Class 2010
New York



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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

40% 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: 50,262 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. 79% 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, 26% were college ready. 3% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 20% of these students were college ready. In comparison, 71% 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 6% of the cohort took less than three years of natural science courses. 11% of these students were college ready. In comparison, 49% 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 26% 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.

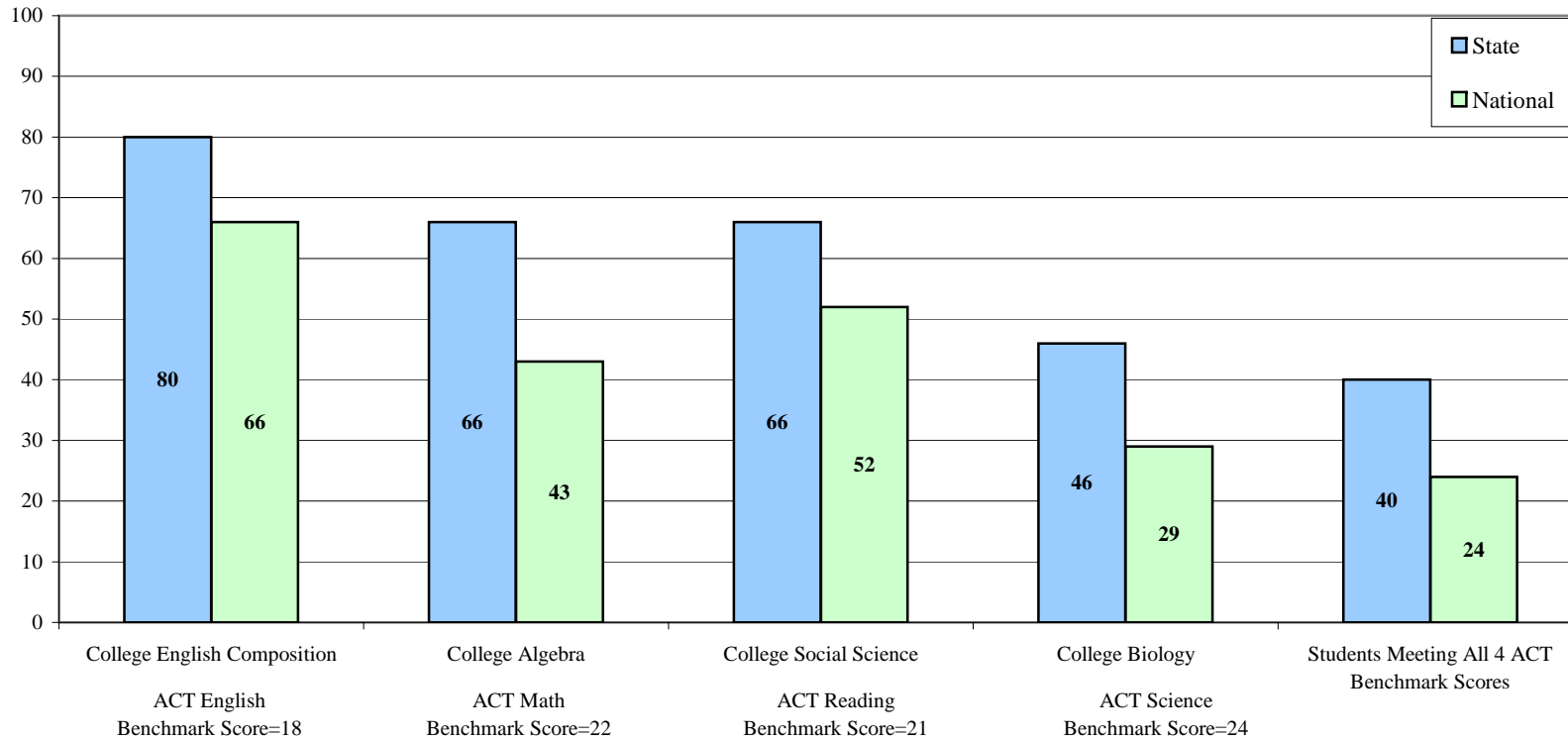
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 508-229-0111.

Section I

Executive Summary

Total Students in Report: 50,262

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: 50,262

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

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
2006	29,967	1,206,455	77	69	59	42	63	53	37	27	31	21
2007	37,863	1,300,599	79	69	61	43	65	53	42	28	35	23
2008	44,311	1,421,941	79	68	63	43	66	53	43	28	36	22
2009	47,520	1,480,469	80	67	62	42	66	53	42	28	36	23
2010	50,262	1,568,835	80	66	66	43	66	52	46	29	40	24

Table 1.2. Five Year Trends—Average ACT Scores

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
2006	29,967	1,206,455	21.8	20.6	22.9	20.8	22.9	21.4	22.3	20.9	22.6	21.1
2007	37,863	1,300,599	22.0	20.7	23.1	21.0	23.1	21.5	22.7	21.0	22.9	21.2
2008	44,311	1,421,941	22.3	20.6	23.5	21.0	23.3	21.4	22.8	20.8	23.1	21.1
2009	47,520	1,480,469	22.5	20.6	23.4	21.0	23.3	21.4	22.7	20.9	23.1	21.1
2010	50,262	1,568,835	22.7	20.5	23.6	21.0	23.3	21.3	23.1	20.9	23.3	21.0

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: 50,262

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
					English		Mathematics		Reading		Science		Composite	
	Core or More ¹	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	Core or More	Less than Core	Core or More	Less than Core
2006	14,869	9,420	50	31	22.7	20.3	23.9	21.4	23.8	21.5	23.0	21.2	23.5	21.2
2007	17,944	12,175	47	32	22.9	20.7	24.0	21.8	24.0	22.0	23.6	21.7	23.8	21.7
2008	27,558	10,701	62	24	23.0	20.8	24.2	22.0	23.8	22.0	23.3	21.6	23.7	21.7
2009	37,666	8,710	79	18	23.1	20.4	24.0	21.1	23.9	21.3	23.3	20.9	23.7	21.1
2010	39,801	9,509	79	19	23.3	20.5	24.2	21.3	23.9	21.3	23.6	21.2	23.9	21.2

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.

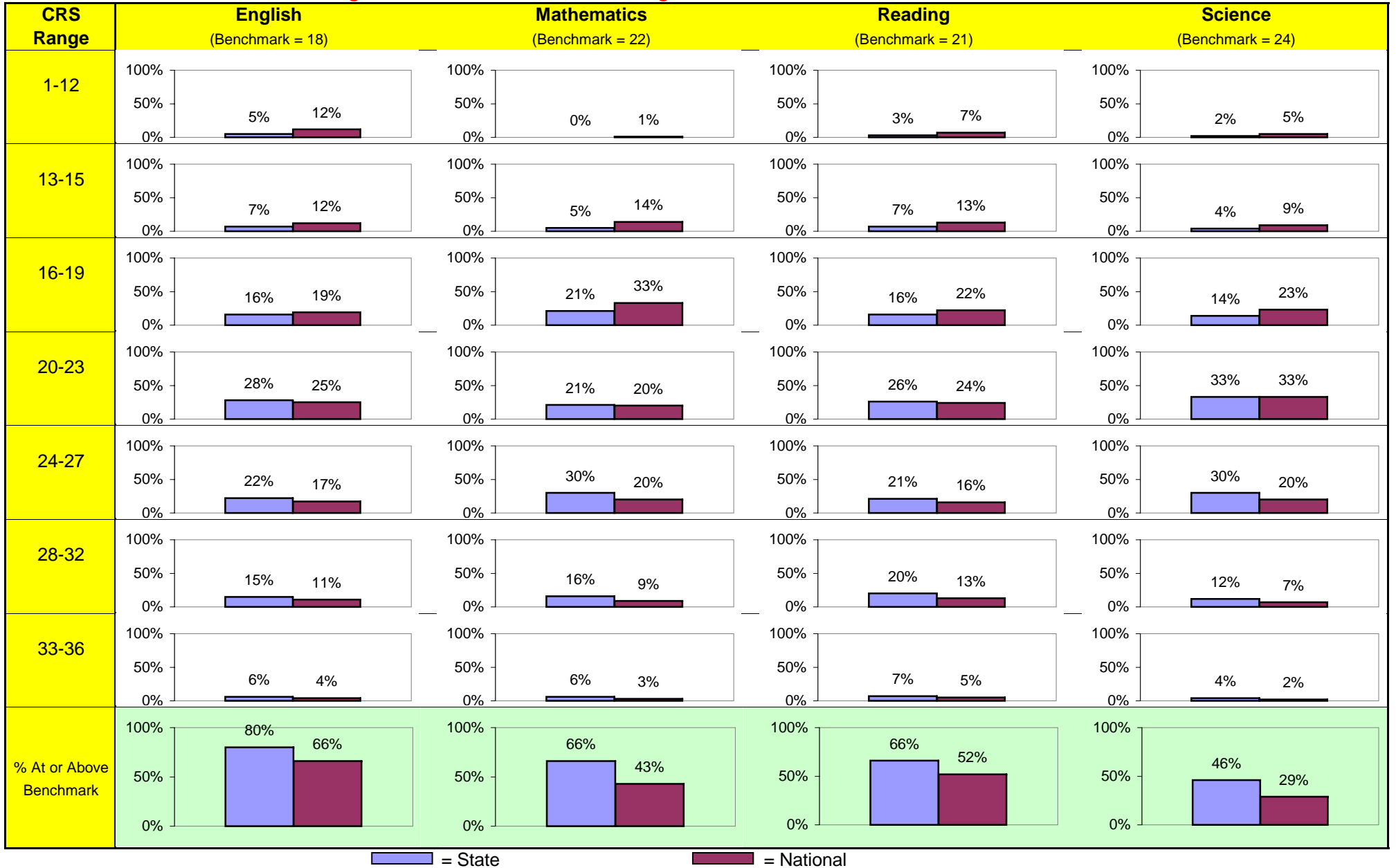
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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	29,967	100	22.6	37,863	100	22.9	44,311	100	23.1	47,520	100	23.1	50,262	100	23.3
African American/Black	1,942	6	18.3	2,440	6	18.4	2,694	6	18.6	3,208	7	18.7	3,515	7	18.7
American Indian/Alaska Native	104	0	20.4	108	0	21.7	117	0	21.6	127	0	21.7	162	0	21.4
Caucasian American/White	18,952	63	22.9	21,664	57	23.3	28,422	64	23.4	32,961	69	23.6	34,501	69	23.8
Hispanic	1,278	4	20.3	1,860	5	20.2	2,494	6	20.5	2,994	6	20.4	3,586	7	20.4
Asian American/Pacific Islander	1,156	4	24.5	1,452	4	24.7	2,137	5	24.8	2,709	6	25.2	3,220	6	25.6
Other/No Response	6,535	22	23.0	10,339	27	23.4	8,447	19	23.9	5,521	12	23.6	5,278	11	23.4

Total Students in Report: 50,262

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



Section II

Academic Achievement

Total Students in Report: 50,262

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	213	100	236	100	436	100	254	100	23	100	36
35	866	100	918	100	681	99	472	99	209	100	35
34	1,093	98	885	98	1,355	98	418	99	503	100	34
33	1,029	96	1,057	96	1,123	95	750	98	779	99	33
32	923	94	1,080	94	1,723	93	307	96	1,050	97	32
31	1,210	92	1,122	92	1,726	89	1,068	96	1,446	95	31
30	1,552	89	1,765	89	2,143	86	1,298	93	1,747	92	30
29	1,548	86	1,506	86	2,079	82	1,435	91	2,142	89	29
28	2,459	83	2,698	83	2,181	78	2,037	88	2,607	84	28
27	2,126	78	3,199	78	2,217	73	3,179	84	2,852	79	27
26	2,936	74	3,518	71	2,340	69	2,710	78	3,350	73	26
25	2,852	68	3,852	64	3,072	64	4,899	72	3,770	67	25
24	3,332	63	4,571	57	2,685	58	4,430	63	3,981	59	24
23	3,322	56	3,665	47	3,193	53	4,896	54	3,790	51	23
22	3,195	49	2,908	40	3,575	46	3,734	44	3,831	44	22
21	4,089	43	1,800	34	2,605	39	4,176	37	3,461	36	21
20	3,249	35	2,383	31	3,575	34	3,916	28	3,136	29	20
19	2,628	28	2,379	26	2,201	27	2,448	20	2,690	23	19
18	1,817	23	2,468	21	2,115	23	2,234	16	2,285	18	18
17	1,661	20	2,910	16	2,364	18	1,436	11	1,970	13	17
16	2,071	16	2,888	11	1,541	14	982	8	1,513	9	16
15	1,610	12	1,502	5	1,448	11	931	6	1,112	6	15
14	1,269	9	636	2	1,500	8	593	4	869	4	14
13	593	6	198	1	821	5	685	3	560	2	13
12	683	5	80	1	687	3	340	2	338	1	12
11	680	4	19	1	450	2	248	1	158	1	11
10	443	2	12	1	210	1	182	1	56	1	10
9	401	2	3	1	105	1	96	1	22	1	9
8	250	1	3	1	56	1	55	1	9	1	8
7	97	1	1	1	27	1	18	1	2	1	7
6	49	1	0	1	9	1	22	1	0	1	6
5	14	1	0	1	15	1	6	1	1	1	5
4	1	1	0	1	2	1	2	1	0	1	4
3	0	1	0	1	1	1	3	1	0	1	3
2	1	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	2	1	0	1	1
Avg (SD)	22.7 (6.0)		23.6 (5.3)		23.3 (6.0)		23.1 (4.8)		23.3 (5.0)		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: 50,262

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	2,834	100	840	100	1,862	100	1,940	100	4,136	100	965	100	844	100	18
17	2,655	94	740	98	3,024	96	6,558	96	4,347	92	1,265	98	918	98	17
16	3,283	89	3,731	97	4,370	90	3,013	83	4,467	83	2,635	96	2,587	96	16
15	3,952	83	4,998	89	3,957	82	5,315	77	4,644	74	2,933	90	5,017	91	15
14	3,454	75	4,589	79	3,918	74	3,017	67	4,509	65	7,137	84	5,802	81	14
13	3,937	68	5,485	70	3,559	66	4,737	61	4,387	56	6,751	70	6,734	70	13
12	4,090	60	6,613	59	5,474	59	4,504	51	4,785	47	6,676	57	6,180	56	12
11	4,713	52	6,698	46	4,992	48	5,554	42	4,637	38	6,637	44	5,217	44	11
10	6,226	42	4,370	33	4,236	38	3,605	31	3,634	29	5,515	30	6,514	34	10
9	4,246	30	4,568	24	5,805	30	2,822	24	3,658	21	4,469	19	3,491	21	9
8	2,995	22	3,017	15	3,091	18	2,876	18	3,128	14	2,681	11	3,180	14	8
7	2,840	16	1,912	9	3,088	12	2,029	13	2,513	8	1,050	5	1,308	8	7
6	2,084	10	852	5	1,318	6	1,828	9	1,023	3	518	3	1,247	5	6
5	1,253	6	844	4	811	3	1,632	5	225	1	564	2	421	2	5
4	989	3	593	2	297	2	471	2	116	1	90	1	354	2	4
3	497	1	341	1	292	1	262	1	44	1	292	1	185	1	3
2	196	1	63	1	120	1	94	1	6	1	2	1	219	1	2
1	18	1	8	1	48	1	5	1	3	1	82	1	44	1	1
Avg (SD)	11.5 (3.8)		11.7 (3.1)		11.8 (3.5)		12.2 (3.7)		12.7 (3.4)		11.9 (2.8)		11.8 (3.0)		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)	27	27	28	26	27
Q2 (50th Percentile)	23	24	23	23	23
Q1 (25th Percentile)	19	19	19	20	20

Total Students in Report: 50,262

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
State	All Students	50,262	79	23.9	21.2
	African American/Black	3,515	65	19.6	17.2
	American Indian/Alaska Native	162	62	23.0	18.6
	Caucasian American/White	34,501	81	24.3	22.0
	Hispanic	3,586	72	21.1	18.7
	Asian American/Pacific Islander	3,220	84	25.9	24.5
	Other/No Response	5,278	77	24.0	21.5
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
State	All Students	22.7	23.6	23.3	23.1	23.3
	African American/Black	17.8	19.1	18.7	18.8	18.7
	American Indian/Alaska Native	20.1	22.0	21.1	21.7	21.4
	Caucasian American/White	23.3	24.0	23.9	23.7	23.8
	Hispanic	19.4	20.7	20.5	20.3	20.4
	Asian American/Pacific Islander	24.7	27.5	25.0	24.9	25.6
	Other/No Response	22.9	23.6	23.5	22.8	23.4
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: 50,262

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	3,201	6	3,096	6	3,595	7	1,894	4
	28 to 32	7,692	15	8,171	16	9,852	20	6,145	12
	24 to 27	11,246	22	15,140	30	10,314	21	15,218	30
	20 to 23	13,855	28	10,756	21	12,948	26	16,722	33
	16 to 19	8,177	16	10,645	21	8,221	16	7,100	14
	13 to 15	3,472	7	2,336	5	3,769	7	2,209	4
	01 to 12	2,619	5	118	0	1,563	3	974	2
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
State	Males	21,582	43	22.4	24.4	23.3	23.8	23.6
	Females	28,664	57	22.9	22.9	23.4	22.5	23.1
	Missing	16	0	17.3	18.6	19.0	18.9	18.5
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				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	79	71	65	53	45
	Females	82	61	66	41	36
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 50,262

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
State	Core or More ²	39,801	85	23.3	71	24.2	70	23.9	50	23.6	44	23.9
	Less than Core	9,509	66	20.5	46	21.3	51	21.3	31	21.2	26	21.2
	Missing ³	952	54	18.5	34	19.7	40	19.8	21	19.7	14	19.6
National	Core or More	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	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
State	Core or More ²	48,562	81	22.8	46,416	69	24.0	44,612	67	23.4	46,270	49	23.4
	Less than Core	974	61	19.2	2,931	26	18.9	4,911	62	22.9	3,253	11	18.5
	Missing ³	726	55	18.5	915	33	19.7	739	41	19.8	739	22	19.7
National	Core or More	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	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.

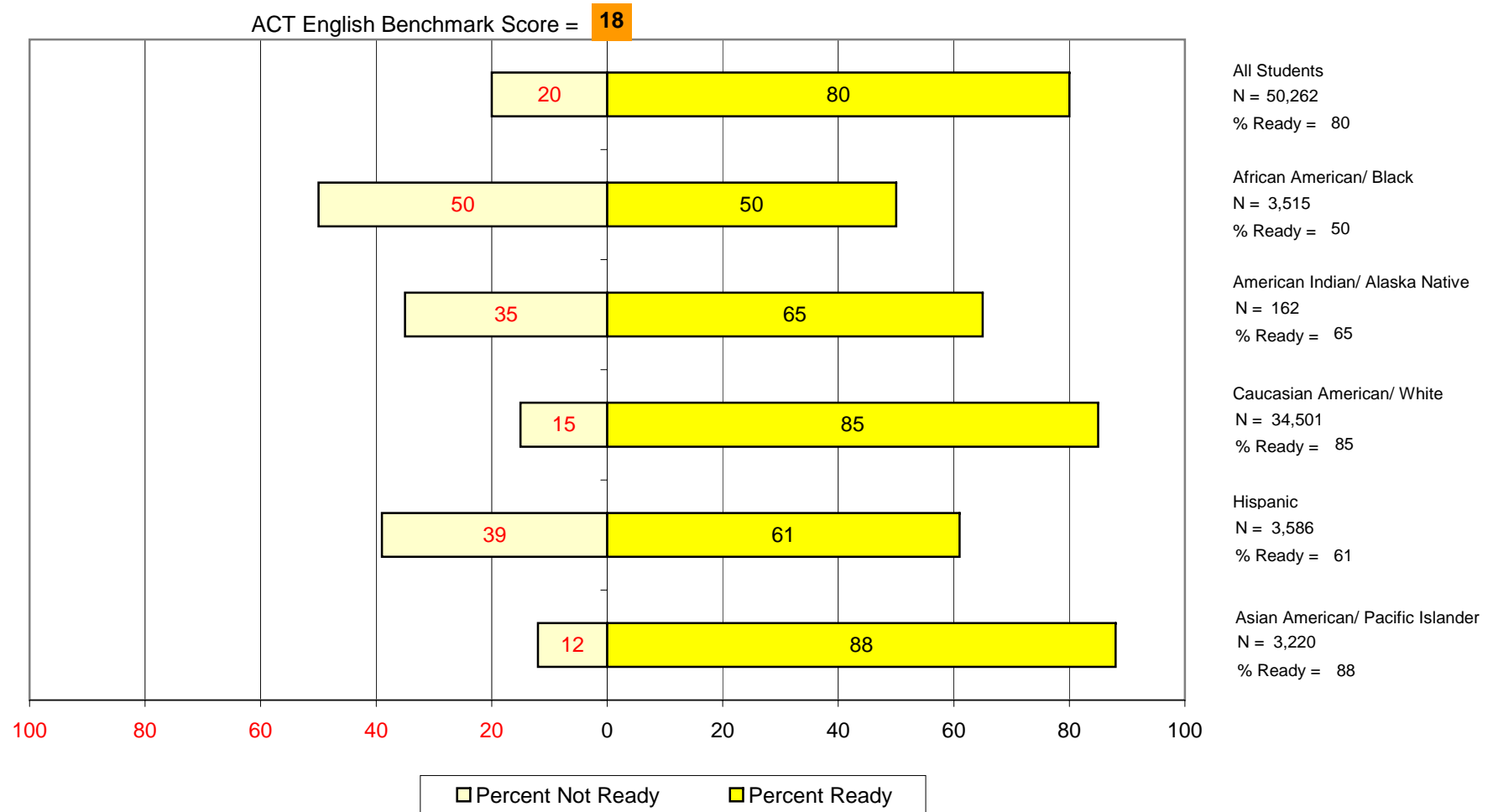
³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

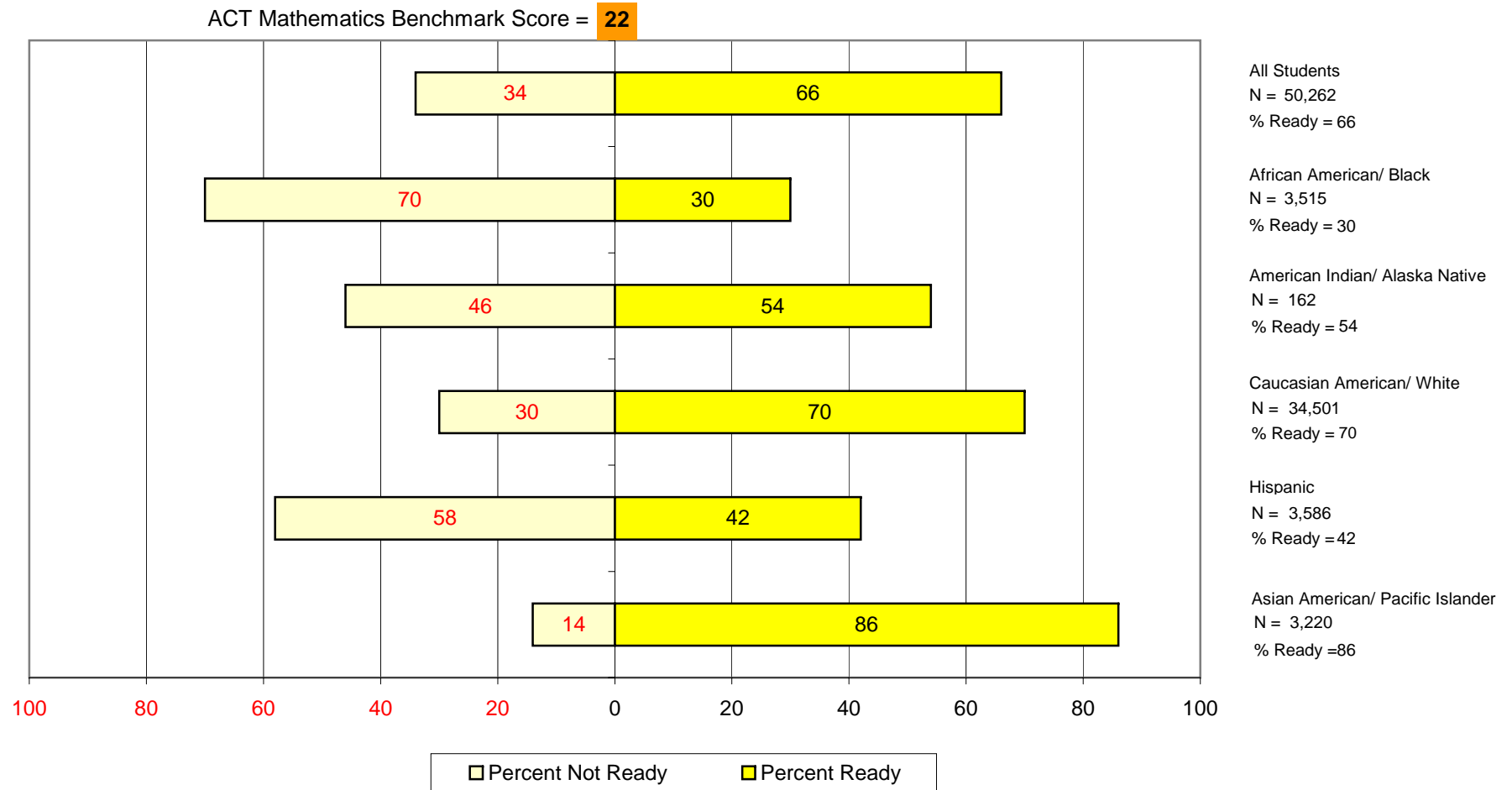
Total Students in Report: 50,262

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



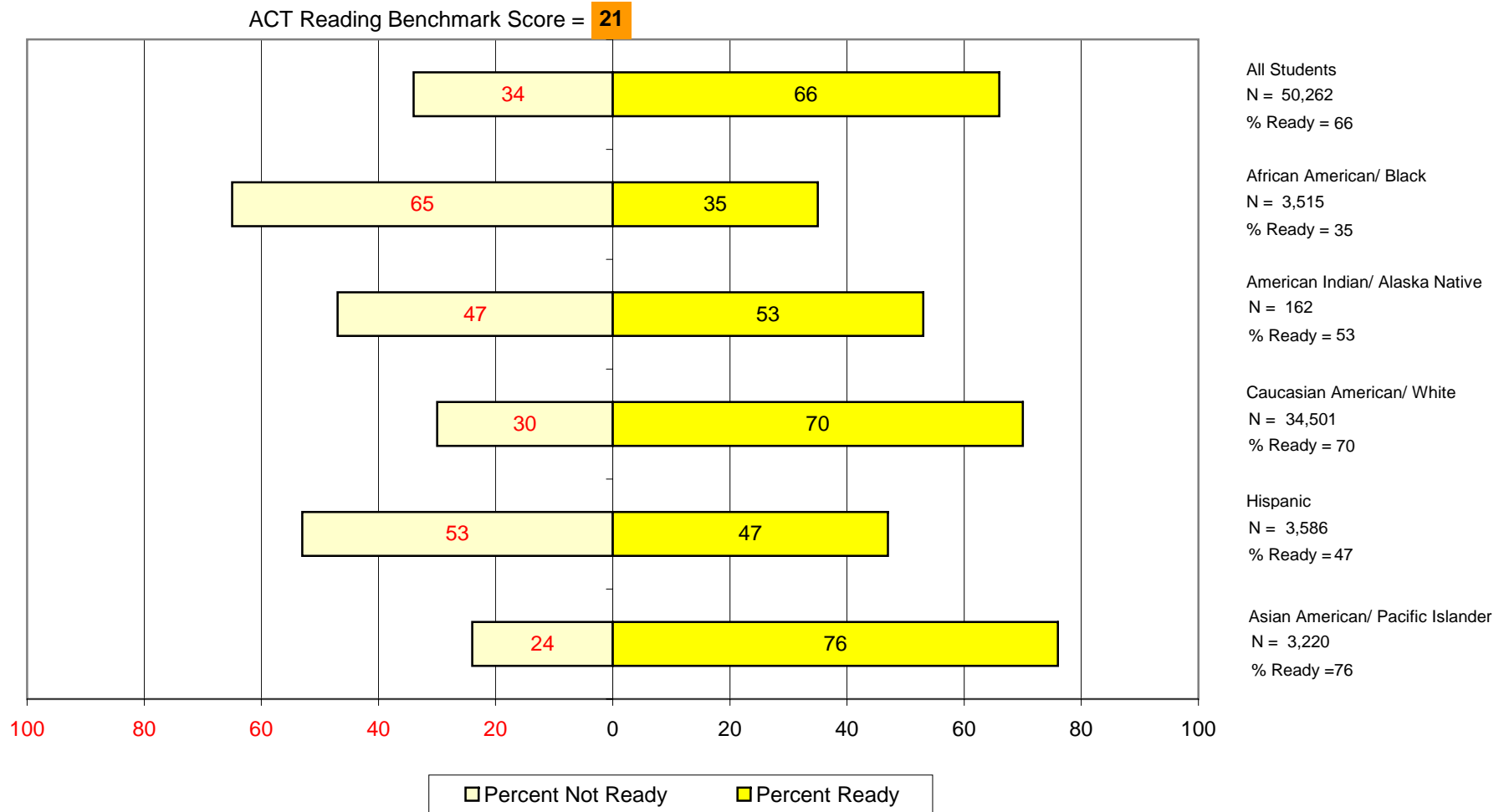
Total Students in Report: 50,262

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



Total Students in Report: 50,262

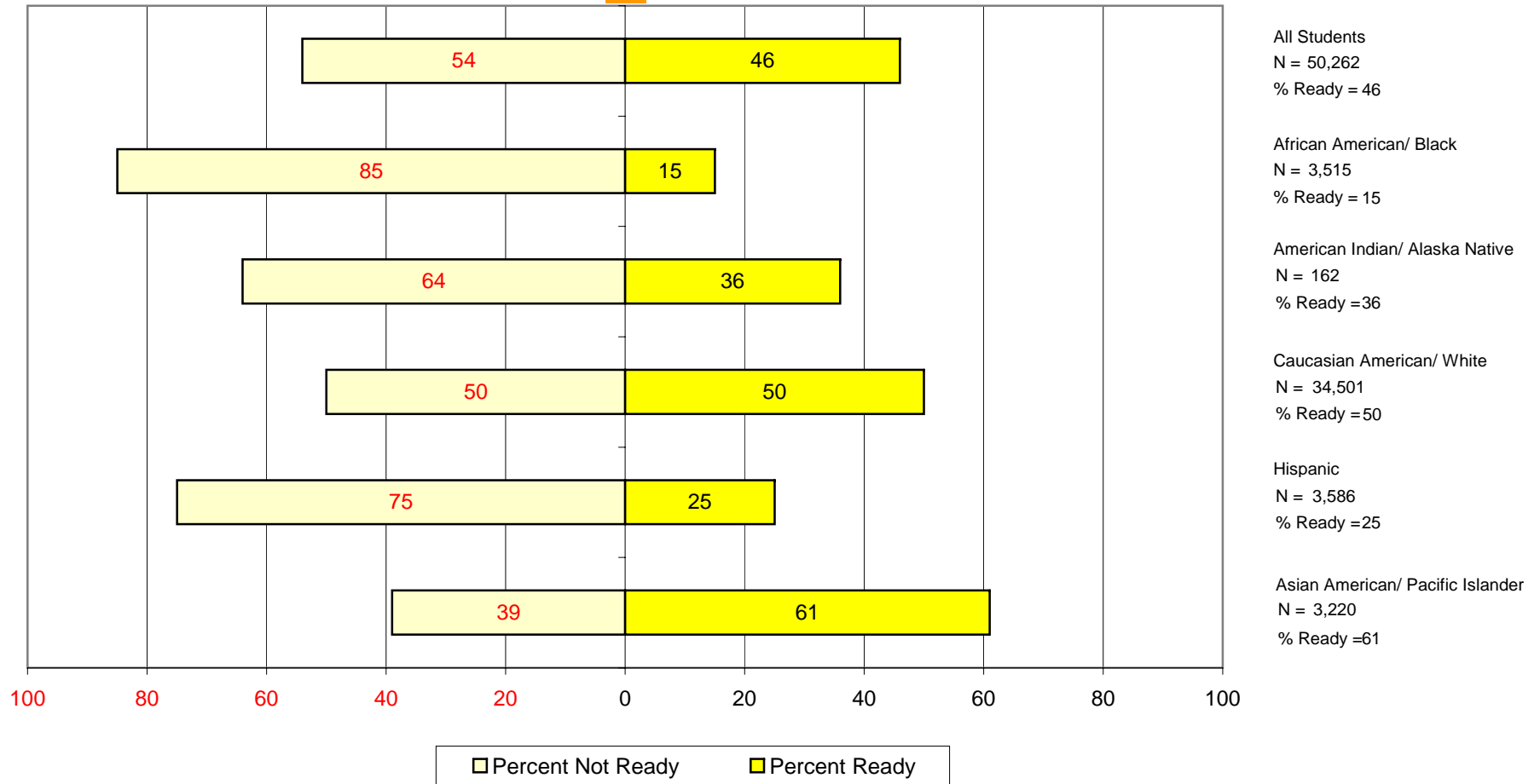
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



Total Students in Report: 50,262

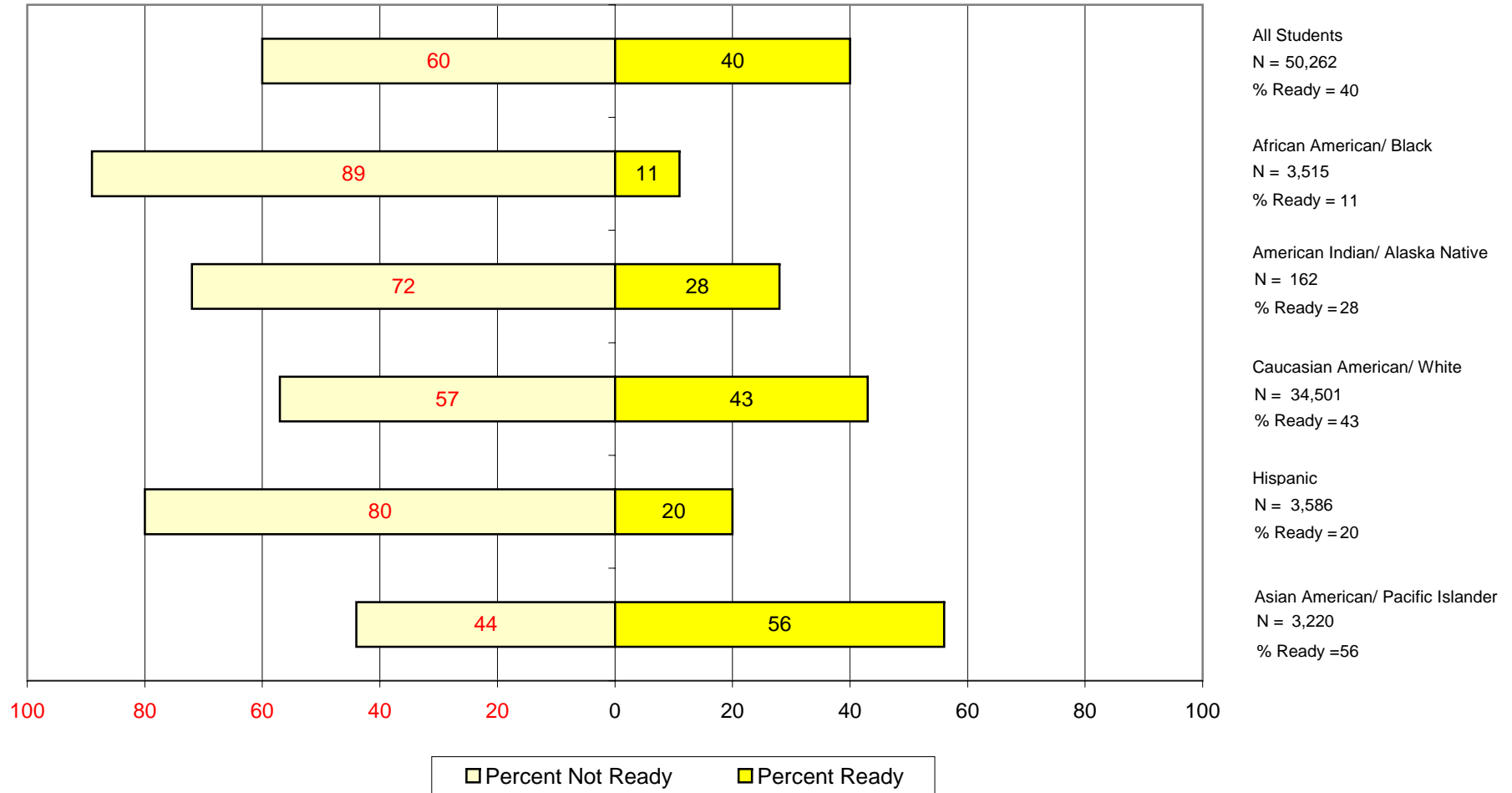
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24



Total Students in Report: 50,262

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



Total Students in Report: 50,262

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	15,547	31	23.4	4.2	6,123	28	23.0	3.8	9,424	33	23.6	4.5
Eng 9, Eng 10, Eng 11, Eng 12	33,015	66	22.5	3.3	14,627	68	22.3	3.1	18,384	64	22.7	3.6
Less than 4 years of English	974	2	19.2	-	444	2	19.2	-	528	2	19.1	-
Zero years / no English courses reported	726	1	18.5	-	388	2	18.4	-	328	1	18.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	6,924	14	25.4	6.5	2,885	13	26.2	6.8	4,038	14	24.8	6.2
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,358	15	22.8	3.9	2,726	13	23.4	4.0	4,631	16	22.4	3.8
Alg 1, Alg 2, Geom, & Trig	5,765	11	20.7	1.8	2,125	10	21.3	1.9	3,639	13	20.4	1.8
Alg 1, Alg 2, Geom, & Other Adv Math	1,213	2	20.3	1.4	458	2	20.5	1.1	755	3	20.2	1.6
Other comb of 4 or more years of Math	21,434	43	25.6	6.7	10,218	47	26.3	6.9	11,216	39	24.9	6.3
Alg 1, Alg 2, & Geom	1,612	3	18.2	-0.7	641	3	18.5	-0.9	971	3	18.1	-0.5
Other comb of 3 or 3.5 years of Math	2,110	4	22.1	3.2	911	4	22.6	3.2	1,199	4	21.7	3.1
Less than 3 years of Math	2,931	6	18.9	-	1,159	5	19.4	-	1,770	6	18.6	-
Zero years / no Math courses reported	915	2	19.7	-	459	2	20.1	-	445	2	19.4	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,421	3	24.0	1.1	719	3	23.5	0.4	702	2	24.5	1.8
Other comb of 4 or more years Social Science	28,953	58	23.4	0.5	12,032	56	23.4	0.3	16,920	59	23.4	0.7
US Hist, World Hist, & Am Gov	1,242	2	23.5	0.6	615	3	22.8	-0.3	627	2	24.1	1.4
Other comb of 3 or 3.5 years of Social Science	12,996	26	23.5	0.6	5,569	26	23.5	0.4	7,427	26	23.6	0.9
Less than 3 years of Social Science	4,911	10	22.9	-	2,250	10	23.1	-	2,656	9	22.7	-
Zero years / no Social Science courses reported	739	1	19.8	-	397	2	19.7	-	332	1	20.0	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	30,565	61	24.3	5.8	14,373	67	24.9	6.2	16,189	56	23.7	5.3
Bio, Chem, Phys	2,892	6	24.3	5.8	1,174	5	25.4	6.7	1,718	6	23.5	5.1
Gen Sci ² , Bio, Chem	11,909	24	21.3	2.8	3,916	18	21.6	2.9	7,992	28	21.2	2.8
Other comb of 3 years of Natural Science	904	2	20.5	2.0	448	2	21.3	2.6	456	2	19.8	1.4
Less than 3 years of Natural Science	3,253	6	18.5	-	1,279	6	18.7	-	1,972	7	18.4	-
Zero years / no Natural Science courses reported	739	1	19.7	-	392	2	19.7	-	337	1	19.8	-

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: 50,262

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	15,547	31	23.4	84	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	33,015	66	22.5	80	1,096,437	70	20.5	66
Less than 4 years of English	974	2	19.2	61	74,180	5	16.4	39
Zero years / no English courses reported	726	1	18.5	55	43,106	3	15.7	34
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	6,924	14	25.4	82	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	7,358	15	22.8	66	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	5,765	11	20.7	44	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	1,213	2	20.3	41	239,289	15	20.0	36
Other comb of 4 or more years of Math	21,434	43	25.6	79	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	1,612	3	18.2	20	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	2,110	4	22.1	55	74,720	5	19.9	35
Less than 3 years of Math	2,931	6	18.9	26	97,949	6	16.4	7
Zero years / no Math courses reported	915	2	19.7	33	47,380	3	17.5	16
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,421	3	24.0	69	47,523	3	22.6	60
Other comb of 4 or more years Social Science	28,953	58	23.4	67	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	1,242	2	23.5	65	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	12,996	26	23.5	67	439,520	28	21.2	51
Less than 3 years of Social Science	4,911	10	22.9	62	156,679	10	19.5	39
Zero years / no Social Science courses reported	739	1	19.8	41	45,555	3	17.3	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	30,565	61	24.3	57	620,765	40	22.2	40
Bio, Chem, Phys	2,892	6	24.3	55	152,001	10	23.2	48
Gen Sci ¹ , Bio, Chem	11,909	24	21.3	29	474,375	30	20.1	21
Other comb of 3 years of Natural Science	904	2	20.5	26	43,231	3	19.7	21
Less than 3 years of Natural Science	3,253	6	18.5	11	231,566	15	18.3	12
Zero years / no Natural Science courses reported	739	1	19.7	22	46,897	3	17.4	10

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 50,262

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	243	0	21.7	25	4	18.2	197	0	22.1
Architecture & Environmental Design	777	2	23.2	11	2	17.1	679	2	23.3
Business & Management	5,309	11	22.8	56	10	17.6	4,553	11	22.9
Business & Office	240	0	21.2	7	1	15.1	186	0	21.5
Marketing & Distribution	466	1	21.5	0	0	.	388	1	21.5
Communications & Comm. Technologies	1,742	3	22.9	13	2	18.6	1,516	4	22.9
Community & Personal Services	757	2	20.1	34	6	17.9	649	2	20.2
Computer & Information Sciences	867	2	23.3	13	2	19.1	749	2	23.4
Cross-Disciplinary Studies	176	0	25.2	2	0	20.0	157	0	25.0
Education	3,295	7	21.9	11	2	18.4	2,930	7	21.9
Teacher Education	1,644	3	21.2	18	3	17.4	1,469	3	21.3
Engineering	2,046	4	25.7	15	3	17.5	1,861	4	25.7
Engineering-Related Technologies	1,438	3	23.8	22	4	17.5	1,243	3	23.9
Foreign Languages	394	1	24.7	0	0	.	335	1	24.6
Health Sciences & Allied Health Fields	7,106	14	22.9	79	14	18.5	6,332	15	23.1
Human, Family & Consumer Science	334	1	20.3	15	3	18.2	277	1	20.5
Letters	377	1	25.7	1	0	18.0	325	1	25.9
Mathematics	595	1	25.4	1	0	17.0	507	1	25.3
Philosophy, Religion & Theology	135	0	23.7	1	0	19.0	116	0	23.5
Sciences (Biological & Physical)	4,894	10	25.2	13	2	18.8	4,384	10	25.2
Social Sciences	4,110	8	23.8	14	2	17.0	3,680	9	23.8
Trade & Industrial	150	0	19.0	59	10	17.7	77	0	19.6
Visual & Performing Arts	2,742	5	22.6	46	8	18.0	2,345	6	22.7
Undecided	9,290	18	23.9	103	18	17.7	6,911	16	23.9
No Response	1,135	2	19.5	6	1	15.2	163	0	21.2

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: 50,262

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	51	17.3	3	11.7	0	.	35	18.3	7	15.1	2	16.0	4	16.8
2-yr College Degree	514	17.9	40	14.6	6	15.7	383	18.7	40	15.7	4	17.8	41	16.9
Bachelors Degree	13,525	21.5	819	16.7	51	20.0	10,325	22.1	873	18.7	432	22.8	1,025	21.3
Graduate Study	12,991	23.9	617	19.1	21	23.7	9,969	24.3	718	21.8	526	25.5	1,140	23.9
Prof. Level Degree	15,513	24.7	1,511	20.3	51	24.2	9,100	25.5	1,315	21.7	1,623	26.5	1,913	24.4
Other	943	21.1	74	16.2	3	17.3	604	21.9	73	18.2	54	22.9	135	21.4
No Response	6,725	23.2	451	17.4	30	18.8	4,085	24.1	560	18.6	579	25.8	1,020	23.3

Total Students in Report: 50,262

Table 4.3. Students' Score Report Preferences at Time of Testing

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges							
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36	
UNIVERSITY AT BUFFALO/SUNY	New York	1,707	535	1,172	1	3	13	30	32	18	2	
BINGHAMTON UNIVERSITY-SUNY	New York	1,386	391	995	0	3	9	24	37	26	3	
STONY BROOK UNIVERSITY/SUNY	New York	1,254	378	876	1	4	17	31	32	14	1	
UNIVERSITY AT ALBANY/SUNY	New York	1,038	253	785	1	4	19	36	31	10	1	
STATE UNIV OF NY COLL AT CORTLAND	New York	934	272	662	0	4	24	45	23	4	0	
CORNELL UNIVERSITY	New York	917	347	570	0	1	6	13	30	40	9	
CITY UNIVERSITY OF NEW YORK	New York	858	507	351	7	18	27	22	16	9	0	
STATE UNIV OF NY COLL AT GENESEO	New York	838	250	588	0	1	6	21	38	32	3	
STATE UNIV OF NY COLL AT BROCKPORT	New York	836	224	612	0	4	25	39	25	6	0	
SYRACUSE UNIVERSITY	New York	819	205	614	0	3	15	29	33	18	1	
NEW YORK UNIVERSITY	New York	817	291	526	0	4	11	24	35	24	3	
STATE UNIV OF NY COLL AT OSWEGO	New York	792	212	580	0	4	20	41	27	8	0	
ROCHESTER INST OF TECHNOLOGY	New York	758	274	484	0	2	8	23	34	29	3	
STATE UNIV OF NY COLL AT ONEONTA	New York	722	177	545	1	3	19	44	27	6	0	
NCAA ELIGIBILITY CENTER	Indiana	633	408	225	2	7	18	30	31	11	2	
STATE UNIV OF NY COLL AT FREDONIA	New York	620	165	455	0	4	18	37	28	11	1	
STATE UNIV OF NY COLL AT BUFFALO	New York	610	124	486	1	7	26	35	25	7	1	
STATE UNIV OF NEW YORK AT NEW PALTZ	New York	592	137	455	1	5	16	38	29	10	1	
ITHACA COLLEGE	New York	557	153	404	0	2	10	32	34	19	2	
HOFSTRA UNIVERSITY	New York	541	120	421	1	5	21	37	26	10	0	
UNIVERSITY OF ROCHESTER	New York	507	163	344	0	1	6	18	34	35	5	
BOSTON UNIVERSITY	Massachusetts	495	141	354	0	0	6	18	40	33	3	
ST JOHN FISHER COLLEGE	New York	449	115	334	0	2	16	39	31	11	0	
FORDHAM UNIVERSITY	New York	442	122	320	1	4	13	27	37	18	1	
CANISIUS COLLEGE	New York	409	129	280	1	3	12	33	33	16	1	
NORTHEASTERN UNIVERSITY	Massachusetts	408	106	302	0	0	4	18	43	31	3	
STATE UNIV OF NY COLL AT PLATTSBURGH	New York	408	117	291	0	6	22	47	18	7	0	
SAINT JOHN'S UNIVERSITY	New York	377	104	273	2	5	23	37	25	7	1	
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	371	84	287	0	2	11	25	36	25	1	
LE MOYNE COLLEGE	New York	363	101	262	0	4	17	39	30	10	1	
All Other Institutions		28,865	8,238	20,627	1	6	18	29	27	17	3	
Total		50,323	14,843	35,480	1	5	17	30	29	17	2	

Section V Optional Writing Test Results

Total Students in Report: 50,262

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	38,830	869,014	23.4	21.4	7.7	7.1	22.7	20.8
African American/Black	2,650	107,638	18.5	16.4	7.1	6.4	18.5	16.4
American Indian/Alaska Native	110	6,232	21.3	18.9	7.4	6.6	20.9	18.4
Caucasian American/White	26,045	518,004	24.0	23.0	7.7	7.3	23.2	22.1
Hispanic	2,827	101,126	20.1	18.1	7.3	6.9	20.0	18.1
Asian American/Pacific Islander	2,921	49,922	25.2	23.6	7.9	7.7	24.2	22.9
Other/No Response	4,277	86,092	23.7	21.0	7.8	7.1	23.1	20.4
Males	16,050	384,152	23.2	21.1	7.5	6.9	22.4	20.3
Females	22,769	484,023	23.5	21.7	7.8	7.3	22.9	21.2
Missing	11	839	18.5	16.8	6.9	6.3	18.5	16.6

