

ACT Profile Report - State

Graduating Class 2009
New York



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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.

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

36% 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: 47,520 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, 22% were college ready. 3% of the cohort reported taking the minimum math core (Algebra I, Algebra II, and Geometry). 19% of these students were college ready. In comparison, 66% 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 7% of the cohort took less than three years of natural science courses. 9% of these students were college ready. In comparison, 45% 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 28% 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.

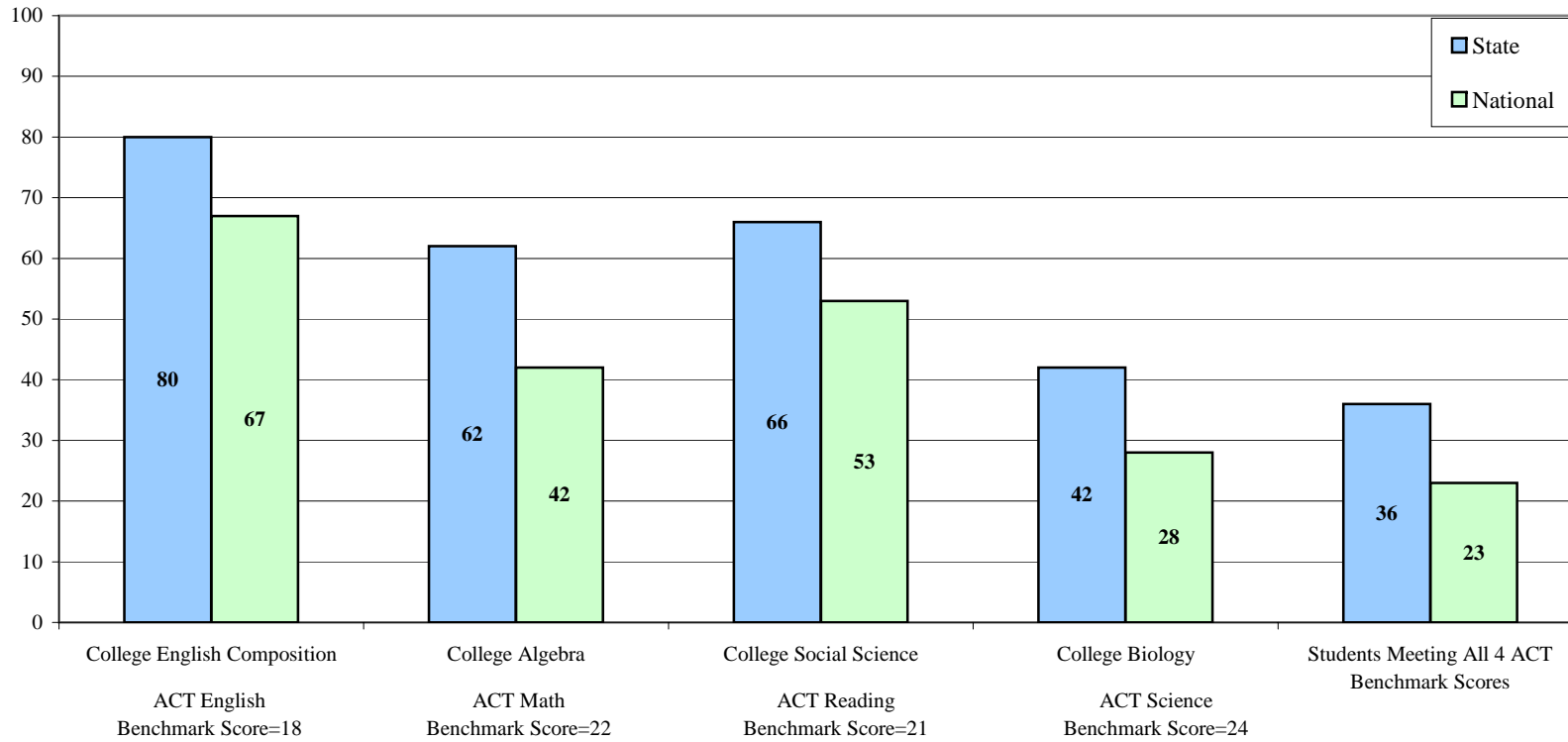
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 518-869-7378.

Section I

Executive Summary

Total Students in Report: 47,520

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: 47,520

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
2005	29,279	1,186,251	74	68	55	41	64	51	38	26	31	21
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

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
2005	29,279	1,186,251	21.3	20.4	22.5	20.7	23.0	21.3	22.3	20.9	22.4	20.9
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

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: 47,520

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
2005	15,504	8,956	53	31	22.3	19.8	23.4	20.9	24.0	21.6	23.1	21.2	23.3	21.0
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

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	29,279	100	22.4	29,967	100	22.6	37,863	100	22.9	44,311	100	23.1	47,520	100	23.1
African American/Black	2,079	7	18.1	1,942	6	18.3	2,440	6	18.4	2,694	6	18.6	3,208	7	18.7
American Indian/Alaska Native	113	0	20.7	104	0	20.4	108	0	21.7	117	0	21.6	127	0	21.7
Caucasian American/White	20,043	68	22.9	18,952	63	22.9	21,664	57	23.3	28,422	64	23.4	32,961	69	23.6
Hispanic	1,385	5	19.9	1,278	4	20.3	1,860	5	20.2	2,494	6	20.5	2,994	6	20.4
Asian American/Pacific Islander	1,061	4	24.0	1,156	4	24.5	1,452	4	24.7	2,137	5	24.8	2,709	6	25.2
Other/No Response	4,598	16	22.8	6,535	22	23.0	10,339	27	23.4	8,447	19	23.9	5,521	12	23.6

Section II

Academic Achievement

Total Students in Report: 47,520

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	250	100	290	100	643	100	203	100	32	100	36
35	675	99	536	99	400	99	410	100	192	100	35
34	1,029	98	965	98	1,162	98	442	99	438	100	34
33	910	96	1,172	96	1,585	95	420	98	661	99	33
32	1,084	94	1,066	94	1,381	92	593	97	1,022	97	32
31	1,032	92	1,183	92	1,884	89	837	96	1,328	95	31
30	1,485	90	978	89	2,150	85	1,192	94	1,665	92	30
29	1,352	86	2,021	87	1,775	81	1,328	91	1,946	89	29
28	2,087	84	2,386	83	2,007	77	1,565	89	2,344	85	28
27	1,773	79	2,738	78	2,020	73	1,901	85	2,560	80	27
26	2,462	75	3,528	72	2,061	68	2,845	81	2,976	74	26
25	3,112	70	3,506	65	2,130	64	5,017	75	3,315	68	25
24	2,915	64	3,606	57	3,009	60	3,198	65	3,489	61	24
23	2,990	58	3,056	50	2,667	53	4,524	58	3,650	54	23
22	3,532	51	2,249	43	2,975	48	3,614	48	3,734	46	22
21	3,441	44	2,772	38	3,610	41	4,276	41	3,357	38	21
20	3,142	37	2,326	33	2,574	34	4,286	32	3,194	31	20
19	2,411	30	2,504	28	2,835	28	3,469	23	2,809	24	19
18	2,148	25	2,403	22	1,550	22	2,238	16	2,384	19	18
17	1,830	20	2,952	17	2,326	19	1,100	11	1,998	14	17
16	1,943	17	2,939	11	1,909	14	1,054	9	1,562	9	16
15	1,861	12	1,523	5	1,311	10	753	6	1,088	6	15
14	991	9	547	2	1,410	7	687	5	775	4	14
13	850	6	174	1	875	5	569	3	542	2	13
12	647	5	56	1	535	3	374	2	273	1	12
11	529	3	28	1	434	2	254	1	117	1	11
10	431	2	10	1	143	1	146	1	46	1	10
9	328	1	2	1	75	1	122	1	12	1	9
8	164	1	1	1	39	1	51	1	8	1	8
7	64	1	2	1	16	1	16	1	2	1	7
6	39	1	1	1	8	1	20	1	1	1	6
5	8	1	0	1	13	1	6	1	0	1	5
4	4	1	0	1	8	1	2	1	0	1	4
3	0	1	0	1	0	1	6	1	0	1	3
2	1	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	2	1	0	1	1
Avg (SD)	22.5 (5.9)		23.4 (5.3)		23.3 (6.1)		22.7 (4.8)		23.1 (4.9)		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: 47,520

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	2,513	100	1,025	100	2,359	100	3,469	100	3,374	100	924	100	975	100	18
17	2,533	95	634	98	2,514	95	2,221	93	4,698	93	1,110	98	406	98	17
16	2,943	89	3,726	97	3,190	90	5,310	88	2,966	83	2,312	96	3,021	97	16
15	3,147	83	3,827	89	4,230	83	5,140	77	4,076	77	2,558	91	4,264	91	15
14	2,988	77	4,727	81	3,478	74	4,782	66	4,034	68	6,757	85	5,065	82	14
13	3,637	70	5,113	71	3,647	67	2,390	56	3,908	60	4,255	71	8,109	71	13
12	4,167	63	6,434	60	5,517	59	4,066	51	5,993	51	6,395	62	4,485	54	12
11	4,806	54	5,002	46	3,932	48	4,380	42	3,800	39	5,171	49	5,788	45	11
10	5,111	44	5,546	36	4,078	39	3,376	33	4,111	31	8,041	38	5,583	32	10
9	4,822	33	4,002	24	5,416	31	2,980	26	3,091	22	4,272	21	3,417	21	9
8	3,030	23	3,196	16	3,292	19	3,426	20	3,663	16	2,631	12	2,952	13	8
7	2,895	16	1,793	9	3,028	12	2,385	13	2,671	8	1,459	7	1,163	7	7
6	2,165	10	888	5	1,419	6	1,548	8	860	2	516	3	922	5	6
5	1,420	6	819	3	738	3	1,263	4	163	1	667	2	537	3	5
4	789	3	501	2	207	1	516	2	67	1	225	1	445	2	4
3	419	1	228	1	290	1	181	1	36	1	135	1	247	1	3
2	116	1	49	1	123	1	80	1	8	1	48	1	76	1	2
1	19	1	10	1	62	1	7	1	1	1	44	1	65	1	1
Avg (SD)	11.3 (3.7)		11.6 (3.1)		11.7 (3.5)		12.2 (3.7)		12.5 (3.4)		11.6 (2.9)		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)	26	27	28	25	27
Q2 (50th Percentile)	22	24	23	23	23
Q1 (25th Percentile)	19	19	19	20	20

Total Students in Report: 47,520

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	47,520	79	23.7	21.1
	African American/Black	3,208	66	19.6	17.3
	American Indian/Alaska Native	127	69	23.0	19.0
	Caucasian American/White	32,961	81	24.0	21.7
	Hispanic	2,994	73	21.2	18.6
	Asian American/Pacific Islander	2,709	84	25.4	24.2
	Other/No Response	5,521	77	24.2	21.6
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
State	All Students	22.5	23.4	23.3	22.7	23.1
	African American/Black	17.9	18.9	18.9	18.7	18.7
	American Indian/Alaska Native	20.9	21.5	22.7	21.2	21.7
	Caucasian American/White	23.0	23.7	23.8	23.2	23.6
	Hispanic	19.6	20.7	20.6	20.2	20.4
	Asian American/Pacific Islander	24.5	27.0	24.6	24.2	25.2
	Other/No Response	23.2	23.9	23.8	22.9	23.6
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: 47,520

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	2,864	6	2,963	6	3,790	8	1,475	3
	28 to 32	7,040	15	7,634	16	9,197	19	5,515	12
	24 to 27	10,262	22	13,378	28	9,220	19	12,961	27
	20 to 23	13,105	28	10,403	22	11,826	25	16,700	35
	16 to 19	8,332	18	10,798	23	8,620	18	7,861	17
	13 to 15	3,702	8	2,244	5	3,596	8	2,009	4
	01 to 12	2,215	5	100	0	1,271	3	999	2
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
State	Males	20,044	42	22.2	24.3	23.4	23.4	23.4
	Females	27,270	57	22.7	22.8	23.2	22.2	22.9
	Missing	206	0	24.2	24.8	25.3	24.0	24.7
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	
State	Males	78	67	66	48	41
	Females	81	58	66	37	32
National	Males	65	47	52	33	27
	Females	69	38	53	24	20

Total Students in Report: 47,520

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
State	Core or More ²	37,666	84	23.1	67	24.0	70	23.9	46	23.3	39	23.7
	Less than Core	8,710	64	20.4	42	21.1	51	21.3	28	20.9	23	21.1
	Missing	1,144	52	18.3	33	19.8	38	19.5	19	19.8	14	19.4
National	Core or More	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	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core or More	45,695	80	22.7	43,707	65	23.8	42,167	67	23.4	43,569	45	23.1
	Less than Core	982	63	19.7	2,717	22	18.7	4,463	62	22.9	3,071	9	18.3
	Missing	843	53	18.4	1,096	33	19.8	890	38	19.5	880	20	19.9
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.

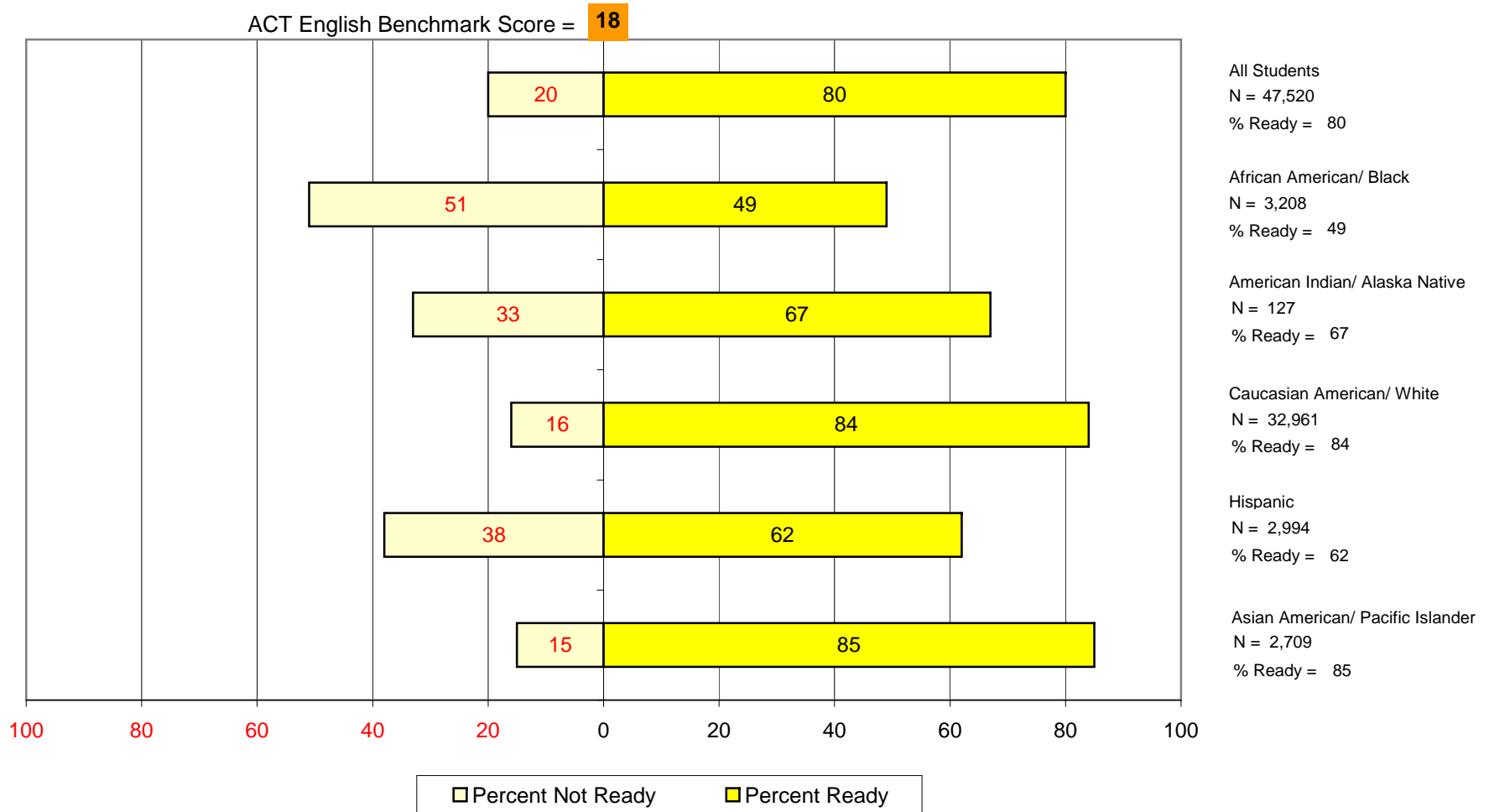
For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

Section III

College Readiness and the Impact of Course Rigor

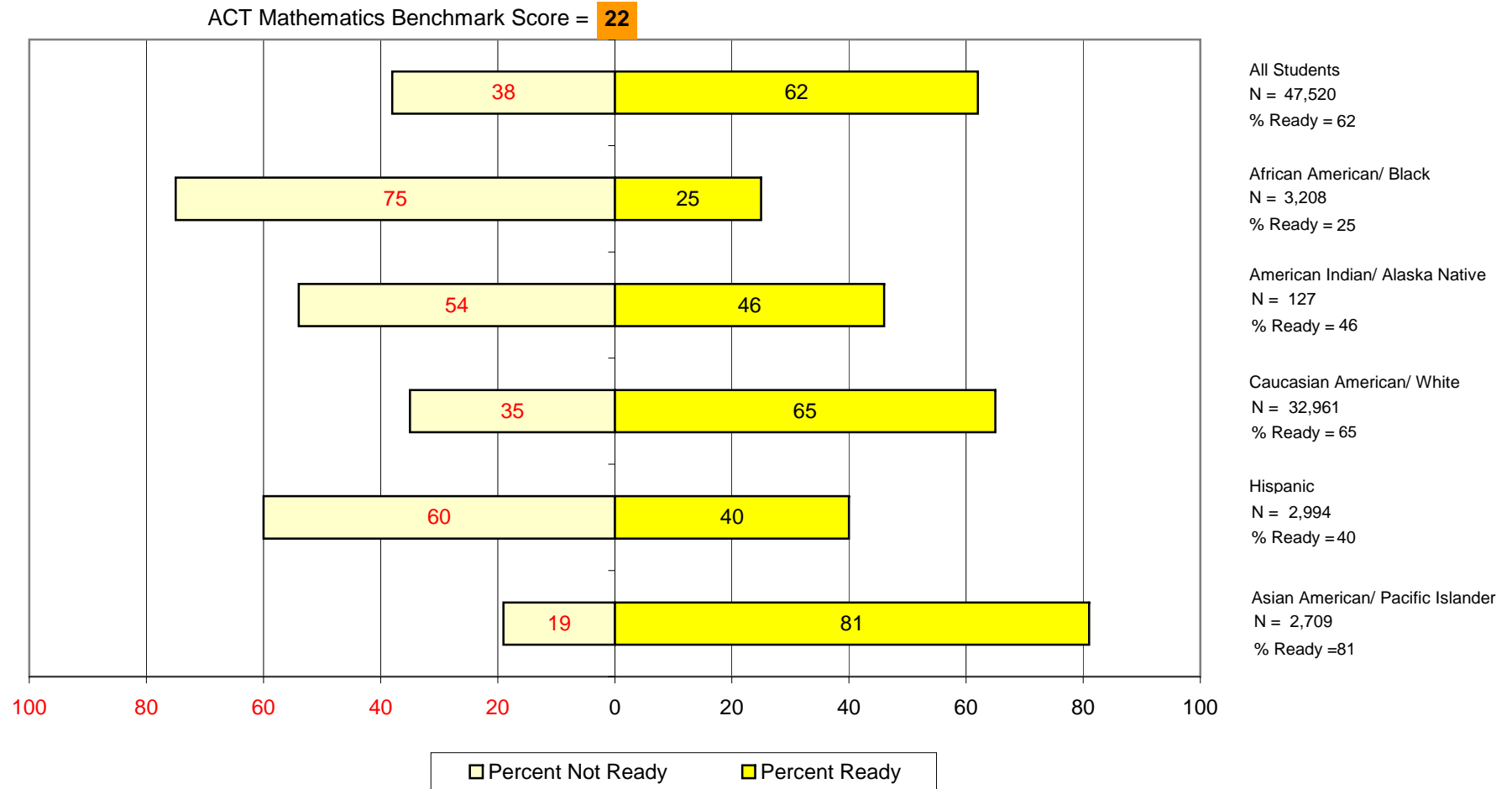
Total Students in Report: 47,520

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



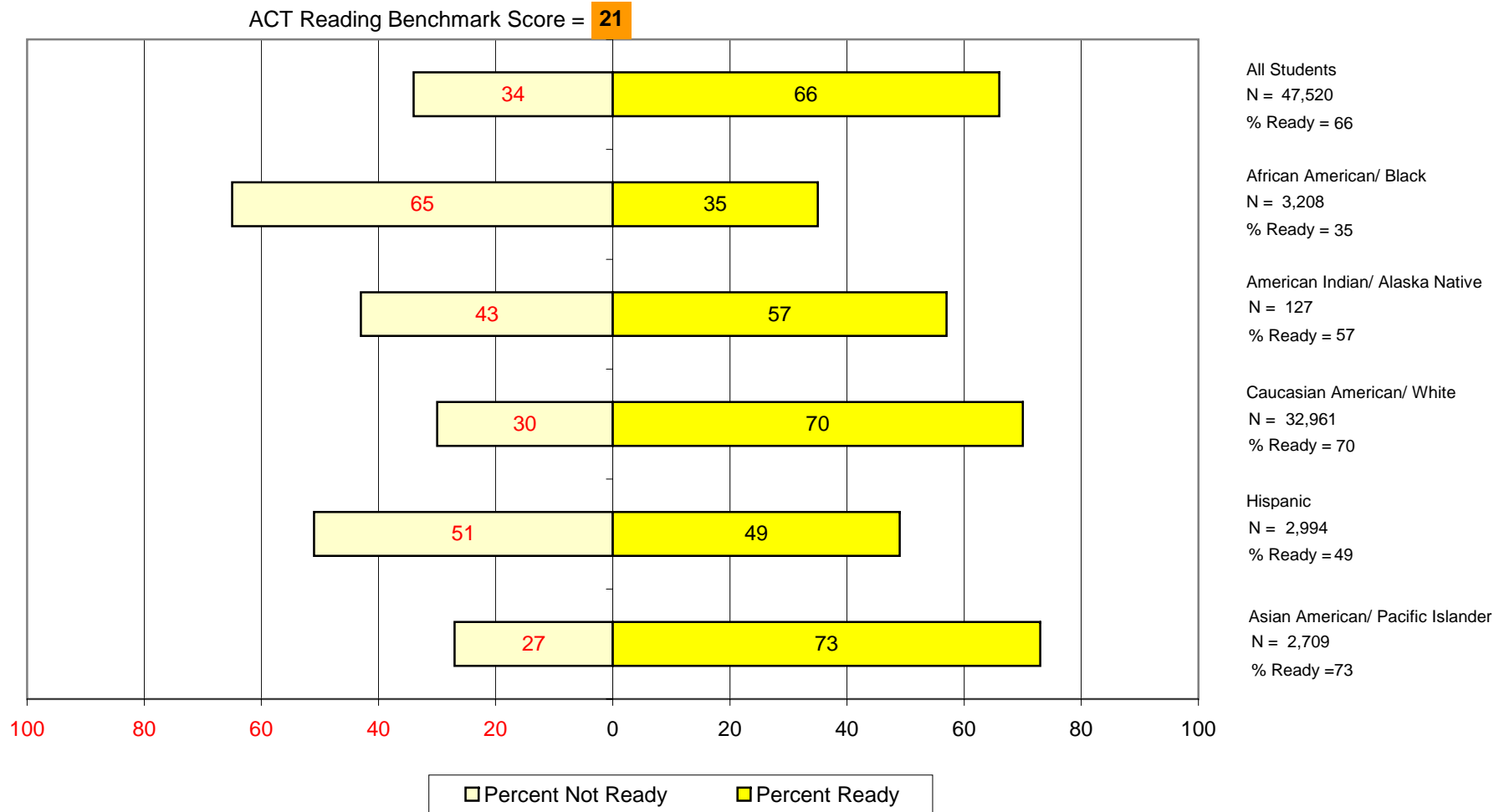
Total Students in Report: 47,520

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



Total Students in Report: 47,520

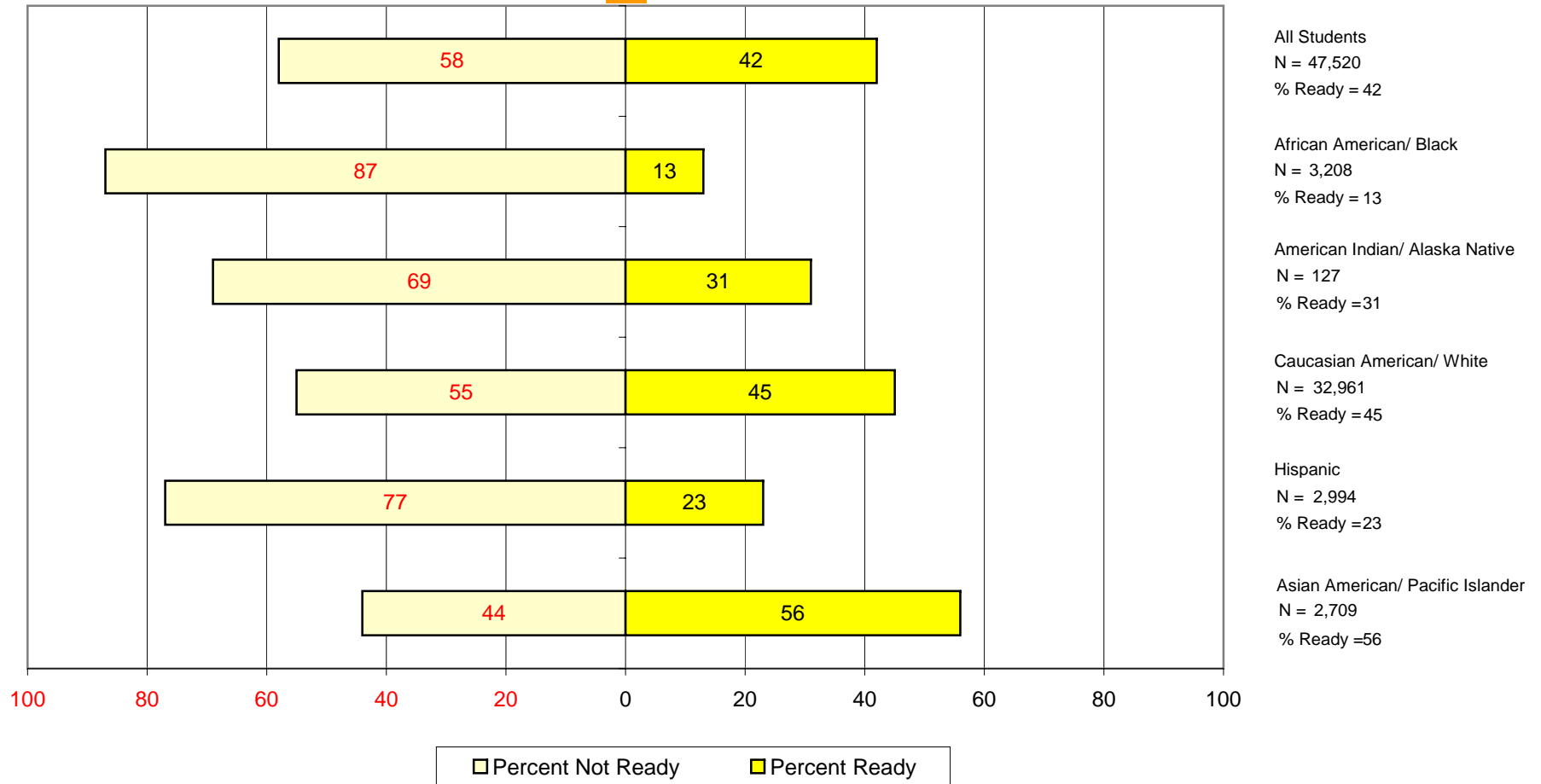
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



Total Students in Report: 47,520

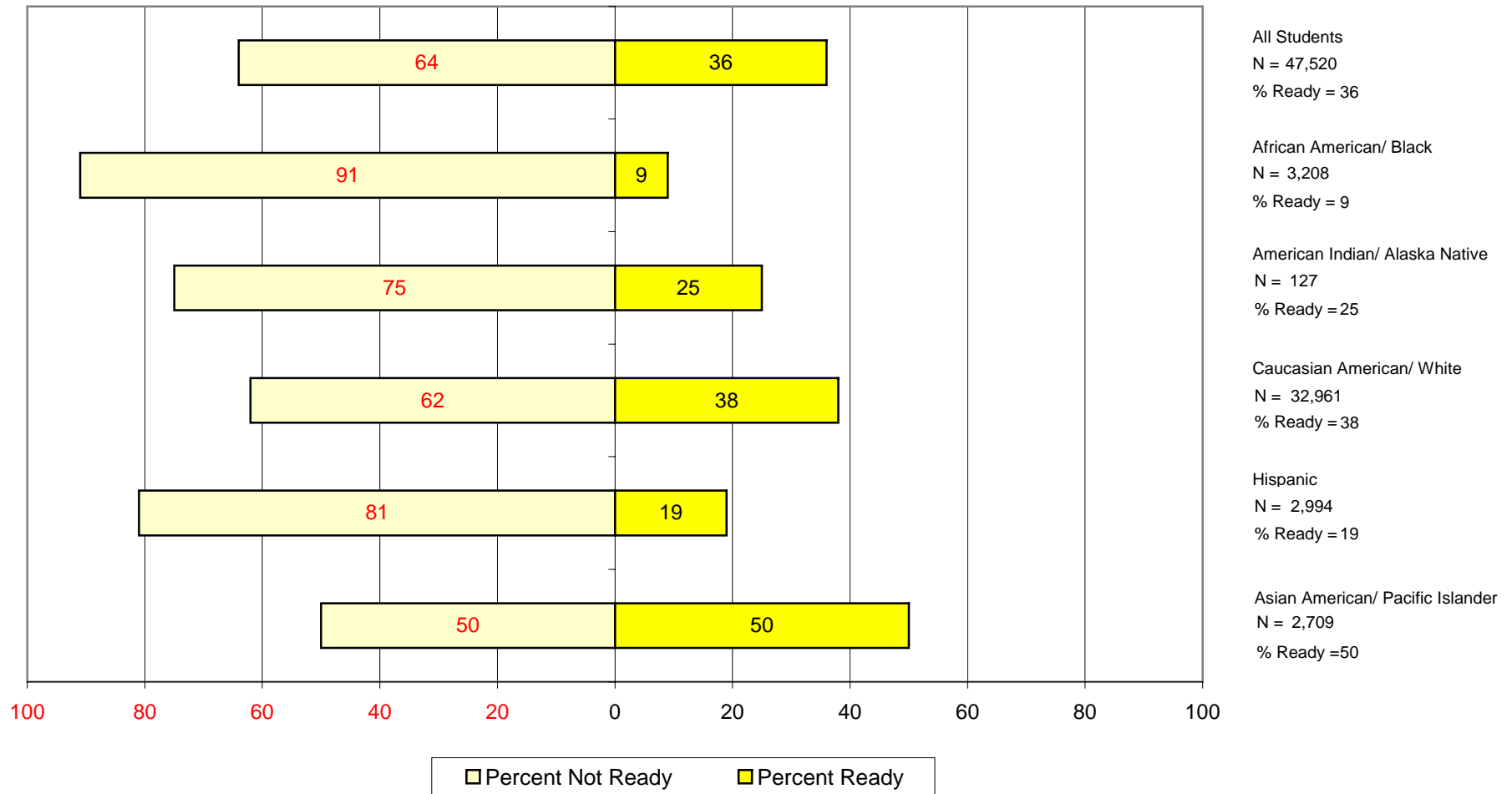
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = **24**



Total Students in Report: 47,520

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



Total Students in Report: 47,520

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	14,823	31	23.3	3.6	5,718	29	23.0	3.9	9,032	33	23.4	3.2
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	30,872	65	22.4	2.7	13,462	67	22.1	3.0	17,301	63	22.6	2.4
Less than 4 years of English	1,006	2	19.7	-	441	2	19.1	-	557	2	20.2	-
No English course/grade information reported	819	2	18.4	-	423	2	18.4	-	380	1	18.3	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	6,246	13	25.2	6.5	2,539	13	25.9	6.7	3,674	13	24.7	6.3
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	6,999	15	22.6	3.9	2,400	12	23.3	4.1	4,574	17	22.2	3.8
Alg 1, Alg 2, Geom, & Trig	5,912	12	20.7	2.0	2,120	11	21.3	2.1	3,772	14	20.3	1.9
Alg 1, Alg 2, Geom, & Other Adv Math	1,280	3	20.3	1.6	485	2	20.5	1.3	791	3	20.1	1.7
Other comb of 4 or more years of Math	20,057	42	25.5	6.8	9,564	48	26.1	6.9	10,403	38	24.8	6.4
Alg 1, Alg 2, & Geom (Min. Core)	1,472	3	18.3	-0.4	594	3	18.6	-0.6	875	3	18.0	-0.4
Other comb of 3 or 3.5 years of Math	1,741	4	22.2	3.5	750	4	22.8	3.6	988	4	21.8	3.4
Less than 3 years of Math	2,843	6	18.7	-	1,120	6	19.2	-	1,714	6	18.4	-
No Math course/grade information reported	970	2	19.8	-	472	2	20.6	-	479	2	19.1	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,384	3	24.3	1.4	731	4	24.0	0.7	647	2	24.8	2.2
Other comb of 4 or more years Social Science	27,610	58	23.3	0.4	11,315	56	23.5	0.2	16,199	59	23.2	0.6
US Hist, World Hist, & Am Gov (Min. Core)	1,125	2	23.3	0.4	531	3	23.1	-0.2	590	2	23.6	1.0
Other comb of 3 or 3.5 years of Social Science	12,048	25	23.6	0.7	5,030	25	23.6	0.3	6,960	26	23.5	0.9
Less than 3 years of Social Science	4,493	9	22.9	-	1,995	10	23.3	-	2,472	9	22.6	-
No Soc Sci course/grade information reported	860	2	19.5	-	442	2	19.6	-	402	1	19.2	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	28,284	60	23.9	5.6	13,006	65	24.6	6.3	15,142	56	23.4	5.1
Bio, Chem, Phys	2,703	6	24.0	5.7	1,110	6	24.8	6.5	1,585	6	23.5	5.2
Gen Sci ² , Bio, Chem (Min. Core)	11,764	25	21.1	2.8	3,902	19	21.2	2.9	7,831	29	21.1	2.8
Other comb of 3 years of Natural Science	818	2	20.4	2.1	397	2	21.1	2.8	416	2	19.7	1.4
Less than 3 years of Natural Science	3,095	7	18.3	-	1,190	6	18.3	-	1,897	7	18.3	-
No Nat Sci course/grade information reported	856	2	19.9	-	439	2	20.4	-	399	1	19.3	-

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: 47,520

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	14,823	31	23.3	84	338,118	23	22.0	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	30,872	65	22.4	79	1,029,431	70	20.6	68
Less than 4 years of English	1,006	2	19.7	63	74,090	5	16.7	42
No English course/grade information reported	819	2	18.4	53	38,830	3	16.1	37
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	6,246	13	25.2	78	92,630	6	24.5	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	6,999	15	22.6	60	135,244	9	22.1	56
Alg 1, Alg 2, Geom, & Trig	5,912	12	20.7	40	110,962	7	20.0	35
Alg 1, Alg 2, Geom, & Other Adv Math	1,280	3	20.3	37	220,868	15	20.1	36
Other comb of 4 or more years of Math	20,057	42	25.5	76	455,130	31	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	1,472	3	18.3	19	248,747	17	17.5	12
Other comb of 3 or 3.5 years of Math	1,741	4	22.2	53	70,732	5	20.1	35
Less than 3 years of Math	2,843	6	18.7	22	105,591	7	16.5	7
No Math course/grade information reported	970	2	19.8	33	40,565	3	17.7	18
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,384	3	24.3	71	46,754	3	22.8	61
Other comb of 4 or more years Social Science	27,610	58	23.3	67	735,636	50	22.0	57
US Hist, World Hist, & Am Gov (Min. Core)	1,125	2	23.3	65	84,543	6	20.6	47
Other comb of 3 or 3.5 years of Social Science	12,048	25	23.6	68	420,236	28	21.3	52
Less than 3 years of Social Science	4,493	9	22.9	62	152,775	10	19.7	40
No Soc Sci course/grade information reported	860	2	19.5	38	40,525	3	17.5	26
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	28,284	60	23.9	52	563,824	38	22.2	39
Bio, Chem, Phys	2,703	6	24.0	54	141,531	10	23.3	47
Gen Sci ¹ , Bio, Chem (Min. Core)	11,764	25	21.1	26	459,833	31	20.1	21
Other comb of 3 years of Natural Science	818	2	20.4	22	41,353	3	19.8	21
Less than 3 years of Natural Science	3,095	7	18.3	9	233,215	16	18.4	11
No Nat Sci course/grade information reported	856	2	19.9	20	40,713	3	17.7	11

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 47,520

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	256	1	21.5	23	4	17.9	219	1	21.8
Architecture & Environmental Design	756	2	22.2	14	2	17.4	661	2	22.3
Business & Management	5,953	13	22.7	55	10	18.2	5,163	13	22.8
Business & Office	263	1	21.2	13	2	18.8	207	1	21.6
Marketing & Distribution	506	1	21.5	8	1	19.0	447	1	21.4
Communications & Comm. Technologies	1,691	4	22.7	9	2	21.3	1,489	4	22.6
Community & Personal Services	655	1	19.9	31	5	17.7	569	1	20.0
Computer & Information Sciences	780	2	23.2	19	3	17.9	658	2	23.4
Cross-Disciplinary Studies	167	0	24.8	2	0	15.5	140	0	24.7
Education	2,986	6	21.7	13	2	17.4	2,679	7	21.7
Teacher Education	1,711	4	21.3	14	2	16.4	1,538	4	21.4
Engineering	1,718	4	25.5	11	2	18.6	1,549	4	25.6
Engineering-Related Technologies	1,218	3	23.6	15	3	17.7	1,060	3	23.8
Foreign Languages	399	1	24.6	2	0	14.0	341	1	24.6
Health Sciences & Allied Health Fields	6,489	14	22.9	89	15	18.3	5,888	15	22.9
Human, Family & Consumer Science	309	1	20.8	20	3	18.1	256	1	21.1
Letters	361	1	25.5	2	0	20.5	316	1	25.4
Mathematics	530	1	25.6	2	0	18.0	451	1	25.6
Philosophy, Religion & Theology	157	0	23.9	3	1	19.7	131	0	24.1
Sciences (Biological & Physical)	4,555	10	25.0	18	3	20.1	4,151	10	25.0
Social Sciences	3,653	8	23.6	6	1	18.0	3,315	8	23.5
Trade & Industrial	171	0	18.9	63	11	17.7	97	0	19.6
Visual & Performing Arts	2,625	6	22.5	37	6	18.4	2,244	6	22.5
Undecided	8,225	17	23.9	97	17	17.1	6,238	16	23.8
No Response	1,386	3	19.8	11	2	14.1	193	0	21.4

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: 47,520

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	47	16.5	6	13.7	0	.	30	17.6	5	15.6	1	14.0	5	14.6
2-yr College Degree	530	18.0	31	14.2	2	19.0	418	18.7	41	14.6	2	24.0	36	17.0
Bachelors Degree	12,748	21.4	769	16.9	34	19.6	9,899	21.9	726	19.0	385	22.4	935	21.3
Graduate Study	12,619	23.8	579	19.3	35	23.9	9,759	24.1	650	21.9	466	25.3	1,130	24.0
Prof. Level Degree	14,633	24.4	1,399	20.0	40	23.4	8,744	25.2	1,113	21.4	1,354	26.1	1,983	24.4
Other	897	20.7	72	16.6	2	15.5	568	21.4	72	18.6	48	23.1	135	20.0
No Response	6,046	23.3	352	17.7	14	17.9	3,543	23.8	387	18.6	453	25.2	1,297	24.2

Total Students in Report: 47,520

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	1,825	547	1,278	1	3	14	31	33	17	1	
BINGHAMTON UNIVERSITY-SUNY	New York	1,570	454	1,116	0	2	10	27	35	23	2	
STONY BROOK UNIVERSITY/SUNY	New York	1,322	373	949	1	6	19	34	26	13	1	
UNIVERSITY AT ALBANY/SUNY	New York	1,119	291	828	1	4	19	37	28	11	0	
CORNELL UNIVERSITY	New York	1,048	369	679	0	1	7	17	30	38	7	
STATE UNIV OF NY COLL AT GENESEO	New York	1,039	288	751	0	1	6	23	39	29	2	
STATE UNIV OF NY COLL AT CORTLAND	New York	1,025	303	722	0	3	26	43	23	5	0	
STATE UNIV OF NY COLL AT BROCKPORT	New York	957	277	680	1	3	24	41	25	6	0	
SYRACUSE UNIVERSITY	New York	927	270	657	1	3	15	30	33	17	2	
NEW YORK UNIVERSITY	New York	878	293	585	1	3	15	28	29	23	3	
STATE UNIV OF NY COLL AT OSWEGO	New York	864	216	648	1	3	25	39	25	7	0	
CITY UNIVERSITY OF NEW YORK	New York	798	492	306	6	21	31	23	12	6	1	
STATE UNIV OF NY COLL AT ONEONTA	New York	780	184	596	0	3	23	41	26	6	0	
ROCHESTER INST OF TECHNOLOGY	New York	778	288	490	1	1	10	25	37	24	3	
STATE UNIV OF NY COLL AT BUFFALO	New York	775	186	589	2	6	27	33	25	6	0	
NCAA ELIGIBILITY CENTER	Indiana	714	431	283	1	6	22	33	25	13	1	
STATE UNIV OF NY COLL AT FREDONIA	New York	710	196	514	0	3	20	39	27	10	0	
STATE UNIV OF NEW YORK AT NEW PALTZ	New York	697	168	529	1	5	22	39	24	9	1	
ITHACA COLLEGE	New York	648	164	484	0	2	10	30	38	19	1	
HOFSTRA UNIVERSITY	New York	590	136	454	1	6	24	38	22	8	1	
BOSTON UNIVERSITY	Massachusetts	558	158	400	0	1	8	22	33	32	4	
FORDHAM UNIVERSITY	New York	522	147	375	1	5	18	32	29	16	1	
UNIVERSITY OF ROCHESTER	New York	521	135	386	1	2	6	16	31	36	8	
CANISIUS COLLEGE	New York	512	148	364	1	4	15	35	32	13	1	
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	495	136	359	1	3	12	30	32	20	2	
ST JOHN FISHER COLLEGE	New York	478	128	350	1	3	16	41	28	11	0	
MARIST COLLEGE	New York	469	152	317	0	3	15	38	29	14	1	
STATE UNIV OF NY COLL AT PLATTSBURGH	New York	447	127	320	0	5	34	40	17	4	0	
RENSSELAER POLYTECHNIC INSTITUTE	New York	426	110	316	0	0	4	14	34	39	8	
CLARKSON UNIVERSITY	New York	417	130	287	0	1	6	26	37	26	4	
All Other Institutions		32,114	9,019	23,095	1	5	20	30	25	16	2	
Total		56,023	16,316	39,707	1	5	19	31	27	16	2	

Section V

Optional Writing Test Results

Total Students in Report: 47,520

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	35,376	814,713	23.4	21.5	7.7	7.2	22.7	20.8
African American/Black	2,283	96,225	18.8	16.5	7.2	6.4	18.9	16.5
American Indian/Alaska Native	86	5,489	22.3	18.9	7.4	6.7	21.6	18.5
Caucasian American/White	23,972	497,164	23.8	22.8	7.7	7.3	23.1	21.9
Hispanic	2,267	85,681	20.6	18.4	7.5	7.0	20.5	18.4
Asian American/Pacific Islander	2,363	44,716	25.0	23.5	7.9	7.6	24.1	22.8
Other/No Response	4,405	85,438	24.1	21.4	7.8	7.2	23.3	20.8
Males	14,350	357,025	23.2	21.1	7.5	6.9	22.4	20.3
Females	20,870	455,190	23.5	21.7	7.8	7.4	22.9	21.2
Missing	156	2,498	25.6	22.1	8.0	7.2	24.6	21.3

