

ACT Profile Report - State

Graduating Class 2011
Connecticut



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This report provides information about the performance of your 2011 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 2011 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

42% 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: 10,809 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. 82% 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 1% of the cohort took less than three years of math courses. Of these students, 25% were college ready. 6% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 22% of these students were college ready. In comparison, 72% 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 5% of the cohort took less than three years of natural science courses. 19% of these students were college ready. In comparison, 48% 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 24% 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

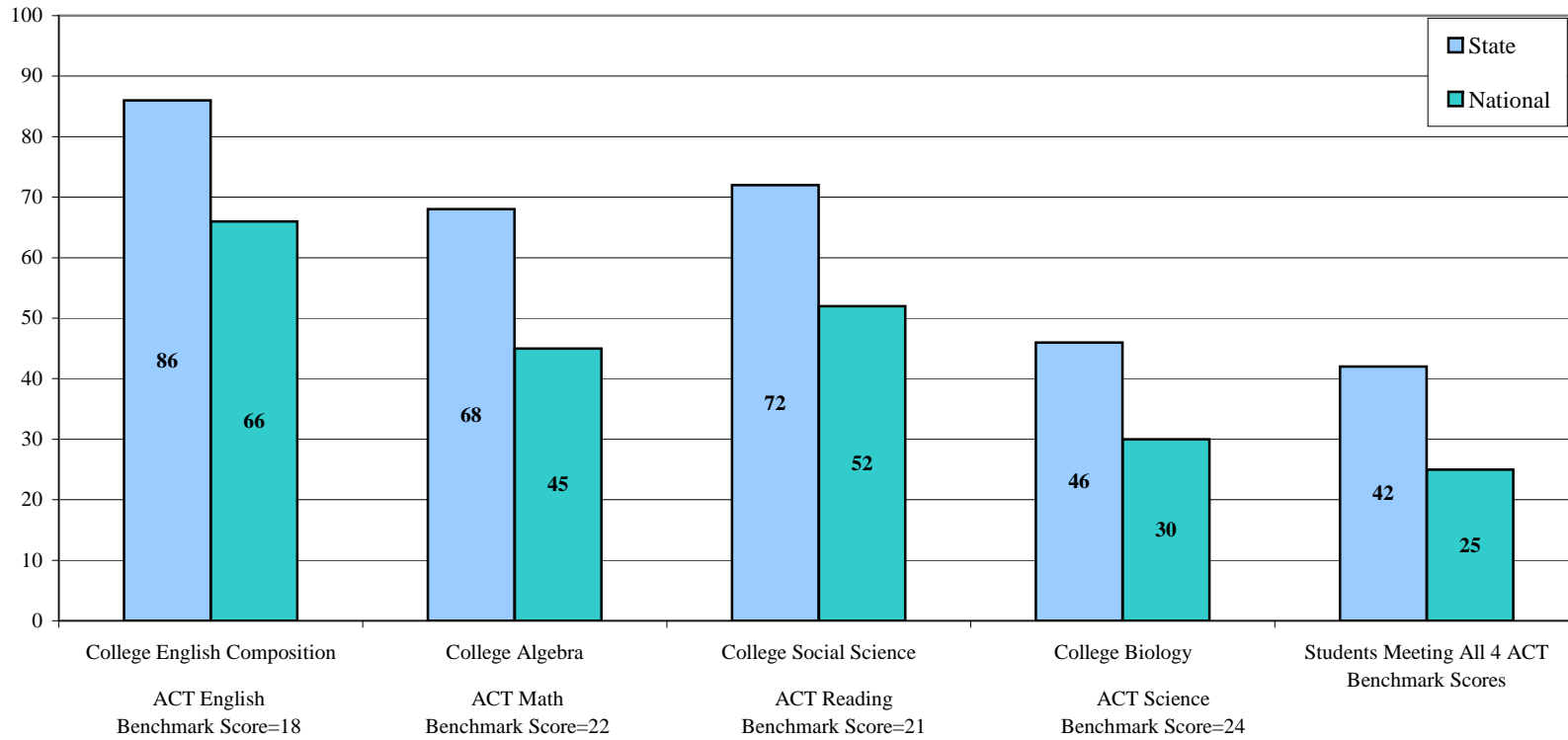
Executive Summary

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories.

Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 10,809

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: 10,809

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
2007	6,651	1,300,599	85	69	61	43	68	53	40	28	35	23
2008	8,159	1,421,941	84	68	62	43	69	53	40	28	34	22
2009	9,240	1,480,469	85	67	63	42	71	53	41	28	37	23
2010	10,453	1,568,835	86	66	65	43	70	52	45	29	39	24
2011	10,809	1,623,112	86	66	68	45	72	52	46	30	42	25

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
2007	6,651	1,300,599	23.2	20.7	23.2	21.0	23.6	21.5	22.4	21.0	23.2	21.2
2008	8,159	1,421,941	23.2	20.6	23.3	21.0	23.6	21.4	22.3	20.8	23.3	21.1
2009	9,240	1,480,469	23.6	20.6	23.5	21.0	24.0	21.4	22.6	20.9	23.5	21.1
2010	10,453	1,568,835	23.8	20.5	23.5	21.0	23.9	21.3	22.9	20.9	23.7	21.0
2011	10,809	1,623,112	24.0	20.6	23.9	21.1	24.1	21.3	23.1	20.9	23.9	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
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
2011	1,623,112	20.6	21.1	21.3	20.9	21.1

Total Students in Report: 10,809

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
2007	2,918	1,683	44	25	23.7	22.4	23.5	22.3	24.1	22.9	22.9	21.8	23.7	22.5
2008	5,039	1,798	62	22	23.5	22.3	23.5	22.3	23.8	22.7	22.6	21.5	23.5	22.4
2009	7,318	1,590	79	17	24.0	22.5	23.8	22.4	24.4	22.8	22.9	21.8	23.9	22.5
2010	8,561	1,687	82	16	24.1	22.6	23.8	22.4	24.2	22.7	23.2	21.8	24.0	22.5
2011	8,886	1,736	82	16	24.3	23.2	24.2	23.0	24.4	23.3	23.3	22.2	24.1	23.1

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.

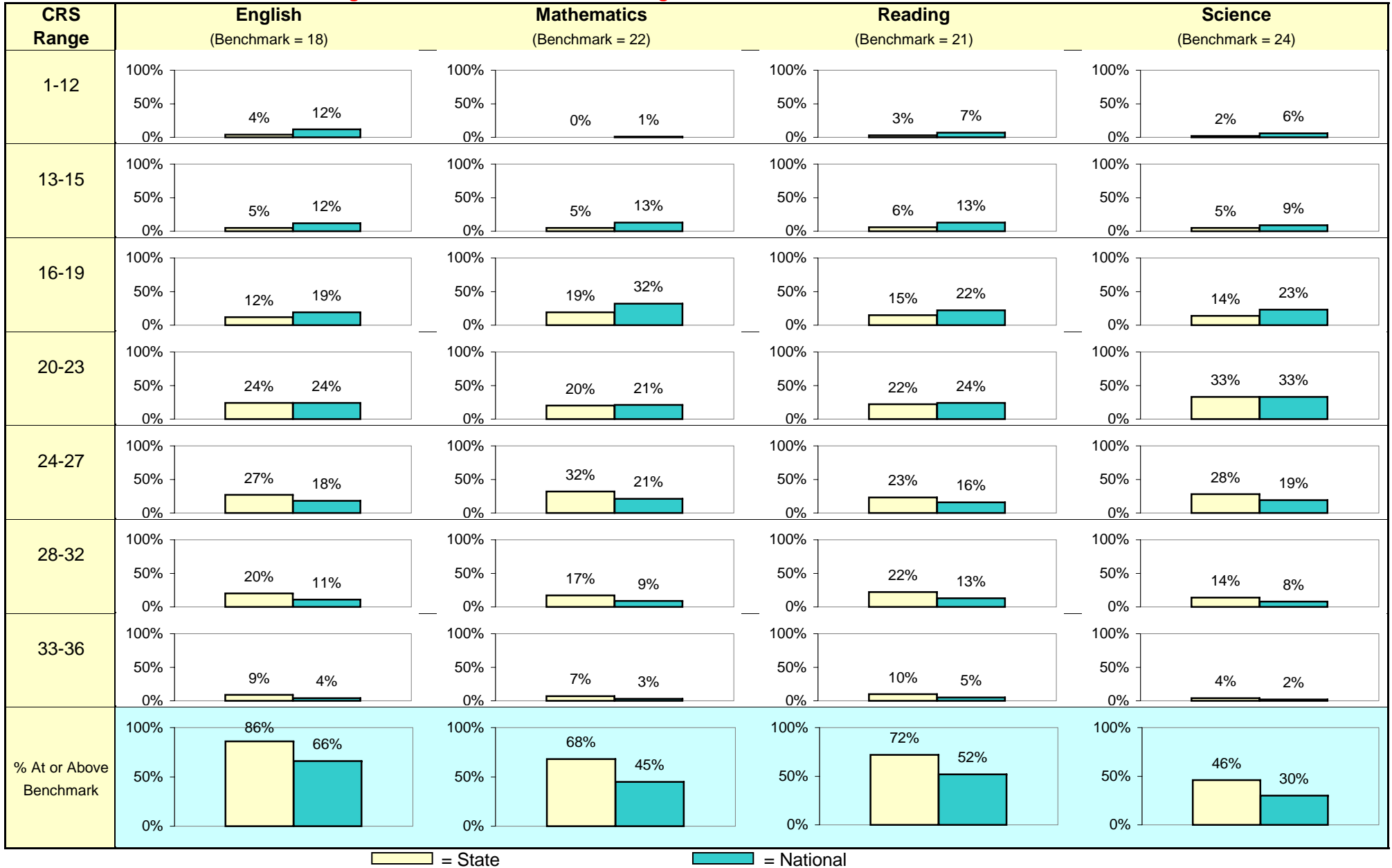
Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2007			2008			2009			2010			2011		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	6,651	100	23.2	8,159	100	23.3	9,240	100	23.5	10,453	100	23.7	10,809	100	23.9
Black/African American	360	5	18.3	410	5	18.4	462	5	18.4	545	5	18.8	611	6	18.7
American Indian/Alaska Native	20	0	21.5	22	0	21.7	18	0	20.5	25	0	21.1	20	0	22.2
White	3,901	59	23.5	5,369	66	23.4	6,856	74	23.8	7,910	76	24.0	8,117	75	24.4
Hispanic/Latino	213	3	20.9	348	4	20.9	411	4	21.1	476	5	21.6	656	6	21.4
Asian	178	3	24.6	265	3	24.8	338	4	25.1	459	4	25.7	479	4	25.4
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	1	0	17.0
Two or more races	104	2	23.5	135	2	22.7	167	2	22.3	204	2	22.8	182	2	23.4
Prefer not to respond/No response	1,875	28	23.7	1,610	20	24.3	988	11	24.6	834	8	23.8	743	7	24.4

¹Refer to the section header on page 5 for a description of race/ethnicity changes.

Total Students in Report: 10,809

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



Section II

Academic Achievement

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 10,809

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

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	67	100	77	100	153	100	72	100	6	100	36
35	280	99	159	99	173	99	75	99	64	100	35
34	261	97	292	98	365	97	65	99	129	99	34
33	342	94	222	95	377	94	170	98	189	98	33
32	338	91	287	93	419	90	159	96	285	96	32
31	434	88	266	90	454	86	136	95	379	94	31
30	358	84	297	88	556	82	279	94	469	90	30
29	444	81	426	85	402	77	343	91	563	86	29
28	563	77	598	81	505	73	640	88	620	81	28
27	676	71	750	76	505	69	478	82	692	75	27
26	606	65	886	69	532	64	706	78	819	69	26
25	658	60	873	61	562	59	829	71	835	61	25
24	944	53	937	53	842	54	1,034	63	884	53	24
23	553	45	797	44	532	46	1,116	54	736	45	23
22	786	40	522	36	676	41	643	44	767	38	22
21	697	32	378	32	681	35	945	38	643	31	21
20	556	26	430	28	522	28	878	29	594	25	20
19	400	21	413	24	541	24	507	21	489	20	19
18	300	17	492	20	440	19	499	16	417	15	18
17	268	14	526	16	337	15	284	11	354	11	17
16	315	12	638	11	267	11	229	9	294	8	16
15	289	9	343	5	232	9	219	7	219	5	15
14	176	6	124	2	301	7	158	5	154	3	14
13	95	5	52	1	136	4	123	3	96	2	13
12	102	4	16	1	147	3	75	2	62	1	12
11	101	3	6	1	86	1	67	1	32	1	11
10	79	2	2	1	33	1	43	1	17	1	10
9	60	1	0	1	12	1	26	1	1	1	9
8	34	1	0	1	6	1	4	1	0	1	8
7	21	1	0	1	7	1	4	1	0	1	7
6	3	1	0	1	6	1	1	1	0	1	6
5	2	1	0	1	2	1	1	1	0	1	5
4	1	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	1	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	24.0 (6.0)		23.9 (5.3)		24.1 (6.1)		23.1 (4.9)		23.9 (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: 10,809

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/ Sciences		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	728	100	344	100	564	100	573	100	966	100	268	100	433	100	18
17	1,072	93	20	97	683	95	1,229	95	799	91	222	98	30	96	17
16	849	83	1,309	97	1,124	88	1,193	83	771	84	579	95	614	96	16
15	984	75	1,359	85	775	78	1,080	72	1,058	77	688	90	1,245	90	15
14	831	66	1,108	72	809	71	799	62	1,260	67	1,447	84	1,410	79	14
13	901	59	1,213	62	1,023	63	994	55	1,395	55	1,786	70	1,366	65	13
12	910	50	1,345	50	1,377	54	872	46	791	42	1,152	54	1,249	53	12
11	1,144	42	1,294	38	971	41	1,034	38	1,095	35	1,431	43	1,237	41	11
10	1,104	31	839	26	940	32	673	28	685	25	1,133	30	1,025	30	10
9	626	21	745	18	773	24	643	22	435	18	930	19	906	20	9
8	521	15	478	11	639	16	519	16	720	14	525	11	575	12	8
7	379	11	288	7	535	10	395	11	542	8	304	6	287	7	7
6	324	7	170	4	247	6	437	7	175	3	100	3	221	4	6
5	193	4	115	3	191	3	212	3	71	1	131	2	56	2	5
4	118	2	119	2	98	1	101	1	27	1	27	1	80	1	4
3	92	1	55	1	40	1	43	1	12	1	68	1	31	1	3
2	32	1	8	1	13	1	10	1	4	1	8	1	33	1	2
1	1	1	0	1	7	1	2	1	3	1	10	1	11	1	1
Avg (SD)	12.4 (3.7)		12.3 (3.1)		12.2 (3.5)		12.6 (3.7)		12.8 (3.4)		11.9 (2.8)		12.0 (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)	28	27	29	26	28
Q2 (50th Percentile)	24	24	24	23	24
Q1 (25th Percentile)	20	20	20	20	20

Total Students in Report: 10,809

Table 2.4. Average ACT Composite Scores for Race/Ethnicity¹ by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ²	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	10,809	82	24.1	23.1
	Black/African American	611	76	18.7	18.7
	American Indian/Alaska Native	20	75	23.1	19.4
	White	8,117	84	24.5	23.7
	Hispanic/Latino	656	77	21.7	20.2
	Asian	479	79	25.5	25.6
	Native Hawaiian/Other Pac. Isl.	1	100	17.0	.
	Two or more races	182	79	23.8	21.7
	Prefer not/No Response	743	77	25.1	23.7
National	All Students	1,623,112	74	21.9	19.0
	Black/African American	223,383	69	17.5	15.9
	American Indian/Alaska Native	14,970	63	19.7	17.1
	White	981,585	76	23.1	20.3
	Hispanic/Latino	200,661	72	19.4	17.2
	Asian	66,650	81	24.1	21.9
	Native Hawaiian/Other Pac. Isl.	2,244	78	20.0	17.8
	Two or more races	46,378	72	21.8	19.3
	Prefer not/No Response	87,241	65	22.1	18.7

¹Refer to the section header on page 11 for a description of race/ethnicity changes.

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.

Table 2.5. Average ACT Scores by Race/Ethnicity¹

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	24.0	23.9	24.1	23.1	23.9
	Black/African American	18.2	18.9	18.6	18.4	18.7
	American Indian/Alaska Native	22.1	21.9	22.7	21.6	22.2
	White	24.6	24.3	24.7	23.5	24.4
	Hispanic/Latino	21.1	21.4	21.6	20.8	21.4
	Asian	24.9	27.1	24.9	24.4	25.4
	Native Hawaiian/Other Pac. Isl.	17.0	19.0	17.0	15.0	17.0
	Two or more races	23.8	23.2	23.7	22.5	23.4
	Prefer not/No Response	24.4	24.6	24.6	23.3	24.4
National	All Students	20.6	21.1	21.3	20.9	21.1
	Black/African American	15.9	17.2	17.0	17.1	17.0
	American Indian/Alaska Native	17.5	18.6	19.1	18.9	18.6
	White	22.1	22.1	22.7	22.1	22.4
	Hispanic/Latino	17.6	19.2	18.9	18.8	18.7
	Asian	22.8	25.1	22.9	23.1	23.6
	Native Hawaiian/Other Pac. Isl.	18.6	19.9	19.4	19.5	19.5
	Two or more races	20.7	20.7	21.6	20.9	21.1
	Prefer not/No Response	20.2	20.9	21.0	20.4	20.7

¹Refer to the section header on page 11 for a description of race/ethnicity changes.

Total Students in Report: 10,809

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	950	9	750	7	1,068	10	382	4
	28 to 32	2,137	20	1,874	17	2,336	22	1,557	14
	24 to 27	2,884	27	3,446	32	2,441	23	3,047	28
	20 to 23	2,592	24	2,127	20	2,411	22	3,582	33
	16 to 19	1,283	12	2,069	19	1,585	15	1,519	14
	13 to 15	560	5	519	5	669	6	500	5
	01 to 12	403	4	24	0	299	3	222	2
National	33 to 36	68,159	4	49,703	3	81,236	5	32,031	2
	28 to 32	174,801	11	144,331	9	211,084	13	130,969	8
	24 to 27	286,161	18	344,894	21	265,974	16	316,182	19
	20 to 23	394,076	24	332,913	21	382,505	24	530,056	33
	16 to 19	309,855	19	525,628	32	360,259	22	366,855	23
	13 to 15	201,235	12	217,338	13	214,265	13	153,754	9
	01 to 12	188,825	12	8,305	1	107,789	7	93,265	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	4,702	44	23.5	24.5	23.7	23.5	23.9
	Females	6,100	56	24.4	23.5	24.5	22.7	23.9
	Missing	7	0	20.3	20.3	20.7	22.4	21.1
National	Males	739,070	46	20.2	21.6	21.1	21.4	21.2
	Females	879,957	54	20.9	20.6	21.4	20.5	21.0
	Missing	4,085	0	16.4	17.8	17.7	17.8	17.6

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	84	71	69	51	45
	Females	87	66	74	43	39
National	Males	64	49	51	34	28
	Females	69	41	53	26	22

Total Students in Report: 10,809

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	8,886	87	24.3	71	24.2	73	24.4	48	23.3	43	24.1
	Less than Core	1,736	80	23.2	58	23.0	65	23.3	39	22.2	36	23.1
	Missing ³	187	61	20.2	50	21.4	52	20.9	29	20.4	27	20.9
National	Core or More	1,202,164	72	21.5	51	21.8	57	22.0	34	21.6	29	21.9
	Less than Core	366,518	51	18.3	27	19.0	38	19.3	17	19.0	13	19.0
	Missing	54,430	38	16.3	21	18.0	27	17.7	12	17.7	9	17.5

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	10,467	86	24.1	10,520	69	24.0	9,420	72	24.2	10,144	48	23.3
	Less than Core	172	68	20.8	115	25	18.6	1,213	71	24.3	490	19	19.5
	Missing ³	170	64	20.5	174	51	21.7	176	54	21.2	175	30	20.5
National	Core or More	1,510,179	68	20.9	1,494,425	47	21.4	1,424,252	54	21.6	1,367,777	33	21.4
	Less than Core	66,225	40	16.6	79,145	8	16.4	149,746	40	19.7	205,148	12	18.3
	Missing	46,708	39	16.5	49,542	21	18.1	49,114	28	17.9	50,187	13	17.8

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.

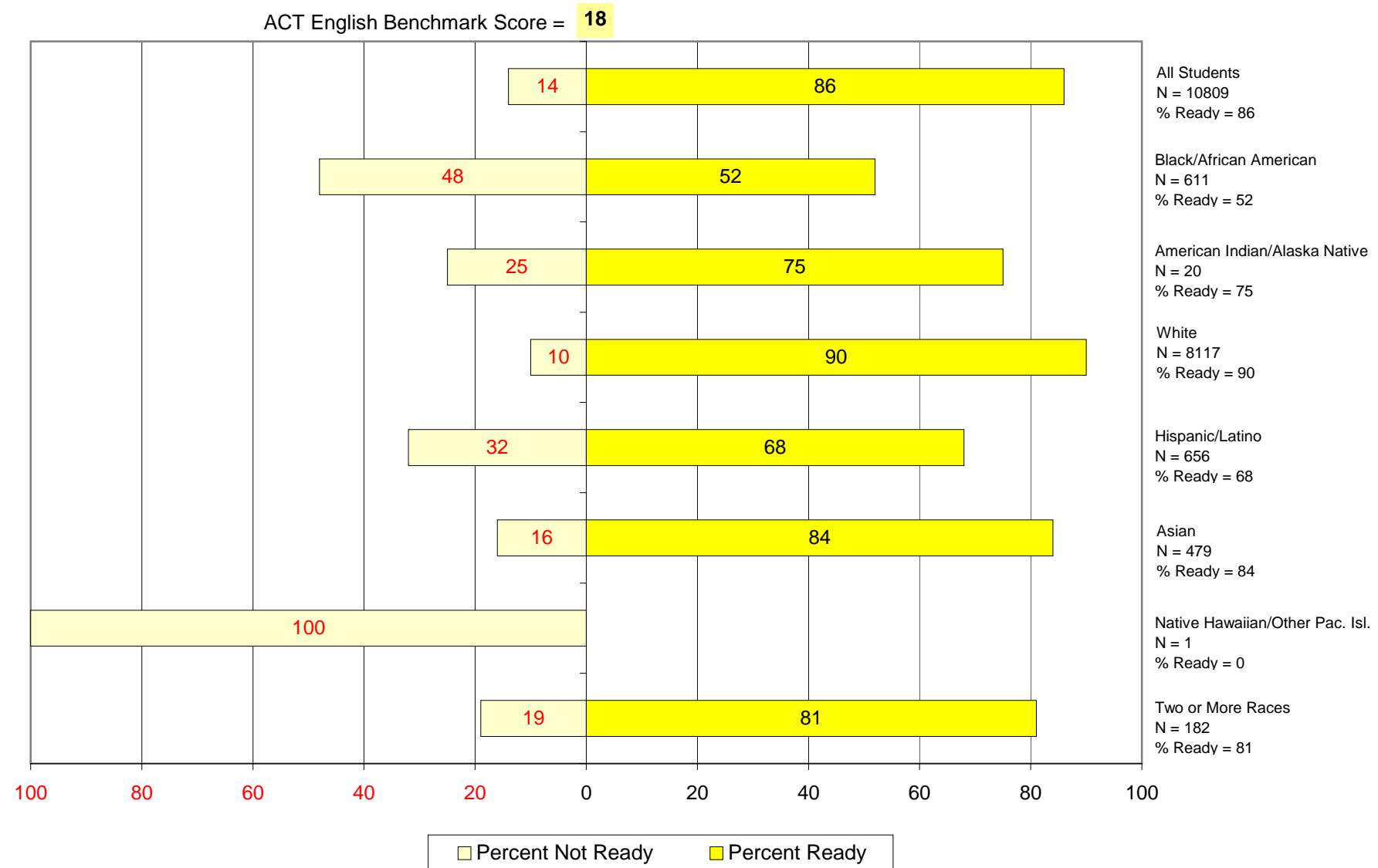
³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ENGLISH

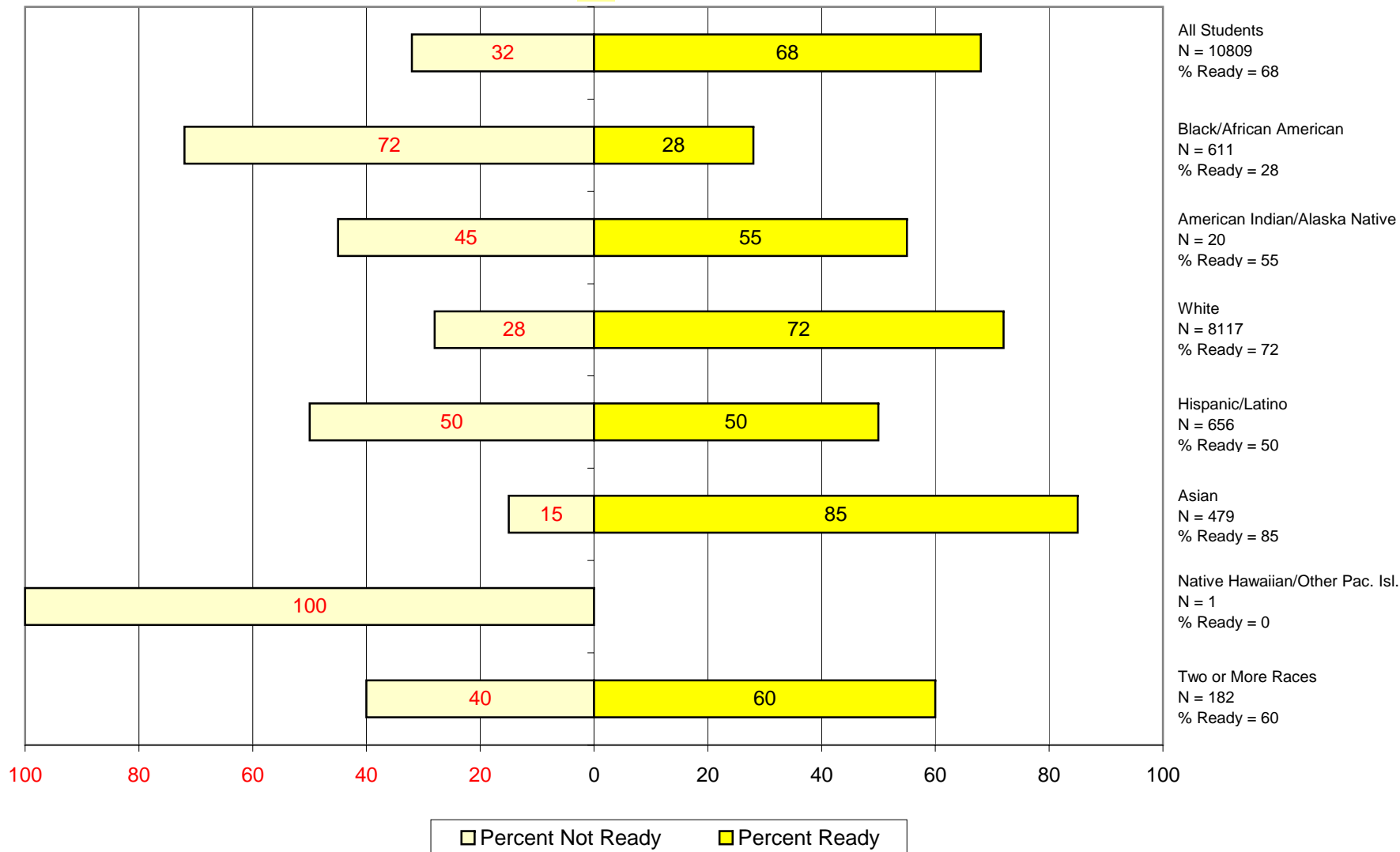


¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 10,809

Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: MATHEMATICS

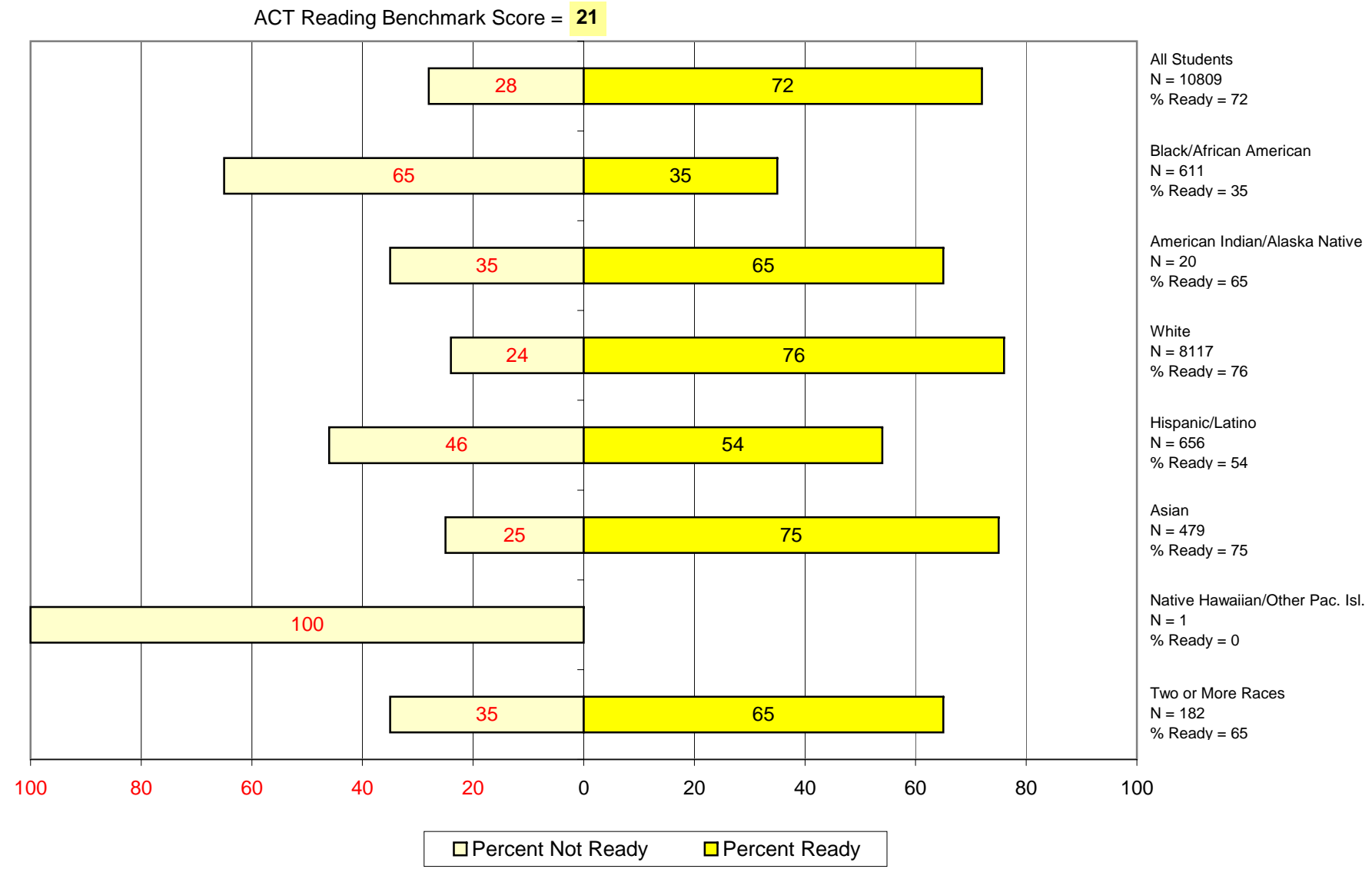
ACT Mathematics Benchmark Score = **22**



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 10,809

Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: READING

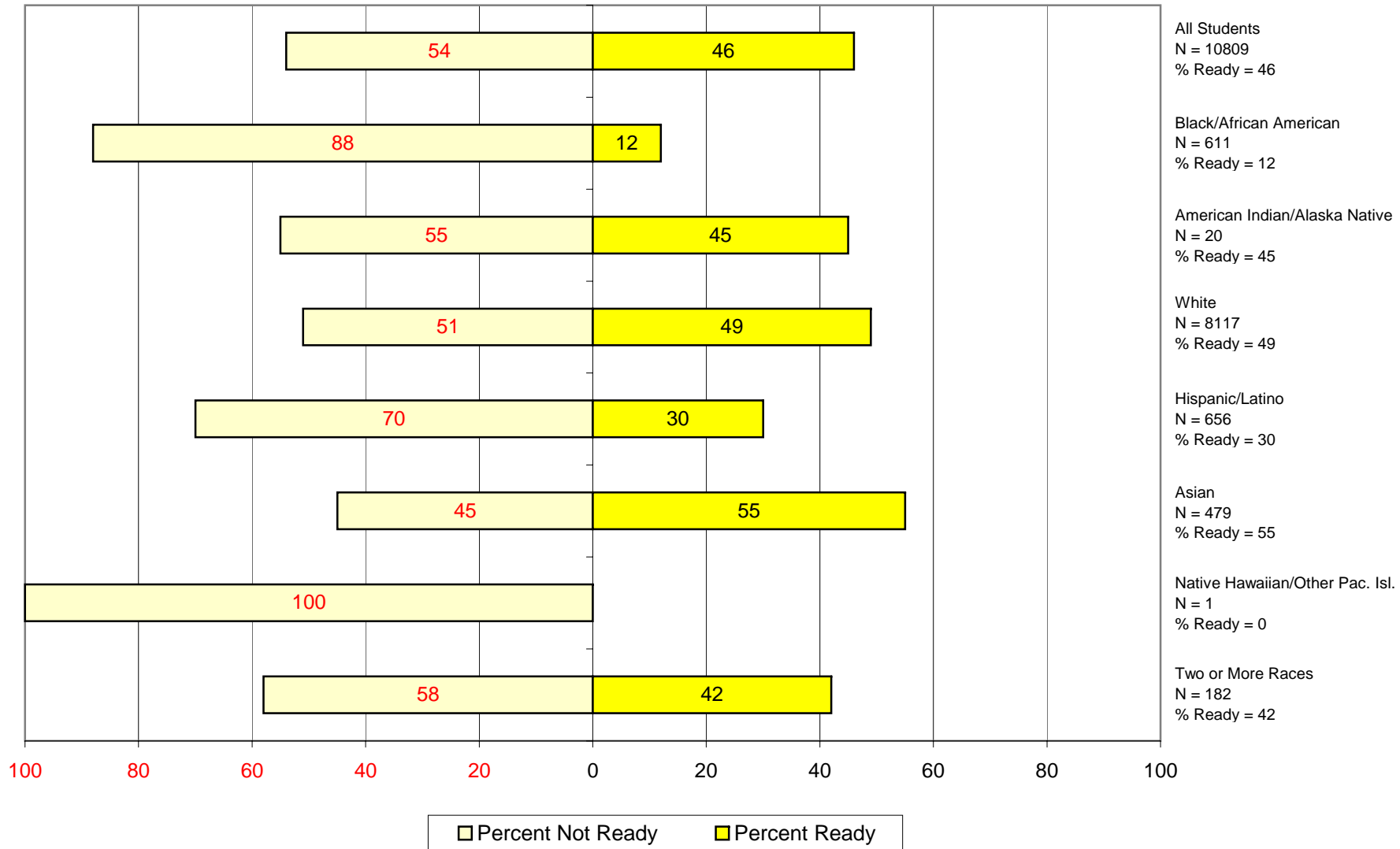


¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 10,809

Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: SCIENCE

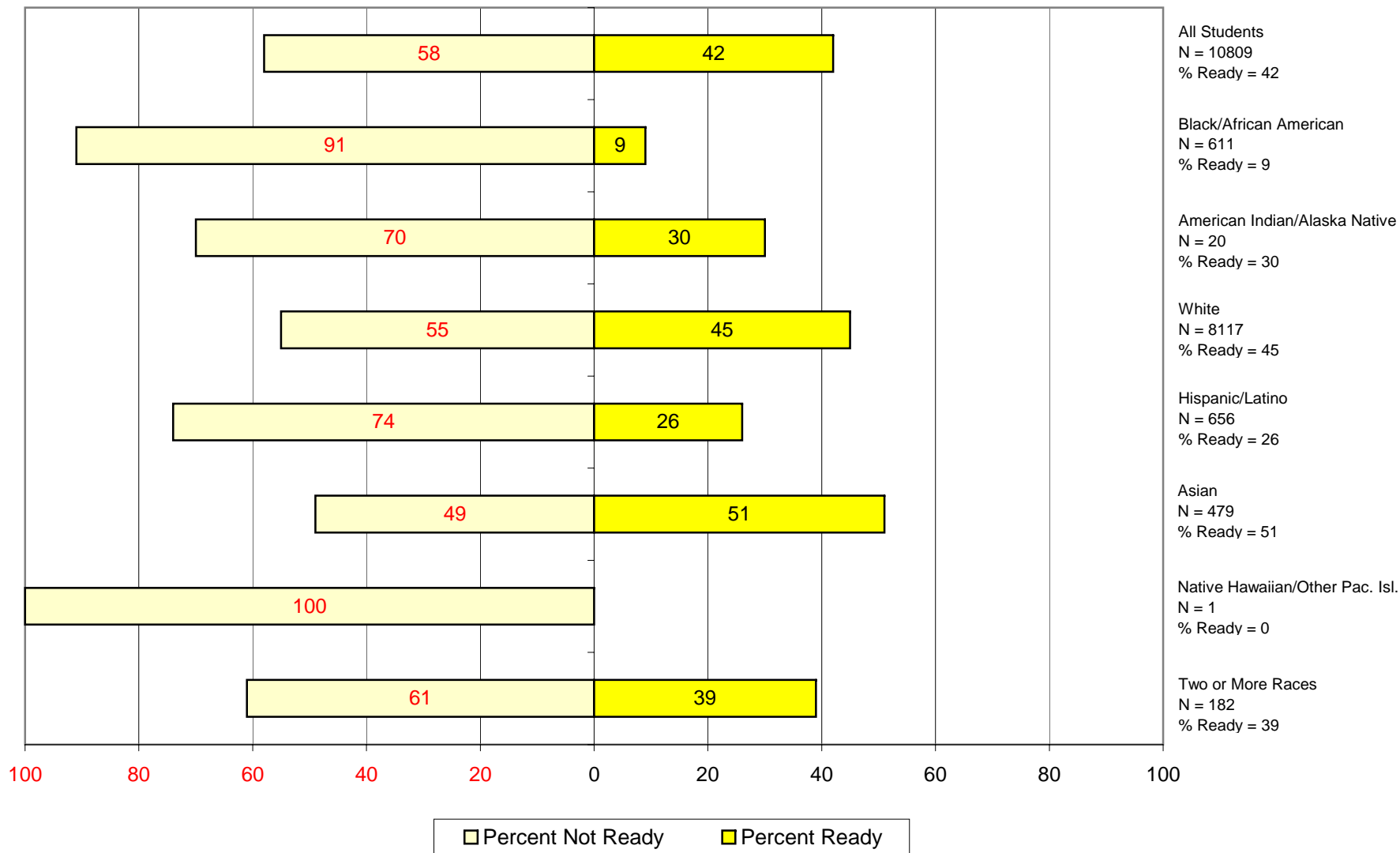
ACT Science Benchmark Score = **24**



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 10,809

Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ALL FOUR



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 10,809

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	3,134	29	24.4	3.6	1,282	27	23.9	4.0	1,850	30	24.7	2.9
Eng 9, Eng 10, Eng 11, Eng 12	7,333	68	24.0	3.2	3,244	69	23.5	3.6	4,084	67	24.4	2.6
Less than 4 years of English	172	2	20.8	-	94	2	19.9	-	78	1	21.8	-
Zero years / no English courses reported	170	2	20.5	-	82	2	19.5	-	88	1	21.5	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	963	9	26.6	8.0	436	9	27.2	8.1	527	9	26.2	8.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	980	9	23.1	4.5	395	8	23.3	4.2	585	10	22.9	4.7
Alg 1, Alg 2, Geom, & Trig	584	5	20.5	1.9	257	5	20.8	1.7	327	5	20.3	2.1
Alg 1, Alg 2, Geom, & Other Adv Math	1,956	18	21.3	2.7	689	15	21.6	2.5	1,263	21	21.1	2.9
Other comb of 4 or more years of Math	4,795	44	26.1	7.5	2,264	48	26.7	7.6	2,529	41	25.7	7.5
Alg 1, Alg 2, & Geom	690	6	18.4	-0.2	289	6	18.4	-0.7	400	7	18.5	0.3
Other comb of 3 or 3.5 years of Math	552	5	23.2	4.6	240	5	23.8	4.7	312	5	22.7	4.5
Less than 3 years of Math	115	1	18.6	-	49	1	19.1	-	66	1	18.2	-
Zero years / no Math courses reported	174	2	21.7	-	83	2	21.4	-	91	1	22.0	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,162	11	25.4	1.1	533	11	24.5	0.6	627	10	26.2	1.6
Other comb of 4 or more years Social Science	4,446	41	24.0	-0.3	1,957	42	23.6	-0.3	2,488	41	24.4	-0.2
US Hist, World Hist, & Am Gov	893	8	24.0	-0.3	416	9	23.4	-0.5	477	8	24.6	0.0
Other comb of 3 or 3.5 years of Social Science	2,919	27	24.0	-0.3	1,162	25	23.6	-0.3	1,757	29	24.2	-0.4
Less than 3 years of Social Science	1,213	11	24.3	-	548	12	23.9	-	661	11	24.6	-
Zero years / no Social Science courses reported	176	2	21.2	-	86	2	20.1	-	90	1	22.2	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	6,389	59	23.7	4.2	2,924	62	24.2	4.7	3,464	57	23.3	3.8
Bio, Chem, Phys	1,398	13	25.0	5.5	650	14	25.6	6.1	746	12	24.5	5.0
Gen Sci ² , Bio, Chem	2,222	21	21.1	1.6	778	17	20.9	1.4	1,443	24	21.1	1.6
Other comb of 3 years of Natural Science	135	1	20.7	1.2	68	1	20.7	1.2	67	1	20.8	1.3
Less than 3 years of Natural Science	490	5	19.5	-	197	4	19.5	-	290	5	19.5	-
Zero years / no Natural Science courses reported	175	2	20.5	-	85	2	20.2	-	90	1	20.8	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 10,809

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	3,134	29	24.4	87	366,770	23	21.8	74
Eng 9, Eng 10, Eng 11, Eng 12	7,333	68	24.0	86	1,143,409	70	20.6	66
Less than 4 years of English	172	2	20.8	68	66,225	4	16.6	40
Zero years / no English courses reported	170	2	20.5	64	46,708	3	16.5	39
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	963	9	26.6	88	102,806	6	24.2	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	980	9	23.1	70	147,655	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	584	5	20.5	42	115,939	7	19.7	34
Alg 1, Alg 2, Geom, & Other Adv Math	1,956	18	21.3	51	271,304	17	19.9	36
Other comb of 4 or more years of Math	4,795	44	26.1	83	539,241	33	23.8	66
Alg 1, Alg 2, & Geom	690	6	18.4	22	238,527	15	17.3	12
Other comb of 3 or 3.5 years of Math	552	5	23.2	66	78,953	5	19.9	35
Less than 3 years of Math	115	1	18.6	25	79,145	5	16.4	8
Zero years / no Math courses reported	174	2	21.7	51	49,542	3	18.1	21
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,162	11	25.4	79	47,284	3	22.5	59
Other comb of 4 or more years Social Science	4,446	41	24.0	71	845,170	52	21.9	56
US Hist, World Hist, & Am Gov	893	8	24.0	70	86,167	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	2,919	27	24.0	71	445,631	27	21.1	51
Less than 3 years of Social Science	1,213	11	24.3	71	149,746	9	19.7	40
Zero years / no Social Science courses reported	176	2	21.2	54	49,114	3	17.9	28
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	6,389	59	23.7	52	686,167	42	22.1	39
Bio, Chem, Phys	1,398	13	25.0	62	160,020	10	23.1	46
Gen Sci ¹ , Bio, Chem	2,222	21	21.1	28	476,294	29	20.1	21
Other comb of 3 years of Natural Science	135	1	20.7	27	45,296	3	19.6	20
Less than 3 years of Natural Science	490	5	19.5	19	205,148	13	18.3	12
Zero years / no Natural Science courses reported	175	2	20.5	30	50,187	3	17.8	13

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Tables within this section have been changed to reflect the updated Educational Major categories implemented by ACT in the fall of 2010.

Total Students in Report: 10,809

Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans

Planned Educational Major ¹	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ²	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp
Agriculture & Natural Resources Conservation	68	1	22.2	1	1	18.0	56	1	22.4
Architecture	105	1	23.9	0	0	.	93	1	23.8
Area, Ethnic, & Multidisciplinary Studies	57	1	26.1	1	1	24.0	40	0	26.5
Arts: Visual & Performing	539	5	22.6	2	3	14.0	461	5	22.5
Business	1,382	13	23.5	19	28	20.3	1,157	13	23.3
Communications	382	4	22.8	3	4	13.3	330	4	22.8
Community, Family, & Personal Services	190	2	20.1	9	13	17.7	166	2	19.9
Computer Science & Mathematics	211	2	25.5	2	3	22.0	180	2	25.4
Education	643	6	22.1	4	6	16.5	579	6	22.1
Engineering	567	5	26.1	1	1	16.0	480	5	25.9
Engineering Technology & Drafting	215	2	24.9	3	4	19.7	184	2	25.0
English & Foreign Languages	233	2	26.1	1	1	15.0	197	2	26.2
Health Administration & Assisting	66	1	19.8	0	0	.	58	1	19.7
Health Sciences & Technologies	1,417	13	22.9	7	10	16.6	1,284	14	22.9
Philosophy, Religion, & Theology	29	0	23.7	0	0	.	25	0	23.2
Repair, Production, & Construction	29	0	19.7	5	7	20.4	19	0	18.5
Sciences: Biological & Physical	1,083	10	26.0	1	1	17.0	945	11	25.9
Social Sciences & Law	1,020	9	23.7	2	3	15.0	899	10	23.6
Undecided	2,331	22	24.7	5	7	14.0	1,712	19	24.5
No Response	242	2	21.4	3	4	17.0	87	1	21.8

¹Refer to the section header on page 25 for a description of educational major changes.

²2-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.

³Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 10,809

Table 4.2. Average ACT Composite Scores for Racial/Ethnic¹ Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Black/African American		American Indian/ Alaska Native		White		Hispanic/Latino	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	25	19.5	1	17.0	0	.	18	19.8	2	15.0
2-yr College Degree	44	17.1	3	17.0	0	.	34	17.3	3	14.7
Bachelors Degree	3,267	21.9	176	16.3	8	21.9	2,632	22.4	181	19.6
Graduate Study	2,928	24.6	110	19.7	2	23.5	2,351	24.9	154	22.2
Prof. Level Degree	2,757	25.3	235	20.1	9	22.8	1,825	26.1	218	22.4
Other	131	22.2	9	17.4	1	16.0	86	23.2	6	18.5
No Response	1,657	24.7	77	18.6	0	.	1,171	25.4	92	21.7

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Other Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	25	19.5	4	20.8	0	.	0	.	0	.
2-yr College Degree	44	17.1	2	16.5	0	.	1	15.0	1	22.0
Bachelors Degree	3,267	21.9	74	21.8	1	17.0	52	21.1	143	21.7
Graduate Study	2,928	24.6	105	25.4	0	.	45	23.9	161	25.1
Prof. Level Degree	2,757	25.3	199	26.8	0	.	55	25.0	216	26.1
Other	131	22.2	6	20.2	0	.	7	19.3	16	22.9
No Response	1,657	24.7	89	26.1	0	.	22	25.6	206	23.8

¹Refer to the section header on page 25 for a description of race/ethnicity changes.

Total Students in Report: 10,809

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 OF CONNECTICUT	Connecticut	1,031	392	639	1	3	13	28	33	20	2
CENTRAL CONNECTICUT STATE UNIVERSITY	Connecticut	342	90	252	3	11	33	31	18	3	0
SOUTHERN CONNECTICUT STATE UNIVERSITY	Connecticut	295	64	231	5	14	32	28	18	3	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	270	270	0	0	9	33	33	17	7	1
QUINNIPIAC UNIVERSITY	Connecticut	259	67	192	2	5	17	36	27	12	1
BOSTON UNIVERSITY	Massachusetts	249	88	161	0	1	7	19	39	28	6
NORTHEASTERN UNIVERSITY	Massachusetts	249	61	188	0	0	5	20	43	28	3
EASTERN CONNECTICUT STATE UNIVERSITY	Connecticut	217	52	165	2	10	33	30	21	3	0
UNIVERSITY OF RHODE ISLAND	Rhode Island	205	33	172	0	3	19	34	35	9	0
WESTERN CONNECTICUT STATE UNIVERSITY	Connecticut	181	50	131	3	14	35	31	14	4	0
BOSTON COLLEGE	Massachusetts	144	50	94	0	1	4	10	37	41	6
UNIVERSITY OF NEW HAVEN	Connecticut	137	60	77	2	12	23	39	20	4	1
SACRED HEART UNIVERSITY	Connecticut	125	22	103	5	10	32	30	17	5	2
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	122	16	106	0	5	12	38	36	9	0
FAIRFIELD UNIVERSITY	Connecticut	119	27	92	6	9	25	29	17	13	1
NCAA ELIGIBILITY CENTER	Indiana	114	79	35	0	6	18	32	21	22	0
UNIVERSITY OF HARTFORD	Connecticut	112	15	97	4	13	27	29	21	8	0
YALE UNIVERSITY	Connecticut	102	46	56	1	1	15	17	23	36	8
ROGER WILLIAMS UNIVERSITY	Rhode Island	101	20	81	0	1	12	47	29	12	0
FORDHAM UNIVERSITY	New York	93	25	68	0	2	9	19	38	31	1
MARIST COLLEGE	New York	92	23	69	0	2	11	29	33	25	0
NEW YORK UNIVERSITY	New York	90	26	64	1	4	19	17	32	24	2
UNIVERSITY OF VERMONT	Vermont	88	21	67	0	0	7	25	48	20	0
BROWN UNIVERSITY	Rhode Island	86	31	55	0	1	5	5	20	53	16
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	78	14	64	1	4	3	27	51	12	3
UNIVERSITY OF DELAWARE	Delaware	75	8	67	0	0	9	23	45	23	0
KEENE STATE COLLEGE	New Hampshire	74	23	51	1	4	23	42	26	4	0
WESTERN NEW ENGLAND COLLEGE	Massachusetts	74	16	58	0	7	23	36	22	11	1
SPRINGFIELD COLLEGE	Massachusetts	71	22	49	1	3	20	35	35	6	0
VILLANOVA UNIVERSITY	Pennsylvania	70	9	61	0	1	9	16	33	37	4
All Other Institutions		5,807	1,541	4,266	2	5	16	24	28	22	4
Total		11,072	3,261	7,811	1	5	17	26	28	19	3

Section V

Optional Writing Test Results

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 10,809

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity¹ and Gender for students who took ACT Writing

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	9,440	905,035	24.5	21.5	8.2	7.1	24.0	20.8
Black/African American	510	112,251	18.7	16.7	7.3	6.3	18.9	16.5
American Indian/Alaska Native	19	5,519	22.3	18.4	7.6	6.5	21.8	18.0
White	7,092	522,234	25.0	23.2	8.3	7.3	24.5	22.2
Hispanic/Latino	565	128,599	21.6	18.4	7.9	6.8	21.6	18.2
Asian	447	51,829	25.3	23.8	8.3	7.6	24.7	22.9
Native Hawaiian/Other Pac. Isl.	1	1,332	17.0	19.7	8.0	7.2	18.0	19.5
Two or more races	150	27,722	24.5	21.6	8.0	7.0	23.9	20.8
Prefer not/No Response	656	55,549	25.2	21.3	8.2	7.0	24.5	20.5
Males	3,993	399,206	24.0	21.3	8.0	6.8	23.5	20.3
Females	5,440	503,699	24.9	21.8	8.4	7.3	24.4	21.1
Missing	7	2,130	20.3	17.6	6.9	6.2	19.7	17.1

¹Refer to the section header on page 29 for a description of race/ethnicity changes.

