

ACT Profile Report - State

Graduating Class 2012
North Carolina



ACT, INC. -- CONFIDENTIAL



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This report provides information about the performance of your 2012 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 2012 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

30% 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: 18,817 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. 84% 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, 11% were college ready. 3% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 18% of these students were college ready. In comparison, 58% 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 8% of the cohort took less than three years of natural science courses. 9% of these students were college ready. In comparison, 37% 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 35% 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 404-231-1952.

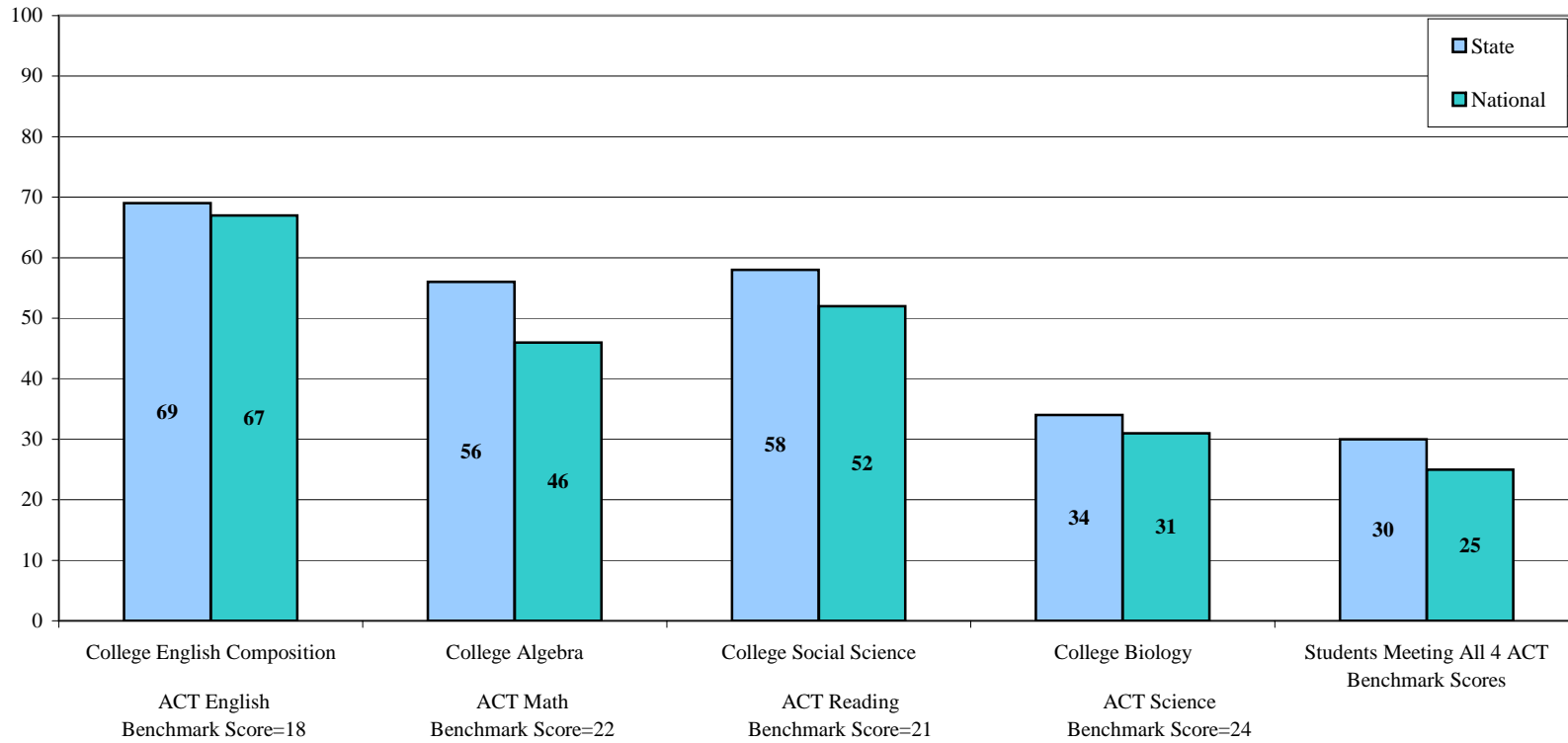
Section I

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: 18,817

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: 18,817

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
2008	13,054	1,421,941	67	68	49	43	55	53	28	28	24	22
2009	13,347	1,480,469	69	67	51	42	56	53	30	28	26	23
2010	14,673	1,568,835	70	66	55	43	58	52	34	29	30	24
2011	16,736	1,623,112	70	66	56	45	58	52	34	30	30	25
2012	18,817	1,666,017	69	67	56	46	58	52	34	31	30	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
2008	13,054	1,421,941	20.5	20.6	21.8	21.0	21.7	21.4	20.8	20.8	21.3	21.1
2009	13,347	1,480,469	20.9	20.6	22.0	21.0	21.9	21.4	21.1	20.9	21.6	21.1
2010	14,673	1,568,835	21.1	20.5	22.3	21.0	22.2	21.3	21.6	20.9	21.9	21.0
2011	16,736	1,623,112	21.2	20.6	22.4	21.1	22.2	21.3	21.4	20.9	21.9	21.1
2012	18,817	1,666,017	21.0	20.5	22.3	21.1	22.2	21.3	21.4	20.9	21.9	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
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
2012	1,666,017	20.5	21.1	21.3	20.9	21.1

Total Students in Report: 18,817

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
2008	9,169	2,905	70	22	21.3	17.7	22.4	19.6	22.4	19.2	21.4	18.7	22.0	18.9
2009	10,743	2,296	80	17	21.7	17.3	22.7	19.0	22.7	18.9	21.7	18.5	22.3	18.6
2010	11,960	2,474	82	17	21.9	17.1	23.0	19.3	22.9	18.8	22.2	18.6	22.6	18.6
2011	13,768	2,600	82	16	21.9	17.4	23.0	19.4	22.8	19.0	22.0	18.7	22.5	18.8
2012	15,843	2,771	84	15	21.7	17.5	22.9	19.4	22.8	19.1	21.9	18.7	22.4	18.8

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.

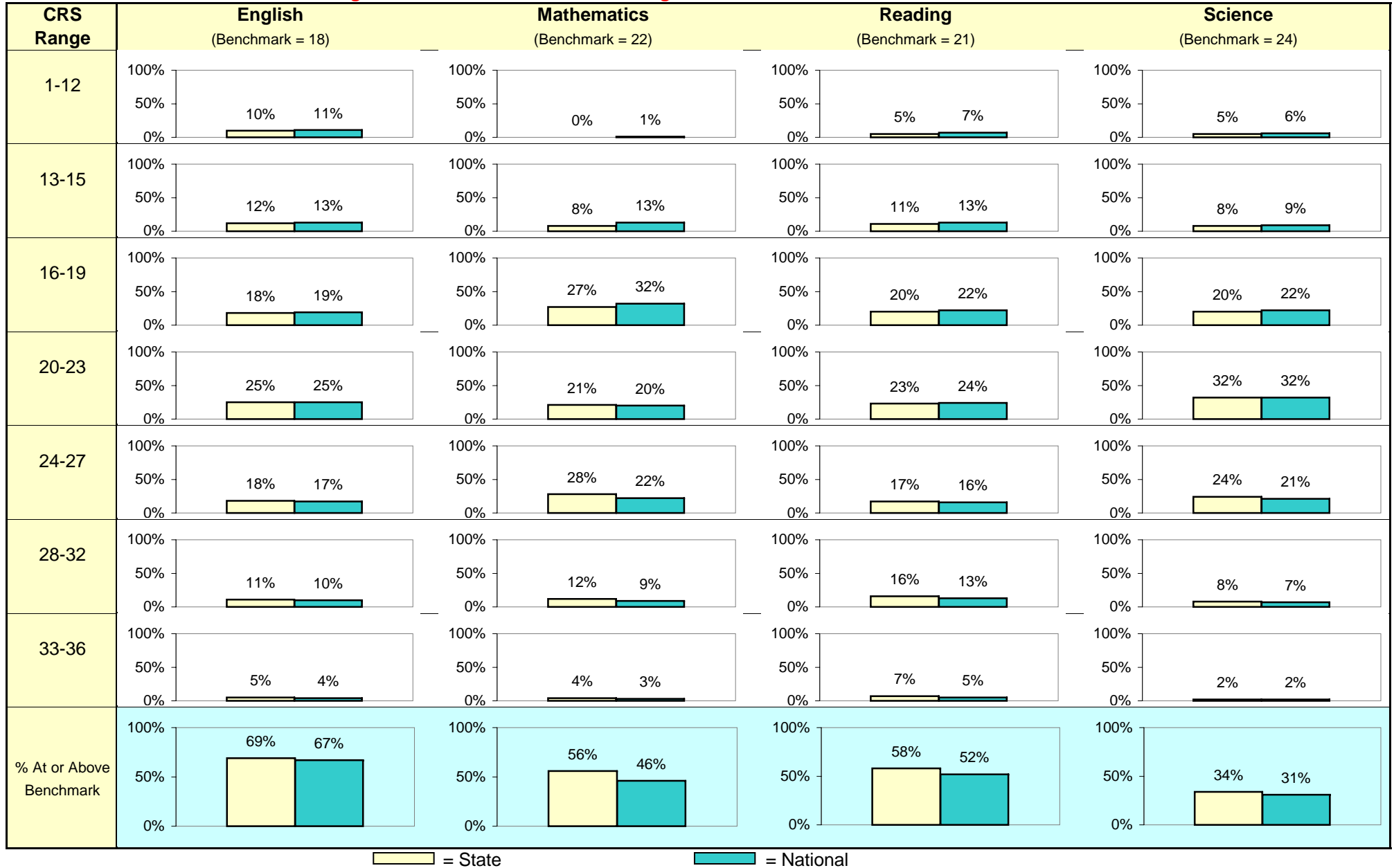
Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2008			2009			2010			2011			2012		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	13,054	100	21.3	13,347	100	21.6	14,673	100	21.9	16,736	100	21.9	18,817	100	21.9
Black/African American	2,934	22	17.0	2,946	22	17.1	3,099	21	17.4	3,606	22	17.4	4,107	22	17.2
American Indian/Alaska Native	118	1	20.2	117	1	19.8	149	1	19.3	138	1	18.6	164	1	19.4
White	8,013	61	22.6	8,571	64	23.0	9,377	64	23.4	10,435	62	23.5	11,423	61	23.4
Hispanic/Latino	369	3	20.7	432	3	20.9	596	4	20.3	819	5	20.8	1,168	6	20.9
Asian	349	3	24.5	374	3	24.7	490	3	24.3	594	4	24.6	642	3	24.8
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	5	0	19.4	24	0	21.3
Two or more races	247	2	20.9	308	2	21.4	394	3	21.5	478	3	21.1	607	3	21.5
Prefer not to respond/No response	1,024	8	22.9	599	4	22.9	568	4	22.8	661	4	23.2	682	4	23.3

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

Total Students in Report: 18,817

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



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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: 18,817

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	62	100	68	100	206	100	98	100	9	100	36
35	268	100	163	100	246	99	94	99	69	100	35
34	312	98	229	99	313	98	93	99	139	100	34
33	319	97	298	98	480	96	129	98	205	99	33
32	342	95	273	96	517	93	199	98	307	98	32
31	367	93	276	95	702	91	280	97	390	96	31
30	468	91	380	93	611	87	314	95	492	94	30
29	465	89	515	91	582	84	283	94	655	91	29
28	512	86	772	88	650	81	507	92	751	88	28
27	751	83	1,060	84	697	77	914	89	853	84	27
26	710	79	1,355	79	688	73	717	85	943	79	26
25	835	76	1,309	71	717	70	1,217	81	1,122	74	25
24	1,154	71	1,534	64	1,146	66	1,590	74	1,210	68	24
23	948	65	1,230	56	1,021	60	1,403	66	1,284	62	23
22	1,119	60	1,055	50	1,048	54	1,466	58	1,333	55	22
21	1,500	54	594	44	1,339	49	1,661	51	1,271	48	21
20	1,157	46	1,029	41	981	42	1,541	42	1,189	41	20
19	961	40	1,027	35	975	37	1,127	34	1,126	35	19
18	746	35	1,171	30	1,190	31	1,218	28	1,170	29	18
17	762	31	1,318	24	838	25	828	21	1,014	23	17
16	941	27	1,577	17	781	21	655	17	910	17	16
15	903	22	1,037	8	850	16	563	13	770	13	15
14	823	17	325	3	710	12	494	10	626	9	14
13	441	13	149	1	539	8	493	8	469	5	13
12	464	10	32	1	458	5	310	5	288	3	12
11	430	8	23	1	259	3	196	3	130	1	11
10	399	6	9	1	127	1	224	2	52	1	10
9	245	3	3	1	65	1	112	1	26	1	9
8	247	2	1	1	28	1	33	1	8	1	8
7	102	1	0	1	20	1	30	1	4	1	7
6	38	1	4	1	15	1	18	1	1	1	6
5	19	1	0	1	12	1	3	1	1	1	5
4	5	1	0	1	2	1	4	1	0	1	4
3	2	1	0	1	1	1	2	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	1	1	2	1	1	1	0	1	1
Avg (SD)	21.0 (6.5)		22.3 (5.2)		22.2 (6.4)		21.4 (5.2)		21.9 (5.3)		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: 18,817

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	892	100	244	100	651	100	822	100	1,231	100	271	100	284	100	18
17	902	95	307	99	1,069	97	1,255	96	1,239	93	160	99	48	98	17
16	1,150	90	1,083	97	1,266	91	1,428	89	823	87	721	98	745	98	16
15	789	84	1,154	91	1,021	84	1,370	81	1,453	82	980	94	1,286	94	15
14	1,288	80	1,556	85	1,194	79	1,495	74	1,587	75	2,066	89	1,814	87	14
13	812	73	1,627	77	1,533	72	1,547	66	2,208	66	2,683	78	1,872	78	13
12	1,477	69	1,978	68	1,972	64	1,532	58	1,954	55	1,937	63	2,562	68	12
11	1,783	61	2,209	58	1,461	54	1,493	50	1,774	44	2,424	53	1,974	54	11
10	2,052	52	1,645	46	1,738	46	1,599	42	1,504	35	2,561	40	2,323	44	10
9	1,674	41	2,203	37	1,688	37	1,536	33	1,159	27	2,012	27	1,925	31	9
8	1,457	32	1,405	26	1,544	28	1,492	25	1,610	21	1,520	16	1,424	21	8
7	1,374	24	1,113	18	1,849	20	995	17	1,471	12	625	8	1,124	14	7
6	1,200	17	803	12	826	10	1,182	12	496	4	299	5	733	8	6
5	774	10	629	8	472	5	606	6	184	2	300	3	114	4	5
4	524	6	561	5	294	3	247	2	85	1	63	1	397	3	4
3	417	4	227	2	112	1	177	1	31	1	131	1	18	1	3
2	229	1	62	1	85	1	32	1	7	1	6	1	121	1	2
1	23	1	11	1	42	1	9	1	1	1	58	1	53	1	1
Avg (SD)	10.6 (4.0)		10.7 (3.4)		11.1 (3.7)		11.5 (3.8)		12.0 (3.5)		11.3 (2.9)		11.0 (3.1)		Avg (SD)

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

Table 2.3. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	25	26	27	25	26
Q2 (50th Percentile)	21	23	22	21	22
Q1 (25th Percentile)	16	18	17	18	18

Total Students in Report: 18,817

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	18,817	84	22.4	18.8
	Black/African American	4,107	73	17.7	15.7
	American Indian/Alaska Native	164	84	19.7	17.4
	White	11,423	88	23.7	21.2
	Hispanic/Latino	1,168	84	21.3	18.1
	Asian	642	90	25.0	22.5
	Native Hawaiian/Other Pac. Isl.	24	79	22.1	17.5
	Two or more races	607	83	22.0	19.0
	Prefer not/No Response	682	85	23.9	19.6
National	All Students	1,666,017	76	21.8	19.1
	Black/African American	222,237	72	17.5	15.9
	American Indian/Alaska Native	13,523	66	19.3	16.9
	White	983,148	77	23.0	20.3
	Hispanic/Latino	234,456	73	19.5	17.4
	Asian	68,080	81	24.1	21.8
	Native Hawaiian/Other Pac. Isl.	4,545	74	20.4	18.3
	Two or more races	55,500	76	22.0	19.6
	Prefer not/No Response	84,528	68	22.5	19.2

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	21.0	22.3	22.2	21.4	21.9
	Black/African American	15.5	18.2	17.3	17.2	17.2
	American Indian/Alaska Native	17.7	20.3	19.6	19.4	19.4
	White	22.9	23.7	23.9	22.8	23.4
	Hispanic/Latino	19.6	21.4	21.3	20.5	20.9
	Asian	23.6	26.6	24.2	24.2	24.8
	Native Hawaiian/Other Pac. Isl.	20.5	21.8	21.6	20.8	21.3
	Two or more races	20.6	21.9	21.9	21.2	21.5
	Prefer not/No Response	22.9	23.3	23.9	22.5	23.3
National	All Students	20.5	21.1	21.3	20.9	21.1
	Black/African American	16.0	17.3	17.2	17.2	17.0
	American Indian/Alaska Native	17.1	18.5	18.7	18.7	18.4
	White	22.1	22.1	22.7	22.1	22.4
	Hispanic/Latino	17.7	19.4	19.0	18.9	18.9
	Asian	22.7	25.2	22.9	23.2	23.6
	Native Hawaiian/Other Pac. Isl.	18.9	20.4	19.8	19.7	19.8
	Two or more races	21.0	21.1	21.8	21.2	21.4
	Prefer not/No Response	20.7	21.3	21.5	20.9	21.3

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

Total Students in Report: 18,817

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	961	5	758	4	1,245	7	414	2
	28 to 32	2,154	11	2,216	12	3,062	16	1,583	8
	24 to 27	3,450	18	5,258	28	3,248	17	4,438	24
	20 to 23	4,724	25	3,908	21	4,389	23	6,071	32
	16 to 19	3,410	18	5,093	27	3,784	20	3,828	20
	13 to 15	2,167	12	1,511	8	2,099	11	1,550	8
	01 to 12	1,951	10	73	0	990	5	933	5
National	33 to 36	74,039	4	50,719	3	81,737	5	30,082	2
	28 to 32	167,405	10	149,540	9	223,134	13	123,485	7
	24 to 27	291,143	17	369,818	22	262,453	16	355,144	21
	20 to 23	414,094	25	332,787	20	399,794	24	532,341	32
	16 to 19	318,585	19	538,042	32	366,975	22	373,233	22
	13 to 15	210,405	13	216,778	13	220,083	13	158,083	9
	01 to 12	190,346	11	8,333	1	111,841	7	93,649	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	8,074	43	20.6	23.0	22.1	22.0	22.0
	Females	10,743	57	21.3	21.8	22.3	20.9	21.7
	Missing	0	0
National	Males	761,554	46	20.2	21.7	21.2	21.4	21.2
	Females	900,625	54	20.9	20.6	21.4	20.5	21.0
	Missing	3,838	0	16.1	17.8	17.6	17.8	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	67	60	57	40	35
	Females	71	52	59	30	26
National	Males	64	50	51	35	29
	Females	69	42	53	27	22

Total Students in Report: 18,817

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	15,843	74	21.7	61	22.9	62	22.8	37	21.9	33	22.4
	Less than Core	2,771	44	17.5	30	19.4	36	19.1	17	18.7	14	18.8
	Missing ³	203	52	18.8	44	20.6	48	20.3	21	19.8	19	20.0
National	Core or More	1,259,744	72	21.3	51	21.8	57	22.0	35	21.6	29	21.8
	Less than Core	355,849	51	18.3	29	19.1	38	19.4	19	19.1	14	19.1
	Missing	50,424	38	16.2	22	18.1	27	17.6	14	17.8	10	17.6

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	18,438	69	21.0	18,350	57	22.4	17,447	59	22.4	17,055	37	21.8
	Less than Core	186	58	20.0	270	11	16.9	1,173	43	20.0	1,567	9	17.5
	Missing ³	193	53	18.9	197	44	20.5	197	49	20.5	195	20	19.7
National	Core or More	1,558,562	68	20.8	1,550,768	48	21.4	1,471,658	54	21.6	1,425,217	33	21.4
	Less than Core	64,748	41	16.5	69,741	8	16.6	149,266	40	19.7	194,661	13	18.4
	Missing	42,707	40	16.5	45,508	22	18.2	45,093	29	17.8	46,139	14	17.9

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.

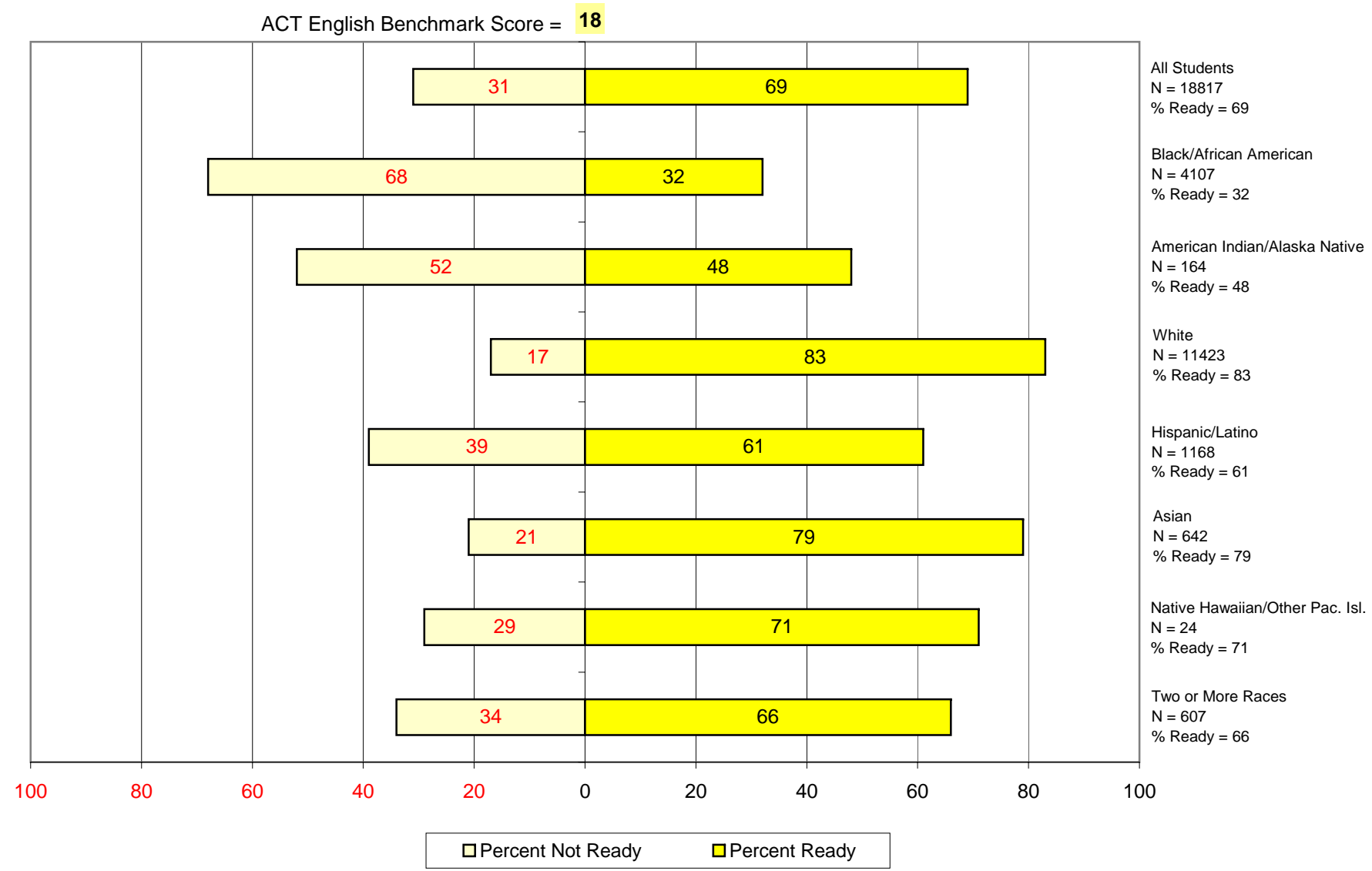
³ Zero years or no coursework information reported in the specified content area.

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.

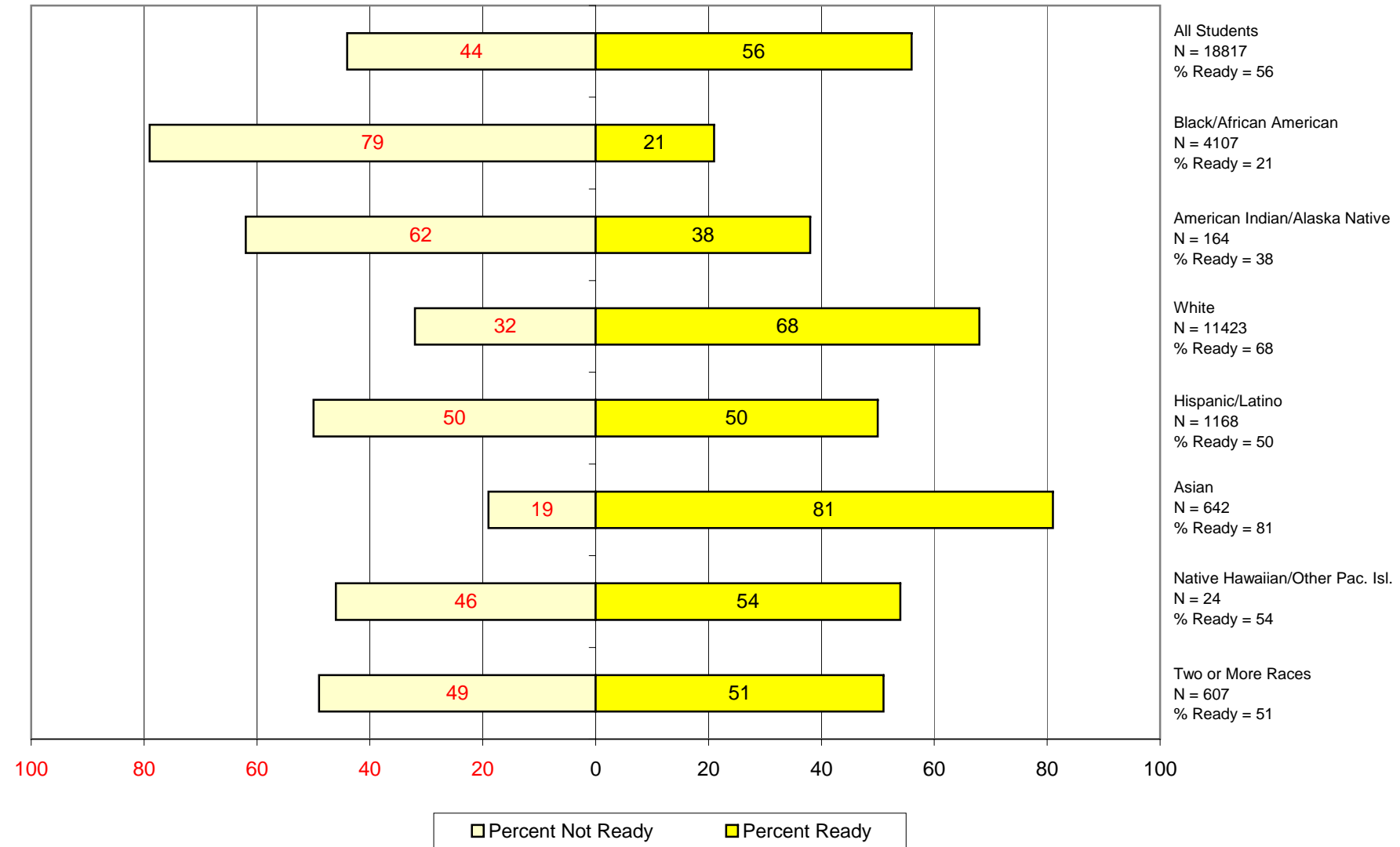
Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ENGLISH



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

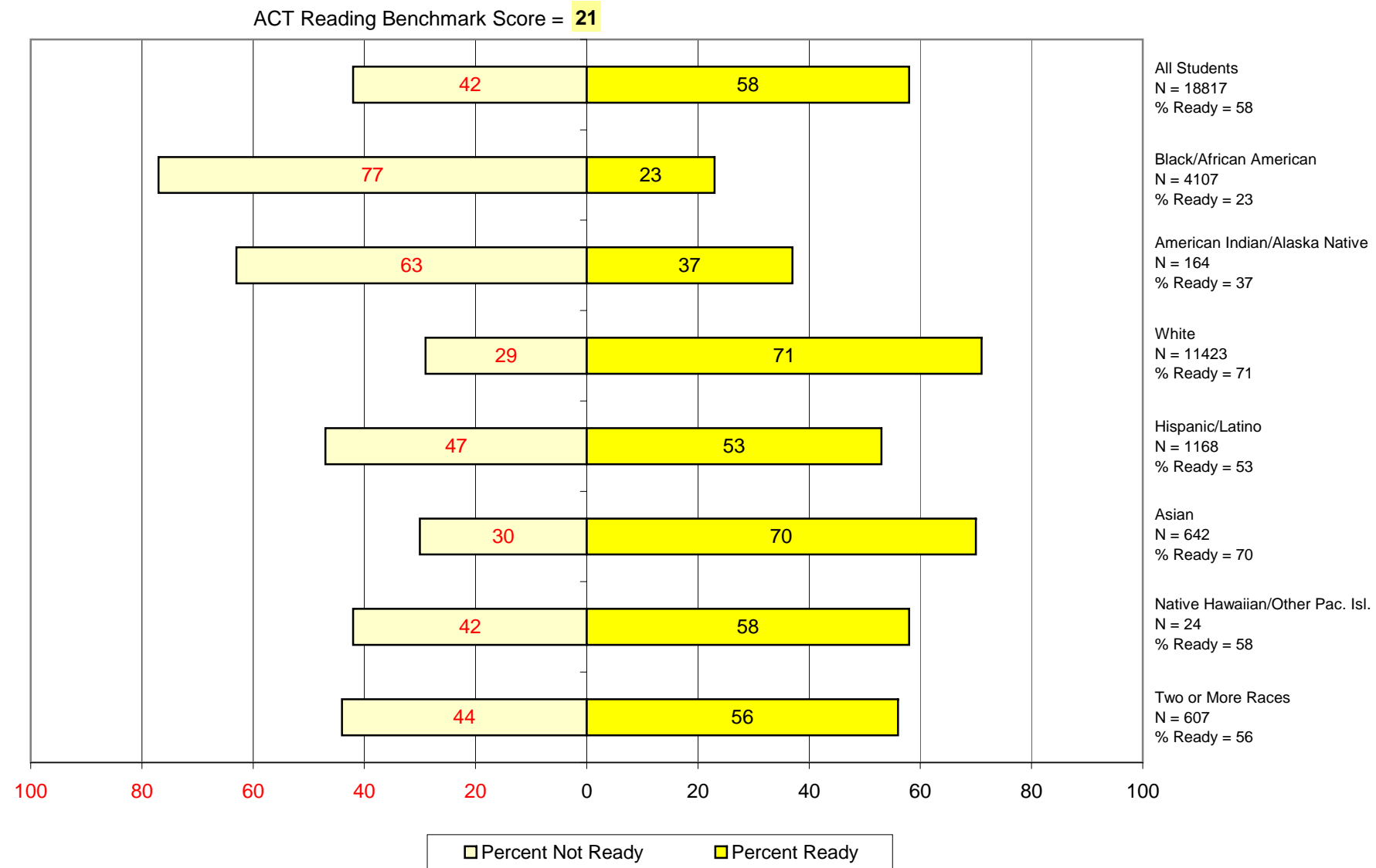
Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: MATHEMATICS

ACT Mathematics Benchmark Score = **22**



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

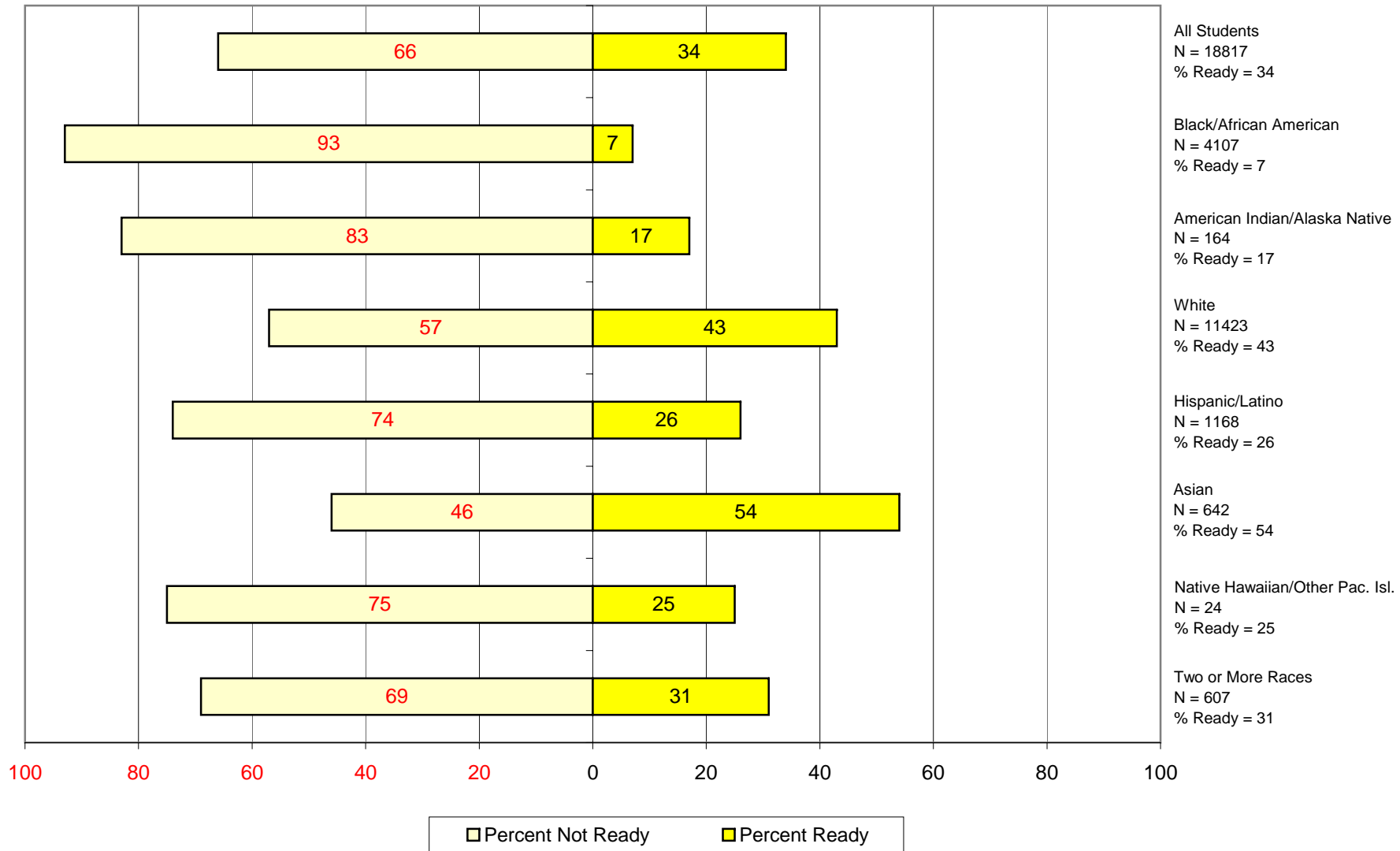
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: READING



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

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

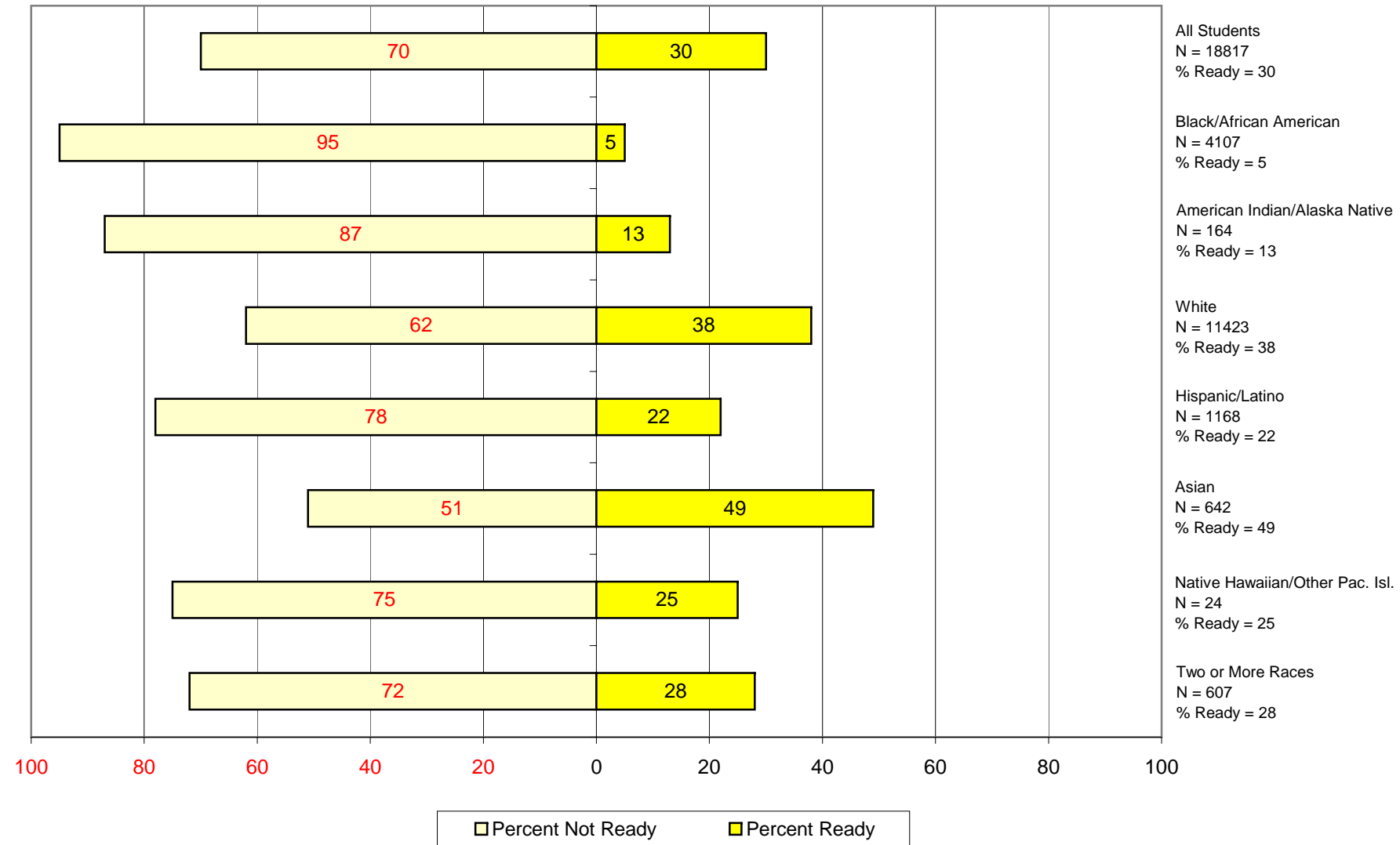
ACT Science Benchmark Score = **24**



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

Total Students in Report: 18,817

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: 18,817

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	3,874	21	22.3	2.3	1,484	18	22.0	3.1	2,390	22	22.4	1.4
Eng 9, Eng 10, Eng 11, Eng 12	14,564	77	20.7	0.7	6,419	80	20.4	1.5	8,145	76	21.0	0.0
Less than 4 years of English	186	1	20.0	-	89	1	18.9	-	97	1	21.0	-
Zero years / no English courses reported	193	1	18.9	-	82	1	17.9	-	111	1	19.6	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	680	4	26.0	9.1	330	4	26.5	9.9	350	3	25.6	8.3
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,392	7	22.3	5.4	494	6	23.2	6.6	898	8	21.9	4.6
Alg 1, Alg 2, Geom, & Trig	414	2	20.0	3.1	182	2	20.0	3.4	232	2	19.9	2.6
Alg 1, Alg 2, Geom, & Other Adv Math	6,258	33	19.8	2.9	2,299	28	20.0	3.4	3,959	37	19.7	2.4
Other comb of 4 or more years of Math	8,115	43	24.6	7.7	3,882	48	25.3	8.7	4,233	39	24.0	6.7
Alg 1, Alg 2, & Geom	632	3	17.9	1.0	298	4	18.0	1.4	334	3	17.9	0.6
Other comb of 3 or 3.5 years of Math	859	5	22.1	5.2	380	5	22.2	5.6	479	4	22.0	4.7
Less than 3 years of Math	270	1	16.9	-	126	2	16.6	-	144	1	17.3	-
Zero years / no Math courses reported	197	1	20.5	-	83	1	20.9	-	114	1	20.3	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	903	5	23.0	3.0	453	6	22.8	3.0	450	4	23.2	3.0
Other comb of 4 or more years Social Science	9,106	48	23.4	3.4	3,820	47	23.3	3.5	5,286	49	23.5	3.3
US Hist, World Hist, & Am Gov	2,159	11	19.8	-0.2	983	12	19.9	0.1	1,176	11	19.8	-0.4
Other comb of 3 or 3.5 years of Social Science	5,279	28	21.5	1.5	2,225	28	21.3	1.5	3,054	28	21.7	1.5
Less than 3 years of Social Science	1,173	6	20.0	-	509	6	19.8	-	664	6	20.2	-
Zero years / no Social Science courses reported	197	1	20.5	-	84	1	20.0	-	113	1	20.8	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	7,439	40	23.1	5.6	3,767	47	23.8	6.3	3,672	34	22.3	4.7
Bio, Chem, Phys	468	2	25.5	8.0	218	3	26.3	8.8	250	2	24.8	7.2
Gen Sci ² , Bio, Chem	8,523	45	20.7	3.2	2,994	37	20.9	3.4	5,529	51	20.5	2.9
Other comb of 3 years of Natural Science	625	3	18.4	0.9	307	4	18.7	1.2	318	3	18.1	0.5
Less than 3 years of Natural Science	1,567	8	17.5	-	704	9	17.5	-	863	8	17.6	-
Zero years / no Natural Science courses reported	195	1	19.7	-	84	1	19.7	-	111	1	19.7	-

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: 18,817

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	3,874	21	22.3	76	380,162	23	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	14,564	77	20.7	68	1,178,400	71	20.5	67
Less than 4 years of English	186	1	20.0	58	64,748	4	16.5	41
Zero years / no English courses reported	193	1	18.9	53	42,707	3	16.5	40
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	680	4	26.0	85	108,668	7	24.0	69
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,392	7	22.3	62	151,050	9	22.0	58
Alg 1, Alg 2, Geom, & Trig	414	2	20.0	38	115,739	7	19.6	34
Alg 1, Alg 2, Geom, & Other Adv Math	6,258	33	19.8	36	279,658	17	19.9	36
Other comb of 4 or more years of Math	8,115	43	24.6	73	585,086	35	23.6	66
Alg 1, Alg 2, & Geom	632	3	17.9	18	228,058	14	17.3	12
Other comb of 3 or 3.5 years of Math	859	5	22.1	55	82,509	5	19.9	35
Less than 3 years of Math	270	1	16.9	11	69,741	4	16.6	8
Zero years / no Math courses reported	197	1	20.5	44	45,508	3	18.2	22
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	903	5	23.0	64	47,179	3	22.3	59
Other comb of 4 or more years Social Science	9,106	48	23.4	67	887,744	53	21.9	56
US Hist, World Hist, & Am Gov	2,159	11	19.8	42	84,563	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	5,279	28	21.5	53	452,172	27	21.2	51
Less than 3 years of Social Science	1,173	6	20.0	43	149,266	9	19.7	40
Zero years / no Social Science courses reported	197	1	20.5	49	45,093	3	17.8	29
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	7,439	40	23.1	48	740,499	44	21.9	39
Bio, Chem, Phys	468	2	25.5	67	171,734	10	23.0	47
Gen Sci ¹ , Bio, Chem	8,523	45	20.7	27	466,992	28	20.0	22
Other comb of 3 years of Natural Science	625	3	18.4	15	45,992	3	19.5	20
Less than 3 years of Natural Science	1,567	8	17.5	9	194,661	12	18.4	13
Zero years / no Natural Science courses reported	195	1	19.7	20	46,139	3	17.9	14

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: 18,817

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	244	1	20.9	11	4	16.7	218	1	21.2
Architecture	209	1	21.9	1	0	18.0	185	1	22.0
Area, Ethnic, & Multidisciplinary Studies	36	0	24.0	0	0	.	33	0	23.4
Arts: Visual & Performing	1,019	5	21.1	23	9	18.0	891	5	21.2
Business	1,884	10	21.0	36	14	17.3	1,644	10	21.1
Communications	485	3	21.6	3	1	15.3	436	3	21.7
Community, Family, & Personal Services	288	2	18.6	10	4	15.0	255	2	18.9
Computer Science & Mathematics	449	2	22.9	5	2	16.0	408	2	23.2
Education	972	5	20.6	6	2	16.8	889	5	20.7
Engineering	1,450	8	24.1	11	4	15.3	1,332	8	24.2
Engineering Technology & Drafting	193	1	20.3	4	2	14.0	169	1	20.5
English & Foreign Languages	207	1	24.4	1	0	15.0	191	1	24.4
Health Administration & Assisting	457	2	18.1	17	7	16.3	394	2	18.3
Health Sciences & Technologies	4,005	21	21.3	55	22	17.9	3,655	22	21.4
Philosophy, Religion, & Theology	121	1	22.0	0	0	.	106	1	21.8
Repair, Production, & Construction	42	0	17.7	10	4	16.9	32	0	18.0
Sciences: Biological & Physical	1,791	10	24.0	6	2	17.7	1,644	10	24.0
Social Sciences & Law	1,707	9	21.9	7	3	17.9	1,568	10	22.0
Undecided	2,930	16	22.4	43	17	16.8	2,295	14	22.5
No Response	328	2	21.4	0	0	.	116	1	20.2

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: 18,817

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	54	17.4	19	16.1	0	.	24	18.8	6	17.8
2-yr College Degree	195	16.9	47	15.0	2	17.5	116	17.7	18	17.1
Bachelors Degree	7,676	20.1	1,871	16.1	70	17.3	4,709	21.8	448	19.3
Graduate Study	4,051	23.3	612	18.3	31	20.9	2,797	24.4	222	22.2
Prof. Level Degree	4,734	23.8	1,020	19.0	46	21.1	2,621	25.5	352	22.5
Other	149	19.5	37	15.0	1	17.0	75	21.8	18	18.1
No Response	1,958	21.7	501	16.4	14	21.1	1,081	23.9	104	20.3

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	54	17.4	1	15.0	0	.	2	16.0	2	14.5
2-yr College Degree	195	16.9	2	14.0	1	20.0	3	17.7	6	15.3
Bachelors Degree	7,676	20.1	130	21.4	8	22.0	228	19.8	212	20.7
Graduate Study	4,051	23.3	116	25.6	7	21.1	111	22.7	155	24.7
Prof. Level Degree	4,734	23.8	292	26.1	6	21.7	196	23.0	201	25.3
Other	149	19.5	6	22.5	0	.	9	18.7	3	23.7
No Response	1,958	21.7	95	24.8	2	18.0	58	21.9	103	23.2

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

Total Students in Report: 18,817

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
NORTH CAROLINA STATE UNIV AT RALEIGH	North Carolina	3,115	1,041	2,074	1	4	15	32	30	17	2
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	2,734	1,088	1,646	0	2	10	24	32	27	4
EAST CAROLINA UNIVERSITY	North Carolina	2,557	890	1,667	2	11	32	35	16	4	0
UNIV OF NORTH CAROLINA AT WILMINGTON	North Carolina	2,131	528	1,603	1	4	20	40	27	8	0
APPALACHIAN STATE UNIVERSITY	North Carolina	2,107	705	1,402	1	5	20	38	27	10	1
UNIV OF NORTH CAROLINA AT CHARLOTTE	North Carolina	2,008	476	1,532	2	9	27	35	19	6	0
UNIV OF NORTH CAROLINA AT GREENSBORO	North Carolina	1,247	265	982	4	15	33	31	13	5	0
WESTERN CAROLINA UNIVERSITY	North Carolina	965	243	722	1	8	37	32	18	4	0
DUKE UNIVERSITY	North Carolina	703	233	470	1	3	9	17	25	37	9
NORTH CAROLINA CENTRAL UNIVERSITY	North Carolina	682	193	489	10	33	42	11	3	1	0
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	663	170	493	0	1	9	27	40	21	1
WINSTON-SALEM STATE UNIVERSITY	North Carolina	658	176	482	10	38	40	11	1	0	0
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	584	145	439	8	30	43	15	4	1	0
CLEMSON UNIVERSITY	South Carolina	562	130	432	1	3	7	20	36	30	3
WAKE FOREST UNIVERSITY	North Carolina	559	90	469	2	4	11	23	32	24	3
CAMPBELL UNIVERSITY	North Carolina	521	158	363	2	11	26	36	19	5	0
NCAA ELIGIBILITY CENTER	Indiana	487	269	218	4	16	29	26	15	9	1
ELON UNIVERSITY	North Carolina	460	113	347	2	4	12	27	33	20	2
UNIV OF NORTH CAROLINA AT PEMBROKE	North Carolina	432	118	314	6	25	43	17	7	2	0
HIGH POINT UNIVERSITY	North Carolina	355	98	257	3	8	20	33	25	11	1
UNIV OF NORTH CAROLINA AT ASHEVILLE	North Carolina	354	83	271	1	4	21	31	31	10	1
FAYETTEVILLE STATE UNIVERSITY	North Carolina	339	99	240	15	33	42	9	1	0	0
WINGATE UNIVERSITY	North Carolina	328	67	261	2	11	27	35	18	6	0
VIRGINIA TECH	Virginia	324	48	276	1	2	5	17	36	33	6
DAVIDSON COLLEGE	North Carolina	240	68	172	0	3	5	15	29	40	7
LENOIR-RHYNE UNIVERSITY	North Carolina	238	48	190	2	14	33	29	16	5	0
GARDNER-WEBB UNIVERSITY	North Carolina	235	65	170	2	13	33	32	15	3	1
LIBERTY UNIVERSITY	Virginia	221	110	111	0	7	23	31	24	13	2
COLLEGE OF CHARLESTON	South Carolina	212	46	166	0	1	7	31	42	17	2
ELIZABETH CITY ST UNIVERSITY	North Carolina	204	59	145	14	35	39	10	1	0	0
All Other Institutions		10,759	3,042	7,717	3	11	22	23	21	17	4
Total		36,984	10,864	26,120	2	10	23	27	22	14	2

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: 18,817

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	15,890	931,148	21.4	21.5	7.0	7.1	20.6	20.7
Black/African American	3,291	113,247	15.8	16.6	6.2	6.2	15.8	16.4
American Indian/Alaska Native	143	5,233	17.6	17.8	6.7	6.5	17.5	17.5
White	9,745	518,974	23.3	23.2	7.2	7.2	22.2	22.1
Hispanic/Latino	1,000	150,249	19.9	18.5	6.9	6.8	19.5	18.3
Asian	599	53,381	23.9	23.7	7.5	7.6	22.9	22.8
Native Hawaiian/Other Pac. Isl.	22	2,851	20.5	19.9	7.5	7.1	20.4	19.6
Two or more races	500	32,346	21.0	21.9	7.0	7.1	20.3	21.1
Prefer not/No Response	590	54,867	23.3	21.8	7.2	7.1	22.1	21.0
Males	6,643	413,617	21.1	21.2	6.8	6.8	20.2	20.3
Females	9,247	515,745	21.6	21.7	7.2	7.2	20.9	21.1
Missing	0	1,786	.	16.8	.	6.3	.	16.6

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

