

ACT Profile Report - State

Graduating Class 2011
North Carolina



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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

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: 16,736 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 2% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 3% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 19% of these students were college ready. In comparison, 59% 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 9% of the cohort took less than three years of natural science courses. 8% of these students were college ready. In comparison, 36% 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 34% 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.

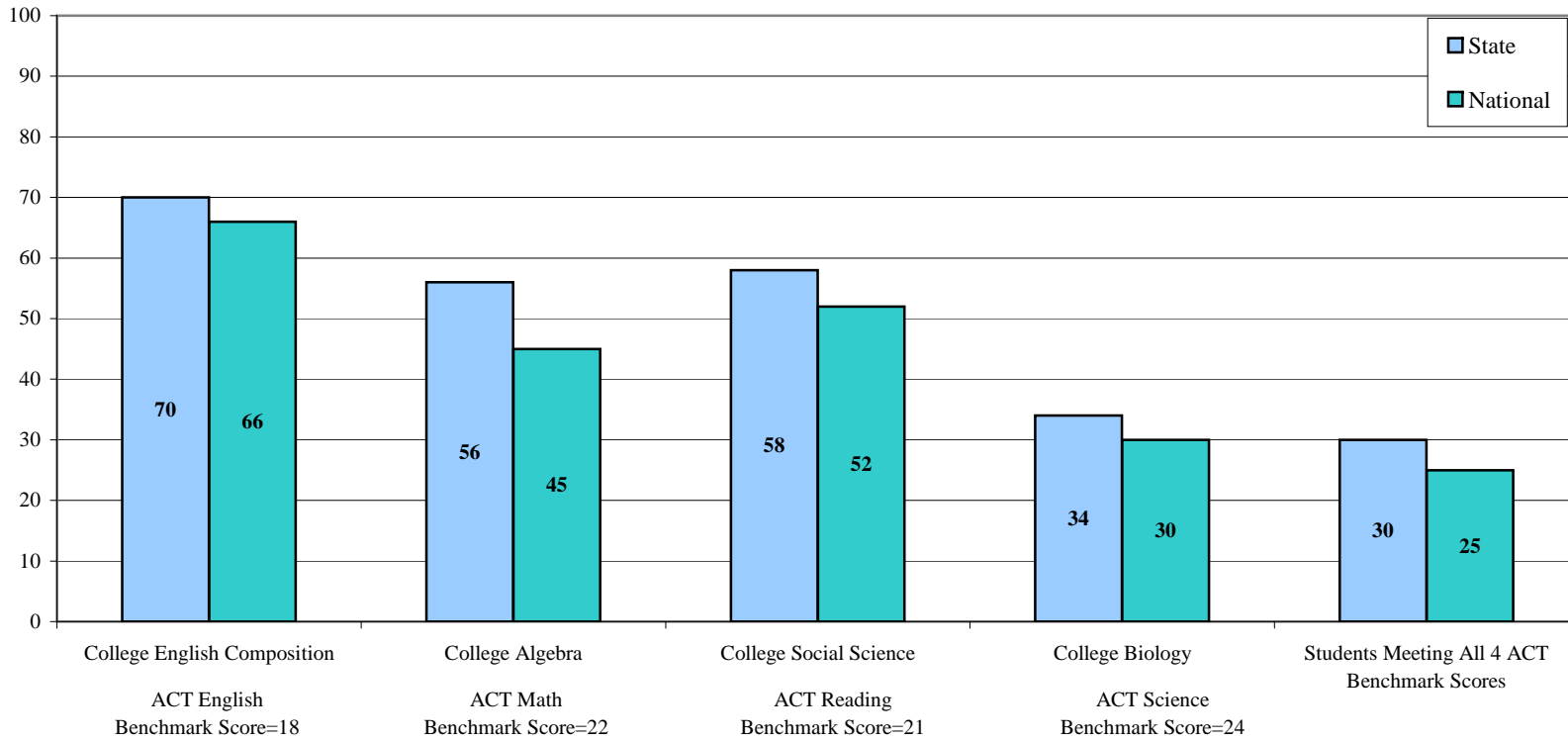
Section I

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: 16,736

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: 16,736

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	12,202	1,300,599	66	69	46	43	52	53	28	28	23	23
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

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	12,202	1,300,599	20.2	20.7	21.4	21.0	21.4	21.5	20.7	21.0	21.0	21.2
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

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: 16,736

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	6,721	3,666	55	30	21.1	18.1	22.1	19.7	22.2	19.6	21.5	19.2	21.8	19.3
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

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.

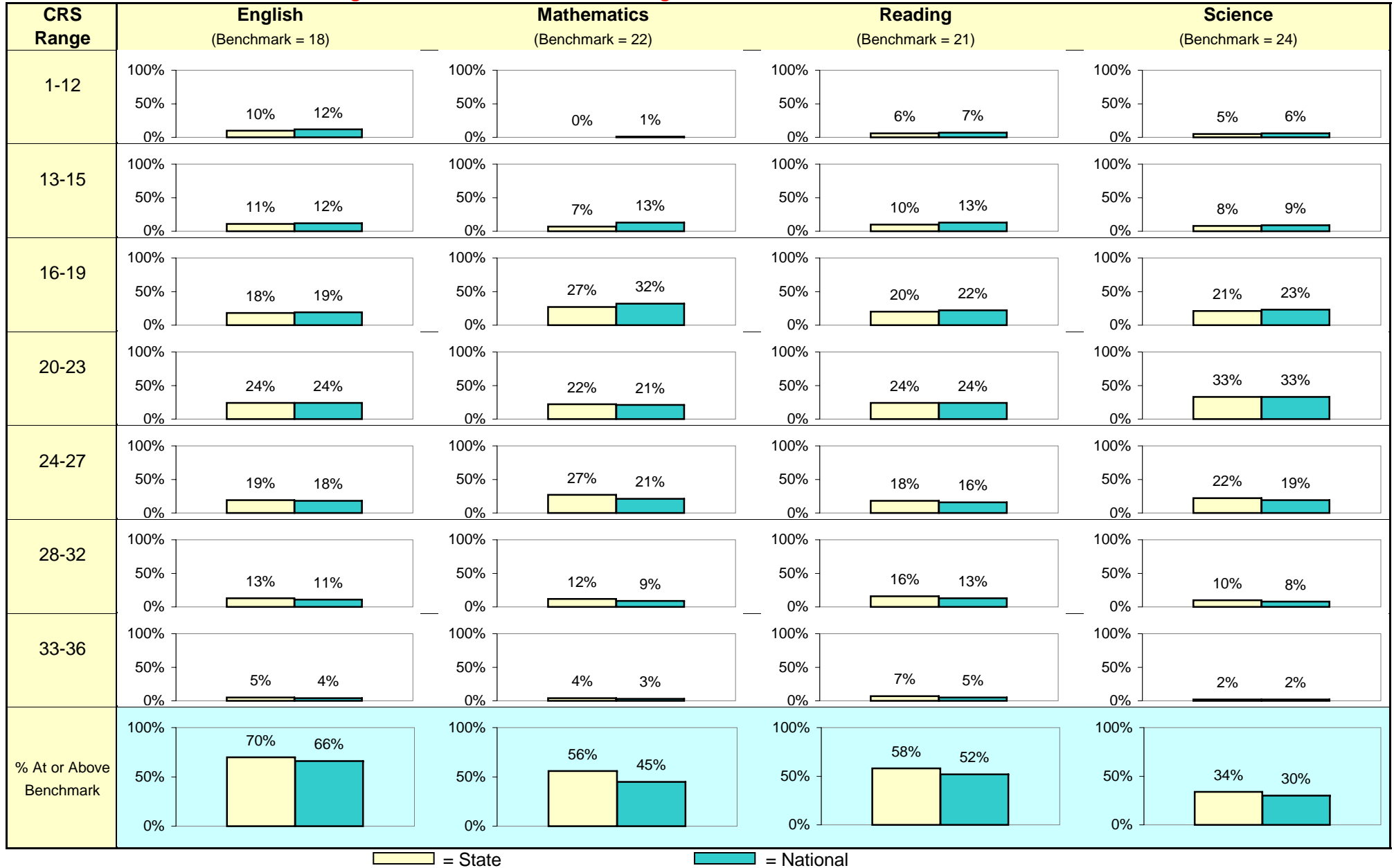
Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2007			2008			2009			2010			2011		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	12,202	100	21.0	13,054	100	21.3	13,347	100	21.6	14,673	100	21.9	16,736	100	21.9
Black/African American	2,759	23	16.9	2,934	22	17.0	2,946	22	17.1	3,099	21	17.4	3,606	22	17.4
American Indian/Alaska Native	110	1	18.8	118	1	20.2	117	1	19.8	149	1	19.3	138	1	18.6
White	6,864	56	22.4	8,013	61	22.6	8,571	64	23.0	9,377	64	23.4	10,435	62	23.5
Hispanic/Latino	313	3	20.2	369	3	20.7	432	3	20.9	596	4	20.3	819	5	20.8
Asian	285	2	22.7	349	3	24.5	374	3	24.7	490	3	24.3	594	4	24.6
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	5	0	19.4
Two or more races	202	2	21.0	247	2	20.9	308	2	21.4	394	3	21.5	478	3	21.1
Prefer not to respond/No response	1,669	14	22.4	1,024	8	22.9	599	4	22.9	568	4	22.8	661	4	23.2

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

Total Students in Report: 16,736

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: 16,736

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	51	100	73	100	175	100	63	100	6	100	36
35	253	100	147	100	198	99	81	100	54	100	35
34	243	98	280	99	398	98	57	99	124	100	34
33	270	97	223	97	447	95	182	99	203	99	33
32	346	95	298	96	503	93	156	98	266	98	32
31	432	93	255	94	489	90	181	97	367	96	31
30	353	90	322	92	575	87	349	96	488	94	30
29	427	88	458	90	435	83	348	94	533	91	29
28	552	86	699	88	596	81	588	92	693	88	28
27	667	83	886	84	556	77	530	88	770	84	27
26	651	79	1,101	78	584	74	813	85	865	79	26
25	799	75	1,199	72	764	70	910	80	975	74	25
24	1,135	70	1,266	65	1,044	66	1,355	75	1,055	68	24
23	780	63	1,247	57	841	60	1,487	66	1,171	62	23
22	1,075	58	966	49	1,116	55	1,068	58	1,178	55	22
21	1,177	52	627	44	1,013	48	1,505	51	1,183	48	21
20	1,040	45	885	40	1,030	42	1,446	42	1,035	41	20
19	794	39	900	35	852	36	1,062	34	1,050	34	19
18	632	34	1,079	29	899	31	1,091	27	1,016	28	18
17	693	30	1,180	23	860	25	756	21	861	22	17
16	834	26	1,418	16	691	20	582	16	784	17	16
15	768	21	790	7	580	16	591	13	725	12	15
14	643	17	288	3	750	12	394	9	542	8	14
13	407	13	108	1	417	8	343	7	396	5	13
12	361	10	24	1	421	6	250	5	197	2	12
11	415	8	10	1	264	3	198	3	127	1	11
10	342	6	3	1	122	1	191	2	45	1	10
9	270	4	1	1	52	1	84	1	17	1	9
8	174	2	1	1	26	1	36	1	10	1	8
7	100	1	0	1	11	1	15	1	0	1	7
6	36	1	2	1	11	1	14	1	0	1	6
5	11	1	0	1	9	1	2	1	0	1	5
4	4	1	0	1	2	1	2	1	0	1	4
3	1	1	0	1	0	1	4	1	0	1	3
2	0	1	0	1	2	1	0	1	0	1	2
1	0	1	0	1	3	1	2	1	0	1	1
Avg (SD)	21.2 (6.5)		22.4 (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: 16,736

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	716	100	280	100	660	100	623	100	1,064	100	298	100	359	100	18
17	1,019	96	34	98	844	96	1,476	96	942	94	209	98	33	98	17
16	776	90	1,180	98	1,233	91	1,308	87	824	88	622	97	587	98	16
15	1,160	85	1,335	91	925	84	1,384	80	1,387	83	776	93	1,251	94	15
14	863	78	1,132	83	934	78	917	71	1,525	75	1,740	89	1,745	87	14
13	1,125	73	1,457	76	1,174	73	1,359	66	1,959	66	2,416	78	1,673	76	13
12	1,075	66	1,787	68	1,986	66	1,269	58	1,224	54	1,799	64	2,003	66	12
11	1,660	60	1,965	57	1,412	54	1,671	50	1,973	47	2,627	53	1,865	54	11
10	1,935	50	1,530	45	1,509	45	1,271	40	1,166	35	1,987	37	2,248	43	10
9	1,323	38	1,895	36	1,719	36	1,342	33	1,247	28	1,999	25	1,793	30	9
8	1,141	30	1,177	25	1,352	26	1,093	25	1,517	20	1,062	14	1,334	19	8
7	1,145	24	1,008	18	1,351	18	901	18	1,324	11	467	7	699	11	7
6	1,039	17	622	12	679	10	1,061	13	403	3	276	4	474	7	6
5	694	11	528	8	449	6	674	6	102	1	231	3	241	4	5
4	538	6	458	5	278	3	228	2	56	1	85	1	252	3	4
3	350	3	275	2	141	1	112	1	18	1	70	1	53	1	3
2	158	1	66	1	55	1	41	1	4	1	27	1	98	1	2
1	19	1	7	1	35	1	6	1	1	1	45	1	28	1	1
Avg (SD)	10.7 (4.0)		10.8 (3.5)		11.1 (3.7)		11.5 (3.9)		11.9 (3.4)		11.3 (2.8)		11.1 (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)	26	26	27	25	26
Q2 (50th Percentile)	21	23	22	21	22
Q1 (25th Percentile)	16	18	17	18	18

Total Students in Report: 16,736

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	16,736	82	22.5	18.8
	Black/African American	3,606	70	18.1	15.7
	American Indian/Alaska Native	138	74	19.4	16.2
	White	10,435	87	23.8	21.3
	Hispanic/Latino	819	83	21.3	18.1
	Asian	594	87	25.0	22.1
	Native Hawaiian/Other Pac. Isl.	5	80	21.3	12.0
	Two or more races	478	80	21.6	18.8
	Prefer not/No Response	661	78	23.7	19.4
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	21.2	22.4	22.2	21.4	21.9
	Black/African American	15.8	18.4	17.5	17.5	17.4
	American Indian/Alaska Native	16.9	19.0	19.3	18.5	18.6
	White	23.0	23.7	23.8	22.8	23.5
	Hispanic/Latino	19.6	21.3	21.3	20.4	20.8
	Asian	23.4	26.4	24.1	24.0	24.6
	Native Hawaiian/Other Pac. Isl.	17.2	21.2	19.0	19.6	19.4
	Two or more races	20.3	21.4	21.4	20.8	21.1
	Prefer not/No Response	22.9	23.3	23.7	22.2	23.2
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: 16,736

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	817	5	723	4	1,218	7	383	2
	28 to 32	2,110	13	2,032	12	2,598	16	1,622	10
	24 to 27	3,252	19	4,452	27	2,948	18	3,608	22
	20 to 23	4,072	24	3,725	22	4,000	24	5,506	33
	16 to 19	2,953	18	4,577	27	3,302	20	3,491	21
	13 to 15	1,818	11	1,186	7	1,747	10	1,328	8
	01 to 12	1,714	10	41	0	923	6	798	5
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	7,103	42	20.7	23.0	21.9	21.9	22.0
	Females	9,621	57	21.5	22.0	22.5	21.1	21.9
	Missing	12	0	25.7	26.7	25.5	24.2	25.6
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	66	60	56	38	34
	Females	72	54	60	30	27
National	Males	64	49	51	34	28
	Females	69	41	53	26	22

Total Students in Report: 16,736

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	13,768	75	21.9	61	23.0	62	22.8	37	22.0	33	22.5
	Less than Core	2,600	45	17.4	29	19.4	37	19.0	15	18.7	13	18.8
	Missing ³	368	65	21.0	55	22.2	55	22.1	33	21.3	30	21.8
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	16,228	70	21.2	16,020	57	22.6	15,345	59	22.4	14,814	36	21.8
	Less than Core	153	58	19.2	354	7	16.3	1,032	43	20.1	1,564	8	17.6
	Missing ³	355	66	21.2	362	55	22.3	359	55	22.2	358	34	21.5
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.

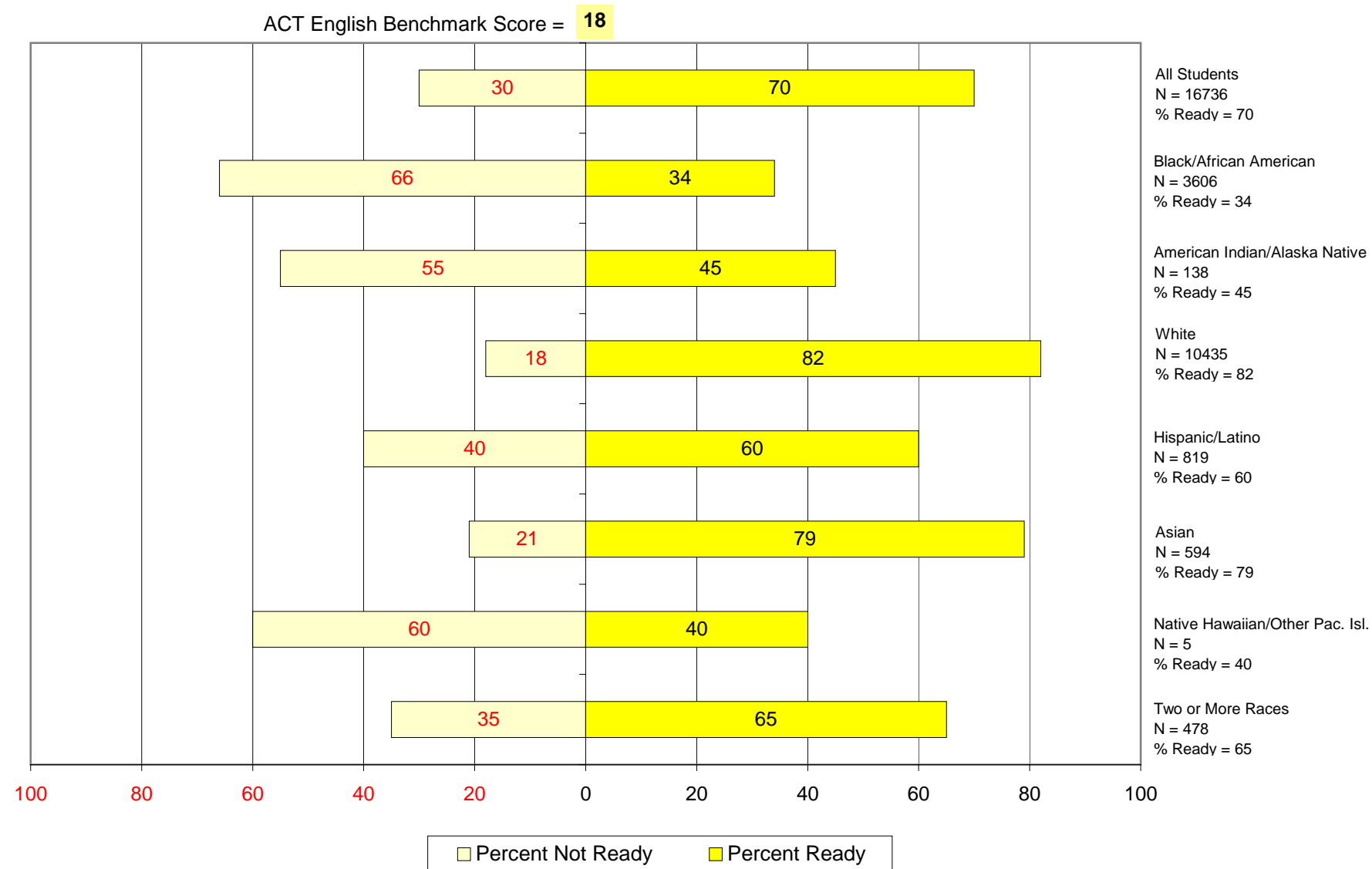
Section III

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.

Total Students in Report: 16,736

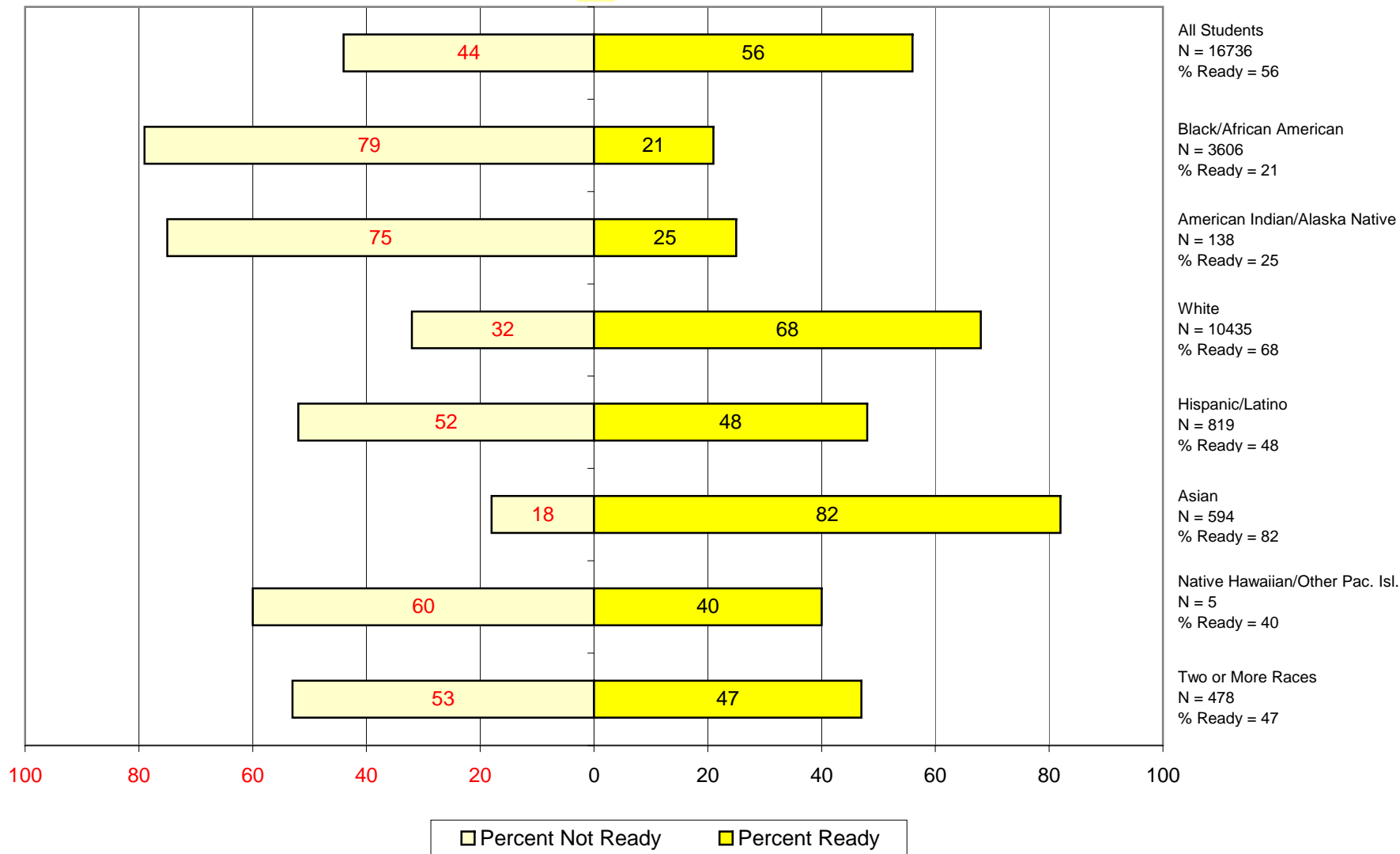
Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ENGLISH



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

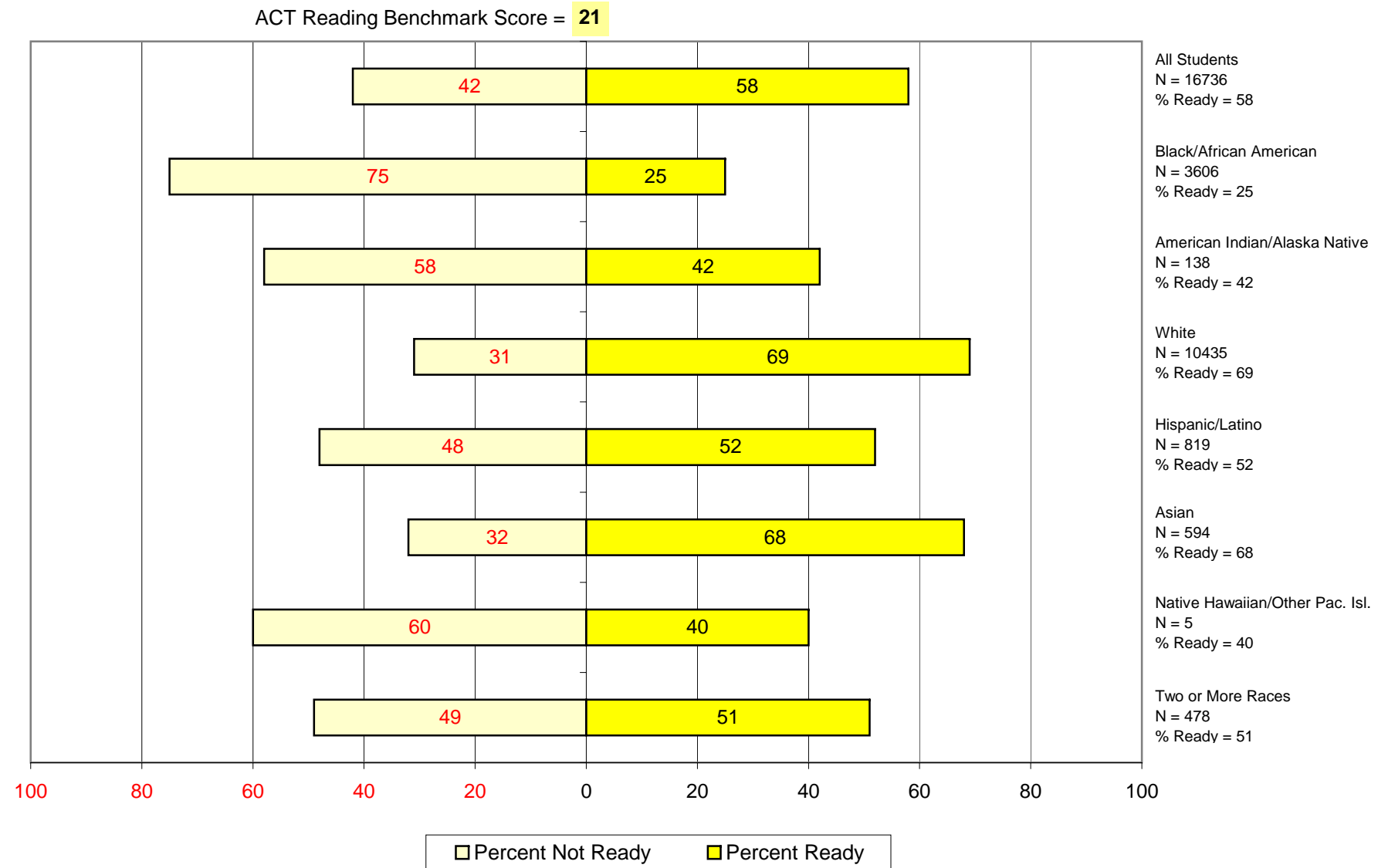
Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: MATHEMATICS

ACT Mathematics Benchmark Score = **22**



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

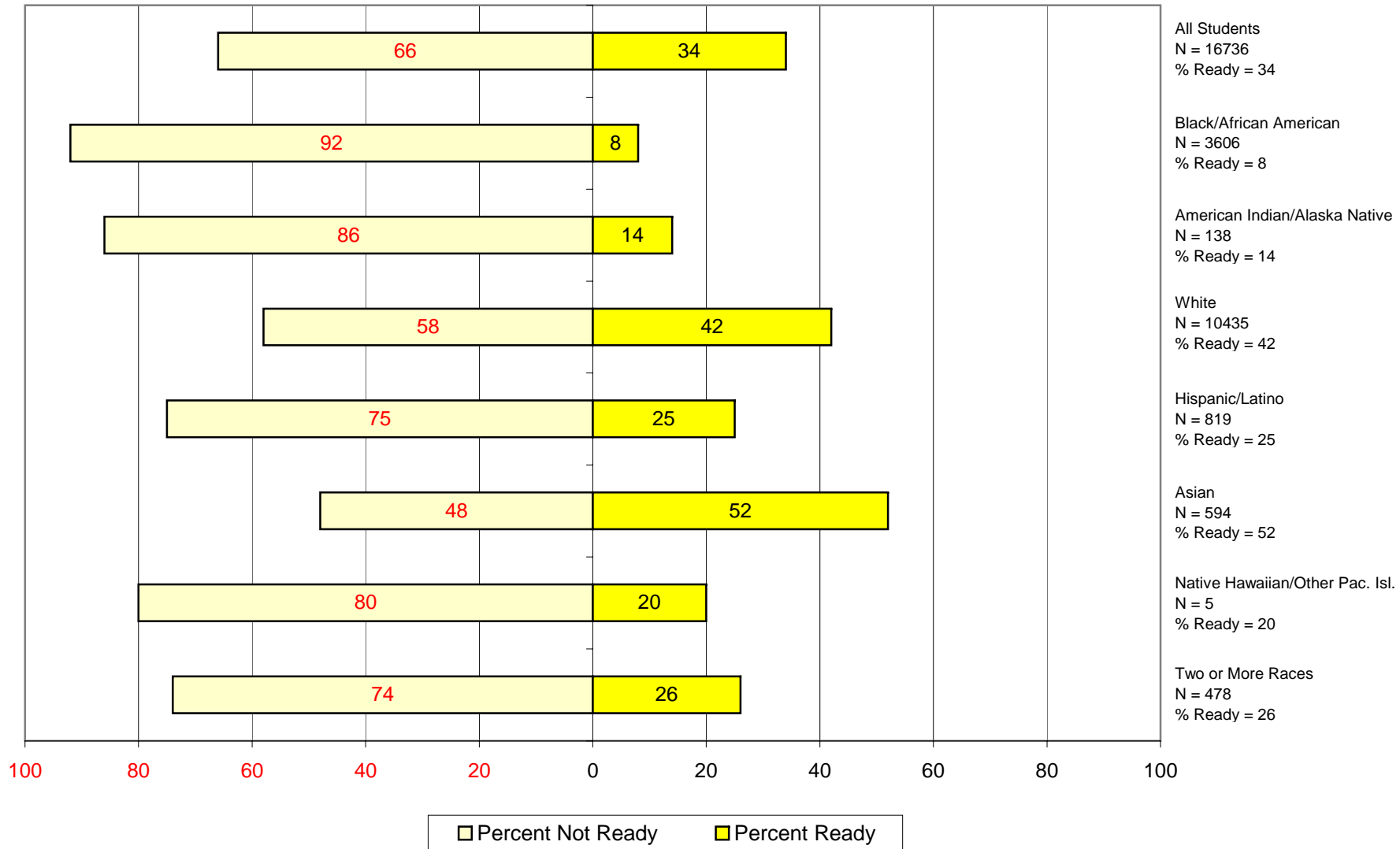
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: READING



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

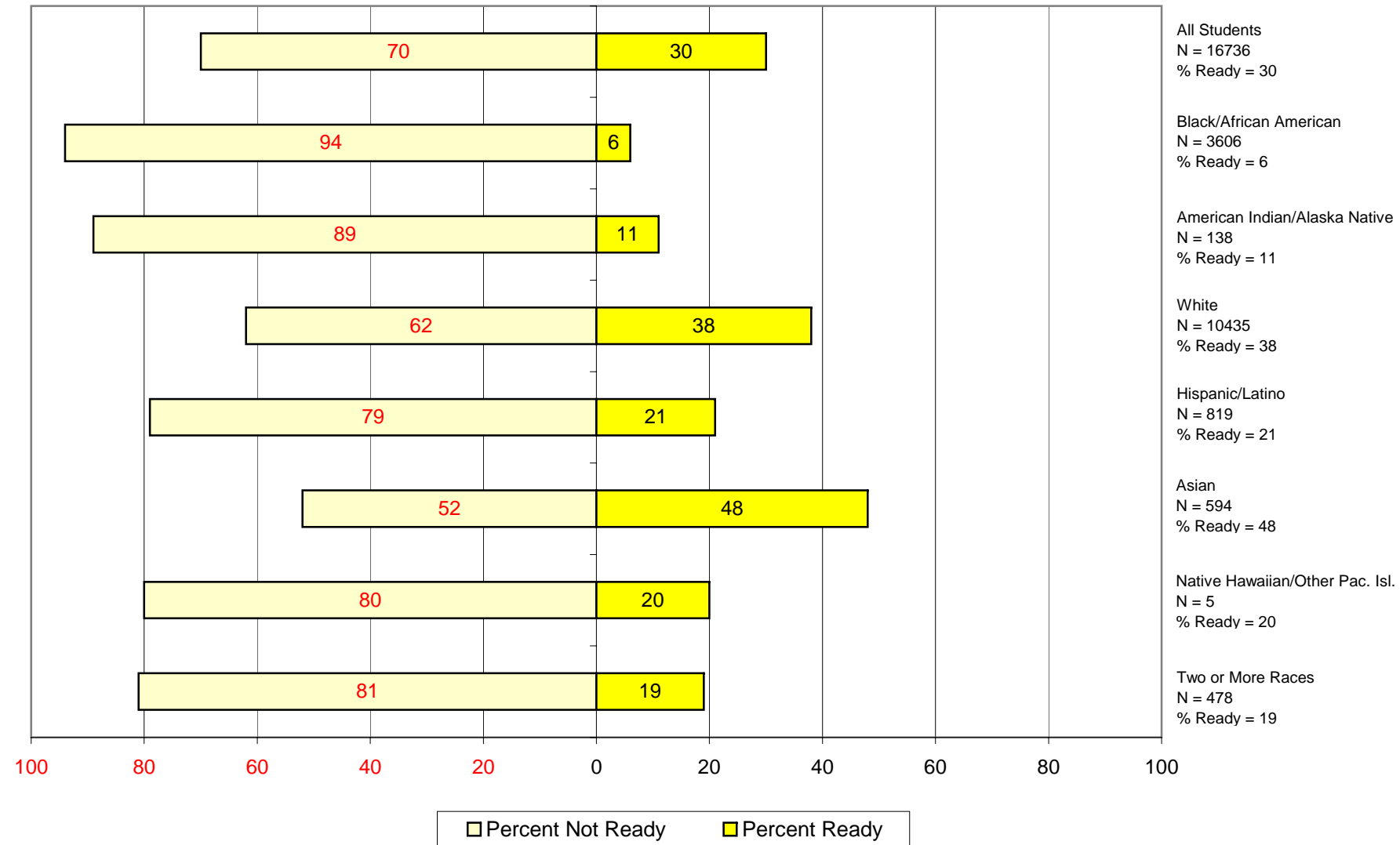
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: SCIENCE

ACT Science Benchmark Score = **24**



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

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: 16,736

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	3,304	20	22.5	3.3	1,316	19	22.0	3.0	1,988	21	22.9	3.4
Eng 9, Eng 10, Eng 11, Eng 12	12,924	77	20.9	1.7	5,552	78	20.5	1.5	7,371	77	21.2	1.7
Less than 4 years of English	153	1	19.2	-	69	1	19.0	-	84	1	19.5	-
Zero years / no English courses reported	355	2	21.2	-	166	2	21.4	-	178	2	20.7	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	619	4	25.9	9.6	286	4	26.4	10.3	333	3	25.4	9.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,295	8	22.5	6.2	502	7	23.0	6.9	793	8	22.3	5.9
Alg 1, Alg 2, Geom, & Trig	350	2	19.9	3.6	143	2	20.1	4.0	207	2	19.7	3.3
Alg 1, Alg 2, Geom, & Other Adv Math	5,458	33	20.1	3.8	1,966	28	20.2	4.1	3,492	36	20.0	3.6
Other comb of 4 or more years of Math	7,039	42	24.7	8.4	3,303	47	25.3	9.2	3,736	39	24.2	7.8
Alg 1, Alg 2, & Geom	558	3	18.1	1.8	246	3	18.0	1.9	312	3	18.2	1.8
Other comb of 3 or 3.5 years of Math	701	4	22.3	6.0	317	4	22.2	6.1	384	4	22.3	5.9
Less than 3 years of Math	354	2	16.3	-	170	2	16.1	-	183	2	16.4	-
Zero years / no Math courses reported	362	2	22.3	-	170	2	23.1	-	181	2	21.2	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	792	5	23.0	2.9	414	6	22.5	3.0	378	4	23.5	3.0
Other comb of 4 or more years Social Science	7,969	48	23.6	3.5	3,324	47	23.2	3.7	4,645	48	23.8	3.3
US Hist, World Hist, & Am Gov	1,982	12	19.8	-0.3	912	13	19.4	-0.1	1,069	11	20.0	-0.5
Other comb of 3 or 3.5 years of Social Science	4,602	27	21.4	1.3	1,832	26	21.0	1.5	2,770	29	21.6	1.1
Less than 3 years of Social Science	1,032	6	20.1	-	454	6	19.5	-	578	6	20.5	-
Zero years / no Social Science courses reported	359	2	22.2	-	167	2	22.6	-	181	2	21.6	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	6,307	38	23.2	5.6	3,156	44	23.7	6.3	3,151	33	22.7	5.0
Bio, Chem, Phys	405	2	25.5	7.9	184	3	26.2	8.8	221	2	24.8	7.1
Gen Sci ² , Bio, Chem	7,500	45	20.8	3.2	2,610	37	20.9	3.5	4,890	51	20.8	3.1
Other comb of 3 years of Natural Science	602	4	18.2	0.6	293	4	18.5	1.1	309	3	17.9	0.2
Less than 3 years of Natural Science	1,564	9	17.6	-	693	10	17.4	-	870	9	17.7	-
Zero years / no Natural Science courses reported	358	2	21.5	-	167	2	22.4	-	180	2	20.4	-

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: 16,736

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	3,304	20	22.5	78	366,770	23	21.8	74
Eng 9, Eng 10, Eng 11, Eng 12	12,924	77	20.9	68	1,143,409	70	20.6	66
Less than 4 years of English	153	1	19.2	58	66,225	4	16.6	40
Zero years / no English courses reported	355	2	21.2	66	46,708	3	16.5	39
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	619	4	25.9	85	102,806	6	24.2	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,295	8	22.5	64	147,655	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	350	2	19.9	37	115,939	7	19.7	34
Alg 1, Alg 2, Geom, & Other Adv Math	5,458	33	20.1	37	271,304	17	19.9	36
Other comb of 4 or more years of Math	7,039	42	24.7	74	539,241	33	23.8	66
Alg 1, Alg 2, & Geom	558	3	18.1	19	238,527	15	17.3	12
Other comb of 3 or 3.5 years of Math	701	4	22.3	56	78,953	5	19.9	35
Less than 3 years of Math	354	2	16.3	7	79,145	5	16.4	8
Zero years / no Math courses reported	362	2	22.3	55	49,542	3	18.1	21
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	792	5	23.0	63	47,284	3	22.5	59
Other comb of 4 or more years Social Science	7,969	48	23.6	68	845,170	52	21.9	56
US Hist, World Hist, & Am Gov	1,982	12	19.8	41	86,167	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	4,602	27	21.4	52	445,631	27	21.1	51
Less than 3 years of Social Science	1,032	6	20.1	43	149,746	9	19.7	40
Zero years / no Social Science courses reported	359	2	22.2	55	49,114	3	17.9	28
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	6,307	38	23.2	48	686,167	42	22.1	39
Bio, Chem, Phys	405	2	25.5	66	160,020	10	23.1	46
Gen Sci ¹ , Bio, Chem	7,500	45	20.8	27	476,294	29	20.1	21
Other comb of 3 years of Natural Science	602	4	18.2	13	45,296	3	19.6	20
Less than 3 years of Natural Science	1,564	9	17.6	8	205,148	13	18.3	12
Zero years / no Natural Science courses reported	358	2	21.5	34	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: 16,736

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	172	1	20.3	6	3	18.0	154	1	20.4
Architecture	211	1	22.1	3	1	15.0	197	1	22.2
Area, Ethnic, & Multidisciplinary Studies	48	0	24.4	0	0	.	42	0	24.4
Arts: Visual & Performing	904	5	21.5	15	7	17.5	821	6	21.7
Business	1,744	10	21.2	29	13	17.7	1,583	11	21.2
Communications	494	3	21.7	3	1	15.0	457	3	21.7
Community, Family, & Personal Services	282	2	19.2	15	7	16.7	254	2	19.3
Computer Science & Mathematics	353	2	22.4	5	2	16.8	321	2	22.6
Education	1,060	6	20.4	11	5	17.2	996	7	20.5
Engineering	982	6	23.9	9	4	16.0	905	6	24.0
Engineering Technology & Drafting	349	2	21.9	5	2	15.8	315	2	22.0
English & Foreign Languages	213	1	25.0	0	0	.	193	1	25.0
Health Administration & Assisting	319	2	18.5	15	7	16.7	282	2	18.5
Health Sciences & Technologies	3,483	21	21.3	60	26	17.8	3,200	22	21.4
Philosophy, Religion, & Theology	118	1	21.6	2	1	18.5	110	1	21.5
Repair, Production, & Construction	39	0	18.8	12	5	17.1	26	0	19.7
Sciences: Biological & Physical	1,647	10	24.1	2	1	20.5	1,541	10	24.2
Social Sciences & Law	1,414	8	22.1	6	3	17.5	1,295	9	22.2
Undecided	2,479	15	22.5	27	12	17.9	2,011	14	22.6
No Response	425	3	21.4	2	1	18.0	142	1	20.9

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: 16,736

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	35	16.3	12	13.4	1	12.0	19	18.6	1	14.0
2-yr College Degree	192	17.6	58	15.4	3	14.0	112	18.7	14	17.3
Bachelors Degree	6,726	20.1	1,587	16.1	60	17.6	4,271	21.7	306	19.1
Graduate Study	3,623	23.3	531	18.4	29	19.6	2,595	24.4	148	22.3
Prof. Level Degree	4,496	23.8	1,040	19.4	38	20.0	2,517	25.6	270	22.4
Other	136	18.8	42	14.6	2	17.5	71	21.2	9	17.3
No Response	1,528	22.1	336	16.3	5	18.8	850	24.1	71	20.2

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	35	16.3	1	11.0	0	.	0	.	1	18.0
2-yr College Degree	192	17.6	0	.	0	.	2	18.0	3	21.0
Bachelors Degree	6,726	20.1	125	21.5	2	15.5	189	19.3	186	20.3
Graduate Study	3,623	23.3	90	24.6	2	27.0	107	22.6	121	24.2
Prof. Level Degree	4,496	23.8	287	26.2	0	.	145	22.4	199	25.0
Other	136	18.8	4	19.8	0	.	2	18.5	6	21.0
No Response	1,528	22.1	87	24.3	1	12.0	33	21.0	145	23.7

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

Total Students in Report: 16,736

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	2,975	937	2,038	1	4	15	31	30	17	2
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	2,586	964	1,622	1	2	9	23	32	29	4
EAST CAROLINA UNIVERSITY	North Carolina	2,445	891	1,554	2	10	34	35	15	4	0
APPALACHIAN STATE UNIVERSITY	North Carolina	1,967	628	1,339	1	5	20	37	27	10	1
UNIV OF NORTH CAROLINA AT WILMINGTON	North Carolina	1,864	463	1,401	0	4	21	41	25	9	0
UNIV OF NORTH CAROLINA AT CHARLOTTE	North Carolina	1,630	317	1,313	2	10	29	33	19	6	0
UNIV OF NORTH CAROLINA AT GREENSBORO	North Carolina	1,194	249	945	2	13	34	33	14	4	0
WESTERN CAROLINA UNIVERSITY	North Carolina	881	235	646	1	9	36	36	14	4	0
DUKE UNIVERSITY	North Carolina	684	241	443	1	3	8	17	26	38	7
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	603	184	419	9	32	37	17	3	0	0
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	592	148	444	0	1	7	27	41	22	1
WAKE FOREST UNIVERSITY	North Carolina	568	83	485	1	5	11	22	29	28	5
NORTH CAROLINA CENTRAL UNIVERSITY	North Carolina	558	161	397	9	34	40	15	2	0	0
CLEMSON UNIVERSITY	South Carolina	507	134	373	1	1	7	21	35	32	2
ELON UNIVERSITY	North Carolina	482	121	361	0	4	11	26	31	24	2
NCAA ELIGIBILITY CENTER	Indiana	480	228	252	3	17	30	25	18	7	1
CAMPBELL UNIVERSITY	North Carolina	479	169	310	1	8	26	32	23	9	1
WINSTON-SALEM STATE UNIVERSITY	North Carolina	476	138	338	11	34	43	11	1	0	0
UNIV OF NORTH CAROLINA AT PEMBROKE	North Carolina	447	110	337	7	23	43	20	6	1	0
UNIV OF NORTH CAROLINA AT ASHEVILLE	North Carolina	343	71	272	1	5	21	30	29	13	1
HIGH POINT UNIVERSITY	North Carolina	287	98	189	2	10	16	38	24	10	0
VIRGINIA TECH	Virginia	277	48	229	0	3	10	18	35	29	4
FAYETTEVILLE STATE UNIVERSITY	North Carolina	253	61	192	13	38	35	9	5	0	0
WINGATE UNIVERSITY	North Carolina	253	51	202	2	10	29	36	16	7	0
LIBERTY UNIVERSITY	Virginia	238	96	142	1	6	24	35	21	13	0
DAVIDSON COLLEGE	North Carolina	228	52	176	0	1	6	14	32	39	8
GARDNER-WEBB UNIVERSITY	North Carolina	202	52	150	2	12	35	31	17	2	0
COLLEGE OF CHARLESTON	South Carolina	194	50	144	1	1	7	26	40	24	1
MEREDITH COLLEGE	North Carolina	190	53	137	2	9	29	29	21	9	1
UNIVERSITY OF GEORGIA	Georgia	189	42	147	0	1	6	21	40	31	1
All Other Institutions		10,339	2,960	7,379	3	11	22	24	20	17	3
Total		34,411	10,035	24,376	2	9	22	28	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: 16,736

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	13,706	905,035	21.7	21.5	7.1	7.1	20.9	20.8
Black/African American	2,839	112,251	16.1	16.7	6.3	6.3	16.1	16.5
American Indian/Alaska Native	118	5,519	16.9	18.4	6.6	6.5	17.0	18.0
White	8,617	522,234	23.5	23.2	7.4	7.3	22.5	22.2
Hispanic/Latino	678	128,599	20.0	18.4	7.1	6.8	19.7	18.2
Asian	531	51,829	23.9	23.8	7.7	7.6	23.1	22.9
Native Hawaiian/Other Pac. Isl.	4	1,332	19.0	19.7	7.5	7.2	19.5	19.5
Two or more races	384	27,722	20.7	21.6	6.9	7.0	20.0	20.8
Prefer not/No Response	535	55,549	23.6	21.3	7.4	7.0	22.6	20.5
Males	5,646	399,206	21.3	21.3	6.9	6.8	20.4	20.3
Females	8,050	503,699	21.9	21.8	7.3	7.3	21.3	21.1
Missing	10	2,130	28.8	17.6	7.6	6.2	26.4	17.1

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

