

ACT Profile Report - State

Graduating Class 2012
Virginia



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

33% 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: 21,647 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. 89% 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, 6% were college ready. 9% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 10% of these students were college ready. In comparison, 62% 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. 10% of these students were college ready. In comparison, 40% 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

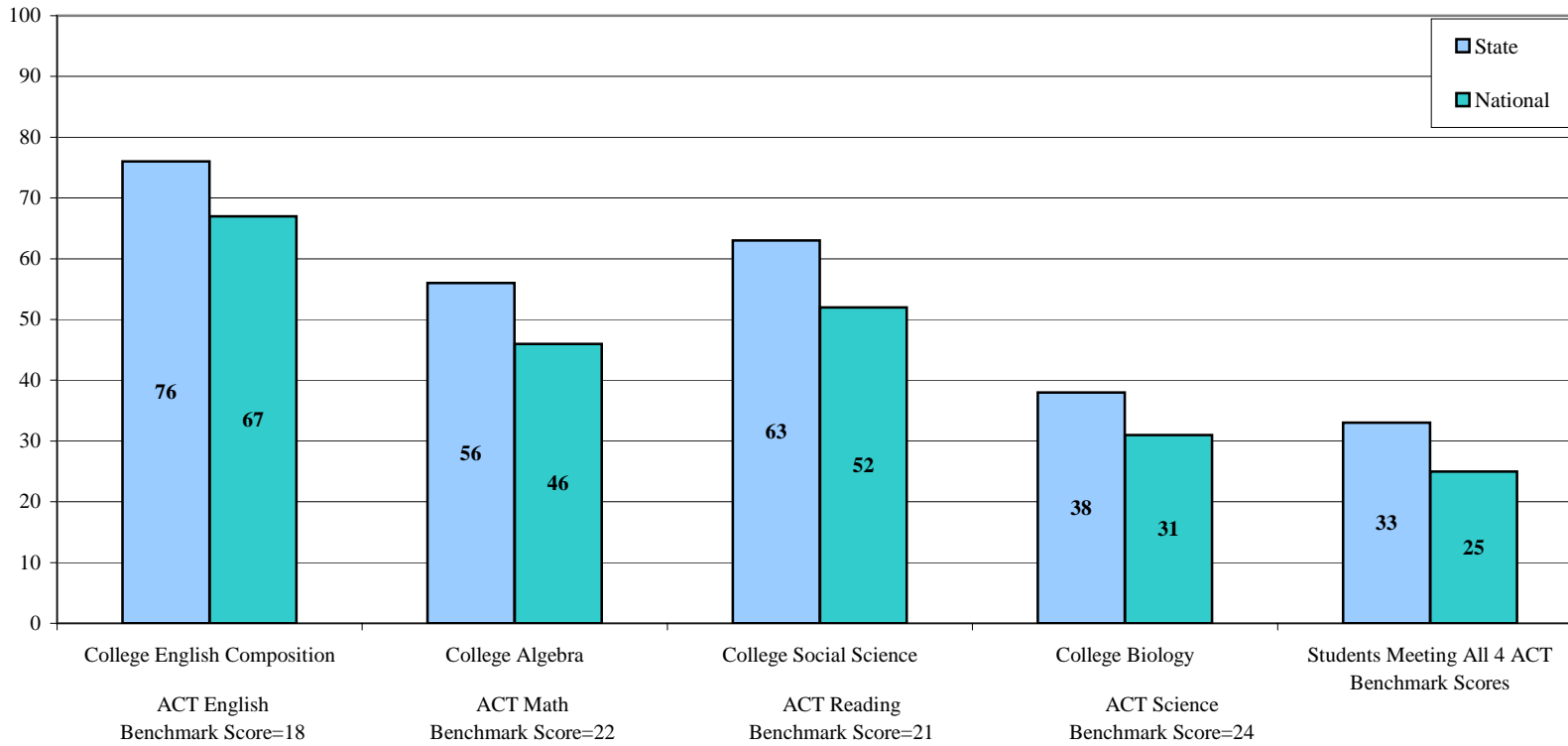
Executive Summary

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: 21,647

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: 21,647

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	16,896	1,421,941	74	68	50	43	58	53	32	28	26	22
2009	17,902	1,480,469	74	67	49	42	59	53	33	28	27	23
2010	19,236	1,568,835	76	66	53	43	61	52	37	29	31	24
2011	20,526	1,623,112	76	66	55	45	61	52	36	30	32	25
2012	21,647	1,666,017	76	67	56	46	63	52	38	31	33	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	16,896	1,421,941	21.5	20.6	21.8	21.0	22.2	21.4	21.3	20.8	21.8	21.1
2009	17,902	1,480,469	21.7	20.6	21.8	21.0	22.3	21.4	21.4	20.9	21.9	21.1
2010	19,236	1,568,835	22.0	20.5	22.1	21.0	22.5	21.3	21.9	20.9	22.3	21.0
2011	20,526	1,623,112	22.1	20.6	22.2	21.1	22.7	21.3	21.8	20.9	22.3	21.1
2012	21,647	1,666,017	22.1	20.5	22.3	21.1	22.7	21.3	21.9	20.9	22.4	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: 21,647

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	13,020	2,472	77	15	22.0	19.0	22.2	19.9	22.6	20.2	21.7	19.5	22.2	19.8
2009	15,576	1,856	87	10	22.2	17.7	22.2	18.6	22.8	18.8	21.9	18.3	22.4	18.5
2010	17,015	1,883	88	10	22.6	17.9	22.5	18.8	23.0	19.0	22.3	18.7	22.7	18.7
2011	18,170	1,915	89	9	22.6	18.4	22.6	19.1	23.1	19.5	22.2	19.0	22.7	19.1
2012	19,276	2,029	89	9	22.5	18.3	22.7	19.1	23.1	19.5	22.3	18.7	22.8	19.0

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

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

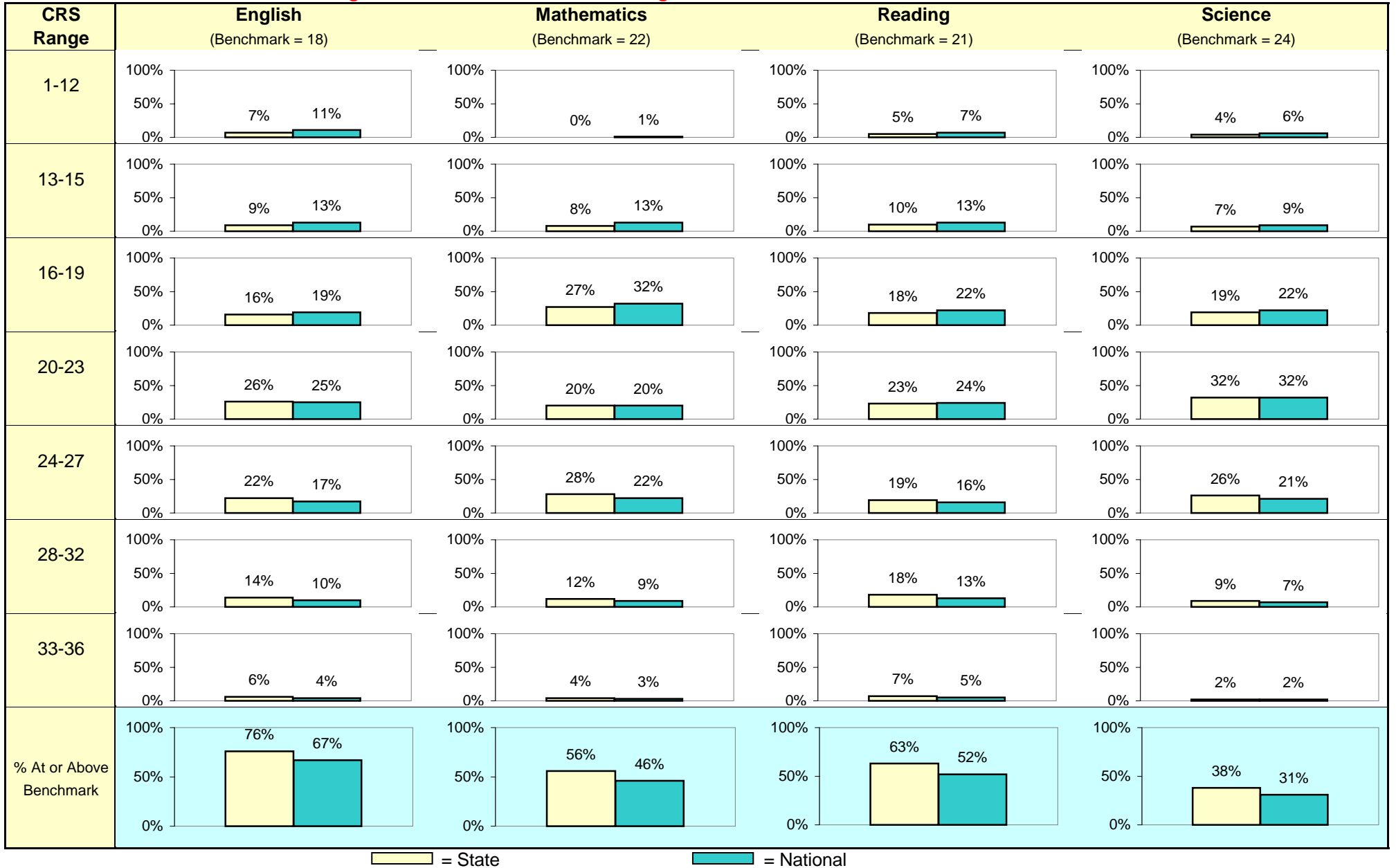
Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2008			2009			2010			2011			2012		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	16,896	100	21.8	17,902	100	21.9	19,236	100	22.3	20,526	100	22.3	21,647	100	22.4
Black/African American	3,308	20	17.5	3,607	20	17.6	3,765	20	17.6	4,046	20	17.7	4,202	19	17.7
American Indian/Alaska Native	62	0	21.6	60	0	21.6	80	0	22.0	62	0	22.0	65	0	20.6
White	9,687	57	22.9	10,770	60	23.1	11,779	61	23.5	12,224	60	23.7	12,534	58	23.7
Hispanic/Latino	617	4	21.0	722	4	21.0	818	4	21.6	1,132	6	21.4	1,353	6	21.7
Asian	827	5	23.6	953	5	23.6	1,132	6	24.2	1,191	6	24.4	1,234	6	24.5
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	31	0	23.0	60	0	23.1
Two or more races	417	2	22.1	478	3	22.1	543	3	22.6	758	4	22.2	932	4	22.5
Prefer not to respond/No response	1,978	12	23.1	1,312	7	23.0	1,119	6	23.0	1,082	5	23.4	1,267	6	23.5

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

Total Students in Report: 21,647

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: 21,647

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	66	100	96	100	222	100	128	100	7	100	36
35	320	100	179	100	294	99	154	99	67	100	35
34	422	98	268	99	443	98	93	99	162	100	34
33	453	96	329	97	650	96	164	98	286	99	33
32	484	94	340	96	683	93	266	98	387	98	32
31	500	92	298	94	902	89	358	96	518	96	31
30	698	90	502	93	756	85	382	95	679	93	30
29	646	86	569	91	725	82	418	93	819	90	29
28	633	83	935	88	847	78	607	91	979	86	28
27	1,033	80	1,159	84	850	74	1,176	88	1,060	82	27
26	1,012	76	1,630	78	907	71	876	83	1,278	77	26
25	1,122	71	1,483	71	874	66	1,573	79	1,353	71	25
24	1,624	66	1,713	64	1,383	62	2,024	71	1,514	65	24
23	1,258	58	1,434	56	1,149	56	1,766	62	1,587	58	23
22	1,395	53	1,146	49	1,258	51	1,737	54	1,491	51	22
21	1,577	46	672	44	1,596	45	1,756	46	1,439	44	21
20	1,379	39	1,119	41	993	37	1,755	38	1,309	37	20
19	970	32	1,085	36	1,016	33	1,196	30	1,269	31	19
18	773	28	1,368	31	1,344	28	1,363	24	1,195	25	18
17	726	24	1,542	25	842	22	803	18	1,082	20	17
16	976	21	1,893	17	794	18	700	14	917	15	16
15	943	17	1,193	9	830	14	540	11	804	10	15
14	704	12	403	3	713	11	432	8	533	7	14
13	398	9	187	1	519	7	474	6	406	4	13
12	345	7	53	1	505	5	272	4	274	2	12
11	359	5	24	1	270	3	222	3	122	1	11
10	343	4	13	1	131	1	217	2	69	1	10
9	190	2	7	1	59	1	97	1	26	1	9
8	157	1	3	1	36	1	42	1	11	1	8
7	82	1	0	1	32	1	27	1	4	1	7
6	37	1	3	1	9	1	15	1	0	1	6
5	17	1	0	1	9	1	5	1	0	1	5
4	2	1	1	1	3	1	3	1	0	1	4
3	3	1	0	1	1	1	5	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	1	1	1	1	0	1	1
Avg (SD)	22.1 (6.3)		22.3 (5.3)		22.7 (6.4)		21.9 (5.2)		22.4 (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: 21,647

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	1,097	100	300	100	777	100	1,049	100	1,292	100	311	100	344	100	18
17	1,275	95	422	99	1,381	96	1,653	95	1,295	94	211	99	64	98	17
16	1,562	89	1,575	97	1,662	90	1,875	88	961	88	909	98	940	98	16
15	1,063	82	1,629	89	1,275	82	1,524	79	1,668	84	1,196	93	1,405	94	15
14	1,798	77	2,071	82	1,585	76	1,831	72	1,870	76	2,497	88	2,042	87	14
13	1,107	69	2,216	72	1,858	69	1,940	63	2,466	67	3,156	76	2,224	78	13
12	1,904	63	2,465	62	2,237	61	1,787	54	2,155	56	2,169	62	2,844	68	12
11	2,226	55	2,608	51	1,699	50	1,632	46	2,121	46	2,634	52	2,381	54	11
10	2,368	44	1,853	39	1,955	42	1,782	39	1,709	36	2,855	40	2,695	43	10
9	1,774	33	2,167	30	1,899	33	1,564	30	1,311	28	2,230	26	2,104	31	9
8	1,483	25	1,369	20	1,604	25	1,623	23	2,096	22	1,674	16	1,685	21	8
7	1,363	18	1,037	14	1,881	17	1,060	16	1,713	12	685	8	1,304	13	7
6	1,043	12	658	9	825	8	1,165	11	565	5	362	5	847	7	6
5	629	7	583	6	478	5	658	5	262	2	407	4	119	4	5
4	461	4	422	3	296	2	255	2	106	1	81	2	439	3	4
3	322	2	209	1	101	1	195	1	40	1	169	1	14	1	3
2	158	1	56	1	90	1	41	1	15	1	8	1	149	1	2
1	14	1	7	1	44	1	13	1	2	1	93	1	47	1	1
Avg (SD)	11.2 (3.9)		11.3 (3.3)		11.4 (3.7)		11.8 (3.8)		11.8 (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)	26	26	28	25	26
Q2 (50th Percentile)	22	23	22	22	22
Q1 (25th Percentile)	18	18	18	19	18

Total Students in Report: 21,647

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	21,647	89	22.8	19.0
	Black/African American	4,202	81	18.2	15.4
	American Indian/Alaska Native	65	85	21.3	16.5
	White	12,534	91	23.9	21.4
	Hispanic/Latino	1,353	90	22.0	18.9
	Asian	1,234	92	24.7	21.9
	Native Hawaiian/Other Pac. Isl.	60	83	22.8	24.8
	Two or more races	932	90	22.7	19.8
	Prefer not/No Response	1,267	89	23.9	20.4
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	22.1	22.3	22.7	21.9	22.4
	Black/African American	16.8	18.0	17.8	17.7	17.7
	American Indian/Alaska Native	20.1	20.4	21.1	20.6	20.6
	White	23.6	23.3	24.2	23.1	23.7
	Hispanic/Latino	21.1	21.7	22.1	21.4	21.7
	Asian	23.7	26.1	24.0	23.8	24.5
	Native Hawaiian/Other Pac. Isl.	22.6	23.0	23.5	22.7	23.1
	Two or more races	22.0	22.2	23.2	22.2	22.5
	Prefer not/No Response	23.5	23.4	24.0	22.7	23.5
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: 21,647

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	1,261	6	872	4	1,609	7	539	2
	28 to 32	2,961	14	2,644	12	3,913	18	2,031	9
	24 to 27	4,791	22	5,985	28	4,014	19	5,649	26
	20 to 23	5,609	26	4,371	20	4,996	23	7,014	32
	16 to 19	3,445	16	5,888	27	3,996	18	4,062	19
	13 to 15	2,045	9	1,783	8	2,062	10	1,446	7
	01 to 12	1,535	7	104	0	1,057	5	906	4
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	9,445	44	21.5	23.0	22.5	22.4	22.5
	Females	12,199	56	22.5	21.8	23.0	21.5	22.3
	Missing	3	0	19.3	20.7	17.0	18.7	19.0
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	73	60	61	43	37
	Females	78	52	64	34	30
National	Males	64	50	51	35	29
	Females	69	42	53	27	22

Total Students in Report: 21,647

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	19,276	79	22.5	59	22.7	65	23.1	40	22.3	35	22.8
	Less than Core	2,029	50	18.3	29	19.1	39	19.5	19	18.7	16	19.0
	Missing ³	342	59	19.4	39	20.5	43	20.3	22	20.0	18	20.2
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	21,016	76	22.1	20,804	57	22.5	20,653	63	22.8	20,184	40	22.2
	Less than Core	300	62	19.6	510	6	16.1	658	55	22.0	1,125	10	17.0
	Missing ³	331	59	19.4	333	39	20.5	336	43	20.3	338	22	20.0
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.

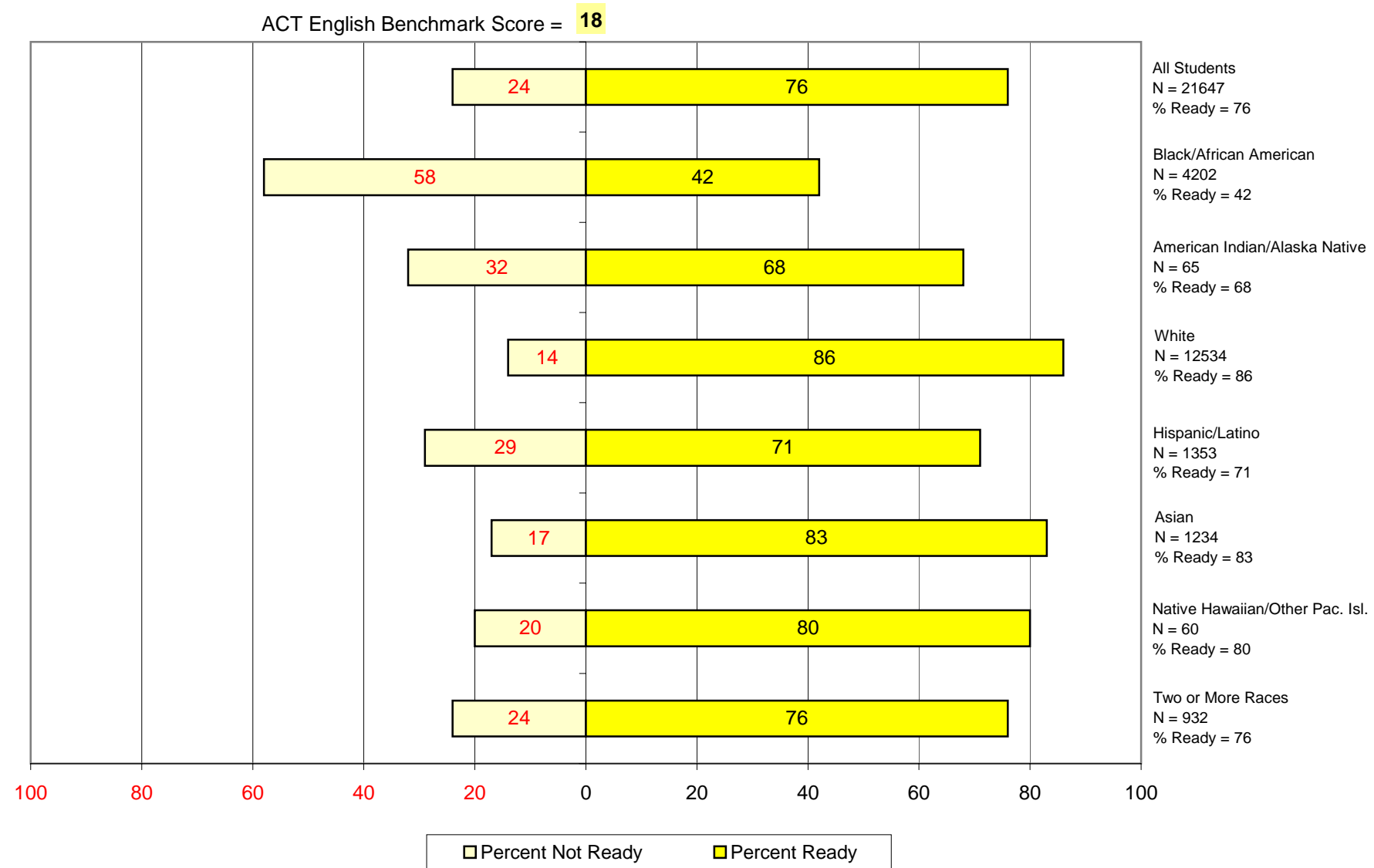
³ Zero years or no coursework information reported in the specified content area.

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

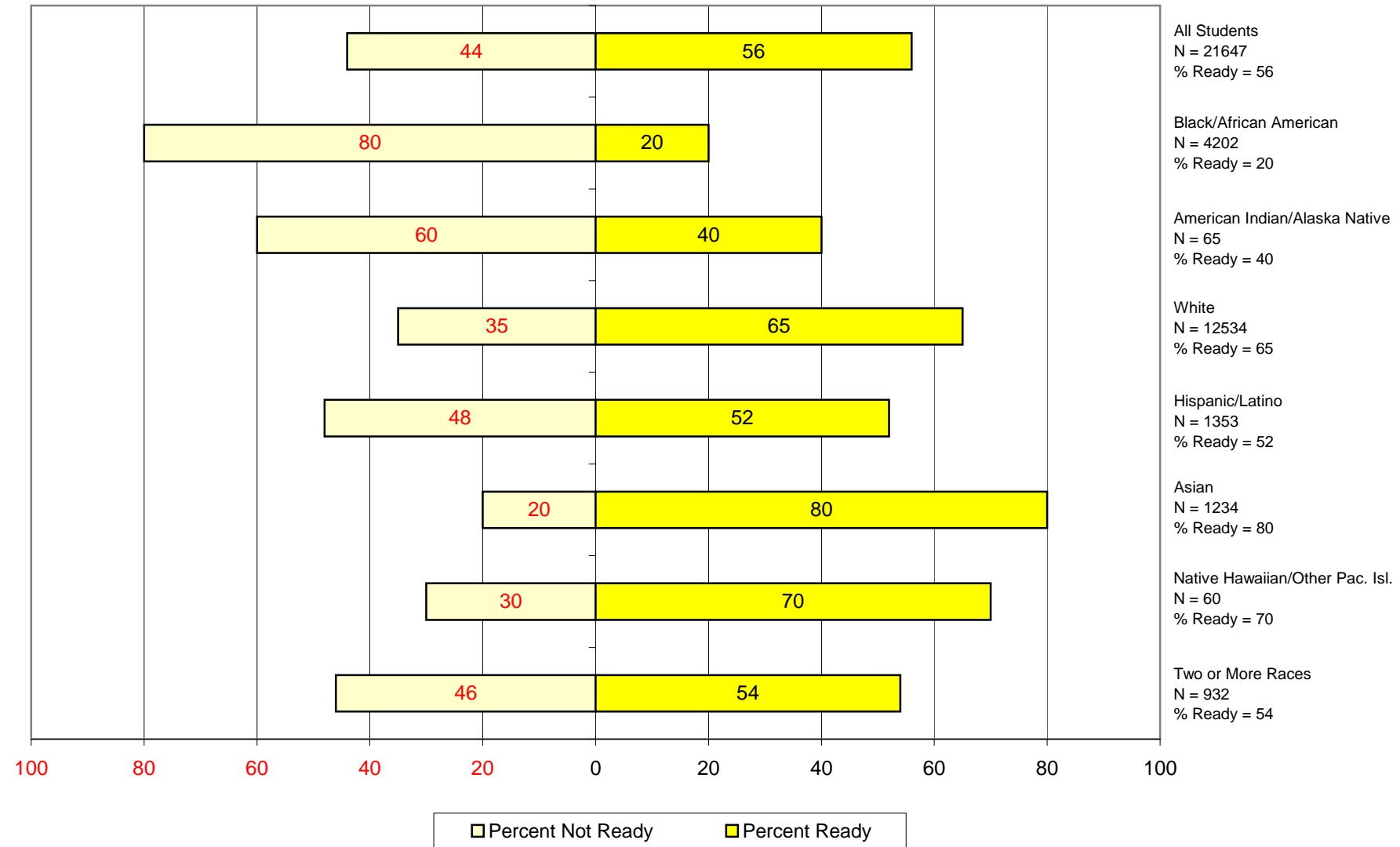


¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 21,647

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

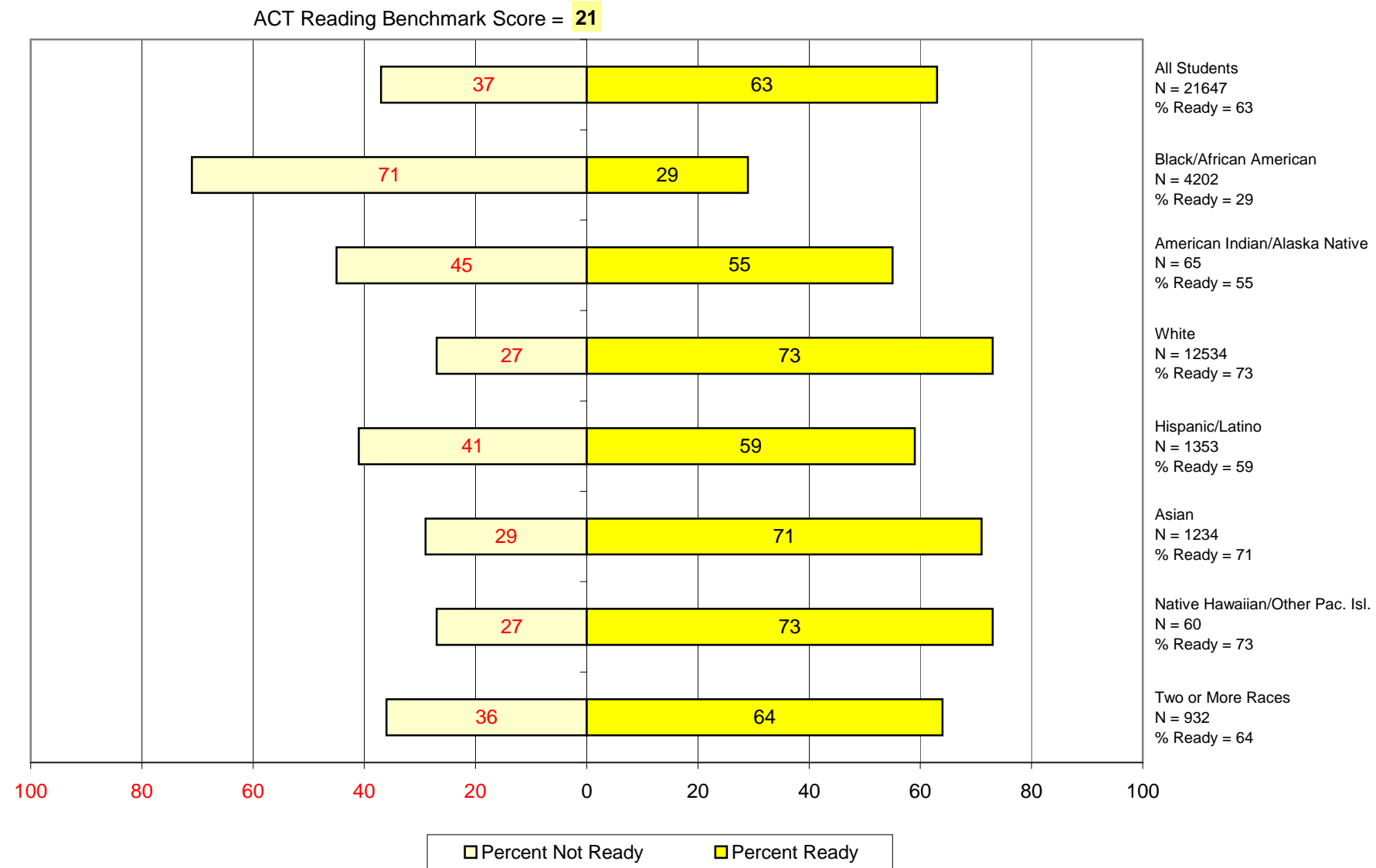
ACT Mathematics Benchmark Score = **22**



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

Total Students in Report: 21,647

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

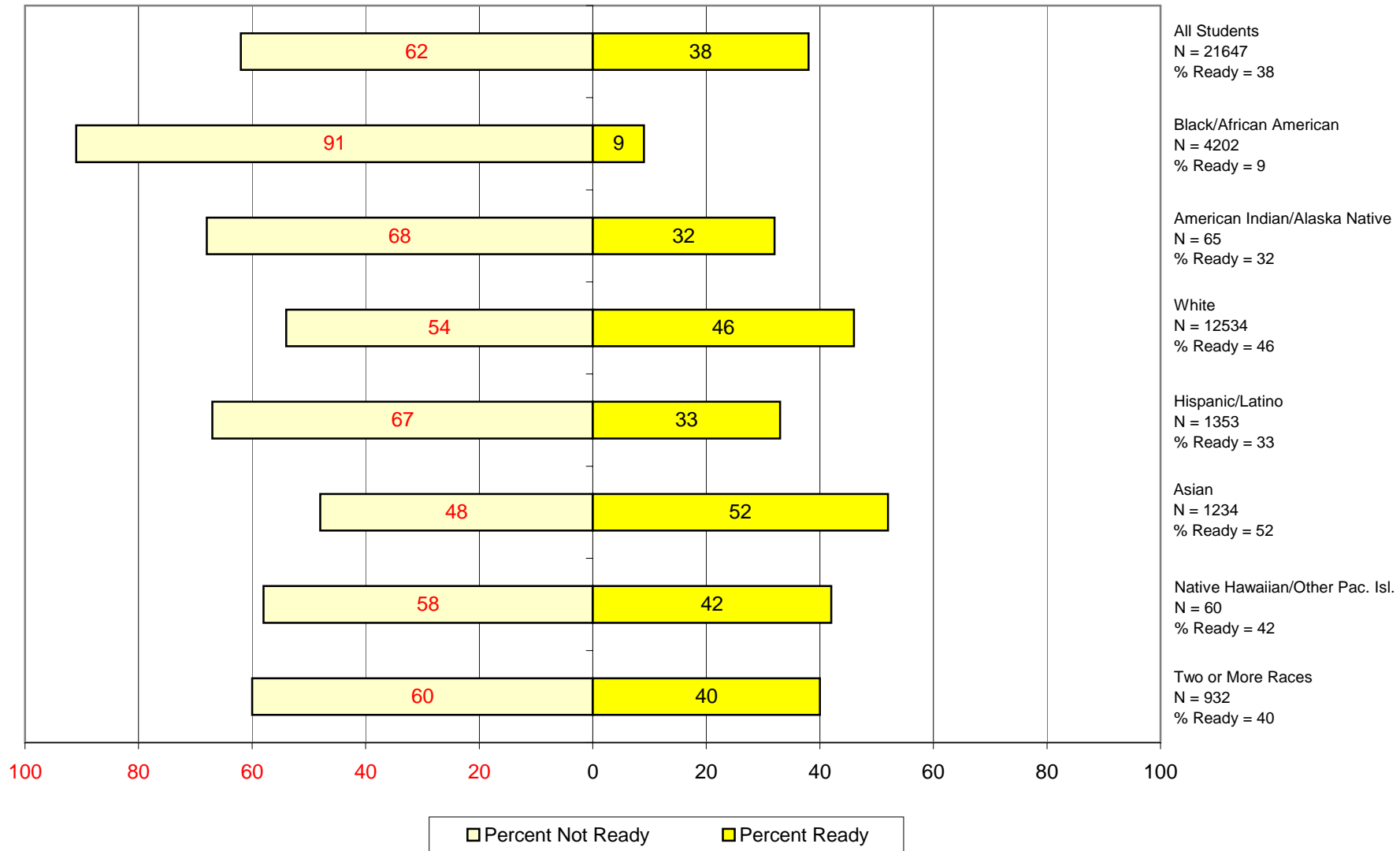


¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 21,647

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

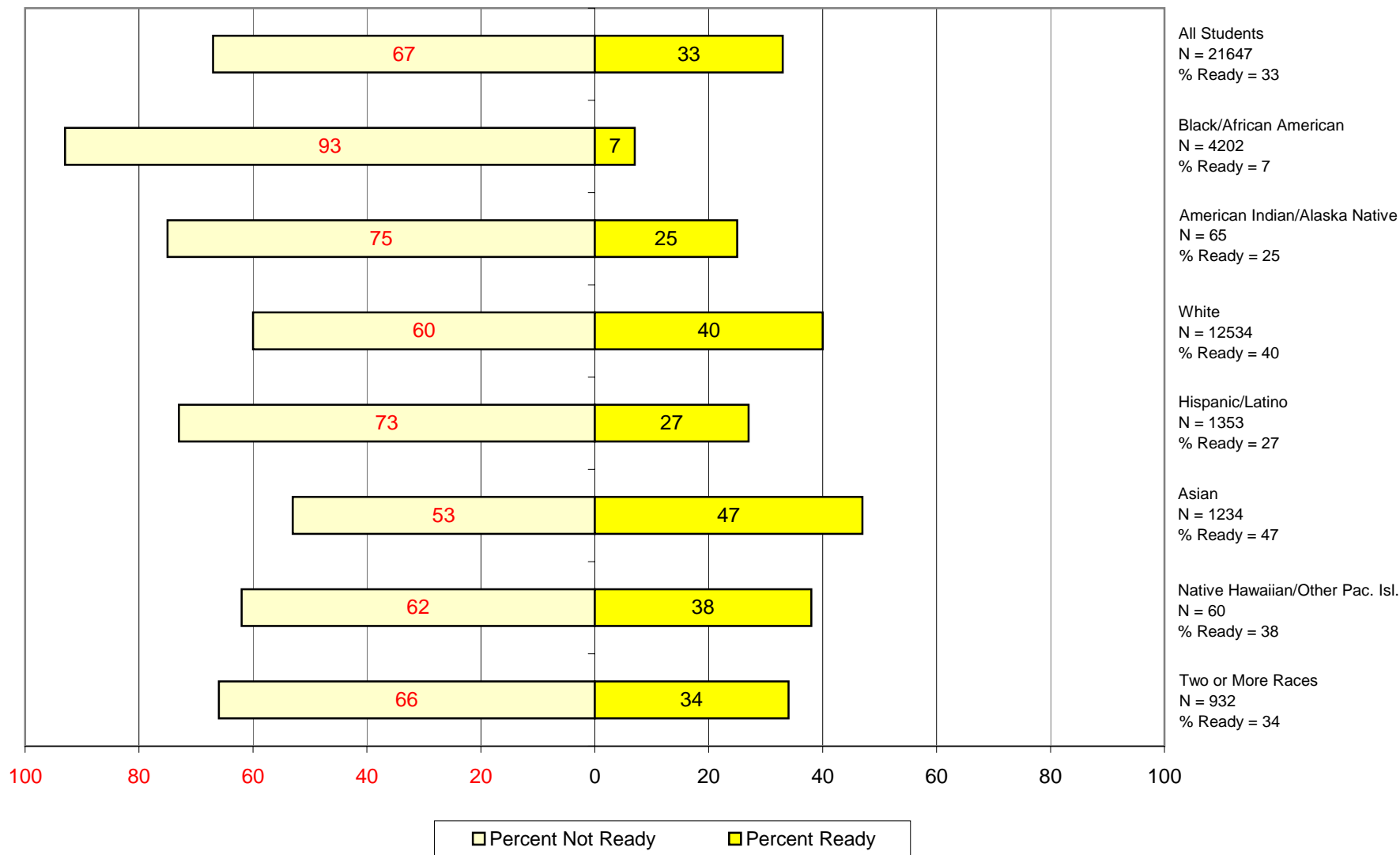
ACT Science Benchmark Score = **24**



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

Total Students in Report: 21,647

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: 21,647

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	4,315	20	22.8	3.2	1,726	18	22.1	3.3	2,589	21	23.2	3.0
Eng 9, Eng 10, Eng 11, Eng 12	16,701	77	22.0	2.4	7,395	78	21.5	2.7	9,303	76	22.3	2.1
Less than 4 years of English	300	1	19.6	-	131	1	18.8	-	169	1	20.2	-
Zero years / no English courses reported	331	2	19.4	-	193	2	18.7	-	138	1	20.4	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,997	9	24.9	8.8	842	9	25.7	9.5	1,154	9	24.4	8.4
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,725	13	22.0	5.9	983	10	22.5	6.3	1,742	14	21.8	5.8
Alg 1, Alg 2, Geom, & Trig	1,758	8	19.4	3.3	673	7	19.9	3.7	1,084	9	19.2	3.2
Alg 1, Alg 2, Geom, & Other Adv Math	2,685	12	19.9	3.8	962	10	20.2	4.0	1,722	14	19.7	3.7
Other comb of 4 or more years of Math	9,034	42	24.8	8.7	4,379	46	25.5	9.3	4,655	38	24.2	8.2
Alg 1, Alg 2, & Geom	1,907	9	17.1	1.0	824	9	17.2	1.0	1,083	9	17.0	1.0
Other comb of 3 or 3.5 years of Math	698	3	19.8	3.7	334	4	20.0	3.8	364	3	19.6	3.6
Less than 3 years of Math	510	2	16.1	-	253	3	16.2	-	257	2	16.0	-
Zero years / no Math courses reported	333	2	20.5	-	195	2	20.8	-	138	1	20.1	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	2,660	12	22.9	0.9	1,285	14	22.6	1.4	1,375	11	23.2	0.4
Other comb of 4 or more years Social Science	9,630	44	23.3	1.3	4,097	43	23.0	1.8	5,532	45	23.4	0.6
US Hist, World Hist, & Am Gov	3,034	14	21.8	-0.2	1,346	14	21.4	0.2	1,688	14	22.1	-0.7
Other comb of 3 or 3.5 years of Social Science	5,329	25	22.5	0.5	2,208	23	22.4	1.2	3,120	26	22.6	-0.2
Less than 3 years of Social Science	658	3	22.0	-	313	3	21.2	-	344	3	22.8	-
Zero years / no Social Science courses reported	336	2	20.3	-	196	2	20.0	-	140	1	20.7	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	12,073	56	23.0	6.0	5,688	60	23.6	6.6	6,383	52	22.5	5.5
Bio, Chem, Phys	1,791	8	25.0	8.0	767	8	25.9	8.9	1,024	8	24.3	7.3
Gen Sci ² , Bio, Chem	5,938	27	19.9	2.9	2,071	22	19.8	2.8	3,866	32	20.0	3.0
Other comb of 3 years of Natural Science	382	2	19.1	2.1	198	2	19.5	2.5	184	2	18.6	1.6
Less than 3 years of Natural Science	1,125	5	17.0	-	523	6	17.0	-	602	5	17.0	-
Zero years / no Natural Science courses reported	338	2	20.0	-	198	2	19.9	-	140	1	20.3	-

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: 21,647

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	4,315	20	22.8	79	380,162	23	21.7	73
Eng 9, Eng 10, Eng 11, Eng 12	16,701	77	22.0	75	1,178,400	71	20.5	67
Less than 4 years of English	300	1	19.6	62	64,748	4	16.5	41
Zero years / no English courses reported	331	2	19.4	59	42,707	3	16.5	40
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	1,997	9	24.9	80	108,668	7	24.0	69
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,725	13	22.0	59	151,050	9	22.0	58
Alg 1, Alg 2, Geom, & Trig	1,758	8	19.4	31	115,739	7	19.6	34
Alg 1, Alg 2, Geom, & Other Adv Math	2,685	12	19.9	35	279,658	17	19.9	36
Other comb of 4 or more years of Math	9,034	42	24.8	75	585,086	35	23.6	66
Alg 1, Alg 2, & Geom	1,907	9	17.1	10	228,058	14	17.3	12
Other comb of 3 or 3.5 years of Math	698	3	19.8	35	82,509	5	19.9	35
Less than 3 years of Math	510	2	16.1	6	69,741	4	16.6	8
Zero years / no Math courses reported	333	2	20.5	39	45,508	3	18.2	22
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	2,660	12	22.9	64	47,179	3	22.3	59
Other comb of 4 or more years Social Science	9,630	44	23.3	66	887,744	53	21.9	56
US Hist, World Hist, & Am Gov	3,034	14	21.8	56	84,563	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	5,329	25	22.5	61	452,172	27	21.2	51
Less than 3 years of Social Science	658	3	22.0	55	149,266	9	19.7	40
Zero years / no Social Science courses reported	336	2	20.3	43	45,093	3	17.8	29
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	12,073	56	23.0	46	740,499	44	21.9	39
Bio, Chem, Phys	1,791	8	25.0	64	171,734	10	23.0	47
Gen Sci ¹ , Bio, Chem	5,938	27	19.9	21	466,992	28	20.0	22
Other comb of 3 years of Natural Science	382	2	19.1	20	45,992	3	19.5	20
Less than 3 years of Natural Science	1,125	5	17.0	10	194,661	12	18.4	13
Zero years / no Natural Science courses reported	338	2	20.0	22	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: 21,647

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	233	1	21.9	3	2	18.7	213	1	22.1
Architecture	292	1	22.4	1	1	13.0	259	1	22.2
Area, Ethnic, & Multidisciplinary Studies	64	0	24.4	0	0	.	55	0	24.8
Arts: Visual & Performing	1,200	6	21.8	14	8	19.1	1,080	6	21.9
Business	2,265	10	21.4	37	22	16.7	1,957	10	21.6
Communications	598	3	21.5	3	2	18.7	529	3	21.3
Community, Family, & Personal Services	236	1	19.3	5	3	15.6	211	1	19.5
Computer Science & Mathematics	655	3	22.9	9	5	19.4	573	3	22.8
Education	1,213	6	21.0	5	3	17.6	1,115	6	21.1
Engineering	1,993	9	24.9	6	4	14.7	1,795	10	24.9
Engineering Technology & Drafting	220	1	20.8	6	4	15.0	187	1	20.7
English & Foreign Languages	351	2	25.2	1	1	29.0	312	2	25.2
Health Administration & Assisting	412	2	18.5	10	6	16.3	348	2	18.5
Health Sciences & Technologies	3,314	15	21.7	20	12	18.6	3,022	16	21.8
Philosophy, Religion, & Theology	112	1	21.9	2	1	17.0	99	1	21.9
Repair, Production, & Construction	38	0	17.6	11	6	15.9	25	0	18.6
Sciences: Biological & Physical	1,968	9	24.2	1	1	25.0	1,783	10	24.1
Social Sciences & Law	2,233	10	22.3	11	6	14.9	2,009	11	22.3
Undecided	3,848	18	22.6	24	14	18.3	2,945	16	22.9
No Response	402	2	20.3	2	1	11.5	138	1	21.4

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: 21,647

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	66	17.7	24	14.1	0	.	29	20.3	4	16.8
2-yr College Degree	105	17.0	38	15.1	1	14.0	54	18.3	5	17.8
Bachelors Degree	8,251	20.6	1,816	16.6	26	19.8	4,977	22.0	474	19.9
Graduate Study	5,297	23.9	656	19.3	15	22.4	3,559	24.7	309	23.3
Prof. Level Degree	5,107	24.0	1,048	19.5	15	21.1	2,532	25.6	406	23.0
Other	178	19.7	52	14.8	0	.	72	22.7	14	19.3
No Response	2,643	22.2	568	16.8	8	20.1	1,311	23.7	141	20.9

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	66	17.7	6	20.7	1	13.0	1	17.0	1	20.0
2-yr College Degree	105	17.0	2	14.0	0	.	4	18.3	1	22.0
Bachelors Degree	8,251	20.6	281	21.9	17	22.4	340	20.7	320	21.0
Graduate Study	5,297	23.9	252	25.5	15	23.1	203	24.0	288	24.0
Prof. Level Degree	5,107	24.0	501	25.7	17	25.9	275	23.8	313	24.8
Other	178	19.7	15	18.1	1	21.0	9	21.9	15	23.5
No Response	2,643	22.2	177	24.7	9	20.6	100	22.2	329	24.4

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

Total Students in Report: 21,647

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
JAMES MADISON UNIVERSITY	Virginia	3,068	904	2,164	0	3	15	34	32	14	1
VIRGINIA TECH	Virginia	2,870	1,051	1,819	1	2	11	27	35	22	3
VIRGINIA COMMONWEALTH UNIVERSITY	Virginia	2,175	622	1,553	2	9	27	32	20	8	1
UNIVERSITY OF VIRGINIA	Virginia	2,150	683	1,467	0	2	8	19	33	33	5
OLD DOMINION UNIVERSITY	Virginia	1,798	454	1,344	3	13	34	31	14	4	0
GEORGE MASON UNIVERSITY	Virginia	1,664	397	1,267	1	5	21	35	26	11	1
RADFORD UNIVERSITY	Virginia	1,304	390	914	2	11	35	35	15	3	0
CHRISTOPHER NEWPORT UNIVERSITY	Virginia	1,208	323	885	1	4	19	36	29	10	0
COLLEGE OF WILLIAM AND MARY	Virginia	1,149	324	825	1	1	6	16	33	38	4
LONGWOOD UNIVERSITY	Virginia	836	218	618	1	7	32	36	20	4	0
NORFOLK STATE UNIVERSITY	Virginia	656	216	440	13	33	41	11	2	0	0
VIRGINIA STATE UNIVERSITY	Virginia	625	186	439	14	33	41	10	1	0	0
UNIVERSITY OF MARY WASHINGTON	Virginia	599	117	482	1	2	16	31	32	17	1
LIBERTY UNIVERSITY	Virginia	523	273	250	3	9	29	33	19	7	0
NCAA ELIGIBILITY CENTER	Indiana	486	293	193	5	11	28	28	18	9	0
HAMPTON UNIVERSITY	Virginia	372	94	278	6	18	42	25	7	1	0
UNIVERSITY OF RICHMOND	Virginia	353	87	266	2	7	18	25	28	19	1
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	290	75	215	0	2	9	30	40	18	2
VIRGINIA MILITARY INSTITUTE	Virginia	289	138	151	1	6	21	35	27	10	0
WEST VIRGINIA UNIVERSITY	West Virginia	286	77	209	1	6	24	39	23	6	0
LYNCHBURG COLLEGE	Virginia	278	76	202	3	10	36	36	12	4	0
EAST CAROLINA UNIVERSITY	North Carolina	265	55	210	1	5	26	40	20	7	0
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	265	75	190	1	5	8	17	31	36	3
FERRUM COLLEGE	Virginia	251	79	172	5	26	33	25	9	1	0
RANDOLPH-MACON COLLEGE	Virginia	229	43	186	2	6	29	40	17	5	0
BRIDGEWATER COLLEGE	Virginia	223	55	168	3	11	34	36	13	4	0
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	198	34	164	1	2	7	26	35	26	4
VIRGINIA UNION UNIVERSITY	Virginia	198	38	160	15	37	38	9	1	0	0
ROANOKE COLLEGE	Virginia	192	43	149	2	7	22	39	25	6	0
DUKE UNIVERSITY	North Carolina	191	61	130	0	0	7	15	30	39	9
All Other Institutions		13,623	3,796	9,827	2	8	19	24	24	19	3
Total		38,614	11,277	27,337	2	8	21	27	24	16	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: 21,647

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	15,186	931,148	23.0	21.5	7.1	7.1	21.9	20.7
Black/African American	2,564	113,247	17.4	16.6	6.2	6.2	16.9	16.4
American Indian/Alaska Native	42	5,233	20.6	17.8	7.0	6.5	20.0	17.5
White	8,864	518,974	24.5	23.2	7.3	7.2	23.2	22.1
Hispanic/Latino	1,022	150,249	21.6	18.5	7.2	6.8	20.9	18.3
Asian	1,042	53,381	24.4	23.7	7.6	7.6	23.4	22.8
Native Hawaiian/Other Pac. Isl.	42	2,851	23.5	19.9	7.5	7.1	22.7	19.6
Two or more races	659	32,346	22.9	21.9	7.1	7.1	21.8	21.1
Prefer not/No Response	951	54,867	24.3	21.8	7.4	7.1	23.1	21.0
Males	6,447	413,617	22.5	21.2	6.9	6.8	21.3	20.3
Females	8,736	515,745	23.4	21.7	7.3	7.2	22.3	21.1
Missing	3	1,786	19.3	16.8	6.7	6.3	19.0	16.6

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

