

ACT Profile Report - State

Graduating Class 2011
Virginia



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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

32% 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: 20,526 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, 38% 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 36% 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.

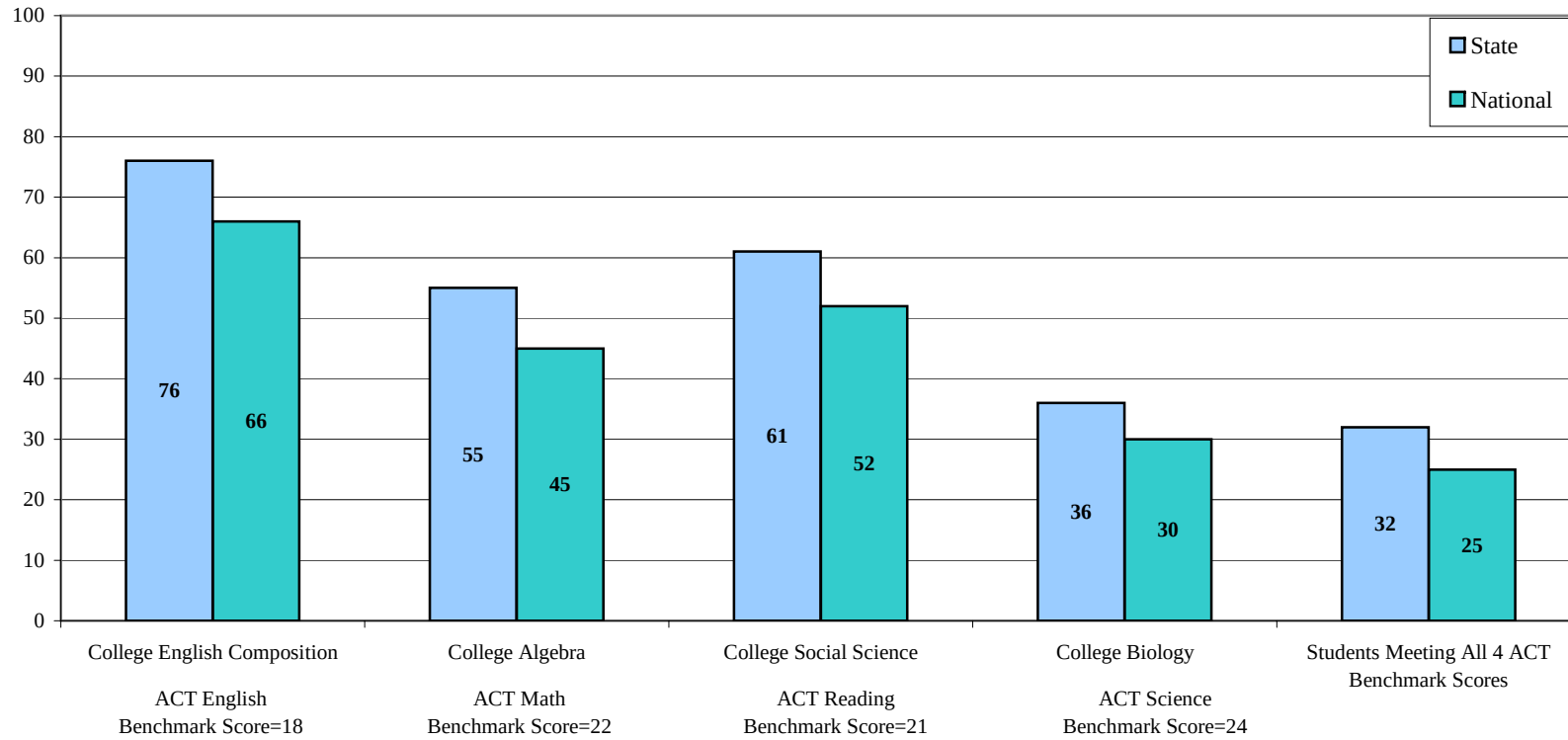
Section I

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.

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: 20,526

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	14,653	1,300,599	72	69	45	43	54	53	29	28	23	23
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

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	14,653	1,300,599	21.0	20.7	21.2	21.0	21.7	21.5	21.1	21.0	21.4	21.2
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

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: 20,526

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	Less than Core	English		Mathematics		Reading		Science		Composite	
	Core or More ¹	Less than Core			Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core	Core or More	Less than Core
2007	8,592	3,347	59	23	21.7	19.4	21.7	19.9	22.3	20.5	21.6	19.9	21.9	20.1
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

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	14,653	100	21.4	16,896	100	21.8	17,902	100	21.9	19,236	100	22.3	20,526	100	22.3
Black/African American	2,898	20	17.4	3,308	20	17.5	3,607	20	17.6	3,765	20	17.6	4,046	20	17.7
American Indian/Alaska Native	40	0	21.4	62	0	21.6	60	0	21.6	80	0	22.0	62	0	22.0
White	7,700	53	22.5	9,687	57	22.9	10,770	60	23.1	11,779	61	23.5	12,224	60	23.7
Hispanic/Latino	421	3	20.4	617	4	21.0	722	4	21.0	818	4	21.6	1,132	6	21.4
Asian	604	4	22.8	827	5	23.6	953	5	23.6	1,132	6	24.2	1,191	6	24.4
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	31	0	23.0
Two or more races	302	2	21.3	417	2	22.1	478	3	22.1	543	3	22.6	758	4	22.2
Prefer not to respond/No response	2,688	18	22.2	1,978	12	23.1	1,312	7	23.0	1,119	6	23.0	1,082	5	23.4

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

Total Students in Report: 20,526

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: 20,526

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	65	100	81	100	208	100	82	100	4	100	36
35	382	100	172	100	263	99	92	100	58	100	35
34	312	98	287	99	530	98	89	99	164	100	34
33	391	96	230	97	603	95	233	99	229	99	33
32	461	94	339	96	669	92	181	98	360	98	32
31	589	92	313	95	665	89	242	97	476	96	31
30	543	89	398	93	761	86	365	96	594	94	30
29	667	87	587	91	596	82	478	94	800	91	29
28	789	83	829	88	812	79	870	91	918	87	28
27	963	80	1,165	84	774	75	767	87	1,071	82	27
26	878	75	1,363	79	840	71	1,075	83	1,204	77	26
25	1,116	71	1,383	72	1,085	67	1,299	78	1,322	71	25
24	1,537	65	1,544	65	1,295	62	1,716	72	1,386	65	24
23	1,046	58	1,525	58	902	56	1,879	64	1,433	58	23
22	1,518	53	1,096	50	1,292	51	1,392	54	1,461	51	22
21	1,434	45	776	45	1,275	45	1,932	48	1,402	44	21
20	1,116	38	1,047	41	1,199	39	1,739	38	1,312	37	20
19	925	33	1,064	36	1,039	33	1,112	30	1,199	31	19
18	789	28	1,315	31	1,047	28	1,338	24	1,124	25	18
17	778	24	1,428	24	981	23	790	18	999	20	17
16	860	21	1,777	17	791	18	580	14	865	15	16
15	813	16	1,102	9	590	14	651	11	724	10	15
14	643	12	405	3	822	11	426	8	585	7	14
13	361	9	191	1	453	7	335	6	377	4	13
12	358	8	61	1	484	5	270	4	236	2	12
11	386	6	27	1	297	3	214	3	135	1	11
10	283	4	5	1	130	1	225	2	56	1	10
9	248	3	5	1	53	1	74	1	21	1	9
8	145	1	5	1	32	1	37	1	6	1	8
7	72	1	1	1	16	1	11	1	3	1	7
6	33	1	2	1	13	1	13	1	2	1	6
5	18	1	0	1	4	1	12	1	0	1	5
4	3	1	3	1	3	1	2	1	0	1	4
3	3	1	0	1	1	1	4	1	0	1	3
2	1	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	1	1	1	1	0	1	1
Avg (SD)	22.1 (6.4)		22.2 (5.3)		22.7 (6.4)		21.8 (5.1)		22.3 (5.2)		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: 20,526

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	942	100	445	100	798	100	792	100	1,161	100	312	100	449	100	18
17	1,460	95	23	98	1,106	96	1,926	96	1,094	94	275	98	15	98	17
16	1,140	88	1,696	98	1,795	91	1,798	87	984	89	705	97	663	98	16
15	1,604	83	1,959	89	1,237	82	1,906	78	1,607	84	935	94	1,521	95	15
14	1,185	75	1,550	80	1,242	76	1,047	69	1,896	76	2,333	89	2,200	87	14
13	1,624	69	1,940	72	1,524	70	1,747	64	2,287	67	3,046	78	1,920	76	13
12	1,501	61	2,507	63	2,462	62	1,546	55	1,502	56	2,086	63	2,419	67	12
11	2,152	54	2,417	51	1,677	50	2,217	48	2,464	49	3,046	53	2,200	55	11
10	2,365	43	1,844	39	1,773	42	1,505	37	1,490	37	2,392	38	2,803	45	10
9	1,601	32	1,977	30	2,078	34	1,548	29	1,472	29	2,538	26	2,207	31	9
8	1,247	24	1,264	20	1,499	24	1,204	22	1,900	22	1,239	14	1,651	20	8
7	1,181	18	991	14	1,509	16	967	16	1,692	13	630	8	927	12	7
6	1,012	12	633	9	756	9	1,103	11	634	5	330	5	675	8	6
5	604	7	488	6	523	5	796	6	188	2	352	3	198	4	5
4	447	4	475	4	304	3	247	2	86	1	92	1	392	3	4
3	319	2	242	2	165	1	131	1	48	1	117	1	61	1	3
2	121	1	64	1	50	1	38	1	19	1	44	1	174	1	2
1	21	1	11	1	28	1	8	1	2	1	54	1	51	1	1
Avg (SD)	11.3 (3.9)		11.2 (3.4)		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)	27	26	27	25	26
Q2 (50th Percentile)	22	22	22	22	22
Q1 (25th Percentile)	18	18	18	19	18

Total Students in Report: 20,526

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	20,526	89	22.7	19.1
	Black/African American	4,046	80	18.3	15.3
	American Indian/Alaska Native	62	87	22.4	20.3
	White	12,224	91	23.9	21.4
	Hispanic/Latino	1,132	89	21.6	19.1
	Asian	1,191	93	24.6	22.5
	Native Hawaiian/Other Pac. Isl.	31	90	22.9	17.0
	Two or more races	758	89	22.6	18.8
	Prefer not/No Response	1,082	87	23.7	21.8
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	22.1	22.2	22.7	21.8	22.3
	Black/African American	16.7	18.0	17.8	17.8	17.7
	American Indian/Alaska Native	22.2	21.0	22.8	21.6	22.0
	White	23.7	23.3	24.2	23.0	23.7
	Hispanic/Latino	20.9	21.4	21.7	20.9	21.4
	Asian	23.7	26.1	23.8	23.6	24.4
	Native Hawaiian/Other Pac. Isl.	22.4	22.8	23.9	22.5	23.0
	Two or more races	22.1	21.9	22.7	21.7	22.2
	Prefer not/No Response	23.3	23.3	23.9	22.5	23.4
National	All Students	20.6	21.1	21.3	20.9	21.1
	Black/African American	15.9	17.2	17.0	17.1	17.0
	American Indian/Alaska Native	17.5	18.6	19.1	18.9	18.6
	White	22.1	22.1	22.7	22.1	22.4
	Hispanic/Latino	17.6	19.2	18.9	18.8	18.7
	Asian	22.8	25.1	22.9	23.1	23.6
	Native Hawaiian/Other Pac. Isl.	18.6	19.9	19.4	19.5	19.5
	Two or more races	20.7	20.7	21.6	20.9	21.1
	Prefer not/No Response	20.2	20.9	21.0	20.4	20.7

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

Total Students in Report: 20,526

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	1,150	6	770	4	1,604	8	496	2
	28 to 32	3,049	15	2,466	12	3,503	17	2,136	10
	24 to 27	4,494	22	5,455	27	3,994	19	4,857	24
	20 to 23	5,114	25	4,444	22	4,668	23	6,942	34
	16 to 19	3,352	16	5,584	27	3,858	19	3,820	19
	13 to 15	1,817	9	1,698	8	1,865	9	1,412	7
	01 to 12	1,550	8	109	1	1,034	5	863	4
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	8,833	43	21.6	23.0	22.4	22.3	22.4
	Females	11,692	57	22.5	21.7	22.9	21.4	22.3
	Missing	1	0	14.0	15.0	15.0	21.0	16.0
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	72	60	59	42	36
	Females	78	51	63	32	28
National	Males	64	49	51	34	28
	Females	69	41	53	26	22

Total Students in Report: 20,526

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	18,170	79	22.6	58	22.6	64	23.1	39	22.2	34	22.7
	Less than Core	1,915	50	18.4	29	19.1	38	19.5	20	19.0	16	19.1
	Missing ³	441	59	18.9	34	19.7	45	20.1	19	19.5	15	19.7
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	19,836	76	22.2	19,595	57	22.5	19,438	62	22.8	19,068	38	22.1
	Less than Core	267	56	19.0	502	6	16.0	664	56	22.0	1,024	10	17.1
	Missing ³	423	60	18.9	429	34	19.7	424	46	20.1	434	19	19.4
National	Core or More	1,510,179	68	20.9	1,494,425	47	21.4	1,424,252	54	21.6	1,367,777	33	21.4
	Less than Core	66,225	40	16.6	79,145	8	16.4	149,746	40	19.7	205,148	12	18.3
	Missing	46,708	39	16.5	49,542	21	18.1	49,114	28	17.9	50,187	13	17.8

¹ "Curriculum Taken" reflects content-specific curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

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

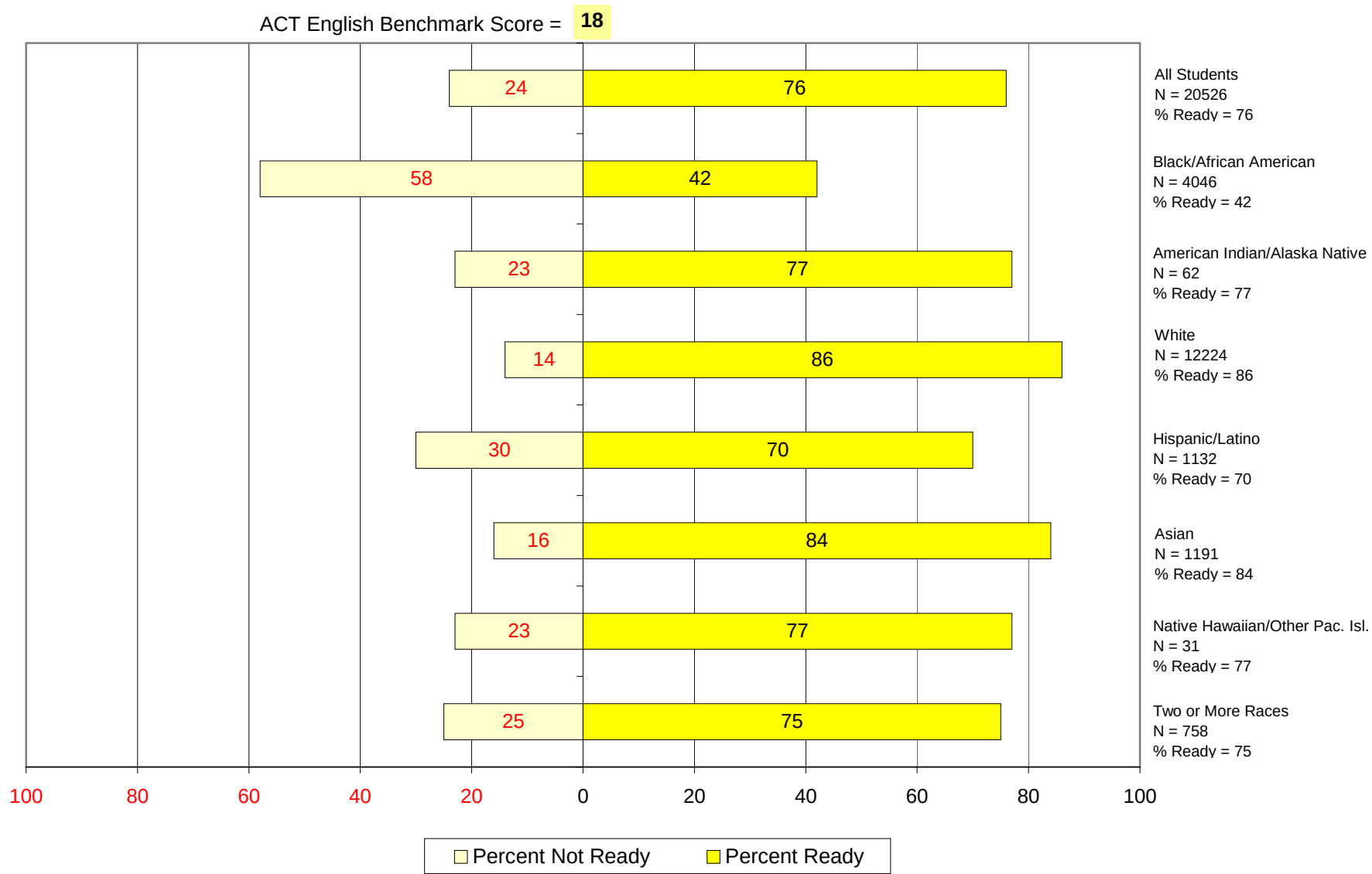
³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

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

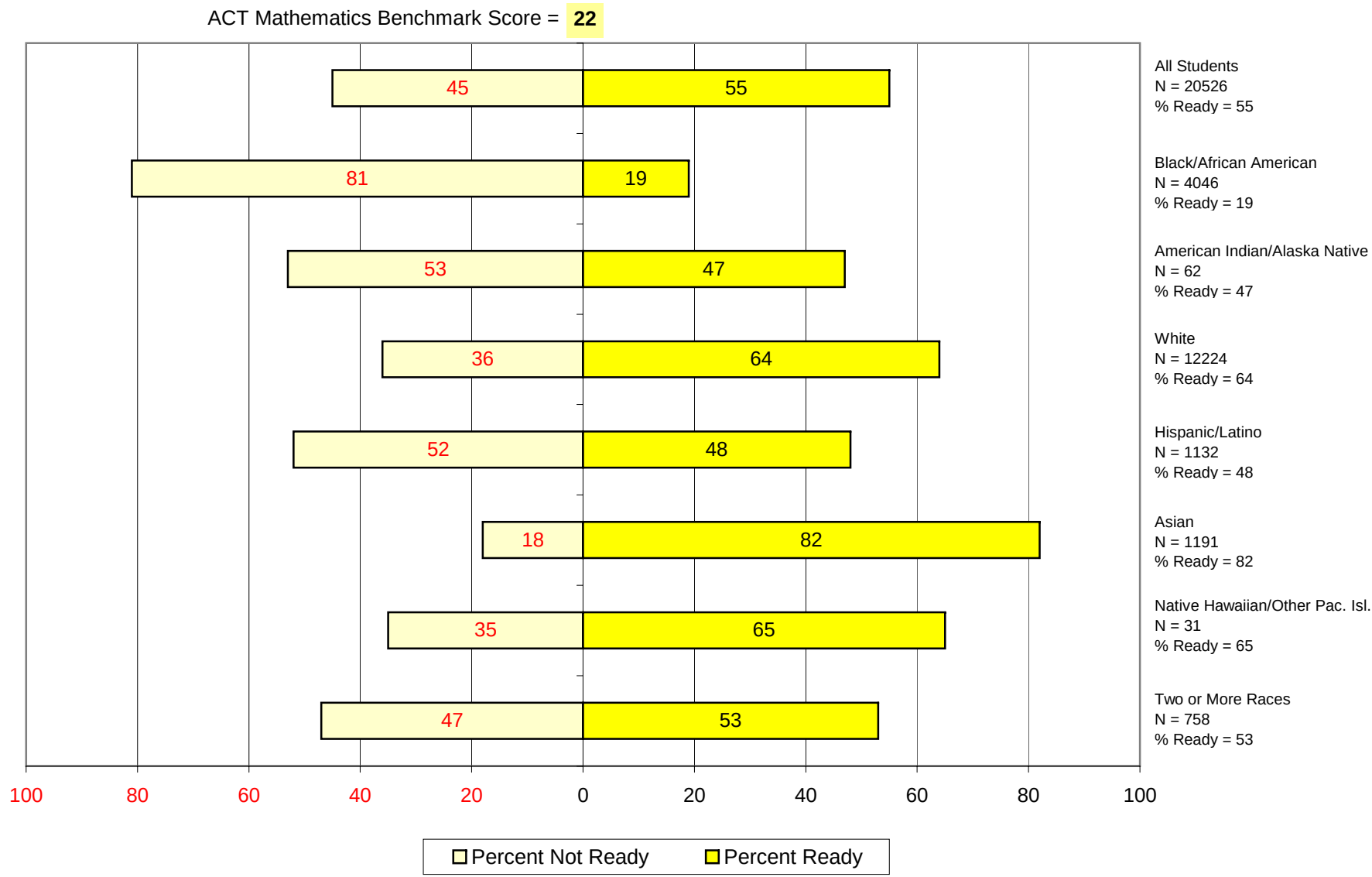
Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ENGLISH



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

Total Students in Report: 20,526

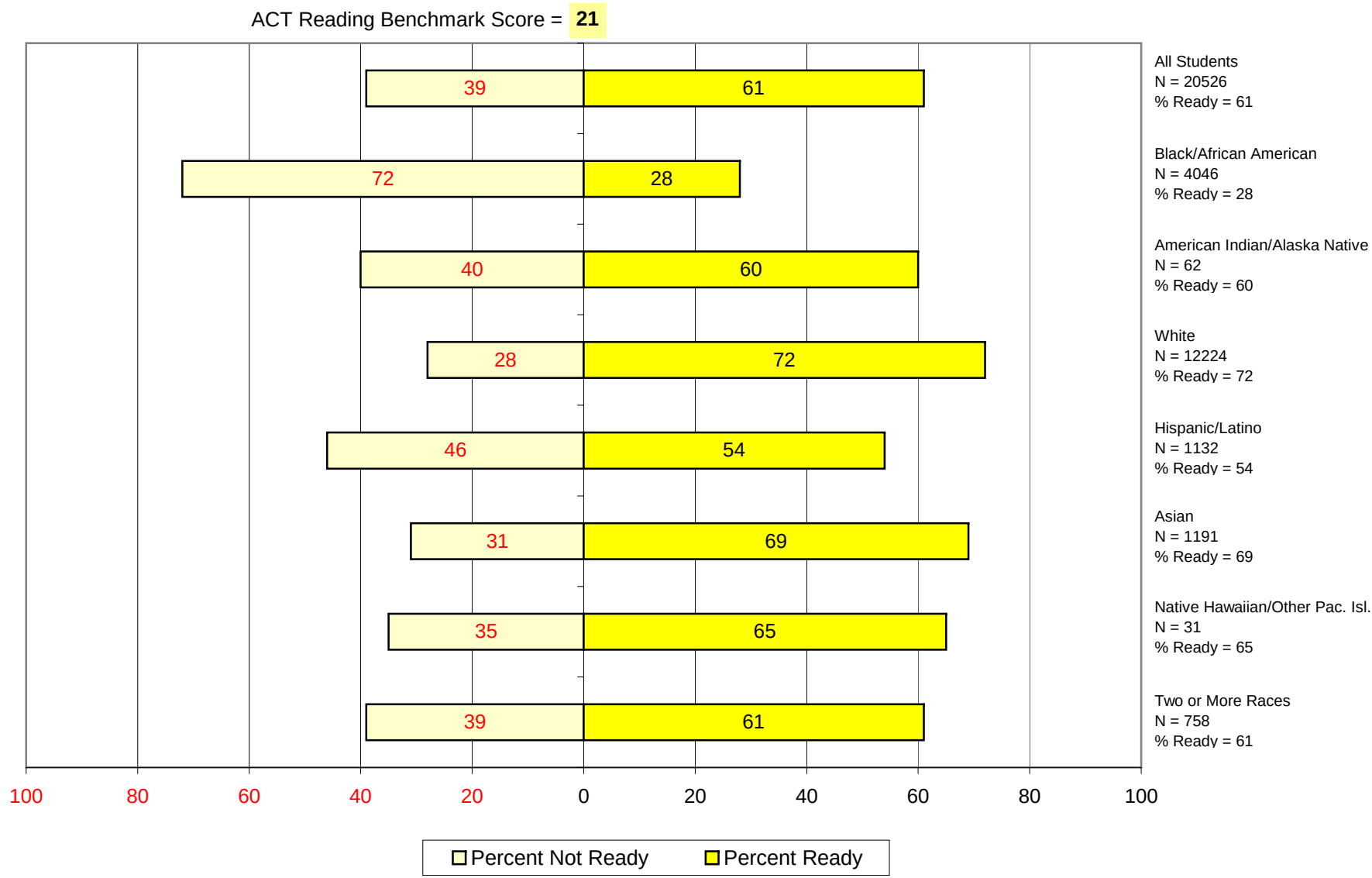
Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: MATHEMATICS



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

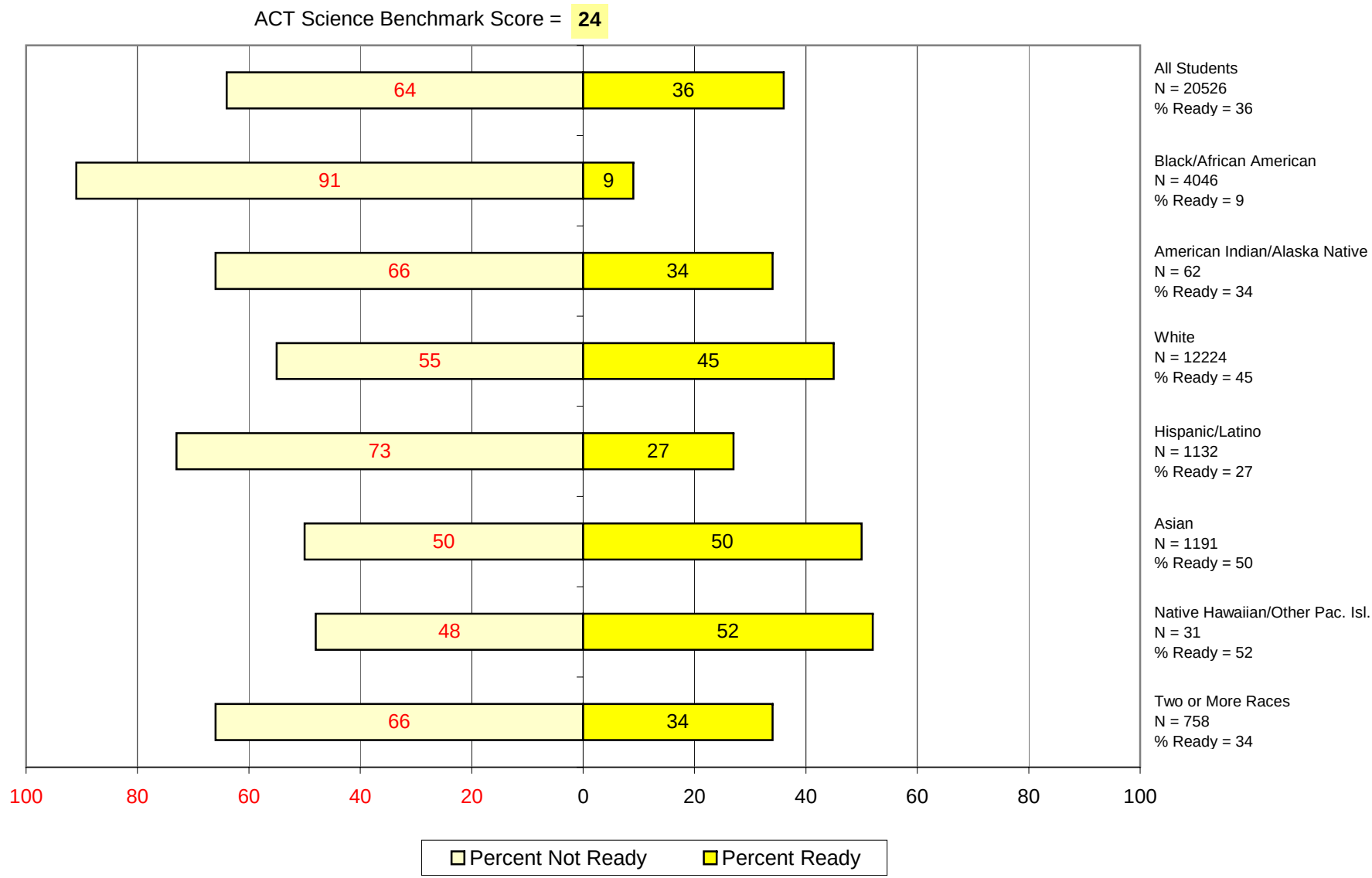
Total Students in Report: 20,526

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.

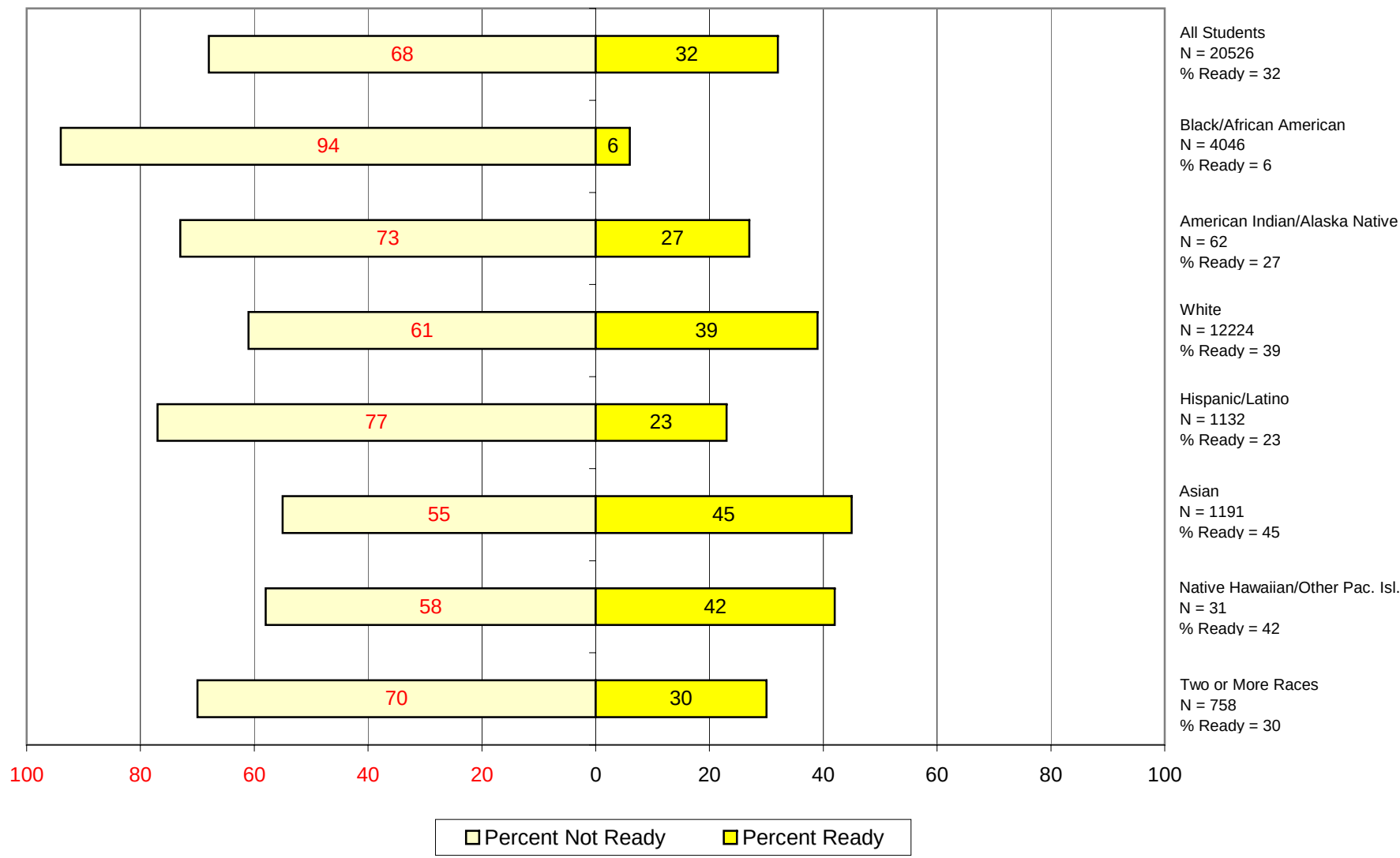
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: SCIENCE



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

Total Students in Report: 20,526

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: 20,526

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	3,944	19	22.8	3.8	1,573	18	22.2	3.4	2,371	20	23.3	4.2
Eng 9, Eng 10, Eng 11, Eng 12	15,892	77	22.1	3.1	6,912	78	21.6	2.8	8,980	77	22.4	3.3
Less than 4 years of English	267	1	19.0	-	120	1	18.8	-	147	1	19.1	-
Zero years / no English courses reported	423	2	18.9	-	228	3	18.3	-	194	2	19.7	-
MATHEMATICS COURSE PATTERN												
	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹	N	Percent	ACT Math	Course Value Added ¹
Alg 1, Alg 2, Geom, Trig, & Calc	1,981	10	25.2	9.2	794	9	25.8	9.8	1,187	10	24.9	9.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,639	13	22.1	6.1	909	10	22.6	6.6	1,730	15	21.8	5.9
Alg 1, Alg 2, Geom, & Trig	1,671	8	19.8	3.8	657	7	20.3	4.3	1,014	9	19.5	3.6
Alg 1, Alg 2, Geom, & Other Adv Math	2,675	13	19.9	3.9	1,004	11	20.2	4.2	1,671	14	19.8	3.9
Other comb of 4 or more years of Math	8,079	39	24.7	8.7	3,937	45	25.4	9.4	4,142	35	24.0	8.1
Alg 1, Alg 2, & Geom	1,833	9	17.1	1.1	730	8	17.4	1.4	1,103	9	16.9	1.0
Other comb of 3 or 3.5 years of Math	717	3	20.0	4.0	333	4	20.7	4.7	384	3	19.5	3.6
Less than 3 years of Math	502	2	16.0	-	239	3	16.0	-	263	2	15.9	-
Zero years / no Math courses reported	429	2	19.7	-	230	3	20.2	-	198	2	19.2	-
SOCIAL SCIENCE COURSE PATTERN												
	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹	N	Percent	ACT Reading	Course Value Added ¹
US Hist, World Hist, Am Gov, & Other Hist	2,605	13	23.0	1.0	1,241	14	22.7	1.6	1,364	12	23.4	0.7
Other comb of 4 or more years Social Science	8,867	43	23.2	1.2	3,728	42	23.0	1.9	5,139	44	23.3	0.6
US Hist, World Hist, & Am Gov	2,814	14	21.9	-0.1	1,231	14	21.5	0.4	1,583	14	22.1	-0.6
Other comb of 3 or 3.5 years of Social Science	5,152	25	22.5	0.5	2,105	24	22.1	1.0	3,047	26	22.7	0.0
Less than 3 years of Social Science	664	3	22.0	-	300	3	21.1	-	364	3	22.7	-
Zero years / no Social Science courses reported	424	2	20.1	-	228	3	19.7	-	195	2	20.7	-
NATURAL SCIENCE COURSE PATTERN												
	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹	N	Percent	ACT Science	Course Value Added ¹
Gen Sci ² , Bio, Chem, & Phys	11,235	55	22.8	5.7	5,272	60	23.4	6.5	5,963	51	22.4	5.1
Bio, Chem, Phys	1,733	8	24.8	7.7	723	8	25.6	8.7	1,010	9	24.2	6.9
Gen Sci ² , Bio, Chem	5,696	28	20.2	3.1	1,961	22	20.2	3.3	3,735	32	20.1	2.8
Other comb of 3 years of Natural Science	404	2	18.5	1.4	183	2	19.0	2.1	221	2	18.1	0.8
Less than 3 years of Natural Science	1,024	5	17.1	-	459	5	16.9	-	565	5	17.3	-
Zero years / no Natural Science courses reported	434	2	19.4	-	235	3	19.6	-	198	2	19.2	-

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: 20,526

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	3,944	19	22.8	79	366,770	23	21.8	74
Eng 9, Eng 10, Eng 11, Eng 12	15,892	77	22.1	76	1,143,409	70	20.6	66
Less than 4 years of English	267	1	19.0	56	66,225	4	16.6	40
Zero years / no English courses reported	423	2	18.9	60	46,708	3	16.5	39
MATHEMATICS COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	1,981	10	25.2	81	102,806	6	24.2	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,639	13	22.1	58	147,655	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	1,671	8	19.8	34	115,939	7	19.7	34
Alg 1, Alg 2, Geom, & Other Adv Math	2,675	13	19.9	37	271,304	17	19.9	36
Other comb of 4 or more years of Math	8,079	39	24.7	74	539,241	33	23.8	66
Alg 1, Alg 2, & Geom	1,833	9	17.1	10	238,527	15	17.3	12
Other comb of 3 or 3.5 years of Math	717	3	20.0	36	78,953	5	19.9	35
Less than 3 years of Math	502	2	16.0	6	79,145	5	16.4	8
Zero years / no Math courses reported	429	2	19.7	34	49,542	3	18.1	21
SOCIAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	2,605	13	23.0	63	47,284	3	22.5	59
Other comb of 4 or more years Social Science	8,867	43	23.2	65	845,170	52	21.9	56
US Hist, World Hist, & Am Gov	2,814	14	21.9	55	86,167	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	5,152	25	22.5	60	445,631	27	21.1	51
Less than 3 years of Social Science	664	3	22.0	56	149,746	9	19.7	40
Zero years / no Social Science courses reported	424	2	20.1	46	49,114	3	17.9	28
NATURAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	11,235	55	22.8	44	686,167	42	22.1	39
Bio, Chem, Phys	1,733	8	24.8	62	160,020	10	23.1	46
Gen Sci ¹ , Bio, Chem	5,696	28	20.2	22	476,294	29	20.1	21
Other comb of 3 years of Natural Science	404	2	18.5	14	45,296	3	19.6	20
Less than 3 years of Natural Science	1,024	5	17.1	10	205,148	13	18.3	12
Zero years / no Natural Science courses reported	434	2	19.4	19	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: 20,526

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	189	1	21.3	6	4	17.7	166	1	21.5
Architecture	243	1	22.7	2	1	16.5	217	1	22.8
Area, Ethnic, & Multidisciplinary Studies	62	0	25.0	1	1	18.0	50	0	25.1
Arts: Visual & Performing	1,162	6	21.8	13	8	18.3	1,045	6	21.9
Business	2,233	11	21.4	27	17	16.6	2,013	11	21.5
Communications	629	3	21.7	0	0	.	583	3	21.8
Community, Family, & Personal Services	298	1	19.1	8	5	17.1	272	2	19.1
Computer Science & Mathematics	636	3	22.8	8	5	17.5	570	3	22.9
Education	1,219	6	21.0	4	3	15.5	1,112	6	21.0
Engineering	1,509	7	24.4	6	4	16.7	1,382	8	24.5
Engineering Technology & Drafting	498	2	23.1	4	3	17.5	446	2	23.2
English & Foreign Languages	330	2	25.7	0	0	.	304	2	25.6
Health Administration & Assisting	291	1	18.4	7	5	14.7	253	1	18.7
Health Sciences & Technologies	3,106	15	21.9	18	12	16.9	2,865	16	21.9
Philosophy, Religion, & Theology	104	1	22.9	1	1	26.0	94	1	23.1
Repair, Production, & Construction	54	0	18.4	7	5	17.4	38	0	18.9
Sciences: Biological & Physical	1,863	9	24.2	2	1	18.5	1,709	10	24.1
Social Sciences & Law	2,034	10	22.4	6	4	15.0	1,866	10	22.4
Undecided	3,499	17	22.6	34	22	17.1	2,805	16	22.8
No Response	567	3	20.4	1	1	16.0	165	1	22.2

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: 20,526

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	42	18.2	13	14.3	0	.	19	18.9	4	24.0
2-yr College Degree	113	16.5	47	14.5	0	.	54	18.6	4	16.0
Bachelors Degree	7,761	20.6	1,658	16.5	23	19.9	4,863	21.9	404	20.1
Graduate Study	4,950	23.8	641	19.1	12	24.4	3,331	24.7	258	22.6
Prof. Level Degree	5,244	24.0	1,119	19.4	17	23.5	2,719	25.7	354	22.4
Other	194	19.5	62	16.1	3	20.7	85	21.4	11	20.9
No Response	2,222	21.9	506	16.7	7	21.6	1,153	23.8	97	19.7

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Other Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	42	18.2	3	21.0	0	.	1	16.0	2	21.5
2-yr College Degree	113	16.5	0	.	0	.	6	15.0	2	13.0
Bachelors Degree	7,761	20.6	265	21.5	17	22.2	268	20.3	263	20.7
Graduate Study	4,950	23.8	245	25.0	7	22.0	178	23.5	278	24.3
Prof. Level Degree	5,244	24.0	493	25.8	4	27.0	225	23.9	313	25.0
Other	194	19.5	15	20.5	0	.	4	18.8	14	21.0
No Response	2,222	21.9	170	24.5	3	24.7	76	22.0	210	23.3

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

Total Students in Report: 20,526

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	2,948	852	2,096	1	3	14	33	33	15	1
VIRGINIA TECH	Virginia	2,686	968	1,718	0	2	8	28	36	23	2
UNIVERSITY OF VIRGINIA	Virginia	2,061	612	1,449	0	2	6	19	33	34	6
VIRGINIA COMMONWEALTH UNIVERSITY	Virginia	1,997	541	1,456	2	9	27	33	21	7	1
OLD DOMINION UNIVERSITY	Virginia	1,798	475	1,323	3	12	34	32	15	4	0
GEORGE MASON UNIVERSITY	Virginia	1,735	445	1,290	1	4	20	35	28	10	1
CHRISTOPHER NEWPORT UNIVERSITY	Virginia	1,198	299	899	1	4	23	37	25	9	0
RADFORD UNIVERSITY	Virginia	1,137	302	835	1	10	32	37	17	3	0
COLLEGE OF WILLIAM AND MARY	Virginia	1,135	332	803	0	1	5	14	33	41	6
LONGWOOD UNIVERSITY	Virginia	843	206	637	1	6	30	43	17	4	0
UNIVERSITY OF MARY WASHINGTON	Virginia	692	127	565	0	3	13	36	29	16	1
VIRGINIA STATE UNIVERSITY	Virginia	555	154	401	9	38	39	11	2	0	0
NORFOLK STATE UNIVERSITY	Virginia	536	201	335	12	36	37	13	2	0	0
NCAA ELIGIBILITY CENTER	Indiana	497	291	206	4	14	34	25	14	9	0
LIBERTY UNIVERSITY	Virginia	490	250	240	3	9	30	31	18	8	1
HAMPTON UNIVERSITY	Virginia	396	117	279	6	21	44	21	7	1	0
UNIVERSITY OF RICHMOND	Virginia	383	86	297	3	4	15	22	30	21	4
EAST CAROLINA UNIVERSITY	North Carolina	343	89	254	1	8	24	39	24	4	1
LYNCHBURG COLLEGE	Virginia	293	72	221	2	9	33	35	17	4	0
VIRGINIA MILITARY INSTITUTE	Virginia	287	128	159	1	4	22	34	30	8	0
BRIDGEWATER COLLEGE	Virginia	286	73	213	1	8	29	35	22	3	0
WEST VIRGINIA UNIVERSITY	West Virginia	286	91	195	1	7	30	36	21	5	0
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	277	67	210	1	2	4	18	33	37	5
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	264	55	209	0	1	8	29	42	18	2
FERRUM COLLEGE	Virginia	254	77	177	3	26	37	27	6	0	0
ROANOKE COLLEGE	Virginia	233	56	177	1	6	26	34	24	9	1
RANDOLPH-MACON COLLEGE	Virginia	209	40	169	1	8	30	32	24	5	0
VIRGINIA UNION UNIVERSITY	Virginia	205	42	163	11	38	39	10	2	0	0
HOWARD UNIVERSITY	District of Columbia	201	62	139	3	14	37	30	12	2	0
DUKE UNIVERSITY	North Carolina	197	58	139	1	2	5	17	22	42	13
All Other Institutions		13,726	3,783	9,943	2	7	18	25	26	19	3
Total		38,148	10,951	27,197	2	7	20	28	25	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: 20,526

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	13,919	905,035	23.1	21.5	7.2	7.1	22.1	20.8
Black/African American	2,277	112,251	17.7	16.7	6.4	6.3	17.3	16.5
American Indian/Alaska Native	42	5,519	22.5	18.4	7.6	6.5	21.9	18.0
White	8,512	522,234	24.5	23.2	7.4	7.3	23.3	22.2
Hispanic/Latino	813	128,599	21.6	18.4	7.3	6.8	21.0	18.2
Asian	973	51,829	24.3	23.8	7.7	7.6	23.4	22.9
Native Hawaiian/Other Pac. Isl.	19	1,332	23.5	19.7	7.4	7.2	22.4	19.5
Two or more races	509	27,722	23.2	21.6	7.2	7.0	22.1	20.8
Prefer not/No Response	774	55,549	24.4	21.3	7.5	7.0	23.3	20.5
Males	5,758	399,206	22.7	21.3	7.0	6.8	21.6	20.3
Females	8,160	503,699	23.4	21.8	7.4	7.3	22.5	21.1
Missing	1	2,130	14.0	17.6	8.0	6.2	16.0	17.1

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

