

ACT Profile Report - State

Graduating Class 2010
West Virginia



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This report provides information about the performance of your 2010 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 2010 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

18% 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: 11,569 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. 71% 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 4% of the cohort took less than three years of math courses. Of these students, 3% were college ready. 15% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 5% of these students were college ready. In comparison, 39% 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 23% of the cohort took less than three years of natural science courses. 12% of these students were college ready. In comparison, 29% 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 55% 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.

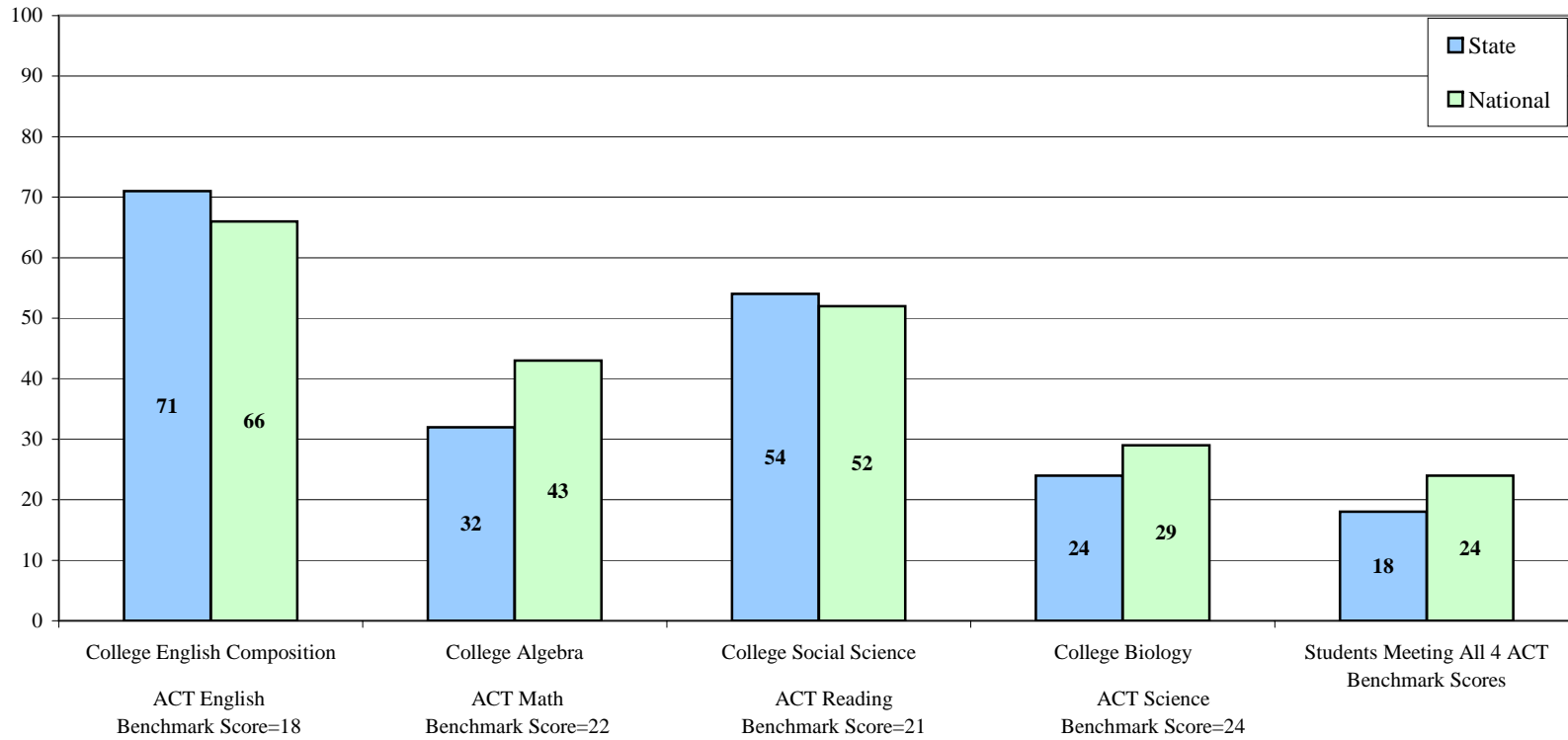
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 847-634-2560.

Section I

Executive Summary

Total Students in Report: 11,569

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: 11,569

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
2006	10,990	1,206,455	72	69	30	42	52	53	22	27	16	21
2007	11,480	1,300,599	72	69	30	43	50	53	22	28	16	23
2008	11,603	1,421,941	72	68	31	43	52	53	23	28	16	22
2009	11,696	1,480,469	71	67	30	42	54	53	25	28	17	23
2010	11,569	1,568,835	71	66	32	43	54	52	24	29	18	24

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
2006	10,990	1,206,455	20.8	20.6	19.6	20.8	21.2	21.4	20.5	20.9	20.6	21.1
2007	11,480	1,300,599	20.8	20.7	19.5	21.0	21.2	21.5	20.5	21.0	20.6	21.2
2008	11,603	1,421,941	20.8	20.6	19.6	21.0	21.4	21.4	20.5	20.8	20.7	21.1
2009	11,696	1,480,469	20.8	20.6	19.6	21.0	21.4	21.4	20.5	20.9	20.7	21.1
2010	11,569	1,568,835	20.7	20.5	19.6	21.0	21.3	21.3	20.6	20.9	20.7	21.0

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
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

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
2006	2,954	7,293	27	66	22.4	20.2	20.9	19.1	22.5	20.7	21.6	20.1	22.0	20.2
2007	2,846	7,401	25	64	22.4	20.1	21.1	18.9	22.7	20.6	21.9	20.0	22.1	20.1
2008	5,884	5,232	51	45	22.1	19.5	20.7	18.3	22.4	20.3	21.5	19.4	21.8	19.5
2009	7,564	3,879	65	33	21.9	19.0	20.5	17.9	22.3	19.9	21.4	19.0	21.7	19.1
2010	8,203	3,149	71	27	21.6	18.6	20.4	17.9	22.1	19.6	21.3	18.9	21.5	18.9

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.

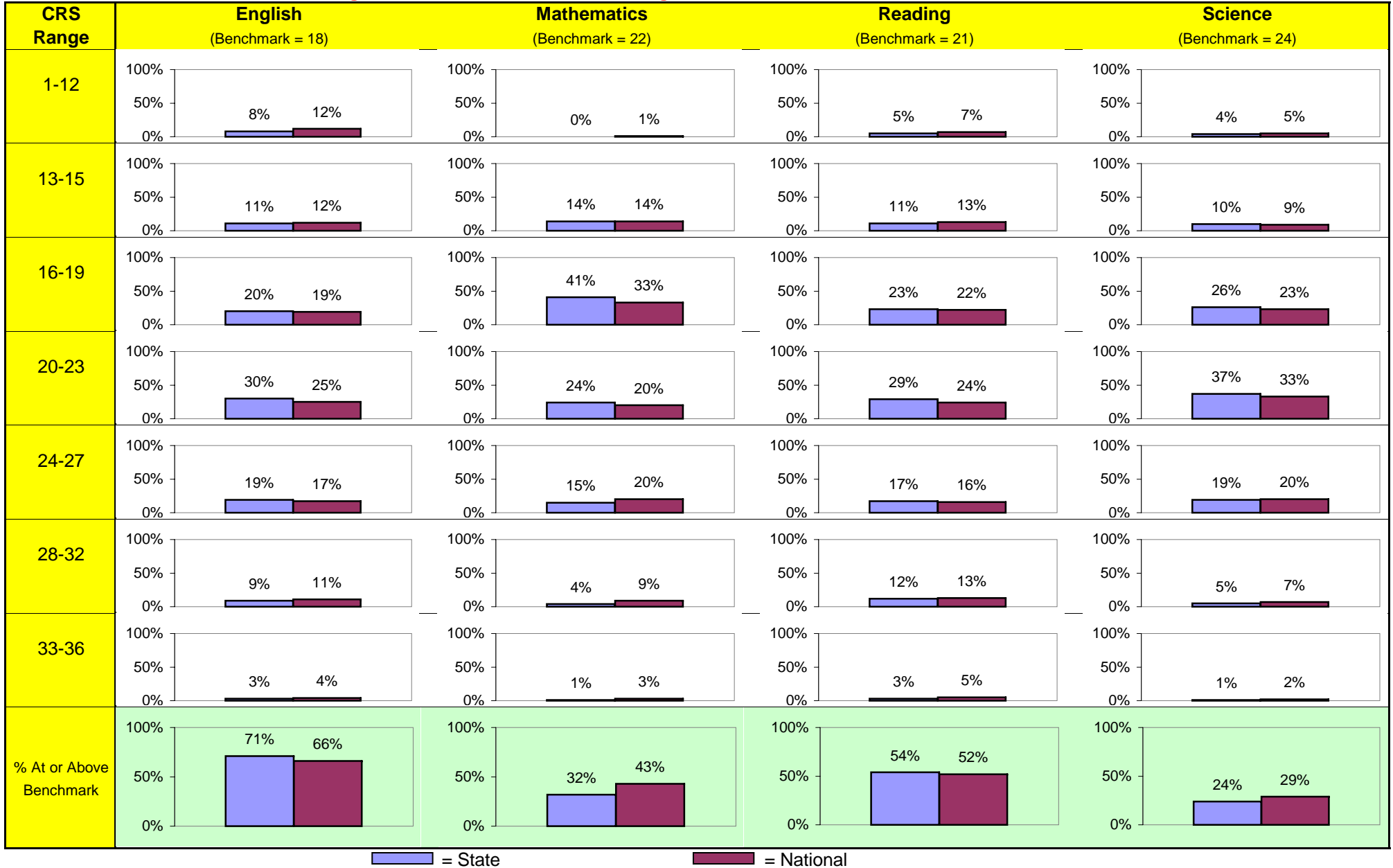
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2006			2007			2008			2009			2010		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	10,990	100	20.6	11,480	100	20.6	11,603	100	20.7	11,696	100	20.7	11,569	100	20.7
African American/Black	333	3	17.7	344	3	17.5	374	3	17.3	391	3	17.5	418	4	17.4
American Indian/Alaska Native	47	0	20.3	44	0	19.6	38	0	19.7	41	0	19.8	46	0	20.5
Caucasian American/White	9,600	87	20.7	9,825	86	20.7	10,366	89	20.7	10,503	90	20.8	10,374	90	20.8
Hispanic	86	1	21.3	84	1	20.6	88	1	20.1	120	1	20.2	102	1	19.4
Asian American/Pacific Islander	110	1	23.4	85	1	23.0	82	1	23.5	126	1	23.3	113	1	23.4
Other/No Response	814	7	20.8	1,098	10	21.1	655	6	21.3	515	4	20.9	516	4	20.5

Total Students in Report: 11,569

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



Section II

Academic Achievement

Total Students in Report: 11,569

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	21	100	8	100	48	100	13	100	3	100	36
35	77	100	25	100	47	100	28	100	5	100	35
34	99	99	39	100	140	99	21	100	25	100	34
33	107	98	37	99	159	98	48	99	43	100	33
32	108	97	56	99	142	97	28	99	50	99	32
31	139	96	40	99	237	95	72	99	107	99	31
30	248	95	87	98	301	93	114	98	168	98	30
29	205	93	97	97	331	91	129	97	170	97	29
28	343	91	185	97	369	88	184	96	264	95	28
27	314	88	236	95	379	85	301	94	340	93	27
26	539	86	355	93	449	81	423	92	533	90	26
25	606	81	504	90	528	78	694	88	553	85	25
24	751	76	678	86	624	73	778	82	781	80	24
23	657	69	696	80	654	68	1,041	76	840	74	23
22	878	64	663	74	979	62	818	67	912	66	22
21	962	56	610	68	814	53	1,189	59	845	59	21
20	933	48	750	63	864	46	1,179	49	940	51	20
19	667	40	660	56	788	39	1,008	39	1,030	43	19
18	534	34	857	51	554	32	832	30	1,003	34	18
17	545	29	1,468	43	695	27	658	23	853	26	17
16	602	25	1,801	30	648	21	489	17	727	18	16
15	627	19	1,108	15	453	16	455	13	543	12	15
14	416	14	428	5	559	12	348	9	408	7	14
13	263	10	130	2	263	7	303	6	240	4	13
12	264	8	43	1	276	5	183	4	140	2	12
11	252	6	3	1	172	2	123	2	36	1	11
10	178	4	4	1	54	1	71	1	9	1	10
9	128	2	1	1	18	1	23	1	1	1	9
8	72	1	0	1	14	1	10	1	0	1	8
7	24	1	0	1	5	1	2	1	0	1	7
6	9	1	0	1	5	1	3	1	0	1	6
5	1	1	0	1	0	1	0	1	0	1	5
4	0	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	1
Avg (SD)	20.7 (5.7)		19.6 (4.3)		21.3 (5.6)		20.6 (4.4)		20.7 (4.4)		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: 11,569

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		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	321	100	80	100	179	100	316	100	196	100	37	100	35	100	18
17	300	97	46	99	313	98	602	97	306	98	39	100	24	100	17
16	428	95	455	99	600	96	656	92	376	96	141	99	128	99	16
15	700	91	710	95	695	91	800	86	486	92	165	98	262	98	15
14	655	85	722	89	721	85	716	79	616	88	570	97	507	96	14
13	841	79	1,026	83	791	78	958	73	693	83	775	92	902	92	13
12	923	72	1,572	74	1,280	71	1,028	65	1,013	77	1,038	85	1,033	84	12
11	1,184	64	1,419	60	1,288	60	1,297	56	1,137	68	1,596	76	1,503	75	11
10	1,564	54	1,387	48	1,355	49	1,116	45	1,298	58	1,787	62	1,836	62	10
9	1,241	40	1,333	36	1,512	38	859	35	1,027	47	2,406	47	1,778	46	9
8	882	29	1,011	24	1,053	25	933	28	1,693	38	1,308	26	1,491	31	8
7	886	22	689	16	975	15	668	20	1,653	24	874	15	764	18	7
6	646	14	378	10	428	7	774	14	752	9	250	7	622	11	6
5	510	9	343	6	219	3	496	7	200	3	331	5	275	6	5
4	264	4	278	3	83	1	246	3	85	1	100	2	179	4	4
3	176	2	110	1	61	1	74	1	24	1	120	1	115	2	3
2	45	1	9	1	15	1	30	1	14	1	7	1	104	1	2
1	3	1	1	1	1	1	0	1	0	1	25	1	11	1	1
Avg (SD)	10.4 (3.6)		10.6 (3.1)		10.8 (3.2)		11.0 (3.7)		10.2 (3.2)		9.9 (2.5)		9.7 (2.7)		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)	24	23	25	23	24
Q2 (50th Percentile)	21	18	21	21	20
Q1 (25th Percentile)	17	16	17	18	17

Total Students in Report: 11,569

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	11,569	71	21.5	18.9
	African American/Black	418	59	18.0	16.5
	American Indian/Alaska Native	46	67	21.9	17.0
	Caucasian American/White	10,374	72	21.6	19.0
	Hispanic	102	67	20.3	17.5
	Asian American/Pacific Islander	113	78	24.4	20.2
	Other/No Response	516	64	21.6	19.2
National	All Students	1,568,835	71	22.0	18.9
	African American/Black	214,836	65	17.5	15.8
	American Indian/Alaska Native	16,382	60	20.2	17.4
	Caucasian American/White	979,329	74	23.1	20.0
	Hispanic	157,579	68	19.4	17.0
	Asian American/Pacific Islander	65,362	81	23.9	21.5
	Other/No Response	135,347	65	21.8	18.7

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.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	20.7	19.6	21.3	20.6	20.7
	African American/Black	16.4	17.0	17.7	17.8	17.4
	American Indian/Alaska Native	20.1	19.1	21.8	20.4	20.5
	Caucasian American/White	20.9	19.7	21.4	20.7	20.8
	Hispanic	18.6	18.6	20.5	19.3	19.4
	Asian American/Pacific Islander	23.7	23.1	23.8	22.8	23.4
	Other/No Response	20.4	19.5	21.3	20.3	20.5
National	All Students	20.5	21.0	21.3	20.9	21.0
	African American/Black	15.7	17.1	16.8	17.2	16.9
	American Indian/Alaska Native	17.9	18.8	19.4	19.3	19.0
	Caucasian American/White	22.0	22.0	22.6	22.0	22.3
	Hispanic	17.3	19.0	18.7	18.7	18.6
	Asian American/Pacific Islander	22.6	24.7	22.9	23.0	23.4
	Other/No Response	20.0	20.7	20.9	20.4	20.6

Total Students in Report: 11,569

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	304	3	109	1	394	3	110	1
	28 to 32	1,043	9	465	4	1,380	12	527	5
	24 to 27	2,210	19	1,773	15	1,980	17	2,196	19
	20 to 23	3,430	30	2,719	24	3,311	29	4,227	37
	16 to 19	2,348	20	4,786	41	2,685	23	2,987	26
	13 to 15	1,306	11	1,666	14	1,275	11	1,106	10
	01 to 12	928	8	51	0	544	5	416	4
National	33 to 36	66,467	4	46,930	3	76,605	5	30,627	2
	28 to 32	165,254	11	142,908	9	211,021	13	111,377	7
	24 to 27	268,486	17	319,044	20	248,190	16	317,878	20
	20 to 23	386,648	25	318,678	20	383,226	24	513,801	33
	16 to 19	302,869	19	518,636	33	340,348	22	368,286	23
	13 to 15	191,597	12	213,176	14	201,824	13	148,317	9
	01 to 12	187,514	12	9,463	1	107,621	7	78,549	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	5,084	44	20.3	20.3	21.1	21.1	20.9
	Females	6,481	56	21.0	19.1	21.4	20.2	20.6
	Missing	4	0	17.3	16.8	23.0	18.5	19.0
National	Males	713,544	45	20.1	21.6	21.1	21.4	21.2
	Females	852,493	54	20.8	20.5	21.4	20.5	20.9
	Missing	2,798	0	16.2	17.9	17.7	17.9	17.5

Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	67	38	53	30	22
	Females	74	27	54	20	15
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 11,569

Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	8,203	77	21.6	39	20.4	59	22.1	29	21.3	22	21.5
	Less than Core	3,149	57	18.6	16	17.9	40	19.6	13	18.9	7	18.9
	Missing ³	217	37	16.5	10	16.6	29	17.8	9	17.7	6	17.2
National	Core or More	1,118,639	74	21.6	51	21.9	58	22.2	35	21.7	29	22.0
	Less than Core	397,685	50	18.1	26	18.9	37	19.2	17	19.0	13	18.9
	Missing	52,511	33	15.5	16	17.4	24	17.1	10	17.3	7	16.9

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	11,188	72	20.8	10,912	34	19.8	10,903	55	21.5	8,689	29	21.2
	Less than Core	212	55	18.7	467	3	15.9	478	37	19.2	2,688	12	18.8
	Missing ³	169	35	16.4	190	9	16.5	188	29	17.9	192	10	17.8
National	Core or More	1,451,549	69	20.8	1,423,506	47	21.4	1,366,601	54	21.6	1,290,372	33	21.5
	Less than Core	74,180	39	16.4	97,949	7	16.4	156,679	39	19.5	231,566	12	18.3
	Missing	43,106	34	15.7	47,380	16	17.5	45,555	25	17.3	46,897	10	17.4

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.

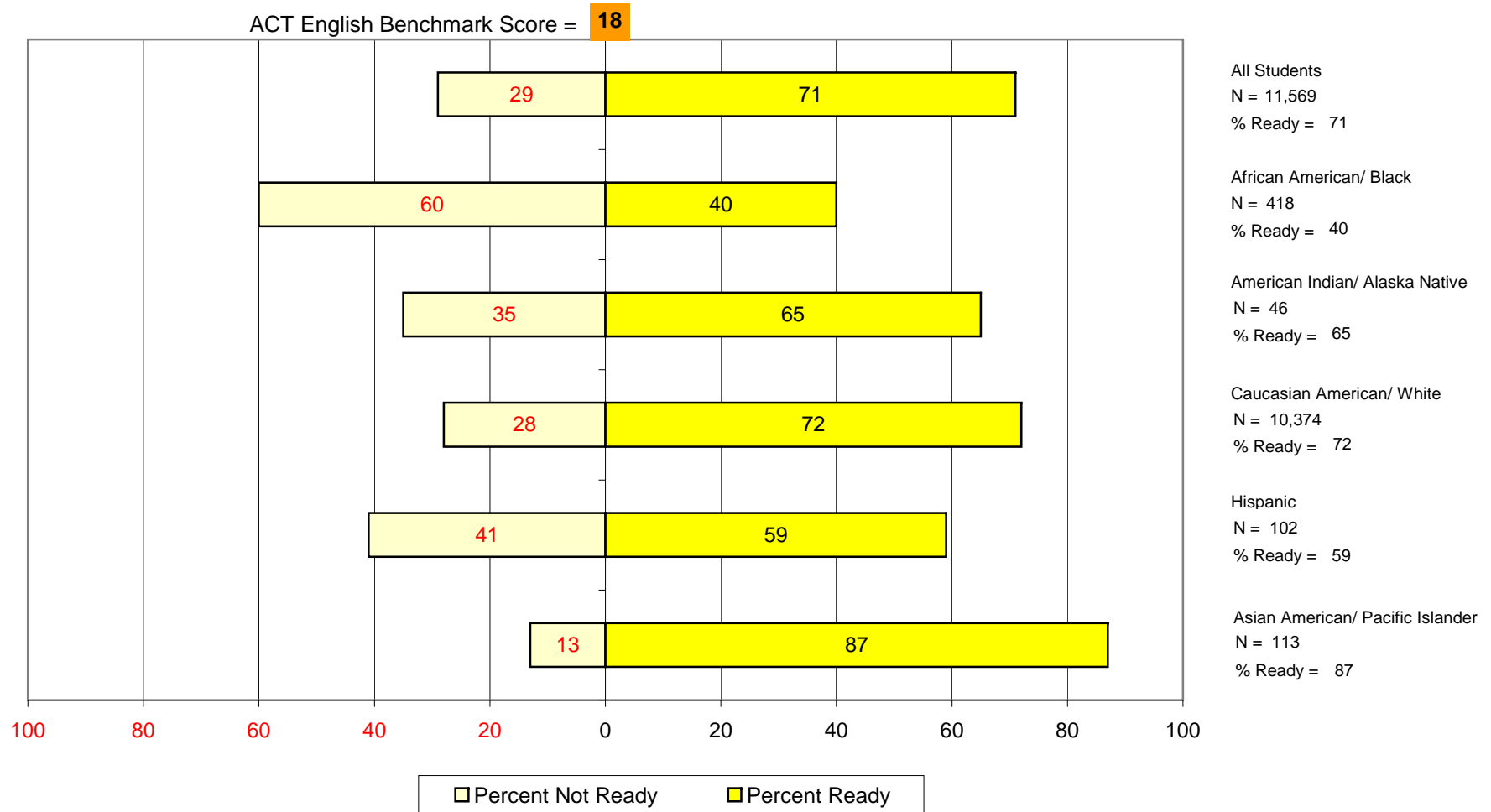
³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

Total Students in Report: 11,569

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

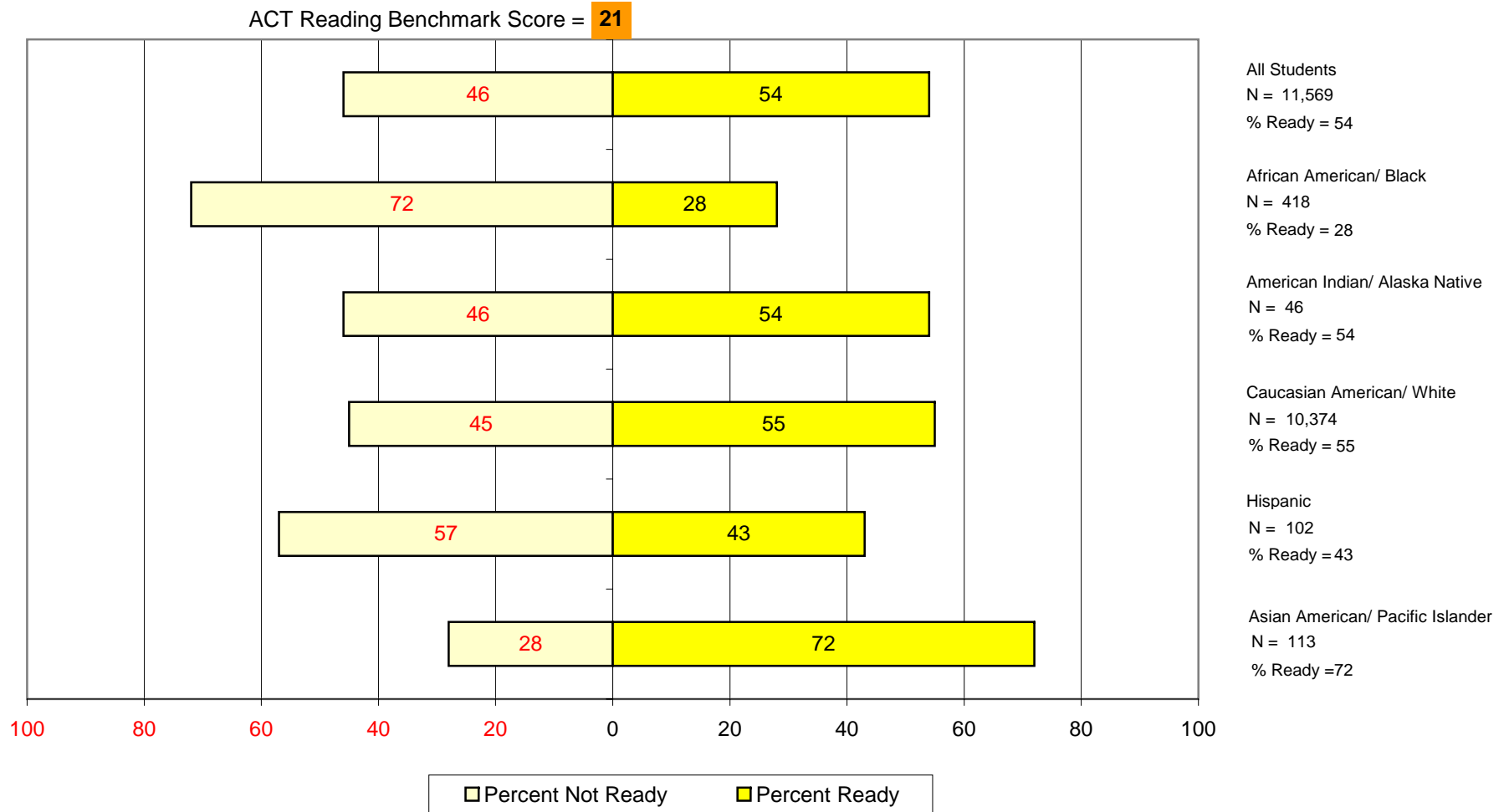


Total Students in Report: 11,569

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



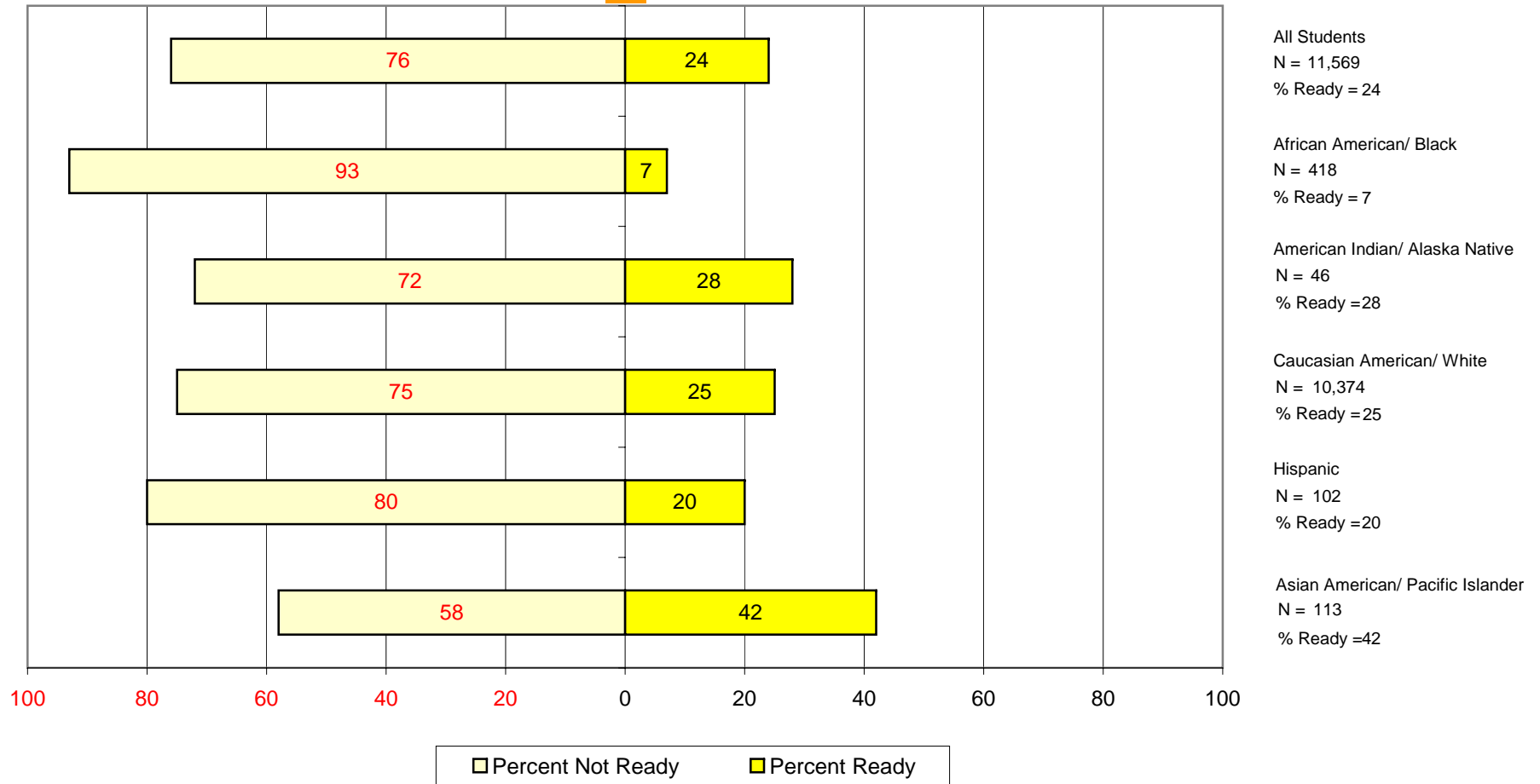
Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING



Total Students in Report: 11,569

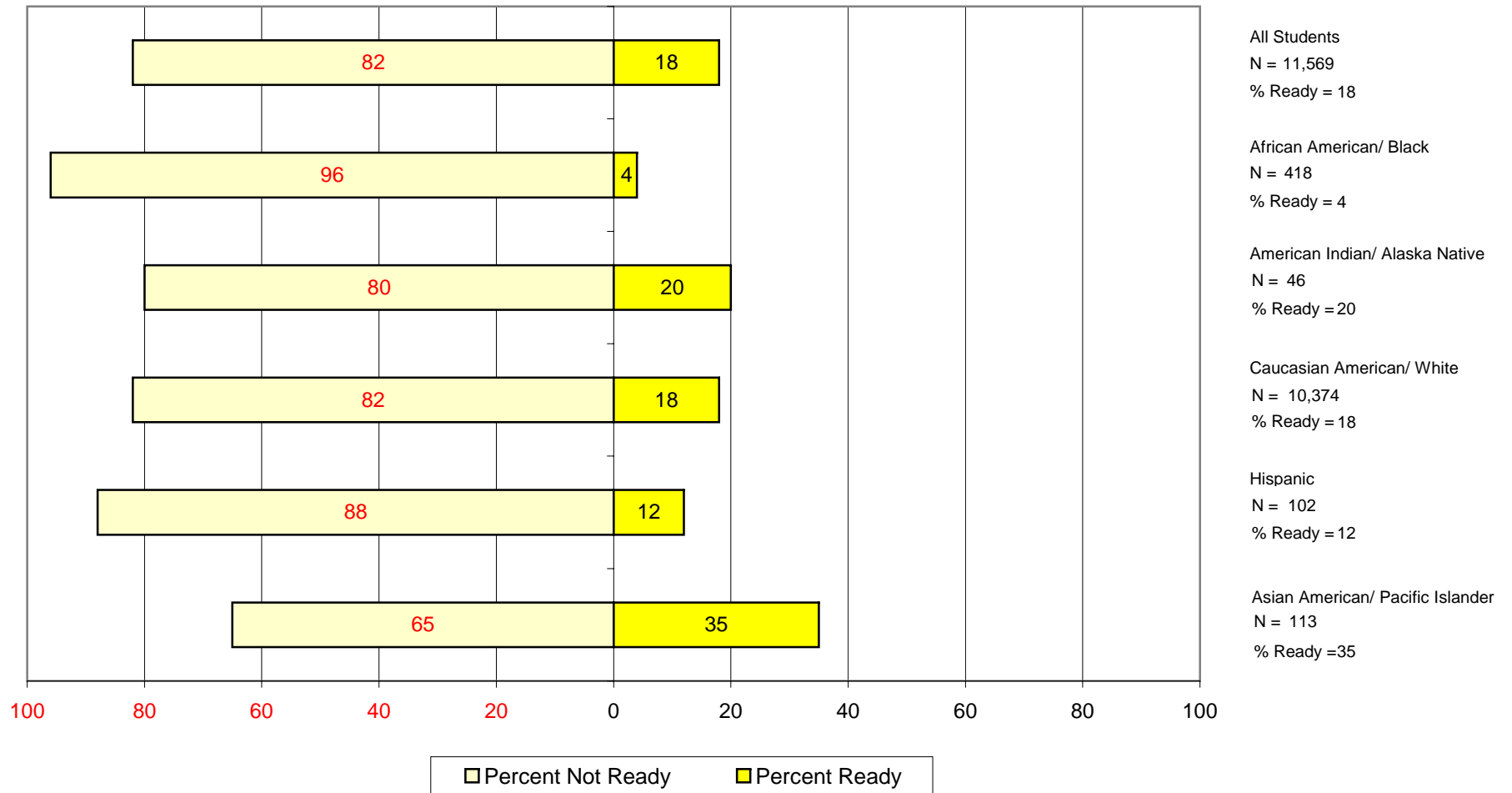
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24



Total Students in Report: 11,569

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



Total Students in Report: 11,569

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	2,803	24	22.1	3.4	1,124	22	21.5	3.4	1,679	26	22.5	3.5
Eng 9, Eng 10, Eng 11, Eng 12	8,385	72	20.4	1.7	3,767	74	20.1	2.0	4,615	71	20.6	1.6
Less than 4 years of English	212	2	18.7	-	81	2	18.1	-	130	2	19.0	-
Zero years / no English courses reported	169	1	16.4	-	112	2	16.3	-	57	1	16.5	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	691	6	22.4	6.5	316	6	23.4	7.1	375	6	21.6	6.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,672	14	20.8	4.9	629	12	21.2	4.9	1,042	16	20.5	4.9
Alg 1, Alg 2, Geom, & Trig	2,029	18	18.9	3.0	820	16	19.5	3.2	1,209	19	18.5	2.9
Alg 1, Alg 2, Geom, & Other Adv Math	1,401	12	17.9	2.0	517	10	18.5	2.2	883	14	17.6	2.0
Other comb of 4 or more years of Math	3,071	27	22.2	6.3	1,566	31	22.9	6.6	1,505	23	21.5	5.9
Alg 1, Alg 2, & Geom	1,712	15	16.6	0.7	731	14	17.1	0.8	980	15	16.2	0.6
Other comb of 3 or 3.5 years of Math	336	3	17.5	1.6	158	3	17.9	1.6	178	3	17.0	1.4
Less than 3 years of Math	467	4	15.9	-	221	4	16.3	-	245	4	15.6	-
Zero years / no Math courses reported	190	2	16.5	-	126	2	16.6	-	64	1	16.3	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,972	17	21.0	1.8	950	19	20.8	1.7	1,022	16	21.3	2.0
Other comb of 4 or more years Social Science	4,469	39	22.0	2.8	1,879	37	22.0	2.9	2,588	40	22.1	2.8
US Hist, World Hist, & Am Gov	1,841	16	20.8	1.6	836	16	20.8	1.7	1,005	16	20.7	1.4
Other comb of 3 or 3.5 years of Social Science	2,621	23	21.3	2.1	1,060	21	21.1	2.0	1,560	24	21.4	2.1
Less than 3 years of Social Science	478	4	19.2	-	236	5	19.1	-	241	4	19.3	-
Zero years / no Social Science courses reported	188	2	17.9	-	123	2	17.9	-	65	1	17.9	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	3,484	30	22.1	3.3	1,699	33	23.0	4.0	1,784	28	21.3	2.7
Bio, Chem, Phys	100	1	21.6	2.8	43	1	22.0	3.0	56	1	21.2	2.6
Gen Sci ² , Bio, Chem	4,541	39	20.5	1.7	1,717	34	20.8	1.8	2,824	44	20.3	1.7
Other comb of 3 years of Natural Science	564	5	21.0	2.2	324	6	21.8	2.8	240	4	19.9	1.3
Less than 3 years of Natural Science	2,688	23	18.8	-	1,173	23	19.0	-	1,513	23	18.6	-
Zero years / no Natural Science courses reported	192	2	17.8	-	128	3	18.2	-	64	1	17.0	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took less than four years and three years of English and non-English content areas, respectively.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 11,569

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	2,803	24	22.1	80	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	8,385	72	20.4	69	1,096,437	70	20.5	66
Less than 4 years of English	212	2	18.7	55	74,180	5	16.4	39
Zero years / no English courses reported	169	1	16.4	35	43,106	3	15.7	34
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	691	6	22.4	58	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,672	14	20.8	45	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	2,029	18	18.9	24	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	1,401	12	17.9	15	239,289	15	20.0	36
Other comb of 4 or more years of Math	3,071	27	22.2	55	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	1,712	15	16.6	5	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	336	3	17.5	12	74,720	5	19.9	35
Less than 3 years of Math	467	4	15.9	3	97,949	6	16.4	7
Zero years / no Math courses reported	190	2	16.5	9	47,380	3	17.5	16
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,972	17	21.0	51	47,523	3	22.6	60
Other comb of 4 or more years Social Science	4,469	39	22.0	59	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	1,841	16	20.8	49	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	2,621	23	21.3	53	439,520	28	21.2	51
Less than 3 years of Social Science	478	4	19.2	37	156,679	10	19.5	39
Zero years / no Social Science courses reported	188	2	17.9	29	45,555	3	17.3	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	3,484	30	22.1	37	620,765	40	22.2	40
Bio, Chem, Phys	100	1	21.6	36	152,001	10	23.2	48
Gen Sci ¹ , Bio, Chem	4,541	39	20.5	22	474,375	30	20.1	21
Other comb of 3 years of Natural Science	564	5	21.0	29	43,231	3	19.7	21
Less than 3 years of Natural Science	2,688	23	18.8	12	231,566	15	18.3	12
Zero years / no Natural Science courses reported	192	2	17.8	10	46,897	3	17.4	10

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 11,569

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

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture Sciences & Technologies	215	2	18.5	43	4	16.7	163	2	19.1
Architecture & Environmental Design	128	1	21.5	7	1	18.1	114	1	21.7
Business & Management	789	7	20.4	70	7	17.4	690	7	20.8
Business & Office	73	1	18.5	14	1	16.6	57	1	19.1
Marketing & Distribution	39	0	19.6	2	0	12.5	34	0	20.2
Communications & Comm. Technologies	214	2	21.6	12	1	16.5	192	2	22.1
Community & Personal Services	367	3	18.8	48	4	17.2	295	3	19.1
Computer & Information Sciences	283	2	21.1	27	3	17.6	238	2	21.7
Cross-Disciplinary Studies	9	0	21.0	1	0	15.0	8	0	21.8
Education	576	5	20.5	12	1	15.5	538	5	20.6
Teacher Education	423	4	19.9	13	1	16.8	397	4	20.0
Engineering	492	4	22.9	33	3	17.0	446	5	23.4
Engineering-Related Technologies	363	3	21.5	39	4	17.0	309	3	22.1
Foreign Languages	33	0	23.6	0	0	.	30	0	24.3
Health Sciences & Allied Health Fields	3,566	31	20.5	412	39	17.4	3,040	31	21.0
Human, Family & Consumer Science	173	1	18.3	36	3	16.2	130	1	19.0
Letters	53	0	25.0	1	0	16.0	47	0	25.3
Mathematics	44	0	23.9	1	0	19.0	42	0	24.2
Philosophy, Religion & Theology	48	0	21.6	1	0	17.0	42	0	21.8
Sciences (Biological & Physical)	591	5	23.2	11	1	19.5	563	6	23.3
Social Sciences	584	5	21.7	10	1	17.8	562	6	21.8
Trade & Industrial	134	1	17.0	91	9	16.4	35	0	18.7
Visual & Performing Arts	623	5	21.2	46	4	17.2	543	6	21.7
Undecided	1,490	13	20.5	122	11	16.6	1,264	13	21.0
No Response	259	2	17.6	16	1	15.6	42	0	18.1

¹2-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.

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

Total Students in Report: 11,569

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

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African American/Black		American Indian/Alaska Native		Caucasian American/White		Hispanic		Asian American/Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	141	16.7	5	14.2	1	12.0	129	16.8	0	.	1	18.0	5	18.8
2-yr College Degree	927	17.1	27	14.8	4	19.8	853	17.2	5	15.4	4	18.0	34	17.1
Bachelors Degree	4,856	20.1	167	17.1	17	19.4	4,447	20.2	33	18.8	31	20.9	161	19.7
Graduate Study	1,537	22.4	46	18.1	1	28.0	1,384	22.6	13	21.7	17	22.9	76	21.9
Prof. Level Degree	3,428	22.3	139	18.5	18	22.3	3,012	22.4	45	19.6	56	26.0	158	22.6
Other	241	18.0	15	16.1	1	19.0	208	18.0	2	19.0	1	11.0	14	19.1
No Response	439	18.9	19	15.5	4	18.3	341	19.3	4	19.8	3	18.0	68	17.9

Total Students in Report: 11,569

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
WEST VIRGINIA UNIVERSITY	West Virginia	4,460	2,106	2,354	1	6	26	34	24	8	1
MARSHALL UNIVERSITY	West Virginia	3,051	1,197	1,854	1	8	28	34	23	6	0
FAIRMONT STATE UNIVERSITY	West Virginia	1,913	587	1,326	2	10	35	32	17	4	0
CONCORD UNIVERSITY	West Virginia	1,025	328	697	2	12	33	30	19	4	0
SHEPHERD UNIVERSITY	West Virginia	706	272	434	2	8	31	31	22	7	1
WEST VIRGINIA STATE UNIVERSITY	West Virginia	665	175	490	2	14	36	32	13	3	0
WEST VIRGINIA WESLEYAN COLLEGE	West Virginia	661	161	500	1	6	24	36	26	7	0
WEST LIBERTY UNIVERSITY	West Virginia	643	219	424	1	9	35	34	17	3	0
UNIVERSITY OF CHARLESTON THE	West Virginia	565	116	449	2	7	29	32	23	7	0
GLENVILLE STATE COLLEGE	West Virginia	554	149	405	2	13	37	31	16	1	0
POTOMAC STATE COLLEGE OF WVU	West Virginia	470	184	286	4	16	37	31	10	3	0
WEST VIRGINIA UNIV INST OF TECHNOLOGY	West Virginia	465	136	329	2	13	33	33	14	5	0
WEST VIRGINIA UNIVERSITY AT PARKERSBURG	West Virginia	441	182	259	3	14	36	30	13	4	0
MOUNTAIN STATE UNIVERSITY	West Virginia	413	91	322	3	16	41	28	11	1	0
BLUEFIELD STATE COLLEGE	West Virginia	397	151	246	2	17	42	27	11	2	0
WEST VIRGINIA HIGHER EDUC GRANT PROGRAM	West Virginia	377	159	218	2	11	31	32	18	6	1
ALDERSON BROADDUS COLLEGE	West Virginia	366	86	280	1	7	29	37	23	2	0
NCAA ELIGIBILITY CENTER	Indiana	301	115	186	1	7	33	31	23	6	0
DAVIS AND ELKINS COLLEGE	West Virginia	288	78	210	1	14	38	30	14	3	0
SOUTHERN WEST VIRGINIA C TECH C-LOGAN	West Virginia	264	127	137	3	20	43	23	9	1	0
WHEELING JESUIT UNIVERSITY	West Virginia	251	61	190	0	5	28	34	24	7	1
OHIO STATE UNIVERSITY THE	Ohio	240	35	205	1	4	17	29	28	20	2
BETHANY COLLEGE	West Virginia	202	44	158	0	5	25	31	30	8	0
NEW RIVER COMMUNITY AND TECHNICAL COLL	West Virginia	179	65	114	4	22	43	26	4	1	0
UNIVERSITY OF KENTUCKY	Kentucky	177	30	147	1	6	15	34	28	15	1
VIRGINIA TECH	Virginia	172	24	148	0	4	16	30	26	21	3
WEST VIRGINIA NORTHERN COMMUNITY COLL	West Virginia	167	63	104	5	16	44	27	8	1	0
PIERPONT COMMUNITY & TECHNICAL COLLEGE	West Virginia	163	54	109	5	21	45	20	7	1	0
MOUNTWEST COMMUNITY & TECHNICAL COLLEGE	West Virginia	139	37	102	4	22	45	21	6	1	0
MARIETTA COLLEGE	Ohio	134	33	101	1	5	16	36	28	13	1
All Other Institutions		5,744	1,353	4,391	1	8	25	27	23	14	2
Total		25,593	8,418	17,175	2	9	29	31	21	8	1

Section V Optional Writing Test Results

Total Students in Report: 11,569

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

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
			State	National	State	National	State	National
All Students	3,479	869,014	22.1	21.4	6.4	7.1	20.5	20.8
African American/Black	111	107,638	16.9	16.4	5.9	6.4	16.3	16.4
American Indian/Alaska Native	14	6,232	20.6	18.9	6.4	6.6	19.4	18.4
Caucasian American/White	3,082	518,004	22.2	23.0	6.4	7.3	20.6	22.1
Hispanic	42	101,126	19.3	18.1	6.5	6.9	18.7	18.1
Asian American/Pacific Islander	57	49,922	26.6	23.6	7.5	7.7	24.9	22.9
Other/No Response	173	86,092	22.6	21.0	6.6	7.1	21.1	20.4
Males	1,495	384,152	21.9	21.1	6.1	6.9	20.1	20.3
Females	1,982	484,023	22.2	21.7	6.6	7.3	20.8	21.2
Missing	2	839	14.5	16.8	6.5	6.3	15.0	16.6

