

ACT High School Profile Report

The Graduating Class of 2008
West Virginia



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This report provides information about the performance of your 2008 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 2008 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, the graduating class data for a school, district, state, and the nation 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, state, or the nation.

Further, 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.

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

16% of 2008 graduates 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. 11,603 ACT-tested graduates 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. 51% 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 6% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 19% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 5% of these students were college ready. In comparison, 39% of the students who advanced beyond minimum core 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 41% of the cohort took less than three years of natural science courses. 14% of these students were college ready. In comparison, 30% 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 57% 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.

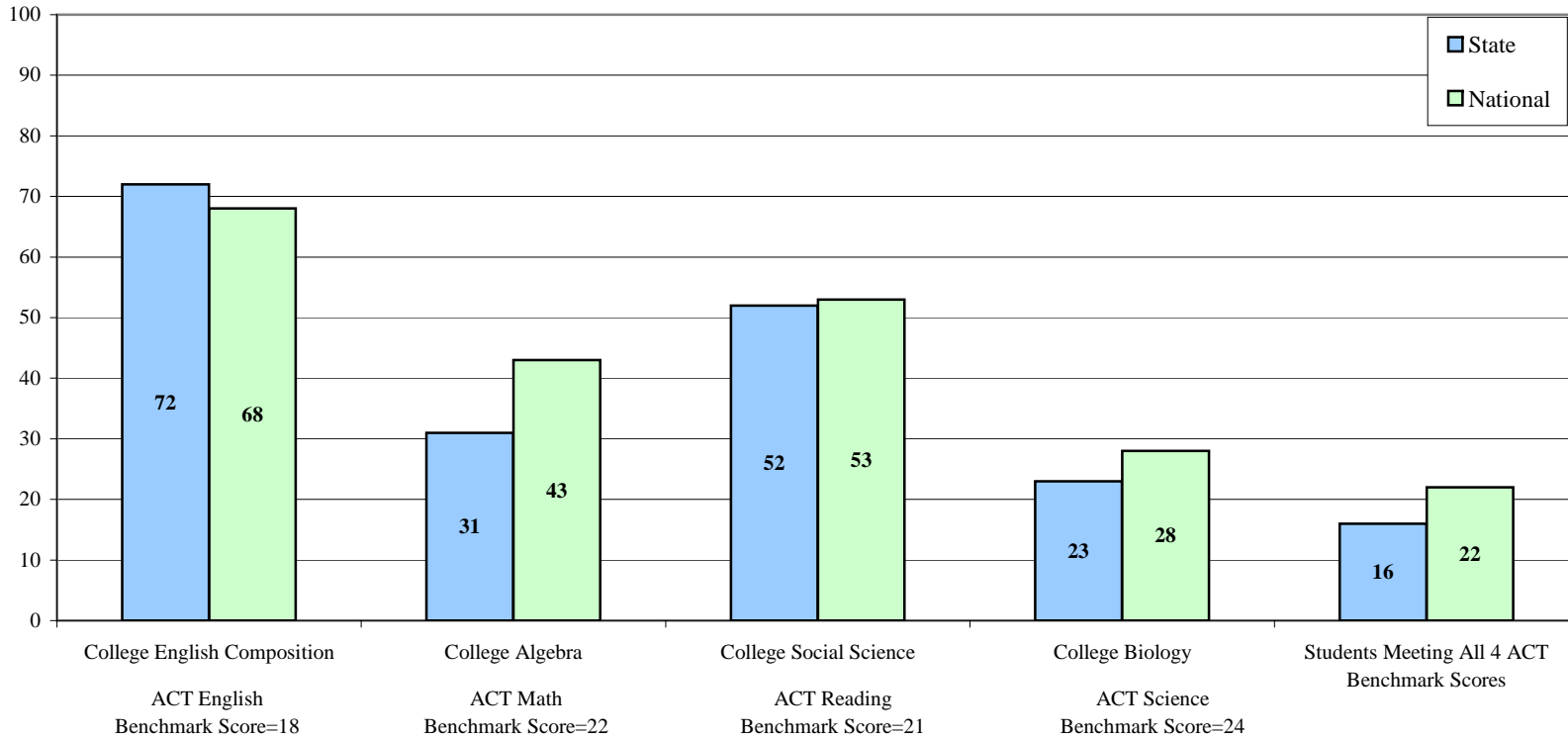
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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

Figure 1.1. Percent of ACT-Tested 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.

Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks

Grad 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
2004	11,486	1,171,460	71	68	28	40	51	52	21	26	14	21
2005	11,451	1,186,251	71	68	28	41	49	51	22	26	15	21
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

Table 1.2. Five Year Trends—Average ACT Scores

Grad 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
2004	11,486	1,171,460	20.6	20.4	19.4	20.7	21.1	21.3	20.3	20.9	20.5	20.9
2005	11,451	1,186,251	20.5	20.4	19.3	20.7	20.9	21.3	20.4	20.9	20.4	20.9
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2004	1,171,460	20.4	20.7	21.3	20.9	20.9
2005	1,186,251	20.4	20.7	21.3	20.9	20.9
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

Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation

Grad Year	Number of Students Tested		Percent ¹		Average ACT Scores									
	Core or More	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
2004	3,379	7,570	29	66	22.1	19.9	20.8	18.8	22.5	20.5	21.6	19.8	21.9	19.9
2005	3,183	7,578	28	66	22.1	20.0	20.7	18.8	22.3	20.4	21.5	20.0	21.8	19.9
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

¹Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five-Year Trends—Number, Percentage, and Average Composite Score for ACT-Tested Graduates by Race/Ethnicity

	2004			2005			2006			2007			2008		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	11,486	100	20.5	11,451	100	20.4	10,990	100	20.6	11,480	100	20.6	11,603	100	20.7
African American/Black	366	3	17.5	350	3	17.5	333	3	17.7	344	3	17.5	374	3	17.3
American Indian/Alaska Native	27	0	18.3	34	0	20.1	47	0	20.3	44	0	19.6	38	0	19.7
Caucasian American/White	10,287	90	20.5	10,274	90	20.5	9,600	87	20.7	9,825	86	20.7	10,366	89	20.7
Hispanic	73	1	20.1	65	1	19.8	86	1	21.3	84	1	20.6	88	1	20.1
Asian American/Pacific Islander	110	1	23.5	101	1	23.0	110	1	23.4	85	1	23.0	82	1	23.5
Other/No Response	623	5	20.7	627	5	20.8	814	7	20.8	1,098	10	21.1	655	6	21.3

Section II

Academic Achievement

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

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	
36	11	100	7	100	45	100	12	100	2	100	36
35	70	100	27	100	72	100	30	100	12	100	35
34	94	99	38	100	100	99	32	100	14	100	34
33	111	98	41	99	126	98	72	99	38	100	33
32	108	98	61	99	191	97	52	99	65	99	32
31	147	97	45	99	298	95	60	98	104	99	31
30	252	95	92	98	317	93	104	98	175	98	30
29	245	93	135	97	321	90	102	97	191	96	29
28	310	91	222	96	372	87	171	96	251	95	28
27	293	88	266	94	378	84	325	95	346	93	27
26	486	86	347	92	406	81	320	92	460	90	26
25	592	82	531	89	468	77	723	89	571	86	25
24	697	77	586	84	729	73	642	83	707	81	24
23	670	71	566	79	772	67	827	77	792	75	23
22	896	65	590	74	637	60	1,159	70	904	68	22
21	1,130	57	715	69	841	55	834	60	913	60	21
20	860	47	633	63	965	48	1,321	53	1,008	52	20
19	686	40	773	58	883	39	1,246	42	1,113	44	19
18	685	34	1,018	51	529	32	929	31	1,017	34	18
17	630	28	1,168	42	631	27	599	23	891	25	17
16	567	23	1,711	32	680	22	608	18	761	17	16
15	660	18	1,319	18	608	16	405	12	536	11	15
14	395	12	536	6	462	11	326	9	380	6	14
13	303	9	125	2	383	7	257	6	240	3	13
12	213	6	41	1	201	3	216	4	83	1	12
11	189	4	7	1	111	2	135	2	20	1	11
10	154	3	2	1	43	1	57	1	9	1	10
9	82	1	1	1	17	1	26	1	0	1	9
8	46	1	0	1	6	1	9	1	0	1	8
7	21	1	0	1	6	1	3	1	0	1	7
6	0	1	0	1	2	1	1	1	0	1	6
5	0	1	0	1	3	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	0	1	0	1	1
Avg (SD)	20.8 (5.4)		19.6 (4.4)		21.4 (5.6)		20.5 (4.4)		20.7 (4.4)		Avg (SD)

¹Note: CP is the cumulative percent of students at or below a score point. Also, shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score Averages for All Students

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 ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	
18	257	100	47	100	193	100	270	100	255	100	31	100	35	100	18
17	383	98	202	100	353	98	436	98	270	98	72	100	18	100	17
16	471	94	448	98	599	95	711	94	390	95	91	99	176	100	16
15	425	90	748	94	682	90	747	88	405	92	177	98	246	98	15
14	689	87	598	88	634	84	891	81	657	89	587	97	603	96	14
13	928	81	1,017	82	980	79	647	74	797	83	644	92	670	91	13
12	809	73	1,611	74	1,052	70	1,132	68	1,049	76	899	86	1,184	85	12
11	1,364	66	1,422	60	1,257	61	1,242	58	905	67	1,768	78	1,154	75	11
10	1,359	54	1,746	47	1,316	50	1,214	48	1,408	59	2,068	63	2,130	65	10
9	1,376	42	1,162	32	1,585	39	1,032	37	920	47	2,074	45	1,707	46	9
8	1,019	31	1,143	22	1,258	25	990	28	1,879	39	1,467	28	1,352	32	8
7	852	22	664	13	787	15	785	20	1,667	23	485	15	996	20	7
6	716	14	366	7	501	8	639	13	730	9	592	11	422	11	6
5	468	8	210	4	217	3	565	7	168	2	359	6	469	8	5
4	338	4	174	2	113	2	209	3	79	1	137	2	151	4	4
3	115	1	40	1	60	1	59	1	18	1	116	1	211	2	3
2	33	1	5	1	12	1	32	1	5	1	13	1	50	1	2
1	1	1	0	1	4	1	2	1	1	1	23	1	29	1	1
Avg (SD)	10.3 (3.5)		10.8 (2.9)		10.8 (3.2)		10.8 (3.6)		10.2 (3.2)		9.8 (2.6)		9.7 (2.8)		Avg (SD)

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

Table 2.3. ACT Score Quartile Values for All Students

Quartile	English	Math	Reading	Science	Composite
Q3 (75th Percentile)	24	23	25	23	24
Q2 (50th Percentile)	21	18	21	20	20
Q1 (25th Percentile)	17	16	17	18	17

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	11,603	51	21.8	19.5
	African Am./Black	374	39	18.3	16.8
	Am. Indian/Alaska Native	38	50	21.5	18.0
	Caucasian Am./White	10,366	51	21.8	19.6
	Hispanic	88	63	21.1	18.4
	Asian Am./Pacific Islander	82	66	24.5	21.3
	Other/No Response	655	46	22.3	20.2
National	All Students	1,421,941	61	22.0	19.5
	African Am./Black	178,417	58	17.7	16.0
	Am. Indian/Alaska Native	14,380	53	20.3	17.6
	Caucasian Am./White	895,588	64	22.9	20.4
	Hispanic	114,697	60	19.6	17.4
	Asian Am./Pacific Islander	51,368	71	23.4	21.4
	Other/No Response	167,491	52	22.5	20.1

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	20.8	19.6	21.4	20.5	20.7
	African Am./Black	16.9	16.8	17.5	17.5	17.3
	Am. Indian/Alaska Native	19.2	18.4	20.7	19.8	19.7
	Caucasian Am./White	20.9	19.6	21.4	20.5	20.7
	Hispanic	19.6	19.9	20.4	19.8	20.1
	Asian Am./Pacific Islander	23.0	23.7	23.6	23.1	23.5
	Other/No Response	21.5	20.4	22.0	20.9	21.3
National	All Students	20.6	21.0	21.4	20.8	21.1
	African Am./Black	16.1	17.0	17.0	17.2	16.9
	Am. Indian/Alaska Native	18.1	18.8	19.6	19.2	19.0
	Caucasian Am./White	21.7	21.8	22.5	21.7	22.1
	Hispanic	17.7	19.0	18.9	18.7	18.7
	Asian Am./Pacific Islander	22.1	24.1	22.4	22.3	22.9
	Other/No Response	21.2	21.7	22.1	21.2	21.7

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	286	2	113	1	343	3	146	1
	28 to 32	1,062	9	555	5	1,499	13	489	4
	24 to 27	2,068	18	1,730	15	1,981	17	2,010	17
	20 to 23	3,556	31	2,504	22	3,215	28	4,141	36
	16 to 19	2,568	22	4,670	40	2,723	23	3,382	29
	13 to 15	1,358	12	1,980	17	1,453	13	988	9
	01 to 12	705	6	51	0	389	3	447	4
National	33 to 36	52,735	4	40,359	3	63,798	4	26,499	2
	28 to 32	146,337	10	138,694	10	203,096	14	89,946	6
	24 to 27	237,950	17	283,854	20	231,039	16	281,932	20
	20 to 23	383,117	27	294,322	21	343,326	24	474,554	33
	16 to 19	293,110	21	466,291	33	312,300	22	359,785	25
	13 to 15	175,652	12	188,580	13	191,145	13	121,336	9
	01 to 12	133,040	9	9,841	1	77,237	5	67,889	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	5,053	44	20.3	20.3	21.3	21.1	20.9
	Females	6,436	55	21.1	19.0	21.4	20.0	20.5
	Missing	114	1	22.1	21.2	22.5	21.6	22.0
National	Males	625,887	44	20.1	21.6	21.2	21.3	21.2
	Females	764,282	54	21.0	20.4	21.5	20.4	21.0
	Missing	31,772	2	22.8	23.3	23.6	22.4	23.1

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

Student Group	Gender	Percent of Students				Meet All Four
		English	Math	Reading	Science	
State	Males	68	37	51	28	20
	Females	75	26	53	19	13
National	Males	65	47	51	32	26
	Females	70	38	53	24	19

Table 2.9. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Overall High School Curriculum

Student Group	Curriculum Taken ²	N	English		Mathematics		Reading		Science		Composite ¹	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg
State	Core	5,884	80	22.1	40	20.7	61	22.4	31	21.5	22	21.8
	Non-Core	5,232	64	19.5	20	18.3	44	20.3	14	19.4	9	19.5
	Missing	487	63	19.4	27	18.9	44	20.2	19	19.7	14	19.7
National	Core	873,743	75	21.6	50	21.9	59	22.3	33	21.6	27	22.0
	Non-Core	431,748	56	18.8	29	19.3	41	19.9	18	19.4	14	19.5
	Missing	116,450	62	19.9	42	20.8	48	20.8	27	20.3	23	20.6

¹% under Composite heading reflects the percent of students who meet all four benchmarks

²"Curriculum Taken" reflects overall high school curriculum.

For instance, "Core" results correspond to students taking four years of English AND three years each of math, social studies, and natural science.

Table 2.10. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates 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	10,795	72	20.9	10,479	32	19.8	10,332	54	21.5	6,454	30	21.4
	Non-Core	444	68	19.9	727	6	16.3	862	42	20.2	4,717	13	19.3
	Missing	364	65	19.7	397	29	19.1	409	44	20.4	432	19	19.7
National	Core	1,216,115	70	20.8	1,192,135	46	21.4	1,137,832	54	21.6	1,063,049	32	21.4
	Non-Core	111,558	57	18.8	124,104	14	17.4	183,026	45	20.4	253,561	13	18.7
	Missing	94,268	64	20.2	105,702	42	20.8	101,083	50	21.1	105,331	28	20.5

¹"Curriculum Taken" reflects content-specific curriculum.

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

Section III

College Readiness and the Impact of Course Rigor

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

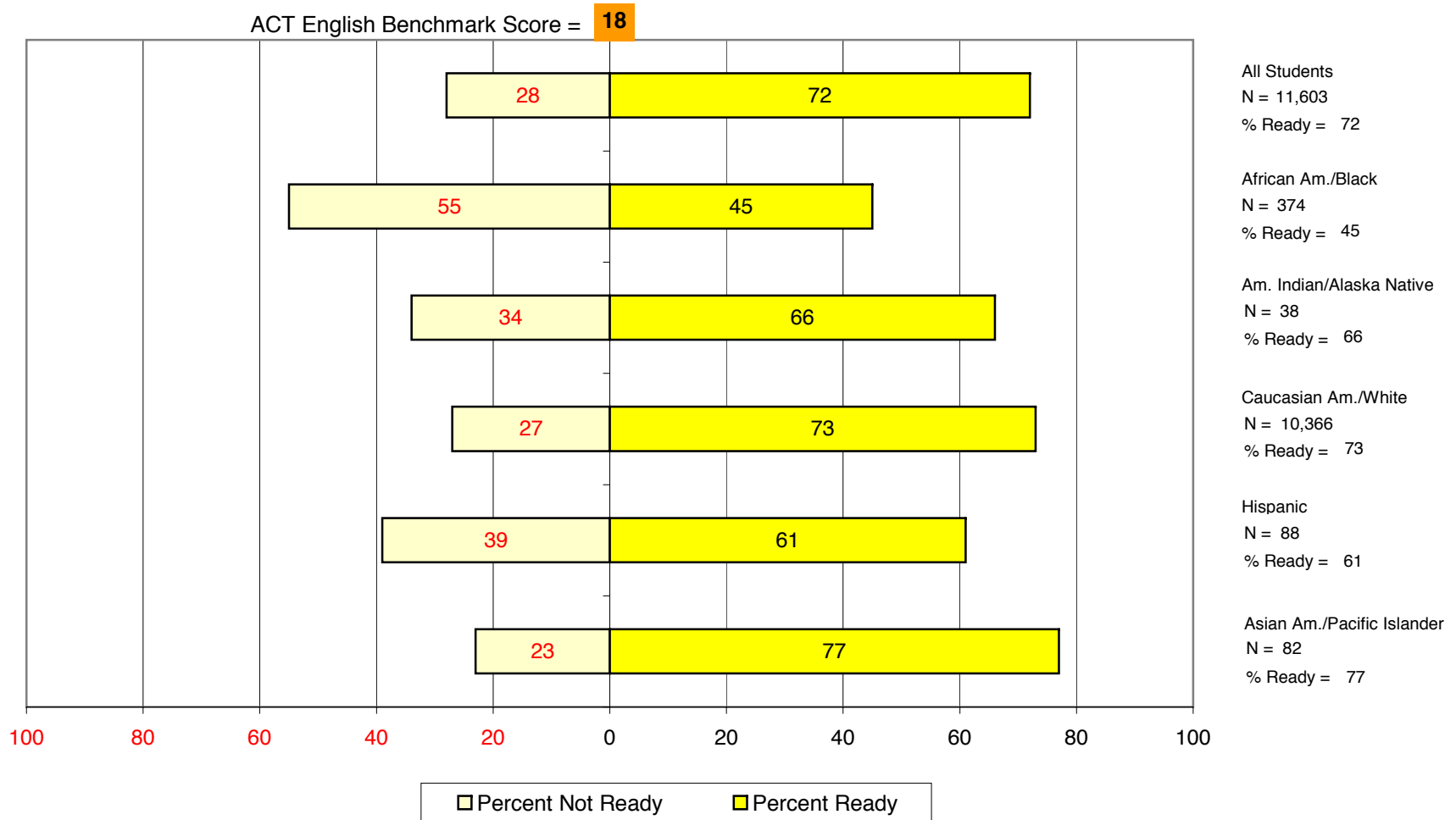


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

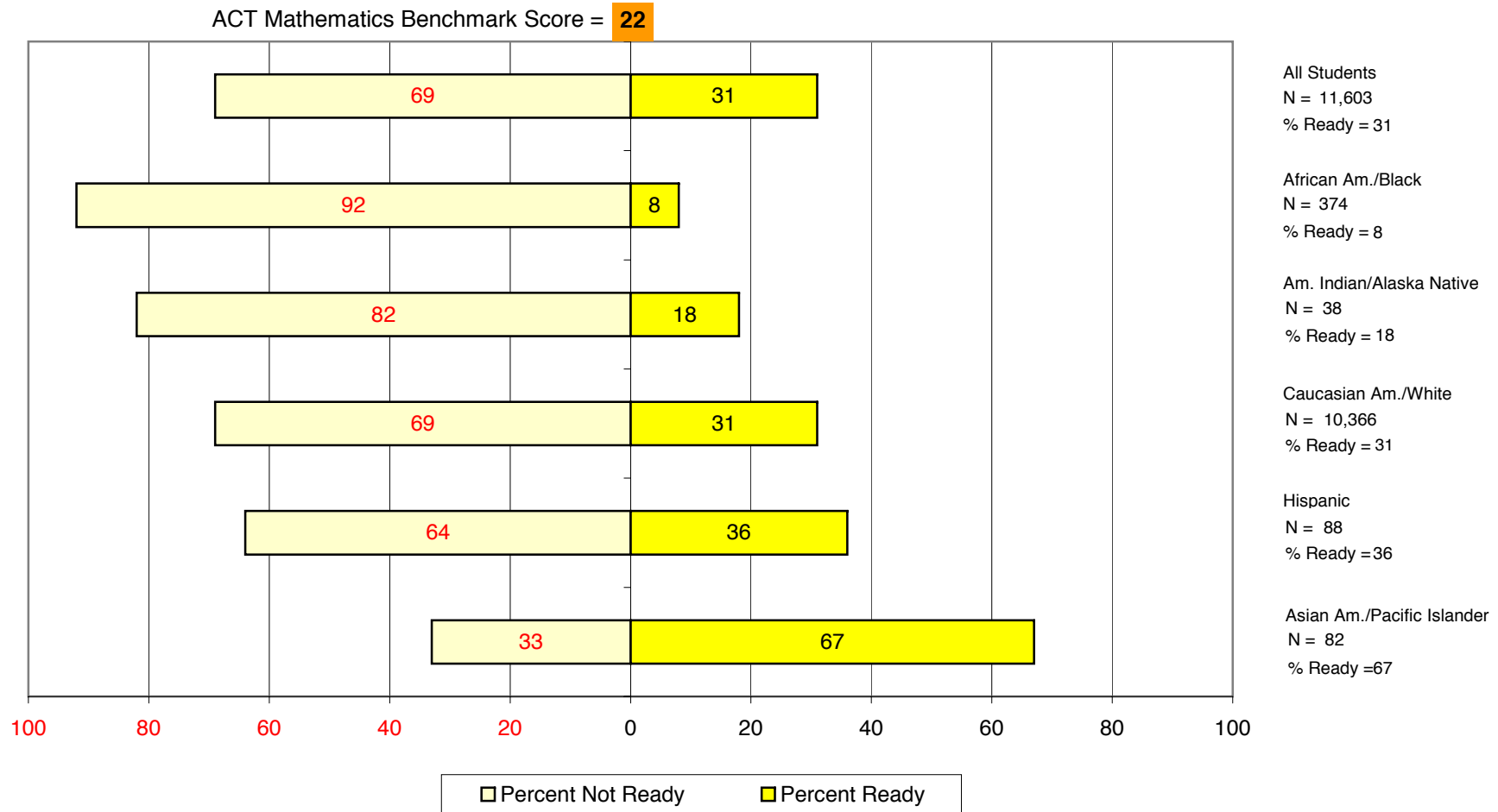


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

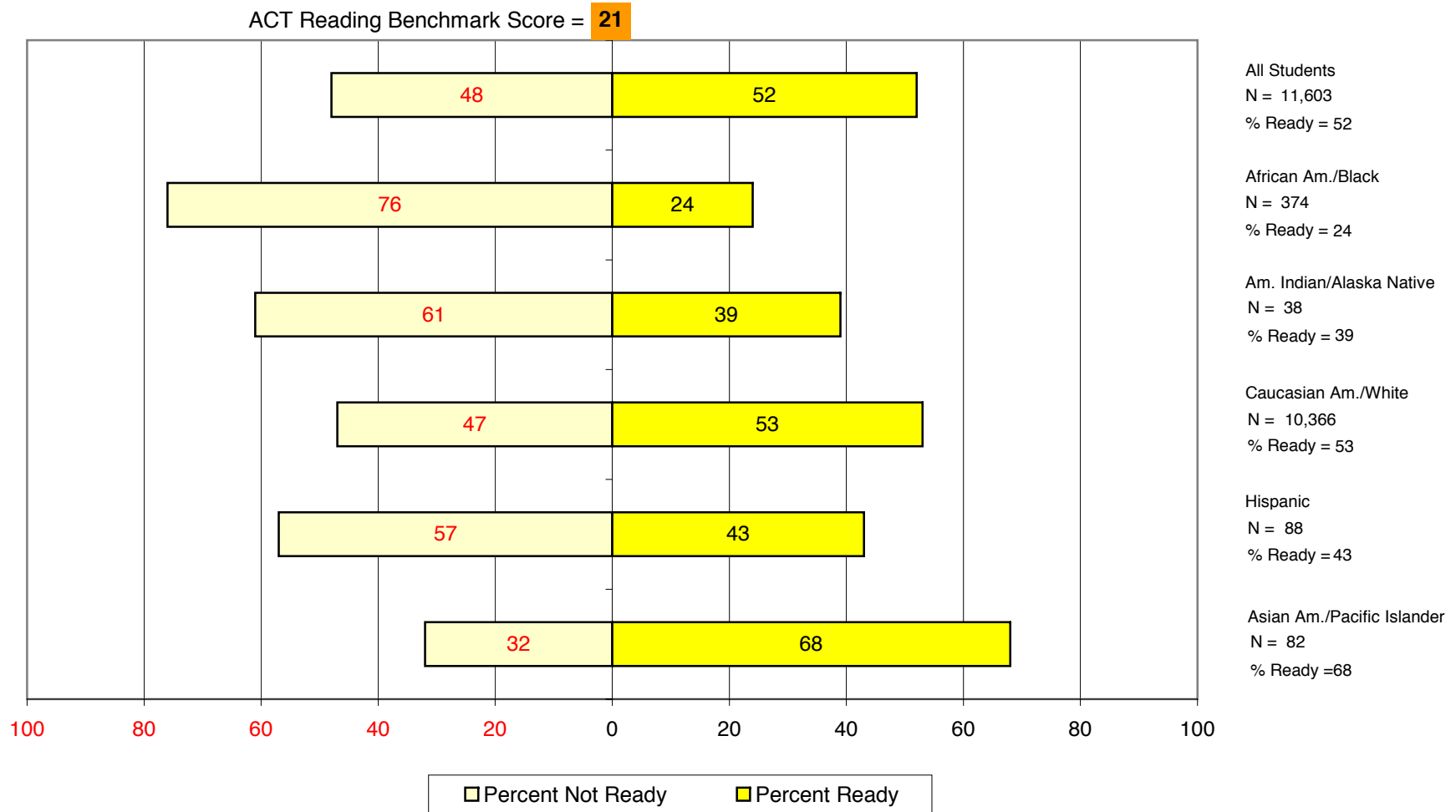


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

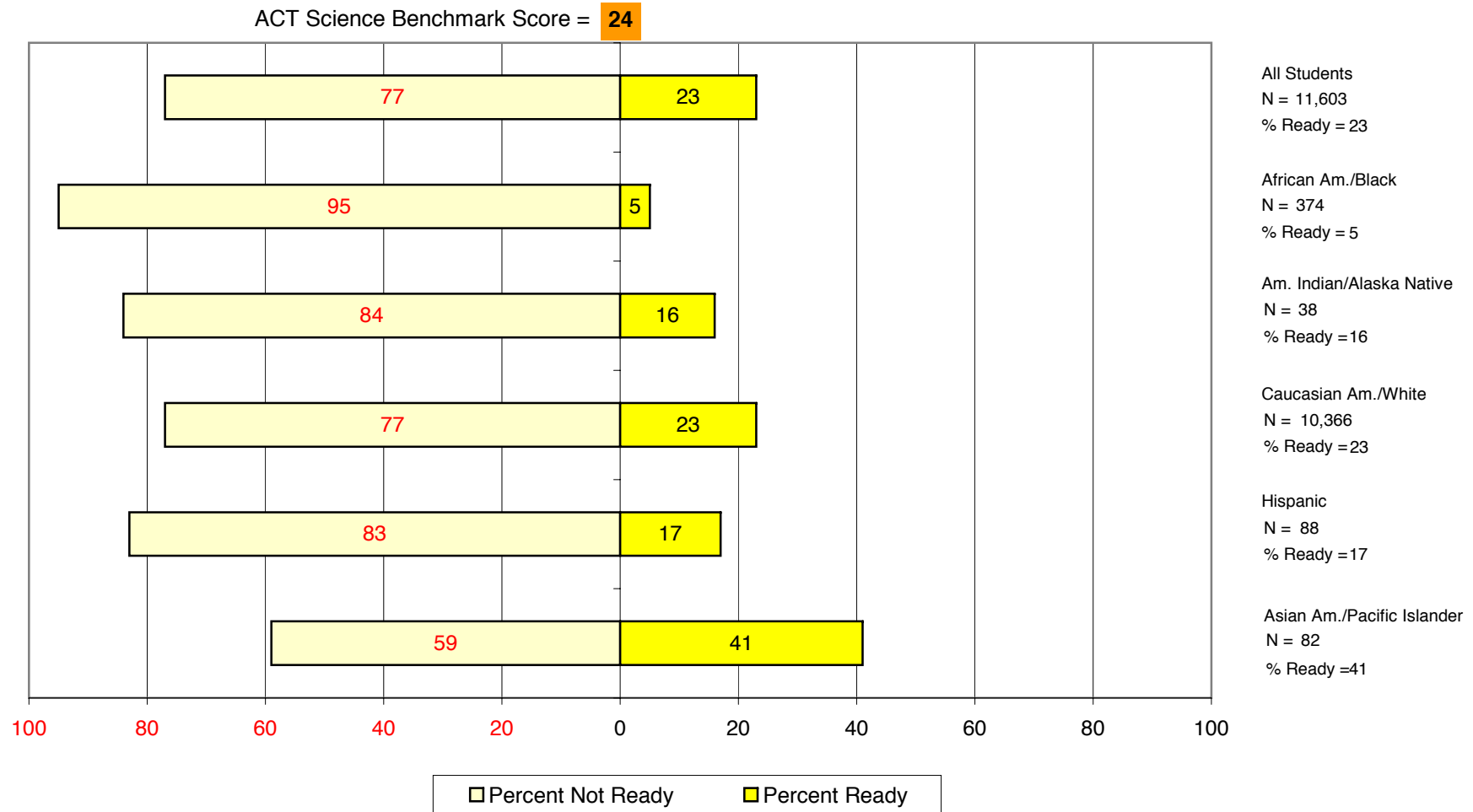


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

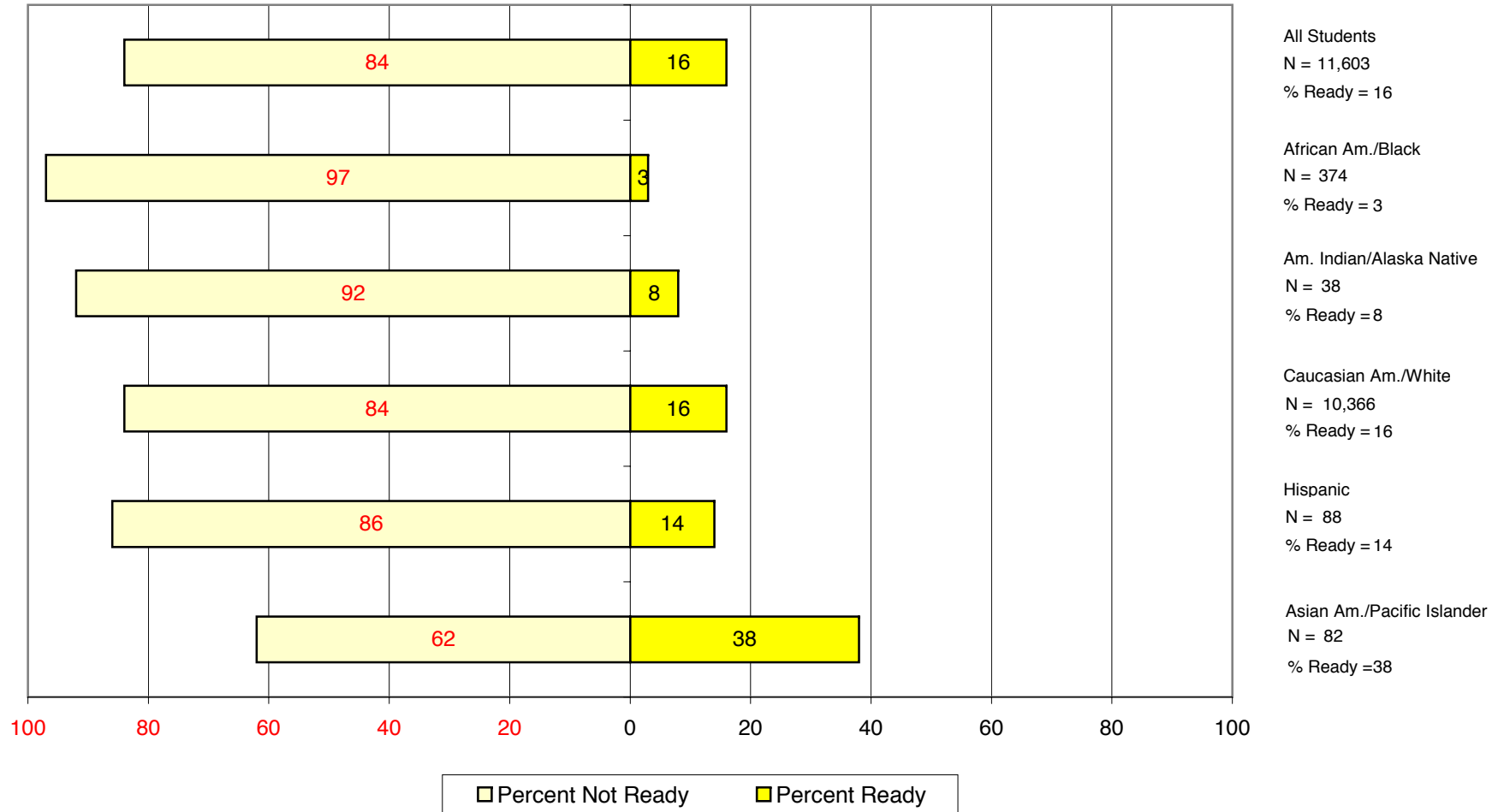


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	2,382	21	22.2	2.3	915	18	21.7	1.9	1,457	23	22.5	2.6
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	8,413	73	20.5	0.6	3,733	74	20.1	0.3	4,625	72	20.8	0.9
Less than 4 years of English	444	4	19.9	-	202	4	19.8	-	220	3	19.9	-
No English course/grade information reported	364	3	19.7	-	203	4	18.8	-	134	2	20.5	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	769	7	22.7	6.4	364	7	23.5	7.0	399	6	21.9	5.9
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,492	13	21.1	4.8	566	11	22.0	5.5	913	14	20.5	4.5
Alg 1, Alg 2, Geom, & Trig	2,199	19	19.2	2.9	898	18	19.9	3.4	1,287	20	18.7	2.7
Alg 1, Alg 2, Geom, & Other Adv Math	1,110	10	18.3	2.0	391	8	18.7	2.2	713	11	18.1	2.1
Other comb of 4 or more years of Math	2,441	21	22.4	6.1	1,248	25	23.2	6.7	1,177	18	21.6	5.6
Alg 1, Alg 2, & Geom (Min. Core)	2,150	19	16.7	0.4	840	17	17.1	0.6	1,296	20	16.4	0.4
Other comb of 3 or 3.5 years of Math	318	3	17.9	1.6	174	3	18.4	1.9	140	2	17.3	1.3
Less than 3 years of Math	750	6	16.3	-	366	7	16.5	-	372	6	16.0	-
No Math course/grade information reported	374	3	19.2	-	206	4	19.0	-	139	2	18.8	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,832	16	21.2	1.0	858	17	21.3	0.9	958	15	21.1	1.2
Other comb of 4 or more years Social Science	3,805	33	22.0	1.8	1,501	30	22.0	1.6	2,283	35	22.1	2.2
US Hist, World Hist, & Am Gov (Min. Core)	2,063	18	20.9	0.7	949	19	20.8	0.4	1,103	17	20.9	1.0
Other comb of 3 or 3.5 years of Social Science	2,632	23	21.4	1.2	1,073	21	21.3	0.9	1,544	24	21.4	1.5
Less than 3 years of Social Science	874	8	20.2	-	453	9	20.4	-	399	6	19.9	-
No Soc Sci course/grade information reported	397	3	20.4	-	219	4	19.8	-	149	2	20.7	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	2,177	19	22.3	3.0	1,083	21	22.9	3.1	1,082	17	21.6	2.7
Bio, Chem, Phys	152	1	22.9	3.6	73	1	23.9	4.1	75	1	21.9	3.0
Gen Sci ² , Bio, Chem (Min. Core)	3,320	29	20.7	1.4	1,165	23	21.2	1.4	2,127	33	20.5	1.6
Other comb of 3 years of Natural Science	805	7	21.6	2.3	496	10	22.1	2.3	306	5	20.8	1.9
Less than 3 years of Natural Science	4,753	41	19.3	-	2,018	40	19.8	-	2,695	42	18.9	-
No Nat Sci course/grade information reported	396	3	19.6	-	218	4	19.8	-	151	2	19.1	-

¹Course value added is defined as the average ACT score change compared to a less than core course sequence.

²Includes General, Physical and Earth Sciences.

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	2,382	21	22.2	81	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	8,413	73	20.5	70	949,721	67	20.5	68
Less than 4 years of English	444	4	19.9	68	112,496	8	18.8	56
No English course/grade information reported	364	3	19.7	65	93,330	7	20.2	64
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	769	7	22.7	59	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,492	13	21.1	46	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	2,199	19	19.2	25	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	1,110	10	18.3	18	204,909	14	20.4	38
Other comb of 4 or more years of Math	2,441	21	22.4	55	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	2,150	19	16.7	5	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	318	3	17.9	16	70,951	5	20.8	41
Less than 3 years of Math	750	6	16.3	7	131,252	9	17.4	14
No Math course/grade information reported	374	3	19.2	30	98,554	7	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,832	16	21.2	50	42,546	3	22.7	61
Other comb of 4 or more years Social Science	3,805	33	22.0	58	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	2,063	18	20.9	49	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	2,632	23	21.4	54	404,731	28	21.3	52
Less than 3 years of Social Science	874	8	20.2	42	185,561	13	20.4	45
No Soc Sci course/grade information reported	397	3	20.4	44	98,548	7	21.1	50
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	2,177	19	22.3	38	453,654	32	22.2	38
Bio, Chem, Phys	152	1	22.9	44	134,033	9	23.2	47
Gen Sci ¹ , Bio, Chem (Min. Core)	3,320	29	20.7	24	435,183	31	20.1	20
Other comb of 3 years of Natural Science	805	7	21.6	32	40,179	3	20.1	22
Less than 3 years of Natural Science	4,753	41	19.3	14	259,142	18	18.7	13
No Nat Sci course/grade information reported	396	3	19.6	19	99,750	7	20.6	29

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Table 4.1. Distribution of Planned Educational Majors for All Students and 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	216	2	18.7	49	5	16.8	155	2	19.3
Architecture & Environmental Design	126	1	20.5	6	1	17.2	114	1	20.8
Business & Management	929	8	20.1	71	7	17.8	820	9	20.3
Business & Office	86	1	18.7	20	2	17.5	64	1	19.1
Marketing & Distribution	73	1	19.1	4	0	16.0	69	1	19.3
Communications & Comm. Technologies	230	2	21.4	4	0	17.8	216	2	21.6
Community & Personal Services	342	3	18.9	59	6	16.6	264	3	19.5
Computer & Information Sciences	341	3	21.6	32	3	19.8	288	3	21.8
Cross-Disciplinary Studies	9	0	25.1	0	0	.	8	0	25.6
Education	576	5	20.0	19	2	15.4	537	6	20.2
Teacher Education	396	3	19.8	6	1	16.0	372	4	19.9
Engineering	460	4	22.7	27	3	16.5	416	4	23.2
Engineering-Related Technologies	308	3	21.5	42	4	16.9	255	3	22.4
Foreign Languages	35	0	24.1	0	0	.	31	0	23.8
Health Sciences & Allied Health Fields	3,297	28	20.5	402	38	17.7	2,792	29	20.9
Human, Family & Consumer Science	159	1	18.8	34	3	17.1	118	1	19.3
Letters	60	1	23.9	1	0	24.0	59	1	23.9
Mathematics	38	0	24.0	0	0	.	36	0	24.3
Philosophy, Religion & Theology	61	1	22.7	2	0	17.0	57	1	22.9
Sciences (Biological & Physical)	463	4	23.1	9	1	18.8	443	5	23.2
Social Sciences	653	6	21.8	6	1	18.2	615	6	21.9
Trade & Industrial	119	1	17.8	86	8	17.6	29	0	18.5
Visual & Performing Arts	550	5	20.8	40	4	17.2	472	5	21.1
Undecided	1,375	12	20.6	117	11	17.4	1,167	12	21.0
No Response	701	6	20.5	29	3	17.6	218	2	21.2

¹2-Year and 4-Year N's do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N for *All Students*.

²Percent of students tested.

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-Am./ Black		Am. Indian/ Alaska Native		Caucasian-Am./ White		Hispanic		Asian-Am./ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	166	17.3	5	13.4	4	17.0	145	17.6	2	15.5	1	16.0	9	15.7
2-yr College Degree	899	17.5	21	14.6	3	13.7	836	17.6	2	17.0	2	15.5	35	18.4
Bachelors Degree	4,408	19.8	146	16.9	15	19.9	4,024	19.9	31	18.8	15	20.7	177	19.6
Graduate Study	1,602	22.2	40	18.7	4	20.8	1,446	22.3	15	20.4	10	24.0	87	22.5
Prof. Level Degree	3,605	22.2	120	18.4	10	20.6	3,185	22.2	34	21.8	44	25.3	212	22.9
Other	276	18.6	16	15.5	0	.	225	18.7	3	19.7	4	20.8	28	19.3
No Response	647	20.5	26	16.8	2	25.5	505	20.4	1	13.0	6	22.0	107	22.1

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	5,159	2,383	2,776	1	6	29	33	22	8	1
MARSHALL UNIVERSITY	West Virginia	3,466	1,139	2,327	1	8	32	33	19	7	0
FAIRMONT STATE UNIVERSITY	West Virginia	2,184	639	1,545	1	10	38	32	16	3	0
CONCORD UNIVERSITY	West Virginia	1,330	397	933	1	10	35	35	16	4	0
UNIVERSITY OF CHARLESTON THE	West Virginia	742	132	610	0	9	33	32	21	5	0
WEST VIRGINIA STATE UNIVERSITY	West Virginia	741	218	523	2	13	40	34	10	2	0
WEST VIRGINIA WESLEYAN COLLEGE	West Virginia	739	164	575	1	6	25	33	26	8	0
SHEPHERD UNIVERSITY	West Virginia	737	273	464	1	8	29	36	21	5	0
WEST VIRGINIA UNIV INST OF TECHNOLOGY	West Virginia	696	236	460	1	14	38	25	16	6	0
WEST LIBERTY STATE COLLEGE	West Virginia	684	225	459	1	11	38	35	13	2	0
GLENVILLE STATE COLLEGE	West Virginia	602	150	452	1	13	43	28	13	2	0
WEST VIRGINIA HIGHER EDUC GRANT PROGRAM	West Virginia	564	264	300	1	10	31	32	17	7	0
MOUNTAIN STATE UNIVERSITY	West Virginia	558	136	422	1	15	40	30	11	2	0
POTOMAC STATE COLLEGE OF WVU	West Virginia	522	200	322	2	17	38	30	12	2	0
WEST VIRGINIA UNIVERSITY AT PARKERSBURG	West Virginia	517	236	281	1	14	43	30	10	3	0
ALDERSON BROADDUS COLLEGE	West Virginia	450	121	329	1	8	32	34	17	7	1
BLUEFIELD STATE COLLEGE	West Virginia	436	153	283	2	17	43	27	9	2	0
DAVIS AND ELKINS COLLEGE	West Virginia	320	55	265	2	11	33	32	16	5	0
SOUTHERN WEST VIRGINIA C TECH C-LOGAN	West Virginia	290	152	138	2	14	46	30	8	0	0
WHEELING JESUIT UNIVERSITY	West Virginia	279	41	238	0	4	30	35	24	6	1
NCAA ELIGIBILITY CENTER	Indiana	275	101	174	2	11	36	34	14	4	0
OHIO STATE UNIVERSITY THE	Ohio	275	43	232	1	6	20	30	27	16	0
VIRGINIA TECH	Virginia	218	22	196	1	4	14	30	25	22	3
BETHANY COLLEGE	West Virginia	211	39	172	0	9	29	30	24	7	0
PIERPONT COMM & TECH COLL OF FSU	West Virginia	197	60	137	1	23	44	21	11	0	0
UNIVERSITY OF KENTUCKY	Kentucky	188	28	160	0	3	17	33	31	15	1
WEST VIRGINIA NORTHERN COMMUNITY COLL	West Virginia	182	63	119	1	22	38	29	9	2	0
NEW RIVER COMMUNITY AND TECHNICAL COLL	West Virginia	166	55	111	3	23	46	21	5	1	0
OHIO UNIVERSITY	Ohio	153	26	127	1	6	16	37	25	15	0
MARIETTA COLLEGE	Ohio	146	37	109	1	5	21	32	28	12	1
All Other Institutions		6,430	1,393	5,037	1	9	25	29	22	13	2
Total		29,457	9,181	20,276	1	9	32	31	19	7	1

Section V

Optional Writing Test Results

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	5,383	770,529	21.4	21.4	6.4	7.3	20.1	20.9
African Am./Black	146	86,049	17.5	16.6	6.0	6.5	16.8	16.6
Am. Indian/Alaska Native	15	5,148	20.1	18.9	6.4	6.7	19.1	18.5
Caucasian Am./White	4,758	464,177	21.4	22.5	6.4	7.4	20.1	21.8
Hispanic	47	71,060	20.6	18.3	6.7	7.1	19.7	18.5
Asian Am./Pacific Islander	52	37,359	24.7	23.1	6.9	7.9	23.0	22.6
Other/No Response	365	106,736	22.6	22.2	6.7	7.5	21.2	21.7
Males	2,309	327,613	21.2	20.9	6.1	7.0	19.6	20.2
Females	3,003	421,968	21.6	21.7	6.7	7.6	20.5	21.3
Missing	71	20,948	23.1	23.9	6.8	7.9	21.6	23.2

