

ACT High School Profile Report

The Graduating Class of 2007
West Virginia



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This report provides information about the performance of your 2007 graduating seniors who took the ACT as sophomores, juniors, or seniors.

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 2007 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. 11,480 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. 25% 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 11% of the cohort took less than three years of math courses. Of these students, 10% were college ready. 23% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 6% of these students were college ready. In comparison, 45% 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 46% of the cohort took less than three years of natural science courses. 14% of these students were college ready. In comparison, 32% 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 58% 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.

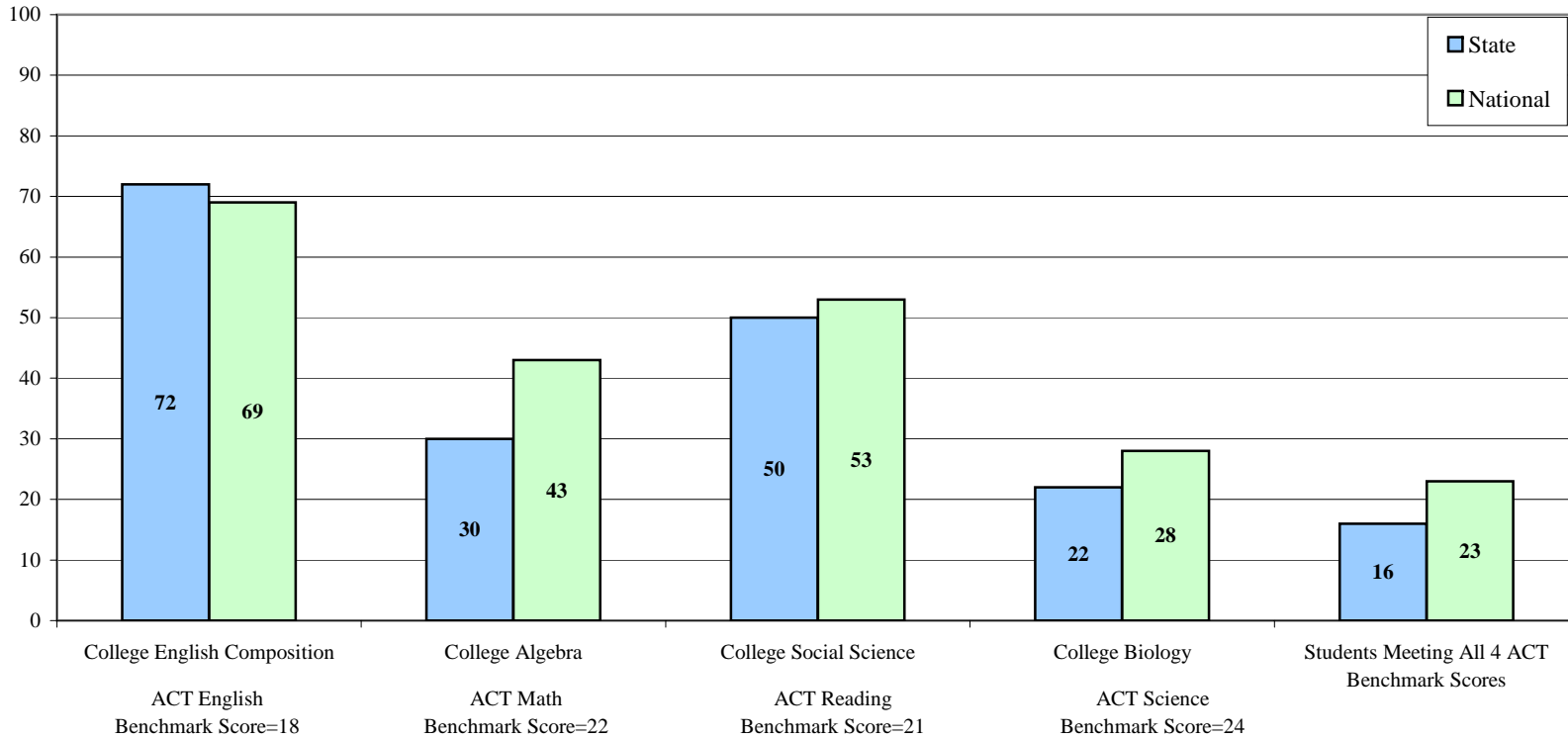
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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
2003	11,728	1,175,059	69	67	28	40	50	52	20	26	13	20
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

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
2003	11,728	1,175,059	20.3	20.3	19.2	20.6	20.9	21.2	20.3	20.8	20.3	20.8
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2003	1,175,059	20.3	20.6	21.2	20.8	20.8
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

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
2003	3,407	7,847	29	67	22.0	19.6	20.7	18.6	22.4	20.3	21.6	19.8	21.8	19.7
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

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

	2003			2004			2005			2006			2007		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	11,728	100	20.3	11,486	100	20.5	11,451	100	20.4	10,990	100	20.6	11,480	100	20.6
African American/Black	375	3	16.9	366	3	17.5	350	3	17.5	333	3	17.7	344	3	17.5
American Indian/Alaska Native	29	0	18.7	27	0	18.3	34	0	20.1	47	0	20.3	44	0	19.6
Caucasian American/White	10,526	90	20.4	10,287	90	20.5	10,274	90	20.5	9,600	87	20.7	9,825	86	20.7
Hispanic	69	1	19.8	73	1	20.1	65	1	19.8	86	1	21.3	84	1	20.6
Asian American/Pacific Islander	122	1	22.6	110	1	23.5	101	1	23.0	110	1	23.4	85	1	23.0
Other/No Response	607	5	20.5	623	5	20.7	627	5	20.8	814	7	20.8	1,098	10	21.1

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	10	100	9	100	33	100	9	100	1	100	36
35	67	100	16	100	70	100	34	100	8	100	35
34	114	99	26	100	105	99	21	100	24	100	34
33	89	98	31	100	131	98	47	99	28	100	33
32	99	98	59	99	182	97	44	99	56	99	32
31	173	97	71	99	237	95	77	99	95	99	31
30	187	95	68	98	245	93	103	98	156	98	30
29	218	94	141	98	314	91	90	97	160	97	29
28	409	92	159	96	387	89	165	96	284	95	28
27	328	88	267	95	494	85	282	95	344	93	27
26	410	85	377	93	426	81	412	92	459	90	26
25	676	82	503	89	473	77	592	89	602	86	25
24	612	76	631	85	707	73	703	84	684	81	24
23	653	70	532	79	818	67	856	78	809	75	23
22	907	65	567	75	558	60	1,116	70	921	68	22
21	888	57	657	70	616	55	1,052	60	844	60	21
20	1,025	49	765	64	1,109	50	1,295	51	988	52	20
19	814	40	751	58	635	40	1,008	40	1,049	44	19
18	617	33	931	51	525	34	1,011	31	960	35	18
17	485	28	1,263	43	699	30	775	22	924	26	17
16	676	24	1,777	32	799	24	446	16	736	18	16
15	524	18	1,110	16	483	17	367	12	562	12	15
14	471	13	549	7	515	12	285	8	367	7	14
13	308	9	147	2	398	8	194	6	268	4	13
12	218	6	49	1	301	5	185	4	105	1	12
11	183	4	13	1	114	2	140	3	41	1	11
10	133	3	8	1	75	1	124	1	5	1	10
9	85	2	2	1	12	1	31	1	0	1	9
8	69	1	1	1	11	1	11	1	0	1	8
7	25	1	0	1	5	1	4	1	0	1	7
6	4	1	0	1	2	1	1	1	0	1	6
5	2	1	0	1	0	1	0	1	0	1	5
4	1	1	0	1	1	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 (5.5)		19.5 (4.4)		21.2 (5.6)		20.5 (4.4)		20.6 (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	192	100	40	100	110	100	248	100	153	100	28	100	20	100	18
17	468	98	126	100	441	99	479	98	223	99	48	100	33	100	17
16	424	94	409	99	463	95	681	94	398	97	98	99	118	100	16
15	419	91	700	95	640	91	839	88	476	93	225	98	301	99	15
14	804	87	776	89	687	86	890	80	781	89	428	97	440	96	14
13	776	80	865	82	718	80	984	73	826	82	888	93	836	92	13
12	1,036	73	1,485	75	1,606	73	1,068	64	962	75	1,030	85	903	85	12
11	1,148	64	1,637	62	1,231	59	910	55	923	67	1,277	76	1,426	77	11
10	1,493	54	1,511	47	1,113	49	1,077	47	1,355	59	2,267	65	1,844	64	10
9	1,195	41	1,211	34	1,220	39	1,050	37	947	47	1,862	45	2,129	48	9
8	1,108	31	1,180	24	1,406	28	844	28	1,487	39	1,337	29	1,279	30	8
7	836	21	659	13	761	16	713	21	1,769	26	814	17	1,036	19	7
6	611	14	396	8	520	9	939	15	811	10	499	10	413	10	6
5	532	8	292	4	282	5	417	7	206	3	383	6	289	6	5
4	273	4	148	2	181	2	270	3	102	1	83	3	208	4	4
3	127	1	39	1	72	1	50	1	47	1	175	2	135	2	3
2	36	1	6	1	24	1	21	1	10	1	3	1	34	1	2
1	2	1	0	1	5	1	0	1	4	1	35	1	36	1	1
Avg (SD)	10.4 (3.5)		10.7 (2.9)		10.7 (3.3)		10.9 (3.7)		10.1 (3.2)		9.7 (2.6)		9.7 (2.7)		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	11,480	25	22.1	20.1
	African Am./Black	344	18	18.1	17.4
	Am. Indian/Alaska Native	44	20	19.7	20.0
	Caucasian Am./White	9,825	26	22.2	20.1
	Hispanic	84	33	22.8	19.8
	Asian Am./Pacific Islander	85	27	24.0	22.9
	Other/No Response	1,098	18	22.2	20.6
National	All Students	1,300,599	51	22.0	19.8
	African Am./Black	152,412	51	17.7	16.1
	Am. Indian/Alaska Native	14,044	46	20.3	17.6
	Caucasian Am./White	779,147	54	23.0	20.7
	Hispanic	93,137	50	19.5	17.7
	Asian Am./Pacific Islander	42,257	57	23.1	21.4
	Other/No Response	219,602	38	22.5	20.4

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	20.8	19.5	21.2	20.5	20.6
	African Am./Black	17.0	17.1	17.6	17.8	17.5
	Am. Indian/Alaska Native	19.5	19.0	19.5	19.9	19.6
	Caucasian Am./White	20.8	19.5	21.2	20.5	20.7
	Hispanic	20.8	19.6	21.3	20.3	20.6
	Asian Am./Pacific Islander	22.7	23.0	23.2	22.6	23.0
	Other/No Response	21.2	19.9	21.8	20.8	21.1
National	All Students	20.7	21.0	21.5	21.0	21.2
	African Am./Black	16.1	17.0	17.1	17.2	17.0
	Am. Indian/Alaska Native	17.9	18.7	19.4	19.2	18.9
	Caucasian Am./White	21.8	21.7	22.5	21.9	22.1
	Hispanic	17.6	19.0	18.8	18.8	18.7
	Asian Am./Pacific Islander	21.7	23.6	22.1	22.3	22.6
	Other/No Response	21.2	21.5	22.0	21.3	21.6

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	280	2	82	1	339	3	111	1
	28 to 32	1,086	9	498	4	1,365	12	479	4
	24 to 27	2,026	18	1,778	15	2,100	18	1,989	17
	20 to 23	3,473	30	2,521	22	3,101	27	4,319	38
	16 to 19	2,592	23	4,722	41	2,658	23	3,240	28
	13 to 15	1,303	11	1,806	16	1,396	12	846	7
	01 to 12	720	6	73	1	521	5	496	4
National	33 to 36	44,569	3	29,067	2	58,782	5	26,450	2
	28 to 32	133,320	10	120,951	9	183,189	14	80,170	6
	24 to 27	228,570	18	268,298	21	224,580	17	258,834	20
	20 to 23	348,772	27	284,073	22	317,869	24	458,484	35
	16 to 19	278,059	21	427,859	33	281,941	22	319,915	25
	13 to 15	154,534	12	161,072	12	159,904	12	95,630	7
	01 to 12	112,775	9	9,279	1	74,334	6	61,116	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	4,835	42	20.3	20.2	21.0	21.1	20.8
	Females	6,138	53	21.1	18.9	21.3	20.0	20.4
	Missing	507	4	21.0	19.9	21.8	20.8	21.0
National	Males	544,522	42	20.2	21.6	21.2	21.4	21.2
	Females	674,636	52	21.0	20.4	21.6	20.5	21.0
	Missing	81,441	6	21.7	21.9	22.4	21.7	22.1

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	69	36	49	28	20
	Females	74	25	51	18	13
National	Males	66	47	51	32	26
	Females	71	38	53	24	20

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

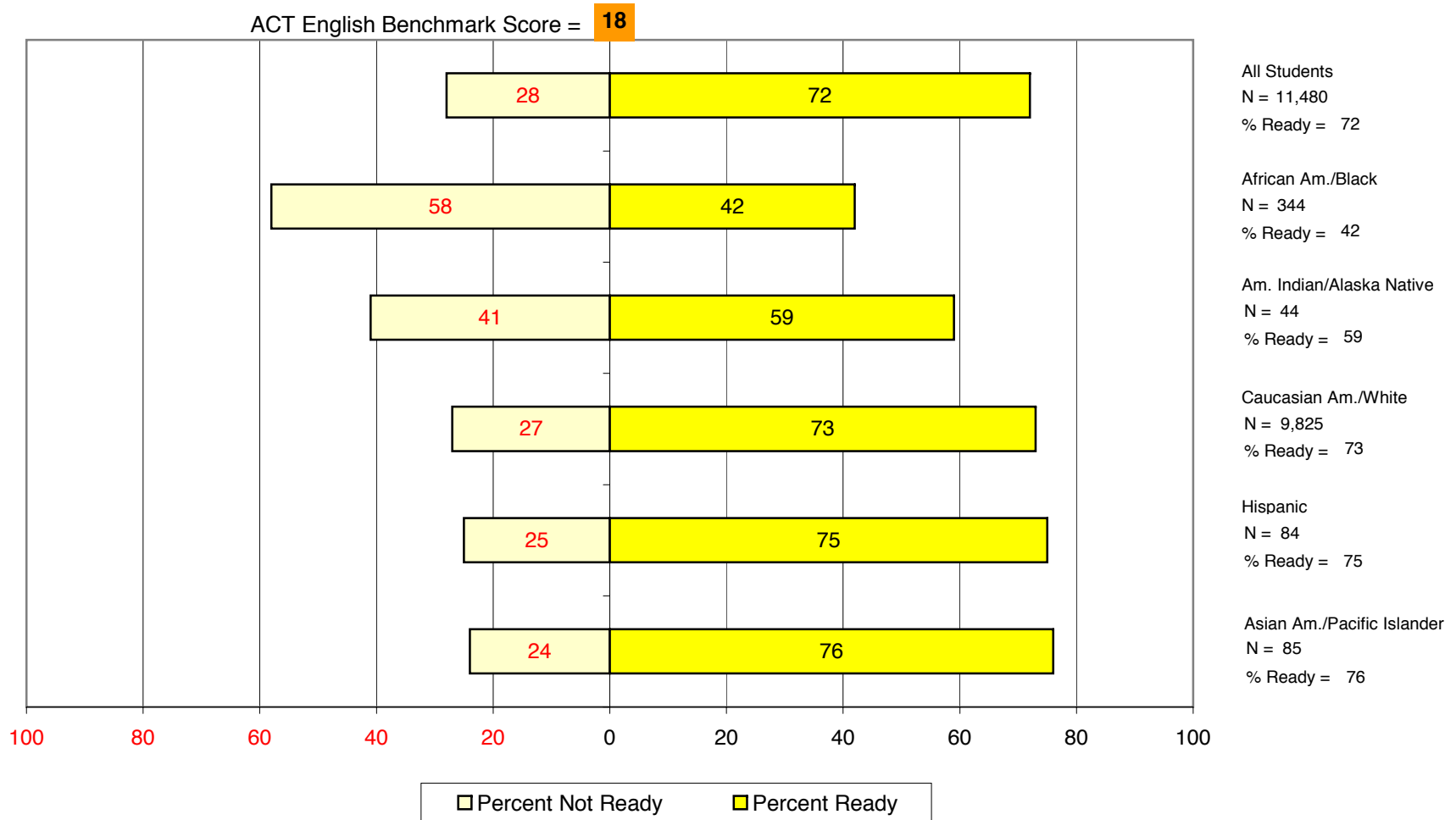


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

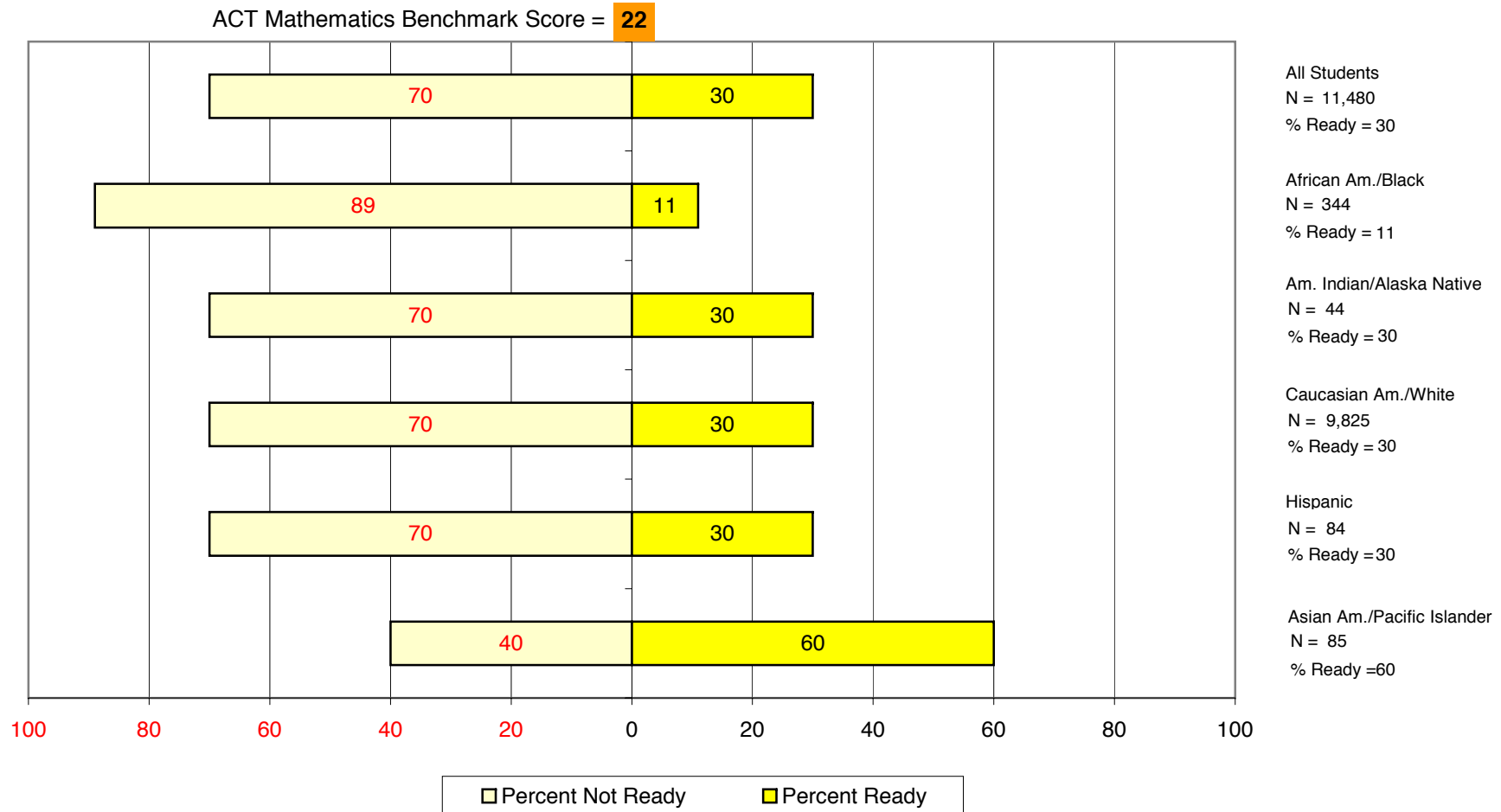


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

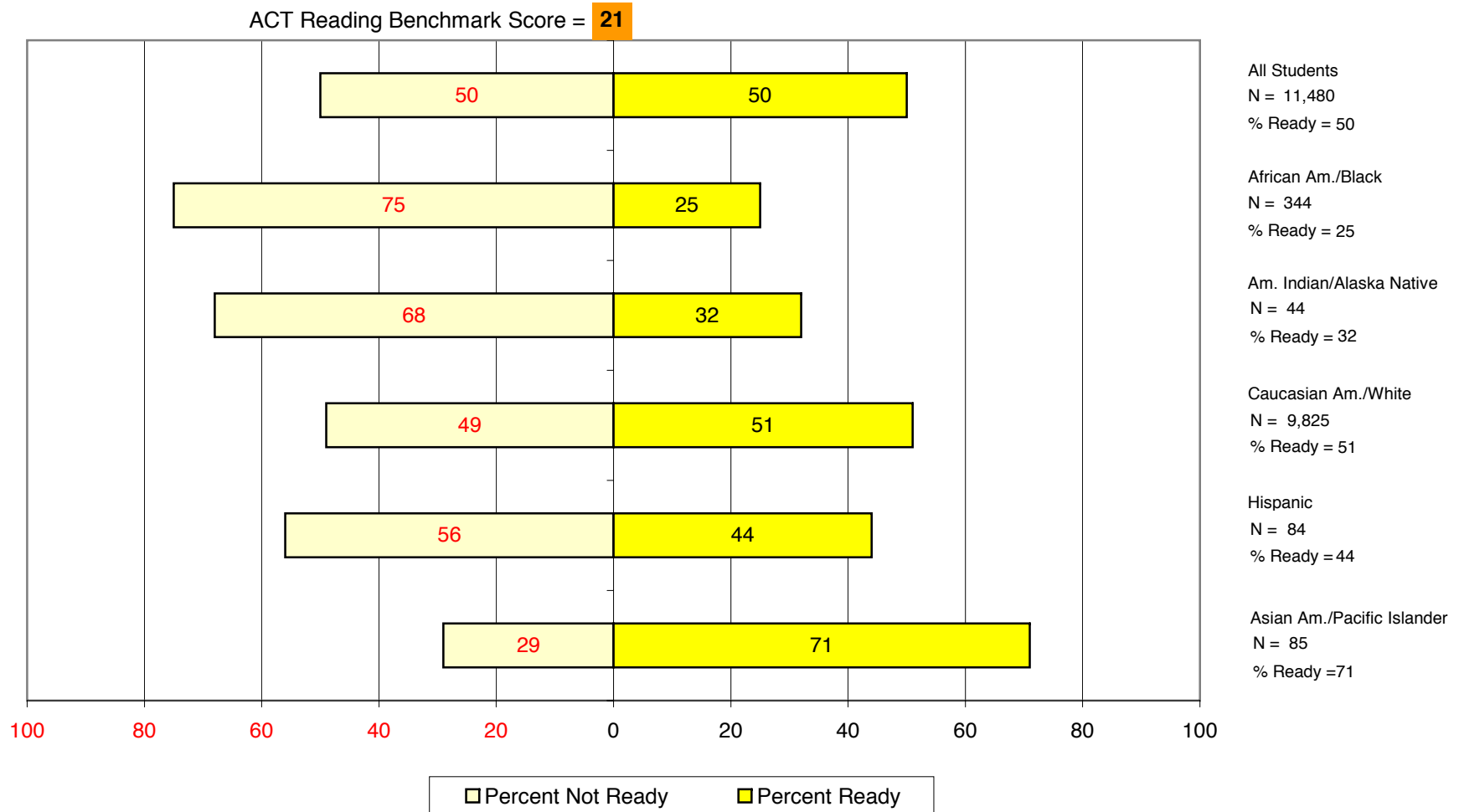


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

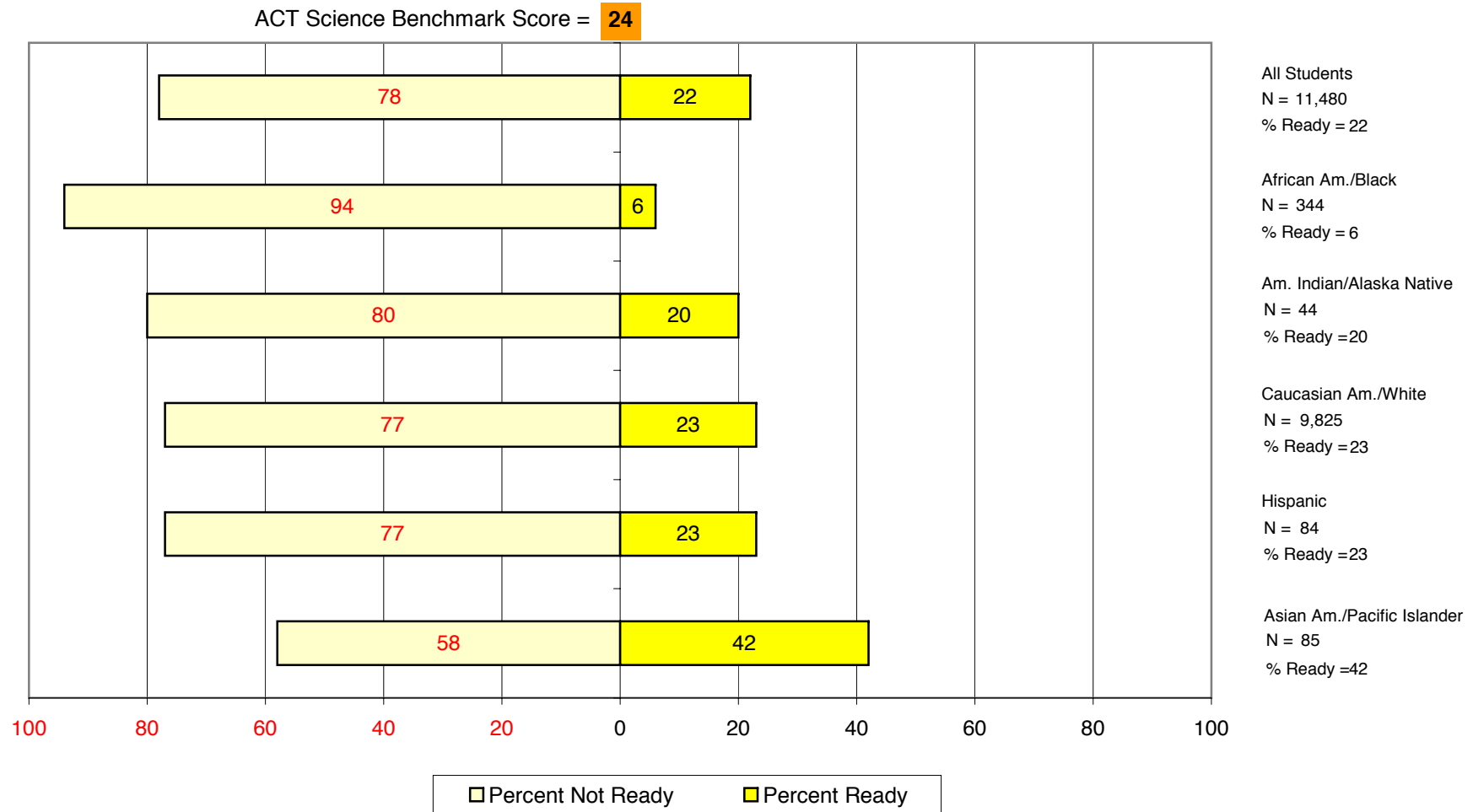


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

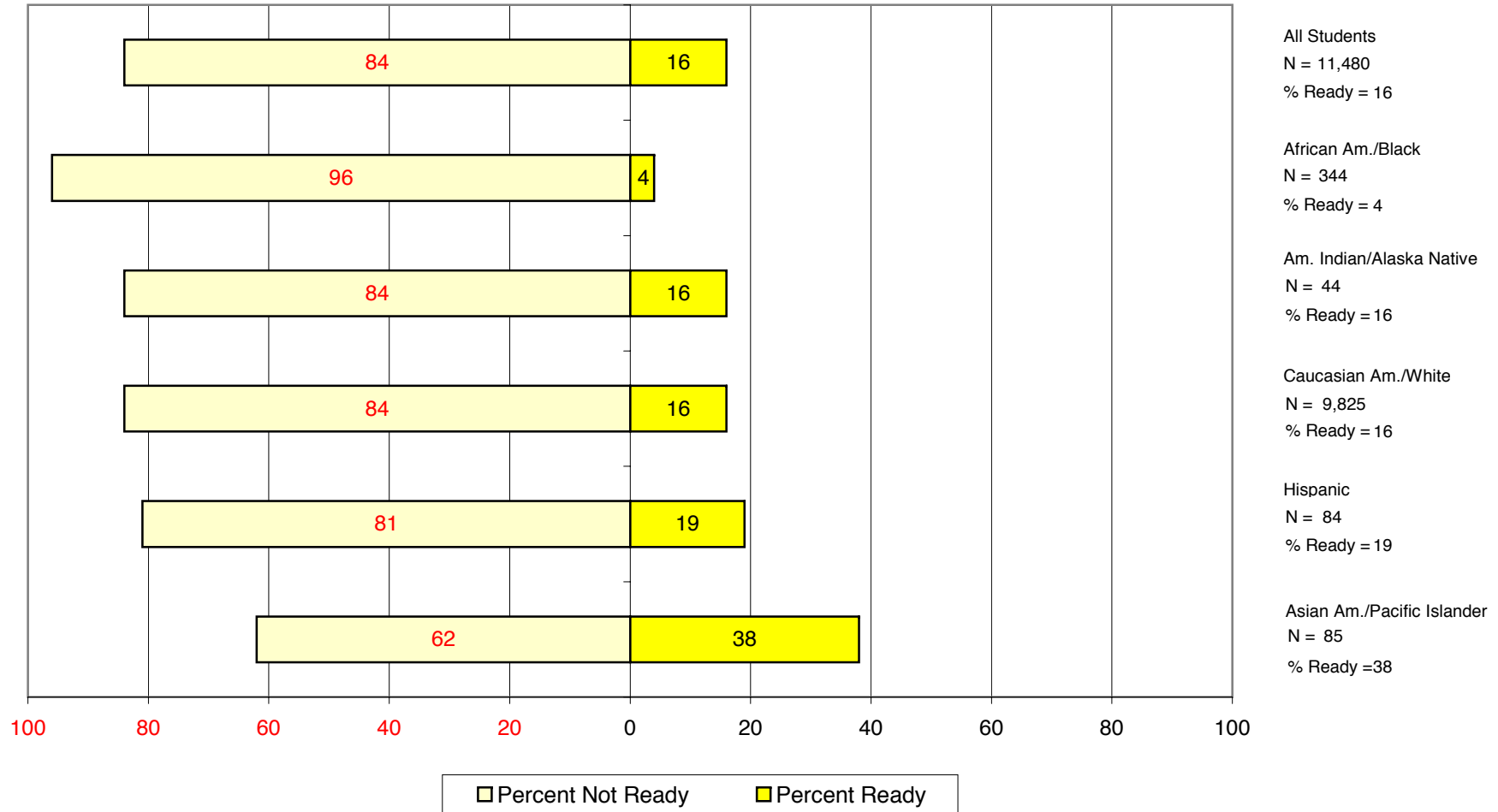


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	1,976	17	22.5	1.9	727	15	22.0	1.7	1,204	20	22.9	2.1
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	7,358	64	20.3	-0.3	3,164	65	20.1	-0.2	3,996	65	20.5	-0.3
Less than 4 years of English	880	8	20.6	-	387	8	20.3	-	443	7	20.8	-
No English course/grade information reported	1,266	11	20.5	-	557	12	19.6	-	495	8	21.4	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	684	6	22.8	5.9	319	7	24.0	6.6	341	6	21.7	5.3
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,126	10	21.4	4.5	418	9	22.2	4.8	684	11	20.9	4.5
Alg 1, Alg 2, Geom, & Trig	1,609	14	19.6	2.7	642	13	20.2	2.8	927	15	19.2	2.8
Alg 1, Alg 2, Geom, & Other Adv Math	659	6	18.6	1.7	225	5	19.1	1.7	411	7	18.4	2.0
Other comb of 4 or more years of Math	1,851	16	23.2	6.3	936	19	23.9	6.5	869	14	22.5	6.1
Alg 1, Alg 2, & Geom (Min. Core)	2,658	23	16.9	0.0	1,035	21	17.4	0.0	1,547	25	16.6	0.2
Other comb of 3 or 3.5 years of Math	270	2	18.3	1.4	138	3	18.6	1.2	124	2	17.9	1.5
Less than 3 years of Math	1,287	11	16.9	-	533	11	17.4	-	708	12	16.4	-
No Math course/grade information reported	1,336	12	19.4	-	589	12	19.5	-	527	9	18.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	340	3	21.4	0.6	165	3	21.4	0.7	165	3	21.3	0.5
Other comb of 4 or more years Social Science	1,980	17	21.9	1.1	803	17	21.8	1.1	1,127	18	22.0	1.2
US Hist, World Hist, & Am Gov (Min. Core)	398	3	20.5	-0.3	198	4	20.8	0.1	190	3	20.1	-0.7
Other comb of 3 or 3.5 years of Social Science	2,684	23	21.5	0.7	993	21	21.3	0.6	1,615	26	21.6	0.8
Less than 3 years of Social Science	4,710	41	20.8	-	2,072	43	20.7	-	2,500	41	20.8	-
No Soc Sci course/grade information reported	1,368	12	21.0	-	604	12	20.3	-	541	9	21.4	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,698	15	22.8	3.5	796	16	23.6	3.8	867	14	22.1	3.1
Bio, Chem, Phys	153	1	22.9	3.6	81	2	24.5	4.7	65	1	20.8	1.8
Gen Sci ² , Bio, Chem (Min. Core)	2,268	20	20.9	1.6	757	16	21.5	1.7	1,453	24	20.6	1.6
Other comb of 3 years of Natural Science	688	6	22.1	2.8	430	9	22.7	2.9	244	4	21.2	2.2
Less than 3 years of Natural Science	5,297	46	19.3	-	2,161	45	19.8	-	2,967	48	19.0	-
No Nat Sci course/grade information reported	1,376	12	20.2	-	610	13	20.4	-	542	9	19.8	-

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	1,976	17	22.5	83	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	7,358	64	20.3	69	766,001	59	20.5	68
Less than 4 years of English	880	8	20.6	72	141,777	11	19.7	64
No English course/grade information reported	1,266	11	20.5	72	201,619	16	20.7	69
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	684	6	22.8	62	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,126	10	21.4	47	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	1,609	14	19.6	29	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	659	6	18.6	18	163,562	13	20.4	38
Other comb of 4 or more years of Math	1,851	16	23.2	65	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	2,658	23	16.9	6	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	270	2	18.3	19	57,945	4	20.9	43
Less than 3 years of Math	1,287	11	16.9	10	145,617	11	18.3	21
No Math course/grade information reported	1,336	12	19.4	28	211,787	16	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	340	3	21.4	52	31,985	2	22.7	61
Other comb of 4 or more years Social Science	1,980	17	21.9	56	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	398	3	20.5	44	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	2,684	23	21.5	52	333,689	26	21.4	52
Less than 3 years of Social Science	4,710	41	20.8	48	201,605	16	20.6	47
No Soc Sci course/grade information reported	1,368	12	21.0	49	212,012	16	21.5	53
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	1,698	15	22.8	41	333,648	26	22.4	40
Bio, Chem, Phys	153	1	22.9	45	115,297	9	23.4	48
Gen Sci ¹ , Bio, Chem (Min. Core)	2,268	20	20.9	24	353,348	27	20.2	20
Other comb of 3 years of Natural Science	688	6	22.1	36	32,593	3	20.4	24
Less than 3 years of Natural Science	5,297	46	19.3	14	247,312	19	19.1	15
No Nat Sci course/grade information reported	1,376	12	20.2	21	218,401	17	20.9	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	175	2	18.6	41	4	17.8	125	1	19.1
Architecture & Environmental Design	126	1	21.0	14	1	16.7	109	1	21.5
Business & Management	751	7	20.2	64	6	18.7	662	8	20.3
Business & Office	53	0	18.6	15	1	16.7	35	0	19.4
Marketing & Distribution	43	0	20.7	1	0	17.0	41	0	20.8
Communications & Comm. Technologies	175	2	20.8	14	1	16.5	155	2	21.4
Community & Personal Services	330	3	18.4	52	5	17.3	265	3	18.7
Computer & Information Sciences	255	2	21.3	40	4	17.9	202	2	22.0
Cross-Disciplinary Studies	5	0	22.4	0	0	.	4	0	20.8
Education	450	4	20.5	11	1	15.9	423	5	20.7
Teacher Education	301	3	19.6	8	1	15.8	274	3	19.8
Engineering	434	4	22.2	46	4	17.1	368	4	23.0
Engineering-Related Technologies	239	2	20.8	33	3	16.7	198	2	21.4
Foreign Languages	23	0	23.1	1	0	27.0	22	0	22.9
Health Sciences & Allied Health Fields	2,710	24	20.5	362	34	17.4	2,258	26	21.0
Human, Family & Consumer Science	136	1	18.9	23	2	16.5	105	1	19.6
Letters	41	0	23.2	3	0	16.3	35	0	23.9
Mathematics	30	0	24.9	0	0	.	29	0	24.6
Philosophy, Religion & Theology	42	0	22.6	2	0	19.0	39	0	22.8
Sciences (Biological & Physical)	372	3	23.4	3	0	20.3	359	4	23.5
Social Sciences	586	5	21.8	6	1	18.8	565	7	21.9
Trade & Industrial	117	1	17.9	77	7	17.4	36	0	18.7
Visual & Performing Arts	447	4	20.8	38	4	17.0	380	4	21.4
Undecided	1,395	12	20.1	147	14	17.1	1,145	13	20.5
No Response	2,244	20	20.7	50	5	17.8	761	9	21.1

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	175	16.9	4	15.0	0	.	163	17.0	0	.	0	.	8	16.5
2-yr College Degree	876	17.5	18	16.4	4	15.5	795	17.5	7	16.9	3	24.0	49	18.0
Bachelors Degree	3,866	19.6	118	16.6	16	19.1	3,447	19.8	28	18.8	15	19.8	242	19.6
Graduate Study	1,512	22.1	46	18.6	4	18.0	1,343	22.2	8	24.8	9	21.4	102	23.1
Prof. Level Degree	3,217	22.3	96	18.6	12	22.3	2,768	22.4	30	22.2	47	24.8	264	22.1
Other	281	18.3	12	15.2	3	16.3	231	18.3	2	21.0	2	24.0	31	18.9
No Response	1,553	20.7	50	17.7	5	21.2	1,078	20.6	9	20.2	9	19.8	402	21.4

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	5,529	2,455	3,074	1	7	28	34	21	8	1
MARSHALL UNIVERSITY	West Virginia	3,887	1,311	2,576	1	10	31	33	20	5	0
FAIRMONT STATE UNIVERSITY	West Virginia	2,475	705	1,770	1	11	38	33	14	3	0
CONCORD UNIVERSITY	West Virginia	1,429	439	990	1	10	32	36	17	5	0
UNIVERSITY OF CHARLESTON THE	West Virginia	997	187	810	2	9	32	33	19	5	0
WEST VIRGINIA STATE UNIVERSITY	West Virginia	867	236	631	1	15	42	28	11	3	0
SHEPHERD UNIVERSITY	West Virginia	791	325	466	0	8	33	36	17	5	0
WEST VIRGINIA WESLEYAN COLLEGE	West Virginia	709	119	590	1	6	28	33	24	7	1
WEST VIRGINIA UNIV INST OF TECHNOLOGY	West Virginia	705	253	452	2	16	32	31	14	5	0
WEST LIBERTY STATE COLLEGE	West Virginia	701	239	462	1	11	35	33	16	3	0
WEST VIRGINIA HIGHER EDUC GRANT PROGRAM	West Virginia	691	323	368	2	11	29	31	21	6	0
GLENVILLE STATE COLLEGE	West Virginia	685	169	516	2	16	42	28	10	2	0
MOUNTAIN STATE UNIVERSITY	West Virginia	621	137	484	3	16	39	32	9	1	0
WEST VIRGINIA UNIVERSITY AT PARKERSBURG	West Virginia	578	242	336	3	12	39	31	12	2	0
ALDERSON BROADDUS COLLEGE	West Virginia	556	128	428	1	8	35	33	19	4	0
BLUEFIELD STATE COLLEGE	West Virginia	522	156	366	2	19	41	30	8	1	0
POTOMAC STATE COLLEGE OF WVU	West Virginia	503	185	318	2	15	41	30	11	2	0
WHEELING JESUIT UNIVERSITY	West Virginia	366	46	320	1	8	28	33	25	5	1
DAVIS AND ELKINS COLLEGE	West Virginia	337	50	287	2	15	35	31	15	1	0
SOUTHERN WEST VIRGINIA C TECH C-LOGAN	West Virginia	315	144	171	3	23	44	21	9	0	0
OHIO STATE UNIVERSITY THE	Ohio	282	44	238	1	6	16	28	32	17	1
FAIRMONT STATE COMM & TECH COLLEGE	West Virginia	234	79	155	4	20	47	23	6	0	0
VIRGINIA TECH	Virginia	226	41	185	1	4	19	25	28	21	2
UNIVERSITY OF KENTUCKY	Kentucky	224	32	192	0	5	21	34	25	14	2
BETHANY COLLEGE	West Virginia	208	38	170	2	9	24	33	25	6	0
NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE	Iowa	191	57	134	2	12	38	27	16	6	1
WEST VIRGINIA NORTHERN COMMUNITY COLL	West Virginia	181	50	131	4	23	46	20	6	1	0
NEW RIVER COMMUNITY AND TECHNICAL COLL	West Virginia	152	65	87	3	21	40	32	4	1	0
MARIETTA COLLEGE	Ohio	148	33	115	1	5	22	32	26	11	1
OHIO VALLEY UNIVERSITY	West Virginia	145	33	112	1	8	35	37	13	6	0
All Other Institutions		7,184	1,492	5,692	1	8	25	29	23	13	2
Total		32,439	9,813	22,626	1	10	31	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	6,549	532,943	21.1	22.3	6.4	7.6	19.8	21.8
African Am./Black	178	50,340	17.5	17.2	5.9	6.7	16.7	17.3
Am. Indian/Alaska Native	20	3,462	21.5	19.8	6.0	7.0	19.7	19.4
Caucasian Am./White	5,614	308,578	21.1	23.4	6.4	7.6	19.8	22.6
Hispanic	49	42,588	21.4	18.8	6.6	7.3	20.2	19.0
Asian Am./Pacific Islander	58	25,616	23.3	23.2	7.1	8.0	22.2	22.8
Other/No Response	630	102,359	21.7	23.2	6.6	7.8	20.5	22.7
Males	2,767	204,427	20.9	22.0	6.1	7.3	19.4	21.3
Females	3,500	285,556	21.3	22.5	6.6	7.7	20.1	22.1
Missing	282	42,960	21.5	23.0	6.5	7.8	20.3	22.6

