

ACT High School Profile Report

The Graduating Class of 2006
West Virginia



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This report provides information about the performance of your 2006 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 - college 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: A Test Like No Other

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 2006 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. 10,990 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. 27% 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, 9% were college ready. 26% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 6% of these students were college ready. In comparison, 46% 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 49% of the cohort took less than three years of natural science courses. 15% of these students were college ready. In comparison, 31% of students who took at least three years of science coursework were college ready.

EVALUATING RIGOR OF COURSES. Table 2.4 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.

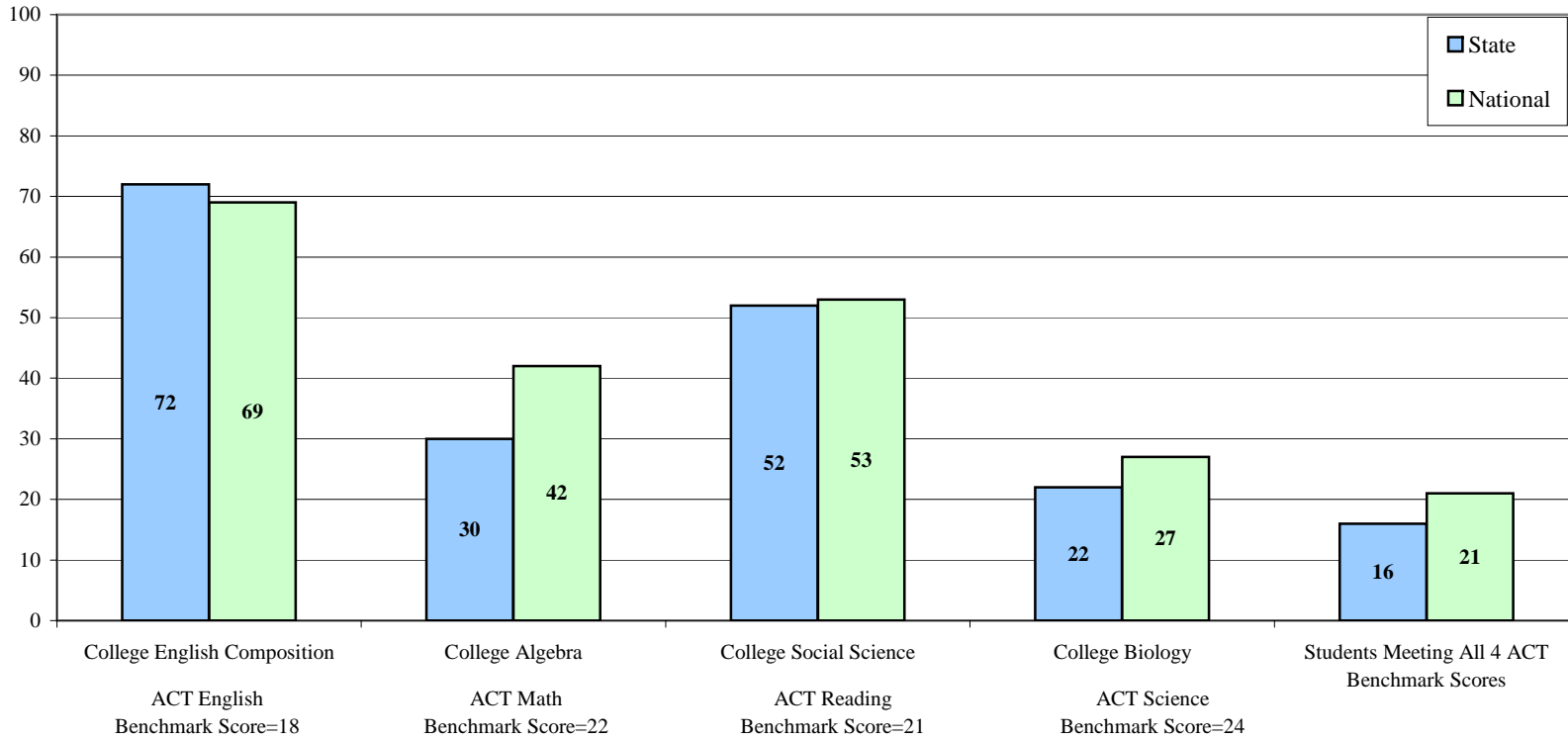
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 courses.

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
2002	11,451	1,116,082	70	67	26	39	52	53	21	26	14	20
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

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
2002	11,451	1,116,082	20.3	20.2	19.1	20.6	21.0	21.1	20.4	20.8	20.3	20.8
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

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2002	1,116,082	20.2	20.6	21.1	20.8	20.8
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

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
2002	3,981	7,062	35	62	21.9	19.5	20.4	18.4	22.2	20.3	21.4	19.8	21.6	19.6
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

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

	2002			2003			2004			2005			2006		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	11,451	100	20.3	11,728	100	20.3	11,486	100	20.5	11,451	100	20.4	10,990	100	20.6
African American/Black	337	3	16.8	375	3	16.9	366	3	17.5	350	3	17.5	333	3	17.7
American Indian/Alaskan Native	38	0	18.9	29	0	18.7	27	0	18.3	34	0	20.1	47	0	20.3
Caucasian American/White	10,303	90	20.4	10,526	90	20.4	10,287	90	20.5	10,274	90	20.5	9,600	87	20.7
Hispanic	65	1	20.2	69	1	19.8	73	1	20.1	65	1	19.8	86	1	21.3
Asian American/Pacific Islander	109	1	22.5	122	1	22.6	110	1	23.5	101	1	23.0	110	1	23.4
Other/No Response	599	5	20.3	607	5	20.5	623	5	20.7	627	5	20.8	814	7	20.8

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	5	100	8	100	32	100	18	100	1	100	36
35	51	100	17	100	60	100	25	100	7	100	35
34	98	99	33	100	120	99	23	100	11	100	34
33	81	99	21	99	130	98	29	99	32	100	33
32	108	98	36	99	147	97	50	99	56	100	32
31	158	97	69	99	216	96	78	99	84	99	31
30	203	95	86	98	223	94	29	98	145	98	30
29	288	94	146	98	280	92	116	98	194	97	29
28	311	91	165	96	310	89	162	97	233	95	28
27	289	88	299	95	365	86	181	95	338	93	27
26	461	86	407	92	553	83	541	94	438	90	26
25	597	81	411	88	543	78	415	89	555	86	25
24	646	76	554	85	564	73	777	85	630	81	24
23	607	70	504	80	825	68	865	78	739	75	23
22	778	64	561	75	703	60	859	70	874	68	22
21	925	57	657	70	631	54	1,077	62	907	61	21
20	962	49	729	64	775	48	1,217	52	986	52	20
19	760	40	705	57	823	41	1,180	41	1,010	43	19
18	615	33	904	51	584	34	965	30	1,020	34	18
17	599	28	1,468	43	775	28	677	22	847	25	17
16	584	22	1,407	29	485	21	541	16	709	17	16
15	585	17	983	16	505	17	352	11	502	11	15
14	450	12	572	7	601	12	266	7	345	6	14
13	224	8	172	2	308	7	217	5	211	3	13
12	175	6	67	1	252	4	127	3	92	1	12
11	147	4	6	1	115	2	106	2	20	1	11
10	103	3	1	1	37	1	67	1	3	1	10
9	80	2	2	1	16	1	19	1	1	1	9
8	70	1	0	1	7	1	7	1	0	1	8
7	22	1	0	1	3	1	4	1	0	1	7
6	7	1	0	1	1	1	0	1	0	1	6
5	1	1	0	1	1	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
Average	20.8		19.6		21.2		20.5		20.6		Average

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	262	100	41	100	106	100	200	100	143	100	35	100	21	100	18
17	353	98	142	100	452	99	410	98	169	99	53	100	57	100	17
16	382	94	384	98	384	95	573	94	478	97	97	99	141	99	16
15	565	91	700	95	530	91	668	89	370	93	220	98	231	98	15
14	667	86	791	88	655	87	800	83	527	89	577	96	580	96	14
13	766	80	960	81	948	81	923	76	981	85	456	91	844	91	13
12	1,048	73	1,130	73	1,299	72	1,299	67	1,072	76	1,313	87	988	83	12
11	1,110	63	1,654	62	1,175	60	1,006	56	828	66	1,013	75	934	74	11
10	1,350	53	1,343	47	1,153	50	1,041	47	1,240	58	1,967	66	2,276	65	10
9	1,217	41	1,398	35	1,412	39	1,088	37	988	47	2,369	48	1,537	45	9
8	1,024	30	1,013	22	1,298	26	800	27	1,733	38	1,148	26	1,292	31	8
7	870	20	604	13	695	14	678	20	1,495	22	385	16	915	19	7
6	632	13	394	8	513	8	812	14	654	9	609	12	668	11	6
5	346	7	304	4	193	3	401	6	184	3	453	7	33	5	5
4	242	4	92	1	99	2	219	3	92	1	90	3	336	4	4
3	118	1	28	1	56	1	57	1	25	1	155	2	18	1	3
2	37	1	12	1	18	1	15	1	9	1	17	1	97	1	2
1	1	1	0	1	4	1	0	1	2	1	33	1	22	1	1
Average	10.5		10.7		10.7		10.8		10.2		9.7		9.8		Average

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

Table 2.3. 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	10,990	27	22.0	20.2
	African Am./Black	333	21	18.9	17.4
	Am. Indian/Alaskan Native	47	17	23.1	20.1
	Caucasian Am./White	9,600	27	22.0	20.2
	Hispanic	86	34	22.4	20.8
	Asian Am./Pacific Islander	110	36	24.2	22.6
	Other/No Response	814	21	22.9	20.2
National	All Students	1,206,455	54	22.0	19.7
	African Am./Black	139,118	53	17.8	16.2
	Am. Indian/Alaskan Native	13,635	48	20.2	17.5
	Caucasian Am./White	760,084	56	22.9	20.6
	Hispanic	85,796	52	19.5	17.6
	Asian Am./Pacific Islander	39,867	60	22.9	21.1
	Other/No Response	167,955	41	22.2	19.8

Table 2.4. 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	235	2	79	1	342	3	95	1
	28 to 32	1,068	10	502	5	1,176	11	435	4
	24 to 27	1,993	18	1,671	15	2,025	18	1,914	17
	20 to 23	3,272	30	2,451	22	2,934	27	4,018	37
	16 to 19	2,558	23	4,484	41	2,667	24	3,363	31
	13 to 15	1,259	11	1,727	16	1,414	13	835	8
	01 to 12	605	6	76	1	432	4	330	3
National	33 to 36	35,933	3	24,395	2	56,816	5	18,798	2
	28 to 32	126,394	10	103,455	9	150,082	12	67,815	6
	24 to 27	205,310	17	250,510	21	224,470	19	238,007	20
	20 to 23	321,306	27	264,179	22	280,741	23	419,135	35
	16 to 19	267,738	22	399,519	33	269,040	22	326,445	27
	13 to 15	149,825	12	154,528	13	156,903	13	90,944	8
	01 to 12	99,949	8	9,869	1	68,403	6	45,311	4

Table 2.5. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	4,702	43	20.3	20.3	20.9	21.0	20.8
	Females	6,019	55	21.2	19.0	21.4	20.1	20.6
	Missing	269	2	20.5	19.3	21.1	20.3	20.4
National	Males	517,563	43	20.1	21.5	21.1	21.4	21.2
	Females	646,688	54	21.0	20.3	21.6	20.5	21.0
	Missing	42,204	3	20.6	21.1	21.6	20.8	21.1

Table 2.6. 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	37	50	27	20
	Females	75	25	54	18	13
National	Males	66	47	51	32	25
	Females	71	37	55	23	18

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

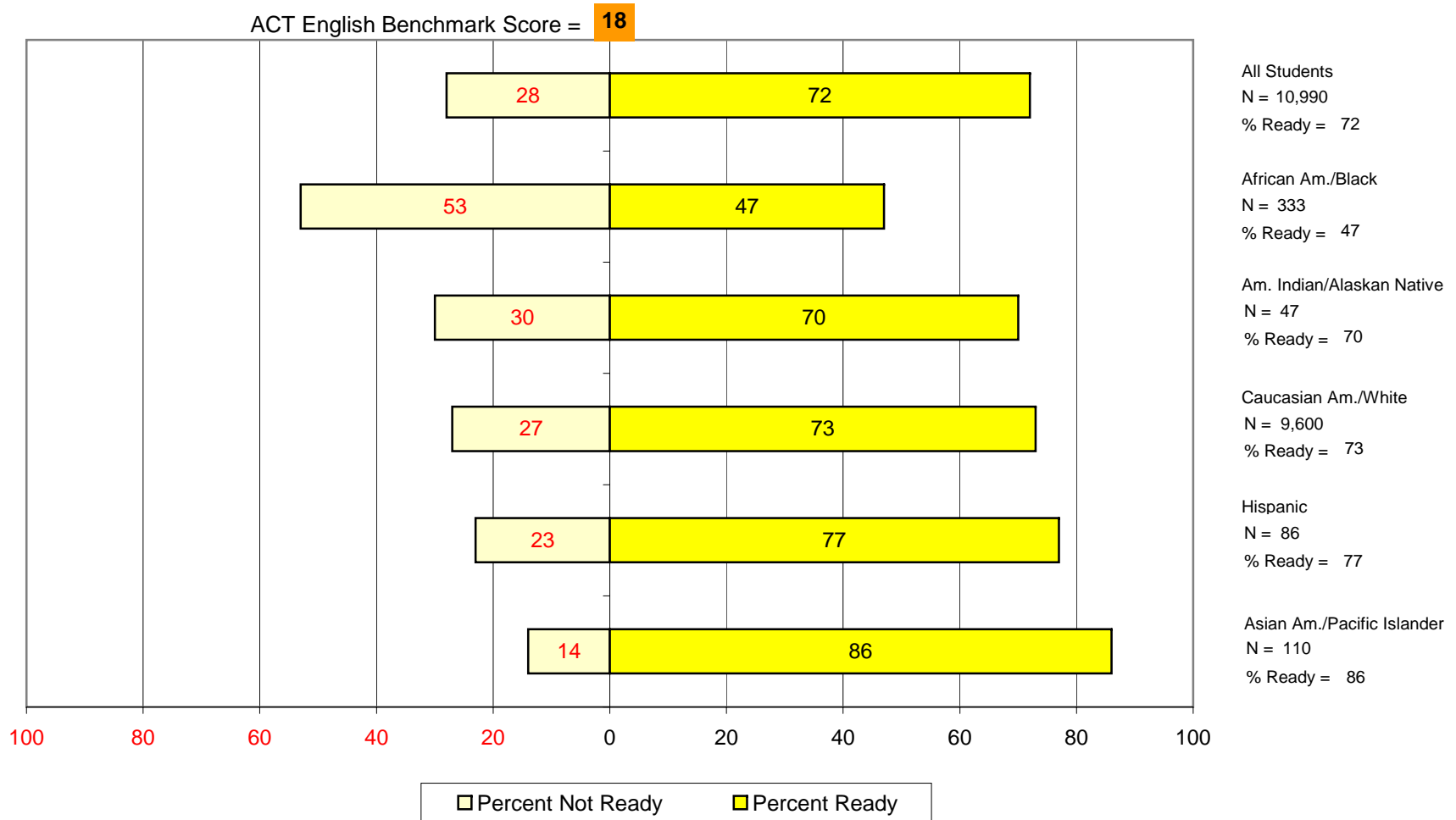


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

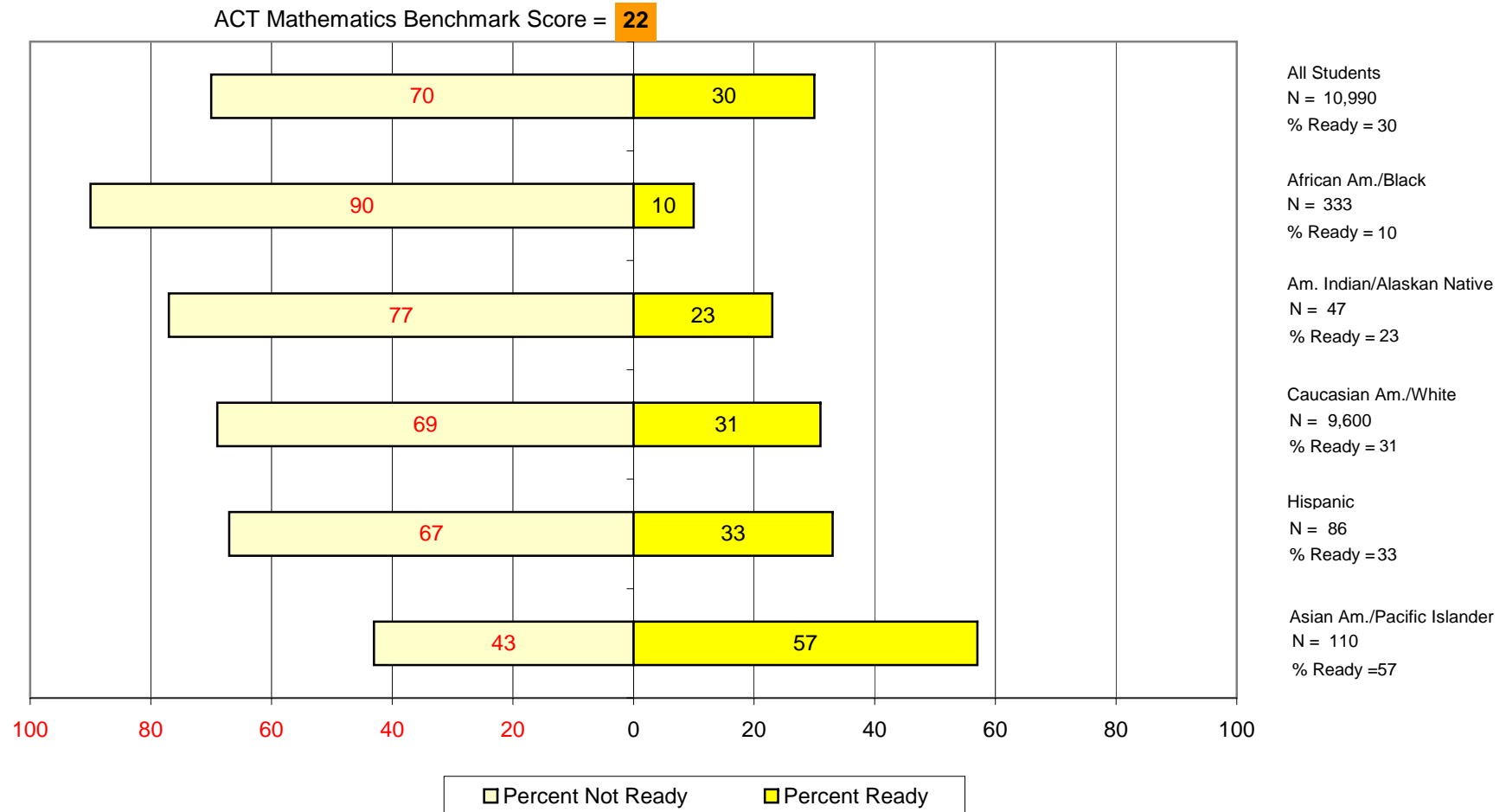


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

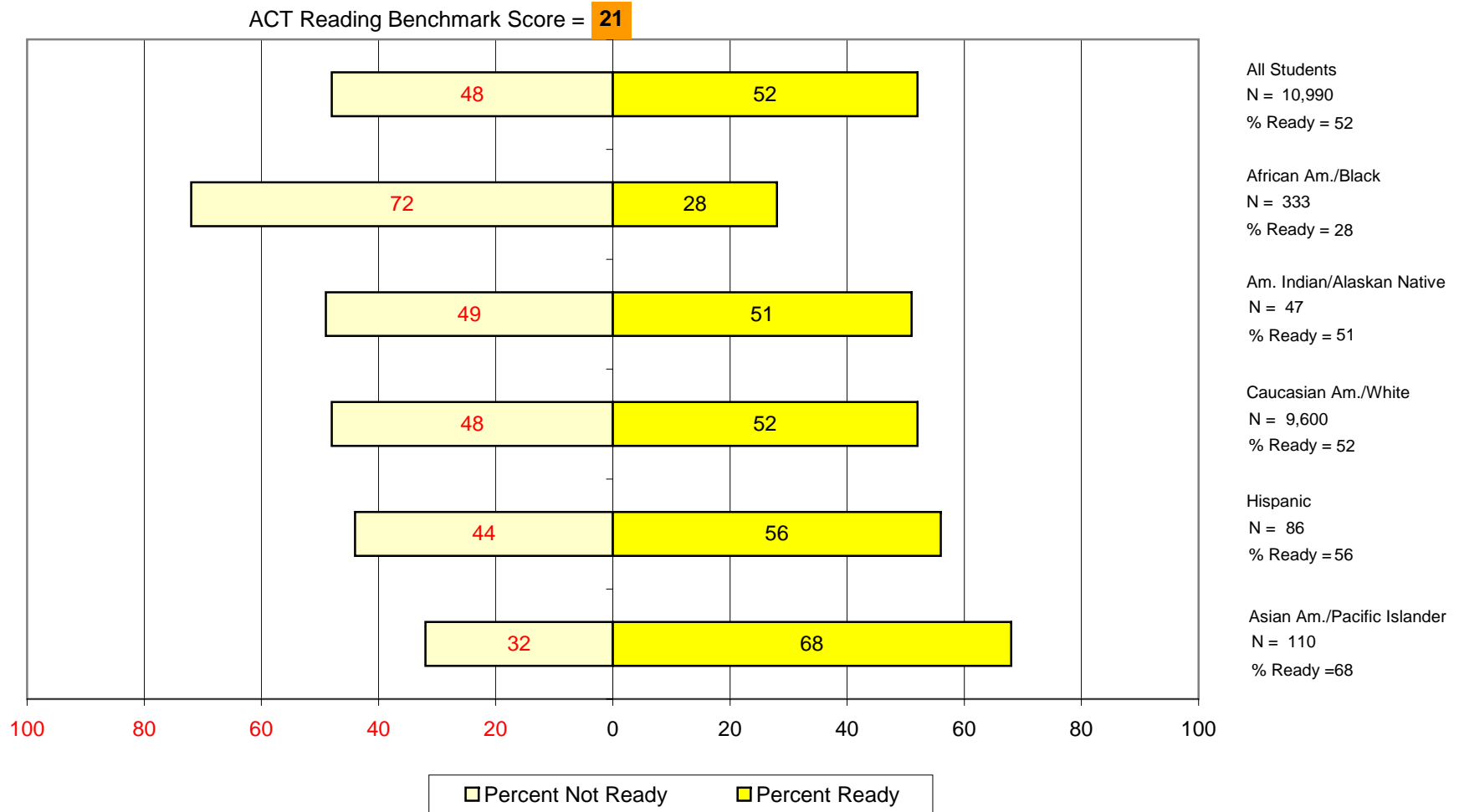


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

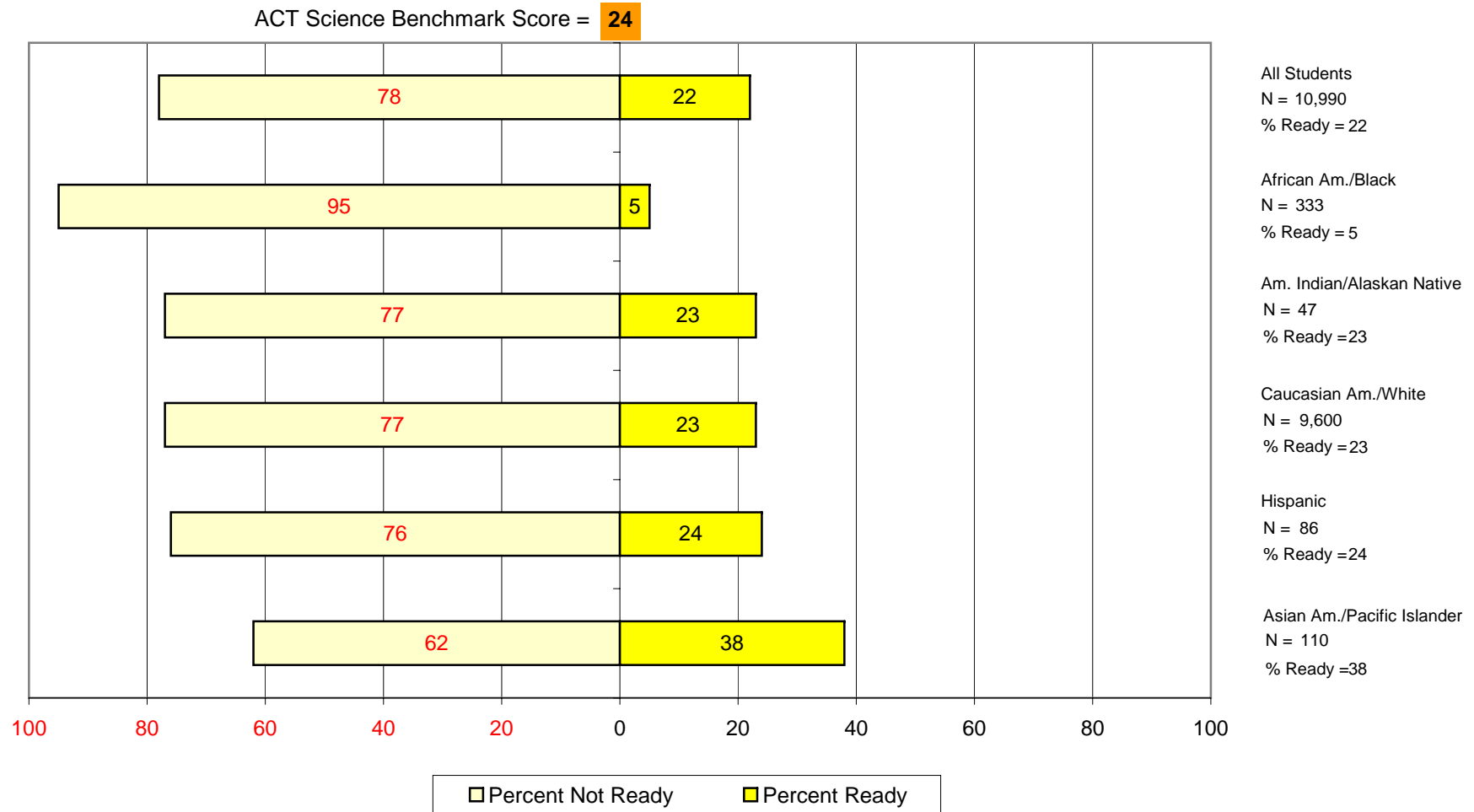


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

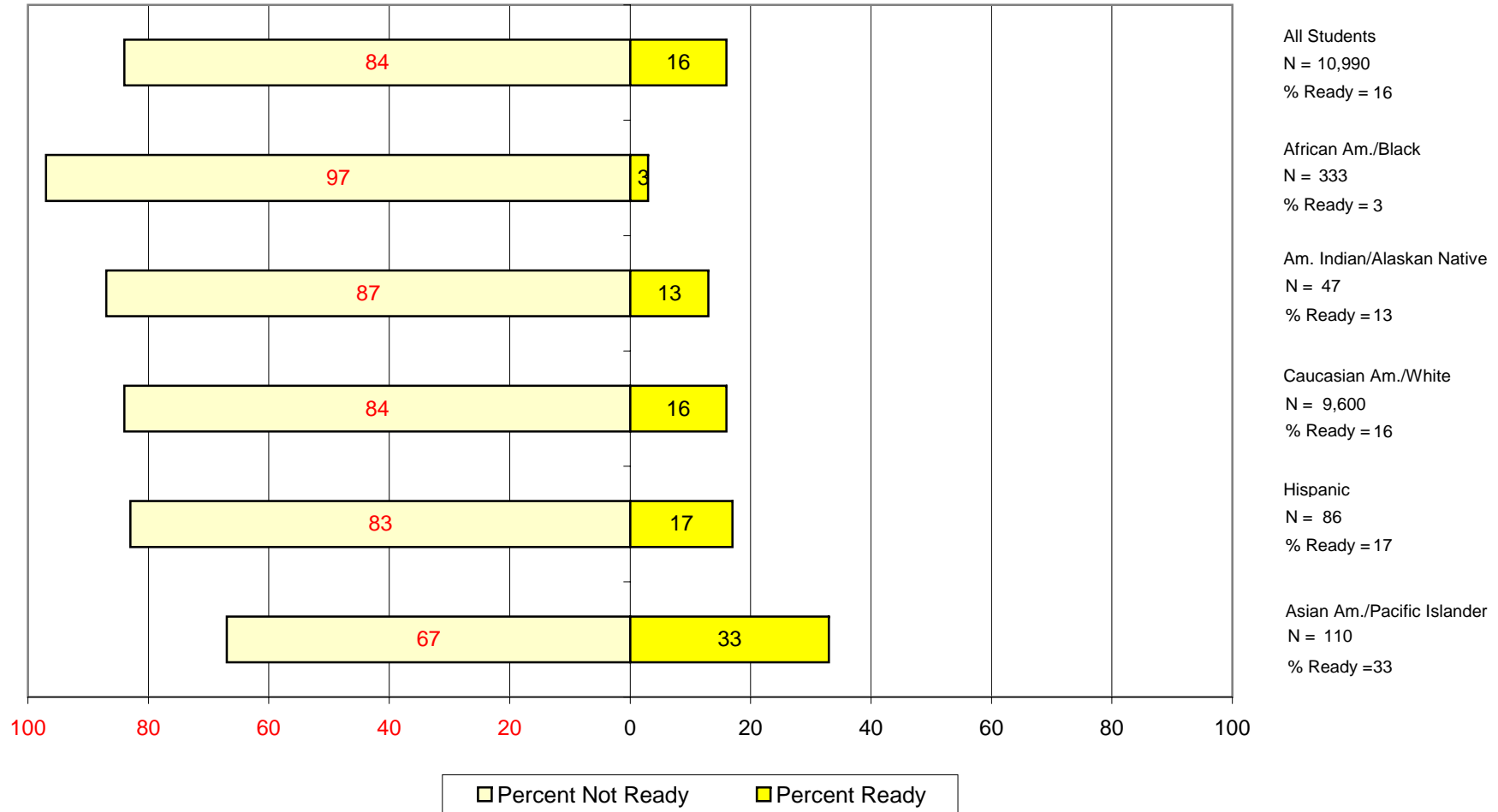


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	2,614	24	22.3	1.8	933	20	21.9	1.4	1,646	27	22.6	2.1
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	6,912	63	20.3	-0.2	3,042	65	19.9	-0.6	3,733	62	20.7	0.2
Less than 4 years of English	701	6	20.5	-	342	7	20.5	-	327	5	20.5	-
No English course/grade information reported	763	7	20.2	-	385	8	19.6	-	313	5	20.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	567	5	23.5	6.7	275	6	24.2	6.9	286	5	22.7	6.3
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,236	11	21.2	4.4	429	9	22.3	5.0	789	13	20.6	4.2
Alg 1, Alg 2, Geom, & Trig	1,574	14	19.6	2.8	649	14	20.2	2.9	897	15	19.2	2.8
Alg 1, Alg 2, Geom, & Other Adv Math	553	5	18.7	1.9	187	4	19.2	1.9	356	6	18.4	2.0
Other comb of 4 or more years of Math	1,980	18	23.3	6.5	1,004	21	24.1	6.8	951	16	22.5	6.1
Alg 1, Alg 2, & Geom (Min. Core)	2,824	26	17.0	0.2	1,050	22	17.5	0.2	1,705	28	16.7	0.3
Other comb of 3 or 3.5 years of Math	283	3	17.7	0.9	158	3	17.9	0.6	117	2	17.3	0.9
Less than 3 years of Math	1,156	11	16.8	-	541	12	17.3	-	578	10	16.4	-
No Math course/grade information reported	817	7	19.0	-	409	9	19.2	-	340	6	18.6	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	323	3	21.1	0.3	158	3	20.6	0.1	156	3	21.3	0.3
Other comb of 4 or more years Social Science	2,175	20	22.1	1.3	853	18	21.7	1.2	1,278	21	22.3	1.3
US Hist, World Hist, & Am Gov (Min. Core)	409	4	20.4	-0.4	201	4	20.0	-0.5	203	3	20.7	-0.3
Other comb of 3 or 3.5 years of Social Science	2,726	25	21.6	0.8	1,031	22	21.6	1.1	1,661	28	21.6	0.6
Less than 3 years of Social Science	4,502	41	20.8	-	2,025	43	20.5	-	2,373	39	21.0	-
No Soc Sci course/grade information reported	855	8	20.6	-	434	9	20.2	-	348	6	21.1	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,565	14	22.6	3.0	725	15	23.7	3.8	825	14	21.7	2.3
Bio, Chem, Phys	140	1	22.2	2.6	72	2	22.6	2.7	65	1	22.0	2.6
Gen Sci ² , Bio, Chem (Min. Core)	2,325	21	20.7	1.1	749	16	21.1	1.2	1,548	26	20.5	1.1
Other comb of 3 years of Natural Science	755	7	22.1	2.5	451	10	22.8	2.9	291	5	21.1	1.7
Less than 3 years of Natural Science	5,336	49	19.6	-	2,272	48	19.9	-	2,928	49	19.4	-
No Nat Sci course/grade information reported	869	8	19.8	-	433	9	19.9	-	362	6	19.6	-

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	2,614	24	22.3	83	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	6,912	63	20.3	69	668,226	55	20.4	67
Less than 4 years of English	701	6	20.5	70	115,551	10	19.4	62
No English course/grade information reported	763	7	20.2	70	150,124	12	20.3	67
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	567	5	23.5	67	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,236	11	21.2	46	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	1,574	14	19.6	29	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	553	5	18.7	20	153,394	13	20.3	37
Other comb of 4 or more years of Math	1,980	18	23.3	64	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	2,824	26	17.0	6	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	283	3	17.7	11	54,965	5	20.6	40
Less than 3 years of Math	1,156	11	16.8	9	131,567	11	17.9	18
No Math course/grade information reported	817	7	19.0	25	158,635	13	20.8	42
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	323	3	21.1	52	31,335	3	22.7	60
Other comb of 4 or more years Social Science	2,175	20	22.1	59	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	409	4	20.4	44	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	2,726	25	21.6	55	325,879	27	21.3	52
Less than 3 years of Social Science	4,502	41	20.8	48	179,270	15	20.5	46
No Soc Sci course/grade information reported	855	8	20.6	46	158,406	13	21.2	52
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	1,565	14	22.6	41	320,821	27	22.3	38
Bio, Chem, Phys	140	1	22.2	40	115,519	10	23.2	45
Gen Sci ¹ , Bio, Chem (Min. Core)	2,325	21	20.7	23	339,689	28	20.2	19
Other comb of 3 years of Natural Science	755	7	22.1	35	32,330	3	20.5	24
Less than 3 years of Natural Science	5,336	49	19.6	15	234,307	19	19.1	14
No Nat Sci course/grade information reported	869	8	19.8	17	163,789	14	20.7	26

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	22	2	17.8	138	2	19.0
Architecture & Environmental Design	122	1	21.1	8	1	16.3	109	1	21.7
Business & Management	751	7	20.2	62	7	17.8	665	8	20.4
Business & Office	58	1	19.8	17	2	17.8	40	0	20.6
Marketing & Distribution	44	0	20.5	2	0	19.5	40	0	21.0
Communications & Comm. Technologies	194	2	21.3	10	1	19.4	180	2	21.5
Community & Personal Services	370	3	18.7	39	4	16.6	306	3	19.0
Computer & Information Sciences	275	3	21.5	23	3	18.5	246	3	21.8
Cross-Disciplinary Studies	7	0	22.3	0	0	.	7	0	22.3
Education	497	5	20.3	15	2	15.4	464	5	20.6
Teacher Education	301	3	20.2	6	1	16.0	282	3	20.2
Engineering	403	4	22.4	36	4	17.4	354	4	23.1
Engineering-Related Technologies	297	3	21.4	37	4	18.4	251	3	21.9
Foreign Languages	34	0	21.5	1	0	11.0	32	0	21.9
Health Sciences & Allied Health Fields	2,783	25	20.4	357	39	17.5	2,332	26	20.9
Human, Family & Consumer Science	108	1	18.4	30	3	16.6	72	1	19.1
Letters	53	0	23.1	0	0	.	51	1	23.3
Mathematics	15	0	22.3	0	0	.	14	0	22.5
Philosophy, Religion & Theology	51	0	20.9	3	0	16.3	46	1	21.2
Sciences (Biological & Physical)	393	4	23.6	5	1	17.0	376	4	23.8
Social Sciences	620	6	21.8	10	1	15.4	588	7	22.0
Trade & Industrial	103	1	17.9	66	7	17.3	30	0	18.6
Visual & Performing Arts	499	5	20.7	27	3	18.7	438	5	20.9
Undecided	923	8	20.6	71	8	17.3	795	9	21.0
No Response	1,914	17	20.4	69	8	17.8	949	11	20.8

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/ Alaskan 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	134	17.3	3	16.3	0	.	124	17.4	2	16.5	0	.	5	16.2
2-yr College Degree	782	17.5	27	15.8	6	15.5	699	17.6	2	22.5	1	18.0	47	17.6
Bachelors Degree	4,020	19.8	115	16.6	15	21.8	3,587	19.9	24	19.0	20	19.8	259	19.7
Graduate Study	1,563	22.2	39	18.8	4	20.0	1,385	22.2	14	23.2	12	24.3	109	22.2
Prof. Level Degree	3,222	22.2	98	19.7	17	21.2	2,797	22.2	35	22.8	64	24.3	211	22.6
Other	303	18.5	19	16.3	2	20.0	250	18.6	1	19.0	2	18.0	29	18.3
No Response	966	20.2	32	16.4	3	18.0	758	20.2	8	19.5	11	25.4	154	20.9

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	5,297	2,317	2,980	1	6	29	35	22	7	0
MARSHALL UNIVERSITY	West Virginia	3,778	1,269	2,509	1	8	33	35	17	5	0
FAIRMONT STATE UNIVERSITY	West Virginia	2,372	694	1,678	1	10	38	35	14	3	0
CONCORD UNIVERSITY	West Virginia	1,248	391	857	2	11	36	32	15	4	0
SHEPHERD UNIVERSITY	West Virginia	828	326	502	1	7	32	36	17	7	0
UNIVERSITY OF CHARLESTON THE	West Virginia	820	150	670	1	10	36	33	15	4	0
WEST VIRGINIA STATE UNIVERSITY	West Virginia	766	209	557	2	14	41	33	8	3	0
WEST LIBERTY STATE COLLEGE	West Virginia	702	220	482	1	10	39	36	13	2	0
WEST VIRGINIA HIGHER EDUC GRANT PROGRAM	West Virginia	694	289	405	2	9	31	35	19	4	0
WEST VIRGINIA WESLEYAN COLLEGE	West Virginia	691	130	561	0	4	26	37	23	8	0
GLENVILLE STATE COLLEGE	West Virginia	680	173	507	2	17	43	27	9	2	0
WEST VIRGINIA UNIV INST OF TECHNOLOGY	West Virginia	667	205	462	2	12	34	29	16	6	0
MOUNTAIN STATE UNIVERSITY	West Virginia	635	139	496	2	14	44	26	12	2	0
WEST VIRGINIA UNIVERSITY AT PARKERSBURG	West Virginia	550	244	306	1	13	40	32	12	2	0
ALDERSON BROADDUS COLLEGE	West Virginia	492	113	379	1	8	37	32	16	5	0
BLUEFIELD STATE COLLEGE	West Virginia	490	146	344	3	15	44	29	8	1	0
POTOMAC STATE COLLEGE OF WVU	West Virginia	454	159	295	1	15	43	29	11	2	0
WHEELING JESUIT UNIVERSITY	West Virginia	350	63	287	1	5	30	40	20	5	0
DAVIS AND ELKINS COLLEGE	West Virginia	346	60	286	1	11	35	35	14	4	0
OHIO STATE UNIVERSITY THE	Ohio	286	36	250	0	3	22	30	31	13	0
SOUTHERN WEST VIRGINIA C TECH C-LOGAN	West Virginia	269	118	151	3	17	50	25	3	1	0
VIRGINIA TECH	Virginia	254	42	212	0	2	18	27	35	16	2
BETHANY COLLEGE	West Virginia	248	52	196	0	5	31	42	18	4	0
FAIRMONT STATE COMM & TECH COLLEGE	West Virginia	233	69	164	0	19	46	27	7	0	0
UNIVERSITY OF KENTUCKY	Kentucky	209	37	172	0	3	15	35	34	12	0
WEST VIRGINIA NORTHERN COMMUNITY COLL	West Virginia	203	69	134	2	18	48	24	7	0	0
MARIETTA COLLEGE	Ohio	158	30	128	0	3	18	29	36	13	0
OHIO UNIVERSITY	Ohio	158	28	130	1	5	20	35	24	14	1
NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE	Iowa	152	45	107	0	7	35	34	21	3	1
ST MARY'S/MARSHALL U COOP NURSING PRGM	West Virginia	138	16	122	3	12	51	26	7	1	0
All Other Institutions		7,212	1,577	5,635	1	8	25	29	23	13	1
Total		31,380	9,416	21,964	1	9	32	32	18	7	0

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	State	National
All Students	6,560	430,404	21.3	22.4	6.5	7.7	20.0	22.0
African Am./Black	175	38,583	18.5	17.5	5.9	6.8	17.5	17.6
Am. Indian/Alaskan Native	34	2,803	20.7	19.8	6.2	7.1	19.2	19.6
Caucasian Am./White	5,759	269,428	21.4	23.4	6.4	7.8	20.0	22.8
Hispanic	49	33,207	22.0	18.9	6.9	7.4	21.0	19.1
Asian Am./Pacific Islander	76	21,275	23.6	23.0	7.1	8.0	22.4	22.8
Other/No Response	467	65,108	21.8	22.8	6.7	7.9	20.6	22.5
Males	2,788	170,904	21.0	22.1	6.2	7.4	19.5	21.5
Females	3,624	240,056	21.6	22.6	6.7	7.9	20.5	22.3
Missing	148	19,444	21.0	22.1	6.5	7.8	19.9	21.9

