

ACT High School Profile Report

The Graduating Class of 2007
Maryland



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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

27% 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. 9,250 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. 52% 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 9% of the cohort took less than three years of math courses. Of these students, 33% were college ready. 12% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 11% of these students were college ready. In comparison, 57% 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 13% of the cohort took less than three years of natural science courses. 21% of these students were college ready. In comparison, 34% 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 42% 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.

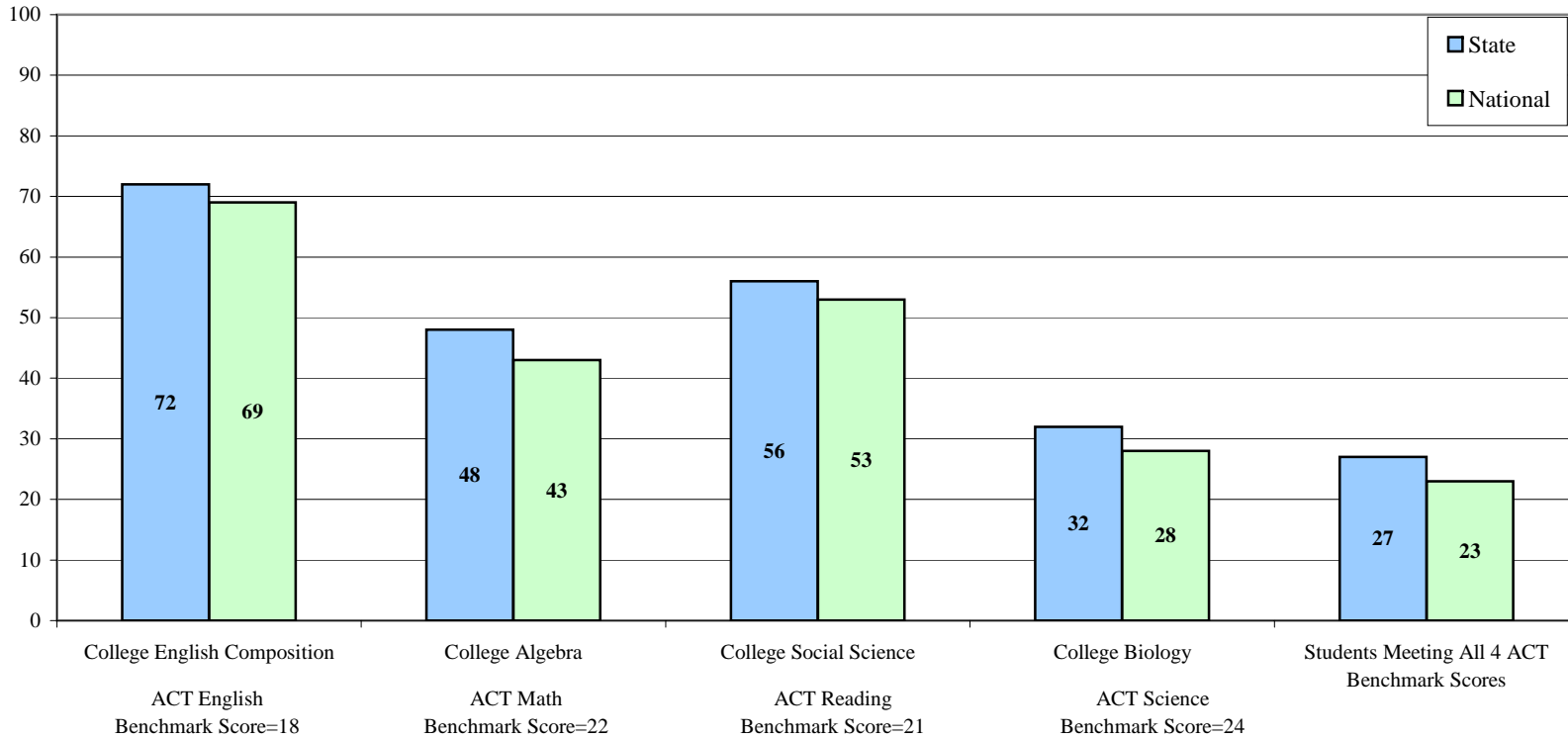
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 518-869-7378.

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	7,103	1,175,059	64	67	42	40	51	52	25	26	21	20
2004	7,189	1,171,460	66	68	40	40	51	52	26	26	21	21
2005	7,332	1,186,251	67	68	42	41	53	51	27	26	22	21
2006	7,758	1,206,455	71	69	47	42	56	53	29	27	25	21
2007	9,250	1,300,599	72	69	48	43	56	53	32	28	27	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	7,103	1,175,059	20.0	20.3	20.7	20.6	21.1	21.2	20.5	20.8	20.7	20.8
2004	7,189	1,171,460	20.3	20.4	20.6	20.7	21.3	21.3	20.6	20.9	20.8	20.9
2005	7,332	1,186,251	20.5	20.4	20.8	20.7	21.5	21.3	20.7	20.9	21.0	20.9
2006	7,758	1,206,455	21.1	20.6	21.4	20.8	21.9	21.4	20.9	20.9	21.4	21.1
2007	9,250	1,300,599	21.3	20.7	21.5	21.0	22.1	21.5	21.2	21.0	21.6	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	4,128	2,125	58	30	20.6	18.6	21.2	19.3	21.6	19.9	21.0	19.3	21.2	19.4
2004	4,122	2,084	57	29	20.8	19.1	21.1	19.5	21.7	20.2	21.0	19.6	21.3	19.7
2005	3,926	2,191	54	30	21.0	19.4	21.3	19.8	22.0	20.6	21.1	19.9	21.5	20.1
2006	4,032	2,330	52	30	21.4	20.3	21.7	20.6	22.2	21.2	21.1	20.3	21.7	20.8
2007	4,794	2,658	52	29	21.6	20.5	21.9	20.8	22.4	21.4	21.6	20.5	22.0	20.9

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	7,103	100	20.7	7,189	100	20.8	7,332	100	21.0	7,758	100	21.4	9,250	100	21.6
African American/Black	2,171	31	16.8	2,167	30	17.3	2,263	31	17.1	2,004	26	17.4	2,242	24	17.3
American Indian/Alaska Native	27	0	21.2	24	0	18.8	22	0	19.9	29	0	20.3	36	0	19.6
Caucasian American/White	3,602	51	22.6	3,587	50	22.6	3,582	49	22.9	3,632	47	23.3	4,304	47	23.3
Hispanic	219	3	20.2	231	3	20.1	206	3	21.3	268	3	20.6	254	3	21.3
Asian American/Pacific Islander	315	4	23.5	291	4	22.5	293	4	23.6	314	4	23.6	332	4	24.1
Other/No Response	769	11	21.7	889	12	21.9	966	13	22.2	1,511	19	22.1	2,082	23	22.6

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	21	100	33	100	58	100	40	100	2	100	36
35	81	100	71	100	99	99	62	100	28	100	35
34	177	99	100	99	161	98	25	99	45	100	34
33	132	97	86	98	240	97	87	99	84	99	33
32	144	96	134	97	256	94	100	98	117	98	32
31	197	94	194	95	321	91	74	97	181	97	31
30	222	92	180	93	318	88	165	96	235	95	30
29	254	89	323	91	310	84	181	94	328	93	29
28	364	87	333	88	401	81	209	92	377	89	28
27	345	83	405	84	378	77	308	90	473	85	27
26	427	79	494	80	373	73	427	86	489	80	26
25	578	74	539	75	349	68	625	82	568	74	25
24	485	68	617	69	501	65	660	75	583	68	24
23	520	63	463	62	600	59	611	68	513	62	23
22	551	57	448	57	389	53	790	61	607	57	22
21	644	51	460	52	444	49	754	53	645	50	21
20	623	44	434	47	652	44	842	45	614	43	20
19	522	38	492	43	490	37	666	36	539	36	19
18	368	32	571	37	359	31	642	28	535	31	18
17	350	28	677	31	420	28	488	21	529	25	17
16	419	24	890	24	493	23	298	16	427	19	16
15	375	20	639	14	344	18	262	13	445	14	15
14	371	16	412	7	365	14	233	10	332	10	14
13	232	12	140	3	324	10	153	8	248	6	13
12	198	9	76	1	288	7	179	6	166	3	12
11	173	7	19	1	161	3	147	4	85	2	11
10	159	5	11	1	86	2	119	2	34	1	10
9	96	3	4	1	20	1	51	1	10	1	9
8	120	2	3	1	22	1	23	1	9	1	8
7	72	1	1	1	13	1	13	1	0	1	7
6	16	1	1	1	9	1	8	1	2	1	6
5	10	1	0	1	1	1	3	1	0	1	5
4	4	1	0	1	1	1	1	1	0	1	4
3	0	1	0	1	3	1	1	1	0	1	3
2	0	1	0	1	0	1	1	1	0	1	2
1	0	1	0	1	1	1	2	1	0	1	1
Avg (SD)	21.3 (6.4)		21.5 (5.5)		22.1 (6.5)		21.2 (5.2)		21.6 (5.3)		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	321	100	72	100	203	100	383	100	358	100	89	100	99	100	18
17	537	97	179	99	612	98	619	96	541	96	133	99	108	99	17
16	405	91	515	97	587	91	802	89	658	90	311	98	294	98	16
15	451	86	688	92	566	85	886	80	606	83	482	94	625	95	15
14	777	81	769	84	600	79	641	71	778	77	741	89	835	88	14
13	633	73	871	76	563	72	784	64	819	68	1,029	81	878	79	13
12	763	66	1,050	67	982	66	746	56	803	59	829	70	913	69	12
11	792	58	1,149	55	857	56	638	47	707	51	1,023	61	1,007	59	11
10	955	49	964	43	812	46	726	41	843	43	1,328	50	1,116	49	10
9	724	39	824	32	806	37	686	33	603	34	1,070	36	1,226	36	9
8	780	31	851	23	911	29	541	25	809	27	816	24	757	23	8
7	546	23	451	14	570	19	518	19	958	19	527	15	573	15	7
6	484	17	339	9	452	13	635	14	482	8	319	9	197	9	6
5	502	12	257	6	287	8	361	7	148	3	296	6	260	7	5
4	306	6	164	3	222	5	195	3	94	1	69	3	130	4	4
3	174	3	80	1	146	2	55	1	34	1	148	2	148	3	3
2	86	1	25	1	54	1	31	1	4	1	1	1	38	1	2
1	14	1	2	1	20	1	3	1	5	1	39	1	46	1	1
Avg (SD)	10.7 (4.0)		11.0 (3.2)		10.9 (3.8)		11.5 (3.9)		11.4 (3.7)		10.6 (3.2)		10.7 (3.2)		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)	26	26	27	24	26
Q2 (50th Percentile)	21	21	22	21	22
Q1 (25th Percentile)	17	17	17	18	18

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	9,250	52	22.0	20.9
	African Am./Black	2,242	56	17.7	16.9
	Am. Indian/Alaska Native	36	56	20.7	18.9
	Caucasian Am./White	4,304	54	23.7	22.6
	Hispanic	254	52	21.7	20.5
	Asian Am./Pacific Islander	332	57	24.7	23.6
	Other/No Response	2,082	42	23.2	21.9
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	21.3	21.5	22.1	21.2	21.6
	African Am./Black	16.4	17.4	17.6	17.4	17.3
	Am. Indian/Alaska Native	18.5	19.8	20.3	19.7	19.6
	Caucasian Am./White	23.1	23.0	23.8	22.7	23.3
	Hispanic	20.7	21.4	21.6	20.8	21.3
	Asian Am./Pacific Islander	23.3	25.1	23.8	23.6	24.1
	Other/No Response	22.5	22.4	23.2	21.8	22.6
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	411	4	290	3	558	6	214	2
	28 to 32	1,181	13	1,164	13	1,606	17	729	8
	24 to 27	1,835	20	2,055	22	1,601	17	2,020	22
	20 to 23	2,338	25	1,805	20	2,085	23	2,997	32
	16 to 19	1,659	18	2,630	28	1,762	19	2,094	23
	13 to 15	978	11	1,191	13	1,033	11	648	7
	01 to 12	848	9	115	1	605	7	548	6
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	3,440	37	20.7	22.3	21.8	21.7	21.7
	Females	4,937	53	21.6	20.9	22.2	20.8	21.5
	Missing	873	9	21.8	21.9	22.4	21.4	22.0
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	53	55	37	32
	Females	73	44	57	28	24
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

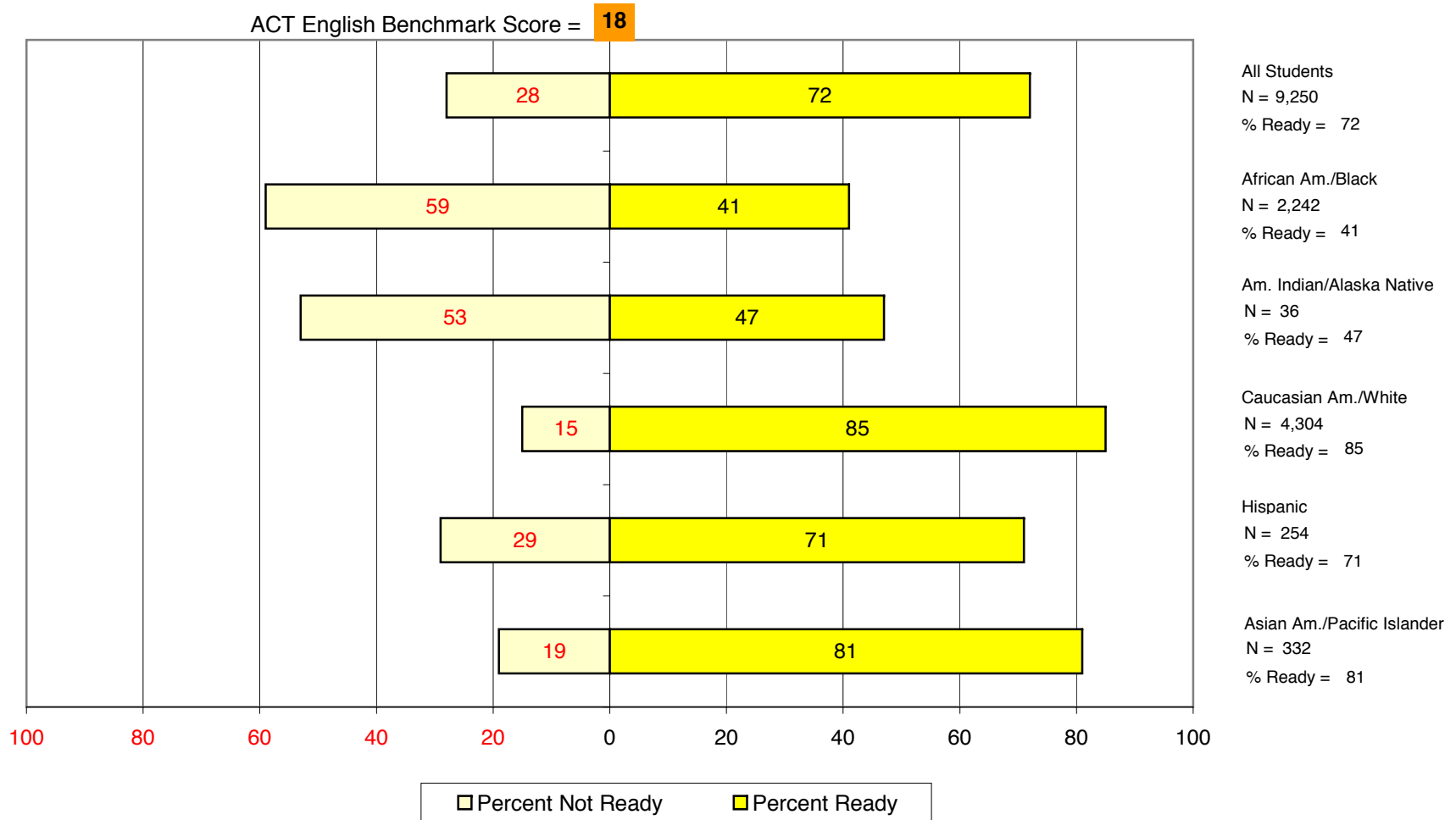


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

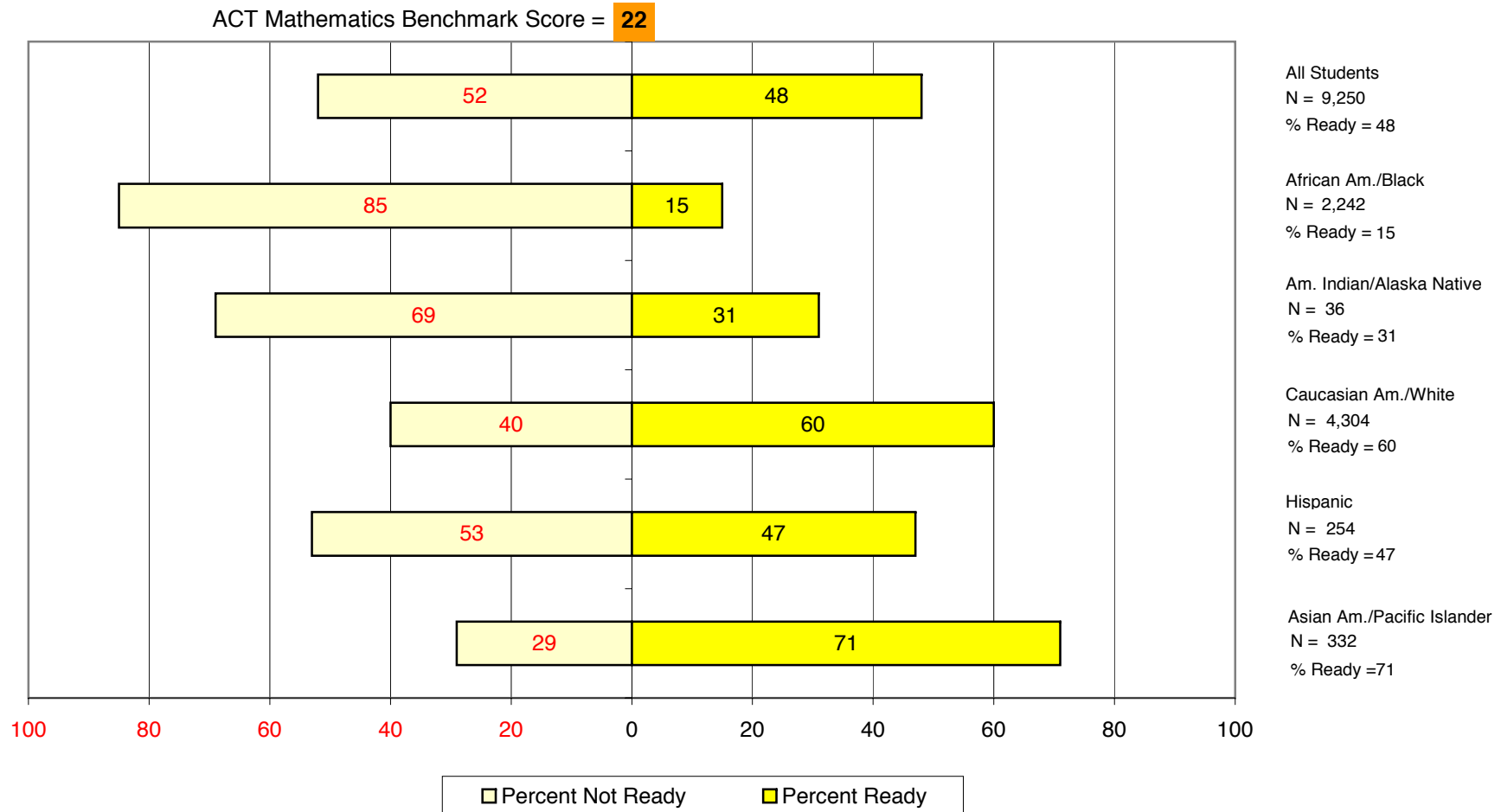


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

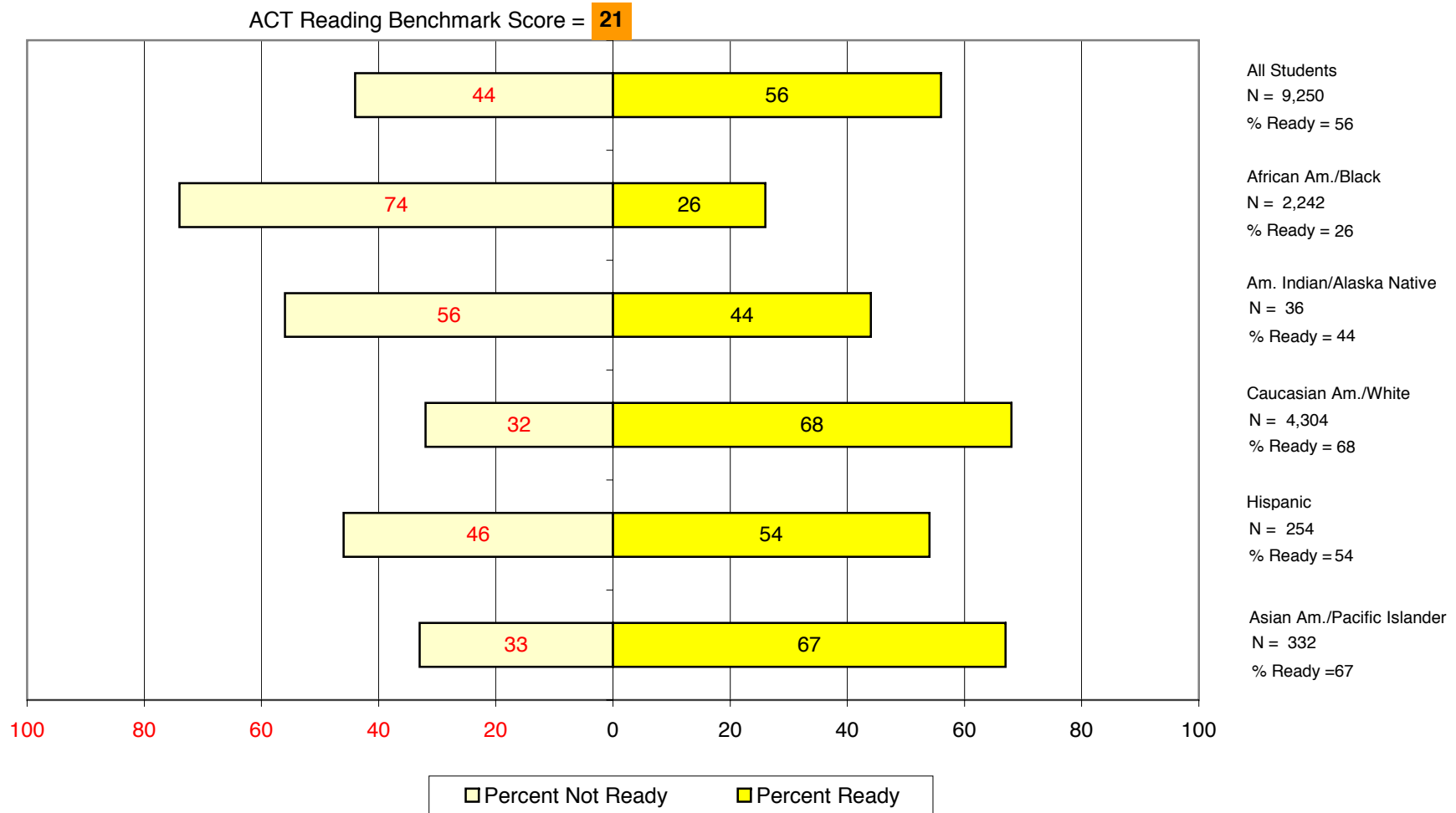


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

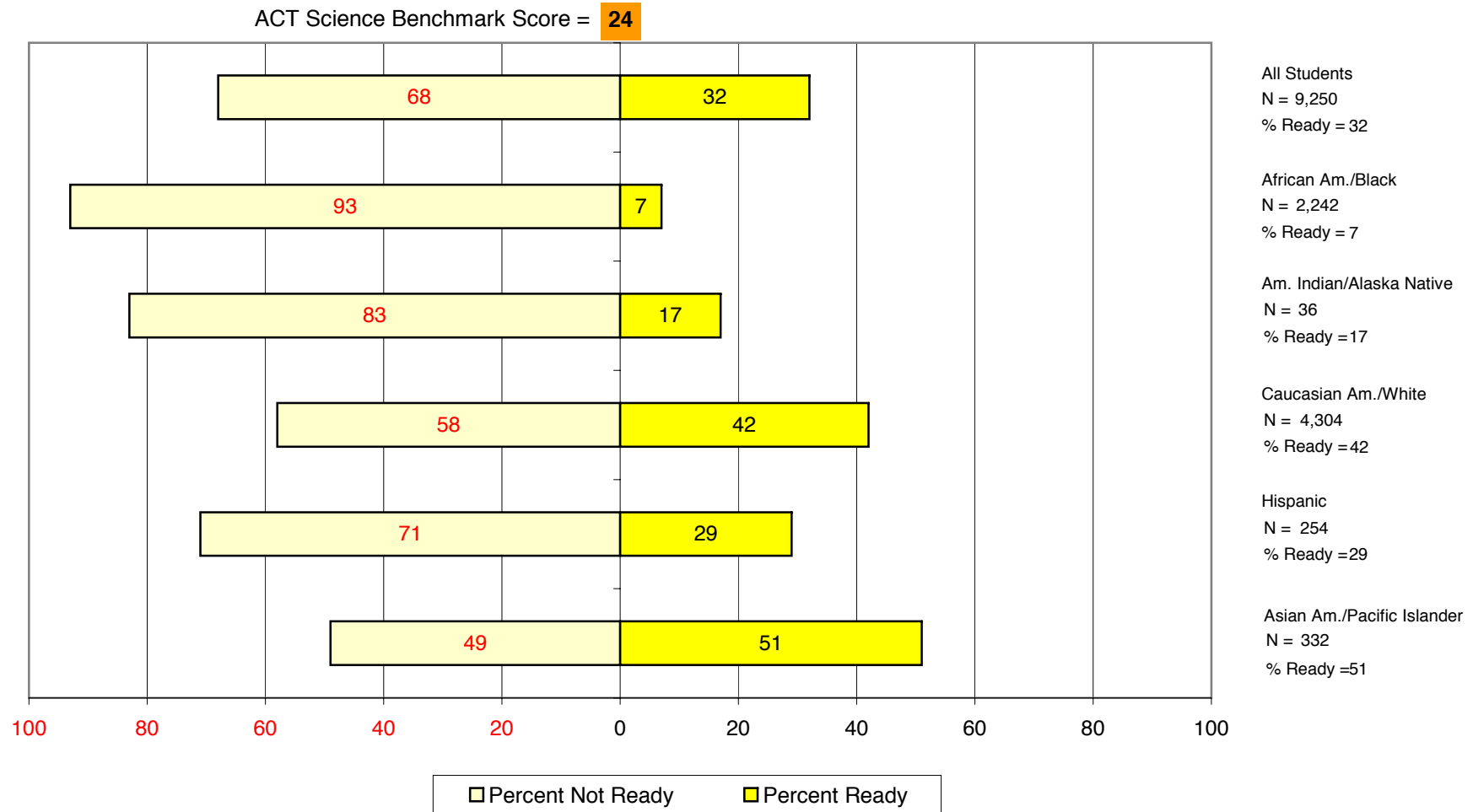


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

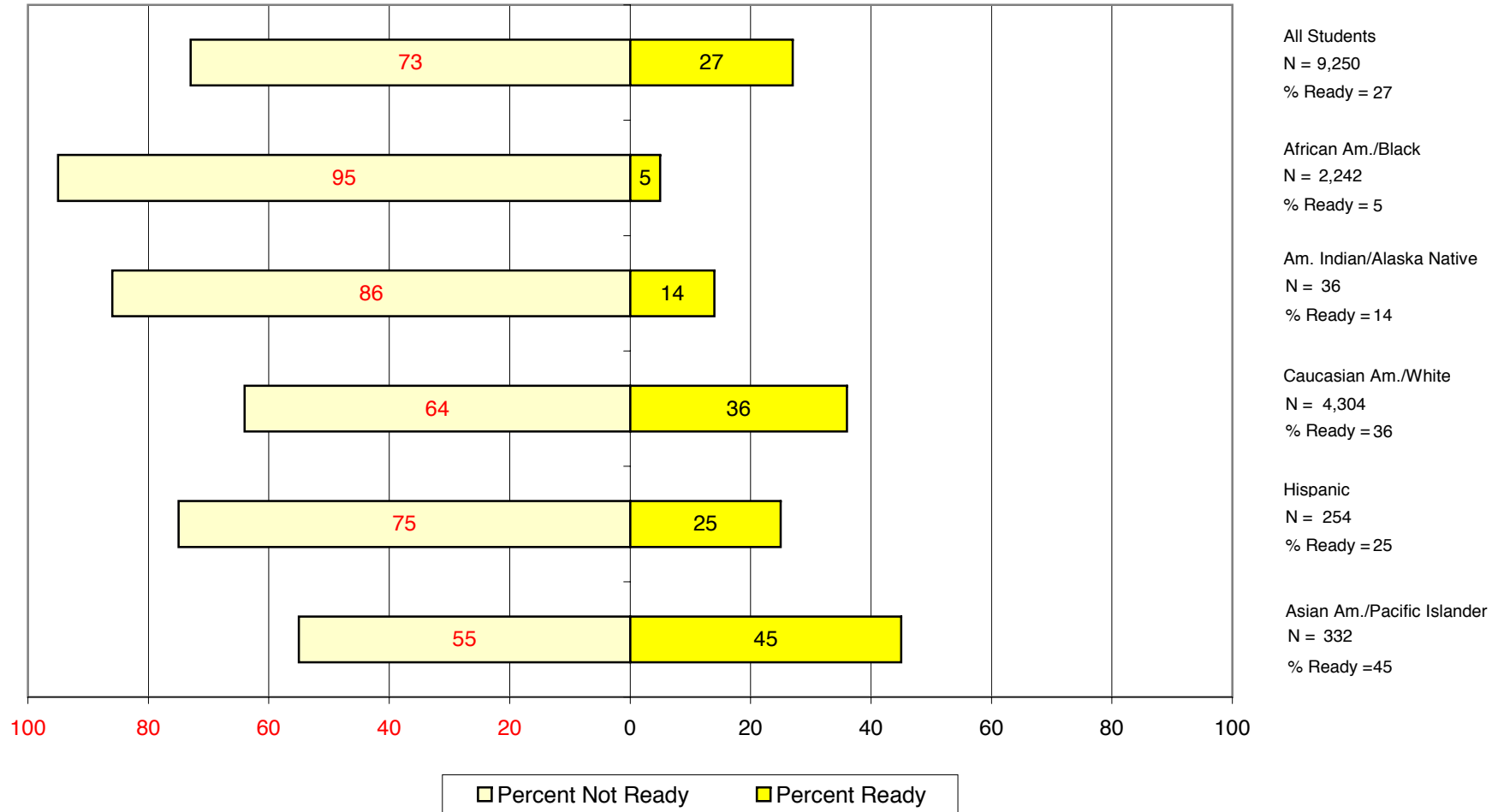


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	903	10	22.8	1.7	261	8	21.6	0.9	579	12	23.3	2.2
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	5,478	59	21.0	-0.1	2,048	60	20.5	-0.2	3,060	62	21.3	0.2
Less than 4 years of English	1,012	11	21.1	-	399	12	20.7	-	516	10	21.1	-
No English course/grade information reported	1,857	20	21.5	-	732	21	21.0	-	782	16	21.7	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	600	6	24.8	5.3	225	7	25.5	5.5	341	7	24.5	5.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	647	7	22.0	2.5	209	6	22.8	2.8	390	8	21.6	2.6
Alg 1, Alg 2, Geom, & Trig	754	8	19.6	0.1	290	8	20.5	0.5	411	8	18.8	-0.2
Alg 1, Alg 2, Geom, & Other Adv Math	1,069	12	20.1	0.6	326	9	20.6	0.6	661	13	19.9	0.9
Other comb of 4 or more years of Math	1,846	20	25.2	5.7	748	22	26.2	6.2	960	19	24.4	5.4
Alg 1, Alg 2, & Geom (Min. Core)	1,154	12	17.1	-2.4	418	12	17.3	-2.7	670	14	16.9	-2.1
Other comb of 3 or 3.5 years of Math	414	4	22.1	2.6	163	5	22.4	2.4	219	4	21.9	2.9
Less than 3 years of Math	800	9	19.5	-	299	9	20.0	-	441	9	19.0	-
No Math course/grade information reported	1,966	21	21.7	-	762	22	22.3	-	844	17	21.1	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	554	6	23.2	0.9	238	7	22.5	0.2	280	6	23.8	1.5
Other comb of 4 or more years Social Science	1,581	17	23.1	0.8	567	16	22.8	0.5	879	18	23.1	0.8
US Hist, World Hist, & Am Gov (Min. Core)	1,595	17	20.7	-1.6	618	18	20.2	-2.1	872	18	21.0	-1.3
Other comb of 3 or 3.5 years of Social Science	2,125	23	22.0	-0.3	680	20	21.8	-0.5	1,315	27	22.0	-0.3
Less than 3 years of Social Science	1,346	15	22.3	-	532	15	22.3	-	712	14	22.3	-
No Soc Sci course/grade information reported	2,049	22	22.0	-	805	23	21.7	-	879	18	22.2	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	2,228	24	22.5	2.9	905	26	23.0	3.0	1,154	23	22.1	2.7
Bio, Chem, Phys	1,406	15	23.0	3.4	546	16	23.8	3.8	770	16	22.3	2.9
Gen Sci ² , Bio, Chem (Min. Core)	2,189	24	19.7	0.1	694	20	19.5	-0.5	1,351	27	19.8	0.4
Other comb of 3 years of Natural Science	114	1	19.8	0.2	58	2	20.8	0.8	49	1	19.0	-0.4
Less than 3 years of Natural Science	1,204	13	19.6	-	407	12	20.0	-	700	14	19.4	-
No Nat Sci course/grade information reported	2,109	23	21.1	-	830	24	21.5	-	913	18	20.7	-

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	903	10	22.8	79	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	5,478	59	21.0	71	766,001	59	20.5	68
Less than 4 years of English	1,012	11	21.1	71	141,777	11	19.7	64
No English course/grade information reported	1,857	20	21.5	73	201,619	16	20.7	69
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	600	6	24.8	75	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	647	7	22.0	54	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	754	8	19.6	33	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	1,069	12	20.1	37	163,562	13	20.4	38
Other comb of 4 or more years of Math	1,846	20	25.2	76	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	1,154	12	17.1	11	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	414	4	22.1	54	57,945	4	20.9	43
Less than 3 years of Math	800	9	19.5	33	145,617	11	18.3	21
No Math course/grade information reported	1,966	21	21.7	49	211,787	16	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	554	6	23.2	62	31,985	2	22.7	61
Other comb of 4 or more years Social Science	1,581	17	23.1	63	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	1,595	17	20.7	46	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	2,125	23	22.0	56	333,689	26	21.4	52
Less than 3 years of Social Science	1,346	15	22.3	59	201,605	16	20.6	47
No Soc Sci course/grade information reported	2,049	22	22.0	56	212,012	16	21.5	53
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	2,228	24	22.5	42	333,648	26	22.4	40
Bio, Chem, Phys	1,406	15	23.0	46	115,297	9	23.4	48
Gen Sci ¹ , Bio, Chem (Min. Core)	2,189	24	19.7	20	353,348	27	20.2	20
Other comb of 3 years of Natural Science	114	1	19.8	21	32,593	3	20.4	24
Less than 3 years of Natural Science	1,204	13	19.6	21	247,312	19	19.1	15
No Nat Sci course/grade information reported	2,109	23	21.1	32	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	44	0	21.2	1	1	11.0	40	1	21.5
Architecture & Environmental Design	96	1	21.2	2	2	16.5	87	1	21.4
Business & Management	685	7	20.3	8	8	15.5	652	10	20.4
Business & Office	16	0	18.6	0	0	.	16	0	18.6
Marketing & Distribution	47	1	20.2	0	0	.	46	1	20.3
Communications & Comm. Technologies	261	3	21.0	2	2	18.0	248	4	21.0
Community & Personal Services	100	1	17.2	3	3	16.7	87	1	17.7
Computer & Information Sciences	141	2	20.4	3	3	20.3	131	2	20.7
Cross-Disciplinary Studies	22	0	21.6	0	0	.	20	0	22.5
Education	191	2	19.9	2	2	19.0	182	3	19.9
Teacher Education	97	1	19.5	0	0	.	92	1	19.7
Engineering	281	3	24.3	0	0	.	268	4	24.3
Engineering-Related Technologies	161	2	22.7	3	3	13.0	154	2	23.0
Foreign Languages	37	0	24.9	0	0	.	36	1	24.9
Health Sciences & Allied Health Fields	875	9	20.5	28	27	18.0	818	12	20.6
Human, Family & Consumer Science	41	0	18.8	1	1	16.0	37	1	18.9
Letters	44	0	23.5	2	2	17.5	40	1	24.2
Mathematics	42	0	25.9	0	0	.	41	1	26.0
Philosophy, Religion & Theology	21	0	23.3	0	0	.	20	0	23.3
Sciences (Biological & Physical)	467	5	23.9	1	1	13.0	448	7	24.0
Social Sciences	545	6	22.0	2	2	12.5	512	8	22.1
Trade & Industrial	11	0	18.3	2	2	16.0	9	0	18.8
Visual & Performing Arts	324	4	20.3	15	15	16.5	301	5	20.5
Undecided	1,222	13	21.4	16	16	17.3	1,075	16	21.5
No Response	3,479	38	22.1	11	11	15.7	1,257	19	22.3

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	15	16.3	8	15.3	0	.	4	18.0	0	.	0	.	3	16.7
2-yr College Degree	87	16.9	25	13.8	0	.	41	18.1	2	18.5	3	13.7	16	18.9
Bachelors Degree	2,211	19.8	522	15.9	9	19.1	1,213	21.2	70	18.9	54	21.0	343	20.5
Graduate Study	2,026	22.6	471	18.0	8	19.8	1,055	24.2	55	22.5	68	24.9	369	23.3
Prof. Level Degree	2,380	22.6	751	18.5	12	21.4	975	24.7	74	22.4	131	25.5	437	23.9
Other	165	17.6	74	15.4	0	.	48	20.0	4	16.0	6	21.0	33	18.7
No Response	2,366	22.1	391	16.7	7	17.0	968	23.7	49	22.1	70	23.6	881	22.8

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
UNIVERSITY OF MARYLAND COLLEGE PARK	Maryland	1,426	538	888	2	8	18	28	28	15	1
TOWSON UNIVERSITY	Maryland	1,107	273	834	3	14	30	32	17	4	0
SALISBURY UNIVERSITY	Maryland	687	165	522	3	10	32	34	18	3	0
UNIVERSITY OF MARYLAND BALTIMORE COUNTY	Maryland	606	141	465	1	10	22	33	22	10	1
BOWIE STATE UNIVERSITY	Maryland	439	165	274	15	37	37	9	3	0	0
MORGAN STATE UNIVERSITY	Maryland	427	124	303	15	39	34	10	3	0	0
FROSTBURG STATE UNIVERSITY	Maryland	403	118	285	5	20	35	24	14	1	0
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	348	59	289	1	5	16	28	36	14	1
UNIVERSITY OF MARYLAND EASTERN SHORE	Maryland	307	67	240	6	38	36	14	7	0	0
VIRGINIA TECH	Virginia	306	59	247	1	5	13	28	35	17	2
HOWARD UNIVERSITY	District of Columbia	284	84	200	7	24	39	21	8	0	0
UNIVERSITY OF DELAWARE	Delaware	267	64	203	1	5	15	29	38	10	1
JOHNS HOPKINS UNIVERSITY THE	Maryland	247	75	172	2	12	13	23	22	23	5
VILLA JULIE COLLEGE	Maryland	237	59	178	3	19	30	32	12	4	0
WEST VIRGINIA UNIVERSITY	West Virginia	224	67	157	2	9	29	33	21	6	0
HAMPTON UNIVERSITY	Virginia	221	78	143	7	26	40	19	6	1	0
JAMES MADISON UNIVERSITY	Virginia	220	44	176	0	4	21	30	30	14	0
ST MARY'S COLLEGE OF MARYLAND	Maryland	216	54	162	1	7	22	28	28	13	0
NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE	Iowa	211	87	124	7	15	31	28	13	5	1
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	164	46	118	9	25	45	16	5	1	0
CLARK ATLANTA UNIVERSITY	Georgia	151	51	100	7	38	39	14	2	0	0
ELON UNIVERSITY	North Carolina	150	31	119	0	3	10	27	41	20	0
LOYOLA COLLEGE	Maryland	150	35	115	2	10	13	34	27	14	0
MCDANIEL COLLEGE	Maryland	150	30	120	3	9	29	43	13	3	0
UNIV OF VIRGINIA-MAIN CAMPUS	Virginia	150	28	122	1	5	9	23	30	30	3
TEMPLE UNIVERSITY	Pennsylvania	146	24	122	4	16	44	24	11	1	0
YORK COLLEGE OF PENNSYLVANIA	Pennsylvania	144	21	123	2	10	21	44	22	1	0
COPPIN STATE UNIVERSITY	Maryland	142	38	104	20	39	35	4	1	0	0
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	141	34	107	1	5	11	23	29	29	1
GEORGETOWN UNIVERSITY	District of Columbia	132	33	99	1	7	11	21	34	20	5
All Other Institutions		11,015	2,878	8,137	3	11	23	26	22	13	1
Total		20,818	5,570	15,248	4	13	25	26	21	11	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	5,925	532,943	22.7	22.3	7.9	7.6	22.4	21.8
African Am./Black	1,186	50,340	17.5	17.2	7.1	6.7	17.9	17.3
Am. Indian/Alaska Native	22	3,462	20.2	19.8	7.3	7.0	20.0	19.4
Caucasian Am./White	2,862	308,578	24.1	23.4	8.1	7.6	23.6	22.6
Hispanic	180	42,588	21.7	18.8	7.8	7.3	21.6	19.0
Asian Am./Pacific Islander	255	25,616	24.4	23.2	8.3	8.0	24.0	22.8
Other/No Response	1,420	102,359	24.0	23.2	8.1	7.8	23.6	22.7
Males	2,021	204,427	22.3	22.0	7.6	7.3	21.9	21.3
Females	3,326	285,556	22.8	22.5	8.0	7.7	22.6	22.1
Missing	578	42,960	22.9	23.0	8.0	7.8	22.7	22.6

