

ACT High School Profile Report

The Graduating Class of 2008
Maryland



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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

29% 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. 10,740 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. 69% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES. Table 3.2 reports 4% of the cohort took less than three years of math courses. Of these students, 33% were college ready. 13% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 10% 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 11% of the cohort took less than three years of natural science courses. 22% of these students were college ready. In comparison, 35% 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 40% 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.

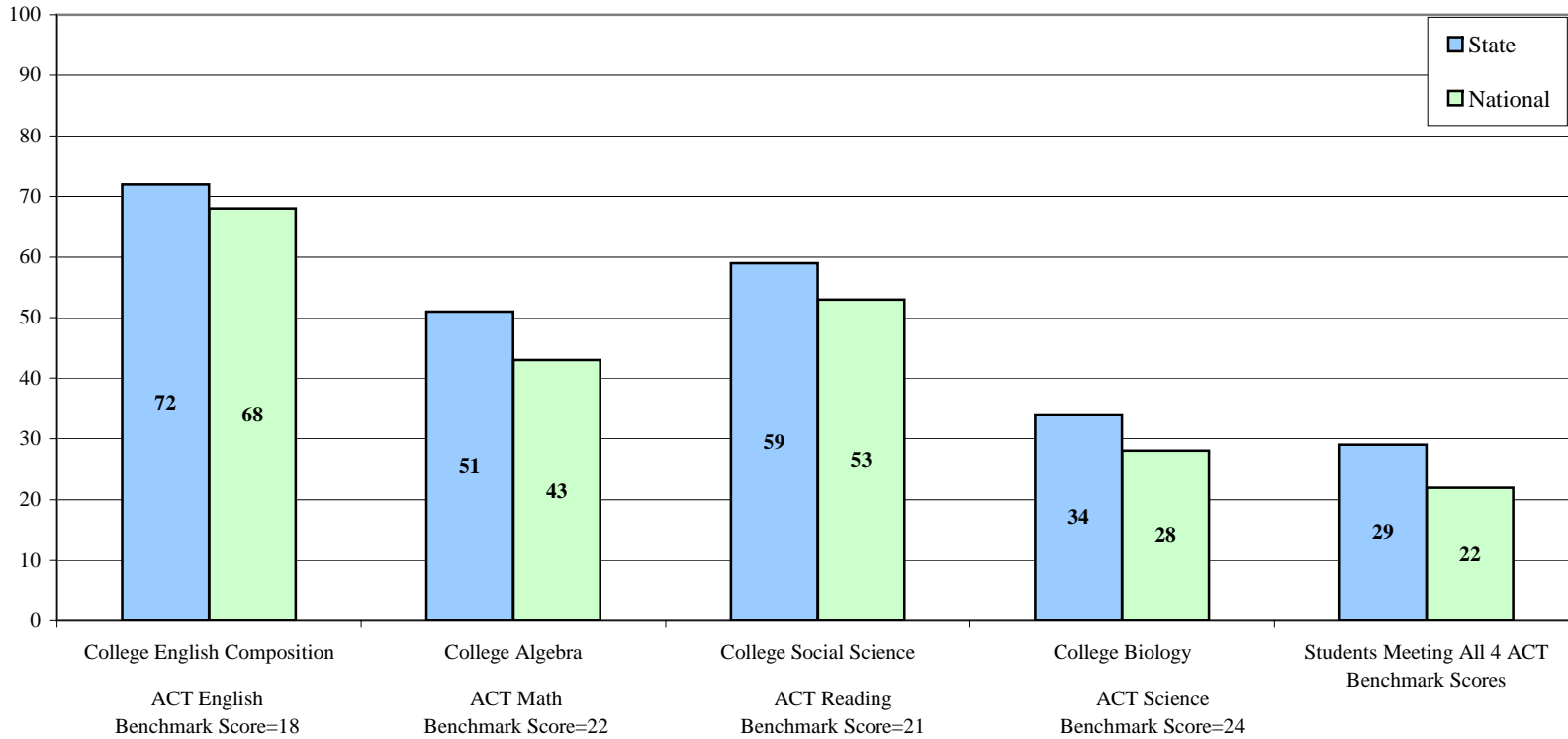
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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
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
2008	10,740	1,421,941	72	68	51	43	59	53	34	28	29	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	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
2008	10,740	1,421,941	21.6	20.6	22.0	21.0	22.3	21.4	21.4	20.8	22.0	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	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
2008	7,399	2,409	69	22	21.8	20.7	22.1	21.2	22.4	21.7	21.5	20.7	22.1	21.2

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

	2004			2005			2006			2007			2008		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	7,189	100	20.8	7,332	100	21.0	7,758	100	21.4	9,250	100	21.6	10,740	100	22.0
African American/Black	2,167	30	17.3	2,263	31	17.1	2,004	26	17.4	2,242	24	17.3	2,686	25	17.5
American Indian/Alaska Native	24	0	18.8	22	0	19.9	29	0	20.3	36	0	19.6	40	0	22.1
Caucasian American/White	3,587	50	22.6	3,582	49	22.9	3,632	47	23.3	4,304	47	23.3	5,500	51	23.5
Hispanic	231	3	20.1	206	3	21.3	268	3	20.6	254	3	21.3	378	4	21.5
Asian American/Pacific Islander	291	4	22.5	293	4	23.6	314	4	23.6	332	4	24.1	458	4	24.6
Other/No Response	889	12	21.9	966	13	22.2	1,511	19	22.1	2,082	23	22.6	1,678	16	23.5

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	19	100	40	100	106	100	36	100	7	100	36
35	170	100	117	100	151	99	64	100	29	100	35
34	248	98	133	99	227	98	75	99	81	100	34
33	198	96	207	97	269	95	94	98	141	99	33
32	205	94	170	95	277	93	99	97	183	98	32
31	248	92	180	94	344	90	125	97	236	96	31
30	300	90	323	92	412	87	190	95	316	94	30
29	368	87	372	89	428	83	171	94	394	91	29
28	374	84	466	86	464	79	277	92	469	87	28
27	364	80	503	81	408	75	410	89	483	83	27
26	496	77	590	77	380	71	493	86	613	78	26
25	567	72	707	71	430	68	832	81	620	73	25
24	593	67	632	65	618	64	774	73	695	67	24
23	589	61	546	59	686	58	663	66	647	60	23
22	695	56	441	54	473	52	904	60	703	54	22
21	739	49	585	49	657	47	777	52	679	48	21
20	667	43	427	44	591	41	1,004	44	709	41	20
19	466	36	528	40	548	36	851	35	604	35	19
18	471	32	707	35	398	30	642	27	633	29	18
17	468	28	773	29	476	27	457	21	556	23	17
16	422	23	906	21	547	22	461	17	524	18	16
15	469	19	767	13	434	17	319	12	479	13	15
14	356	15	395	6	473	13	289	10	412	9	14
13	274	12	132	2	364	9	224	7	255	5	13
12	230	9	54	1	244	5	202	5	155	3	12
11	253	7	22	1	149	3	138	3	74	1	11
10	198	5	9	1	104	2	70	2	28	1	10
9	121	3	4	1	44	1	56	1	10	1	9
8	100	2	1	1	11	1	20	1	3	1	8
7	47	1	0	1	14	1	11	1	2	1	7
6	21	1	2	1	6	1	6	1	0	1	6
5	3	1	0	1	1	1	2	1	0	1	5
4	0	1	1	1	1	1	1	1	0	1	4
3	0	1	0	1	2	1	3	1	0	1	3
2	0	1	0	1	3	1	0	1	0	1	2
1	1	1	0	1	0	1	0	1	0	1	1
Avg (SD)	21.6 (6.5)		22.0 (5.7)		22.3 (6.5)		21.4 (5.2)		22.0 (5.4)		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	580	100	91	100	397	100	413	100	721	100	130	100	188	100	18
17	628	95	406	99	666	96	845	96	724	93	297	99	48	98	17
16	639	89	613	95	668	90	923	88	785	87	340	96	572	98	16
15	540	83	919	90	745	84	938	80	618	79	530	93	642	92	15
14	630	78	689	81	619	77	897	71	905	73	1,079	88	1,160	86	14
13	913	72	1,033	75	960	71	562	63	928	65	957	78	1,011	76	13
12	745	63	1,245	65	775	62	955	57	851	56	1,075	69	1,100	66	12
11	974	56	1,175	53	937	55	991	48	832	48	1,359	59	1,021	56	11
10	1,047	47	1,231	43	950	46	829	39	996	41	1,627	46	1,375	47	10
9	914	38	825	31	1,027	37	708	32	656	31	1,196	31	1,108	34	9
8	775	29	834	23	1,110	28	781	25	1,079	25	897	20	817	23	8
7	655	22	629	16	695	18	577	18	966	15	338	12	636	16	7
6	612	16	393	10	529	11	477	12	448	6	366	9	326	10	6
5	462	10	278	6	304	6	512	8	151	2	281	5	328	7	5
4	389	6	261	4	167	3	225	3	49	1	129	2	108	4	4
3	156	2	89	1	109	2	70	1	22	1	92	1	201	3	3
2	77	1	27	1	50	1	35	1	7	1	11	1	44	1	2
1	4	1	2	1	32	1	2	1	2	1	36	1	55	1	1
Avg (SD)	10.9 (4.0)		11.1 (3.4)		11.1 (3.8)		11.6 (3.9)		11.7 (3.7)		10.9 (3.1)		10.8 (3.4)		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	25	26
Q2 (50th Percentile)	22	22	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	10,740	69	22.1	21.2
	African Am./Black	2,686	71	17.9	16.6
	Am. Indian/Alaska Native	40	85	22.6	20.6
	Caucasian Am./White	5,500	70	23.5	23.1
	Hispanic	378	70	21.7	20.5
	Asian Am./Pacific Islander	458	76	24.9	23.4
	Other/No Response	1,678	59	23.6	22.8
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	21.6	22.0	22.3	21.4	22.0
	African Am./Black	16.6	17.6	17.7	17.5	17.5
	Am. Indian/Alaska Native	21.6	21.3	22.7	22.1	22.1
	Caucasian Am./White	23.4	23.4	23.9	22.7	23.5
	Hispanic	21.0	21.4	22.0	20.9	21.5
	Asian Am./Pacific Islander	24.2	26.1	24.1	23.5	24.6
	Other/No Response	23.5	23.5	24.0	22.6	23.5
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	635	6	497	5	753	7	269	3
	28 to 32	1,495	14	1,511	14	1,925	18	862	8
	24 to 27	2,020	19	2,432	23	1,836	17	2,509	23
	20 to 23	2,690	25	1,999	19	2,407	22	3,348	31
	16 to 19	1,827	17	2,914	27	1,969	18	2,411	22
	13 to 15	1,099	10	1,294	12	1,271	12	832	8
	01 to 12	974	9	93	1	579	5	509	5
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	4,354	41	21.0	22.7	22.0	21.7	22.0
	Females	6,045	56	21.9	21.4	22.4	21.0	21.8
	Missing	341	3	24.0	24.0	24.6	23.2	24.1
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	69	55	57	39	33
	Females	74	46	60	30	25
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	7,399	74	21.8	51	22.1	60	22.4	34	21.5	29	22.1
	Non-Core	2,409	66	20.7	44	21.2	53	21.7	31	20.7	26	21.2
	Missing	932	76	22.7	60	23.3	65	23.4	39	22.1	35	23.0
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	9,276	72	21.5	9,466	51	22.0	8,609	58	22.1	8,742	35	21.5
	Non-Core	685	75	22.0	429	31	19.4	1,267	64	23.3	1,110	21	19.5
	Missing	779	75	22.7	845	59	23.2	864	64	23.4	888	39	22.1
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

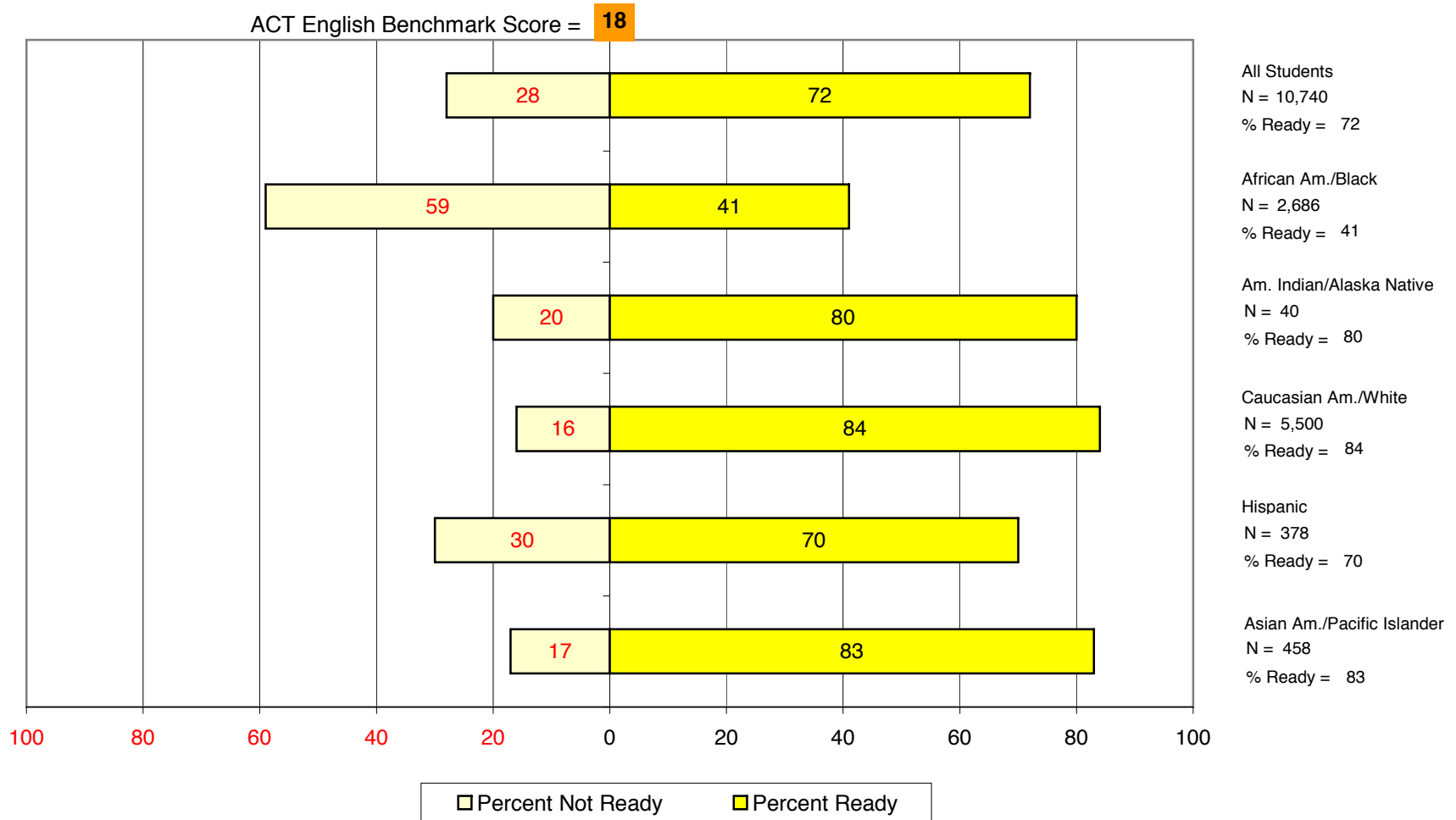


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

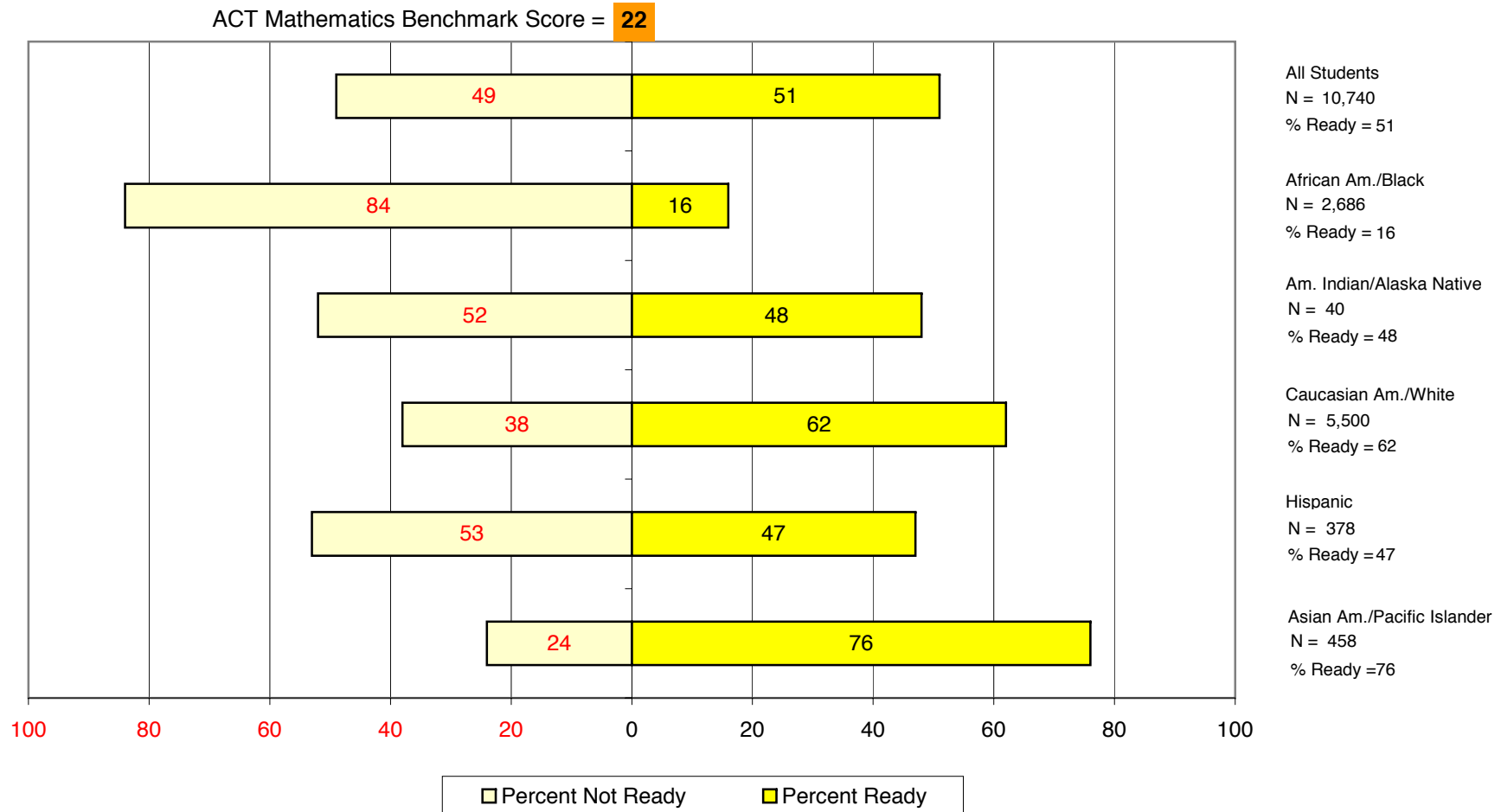


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

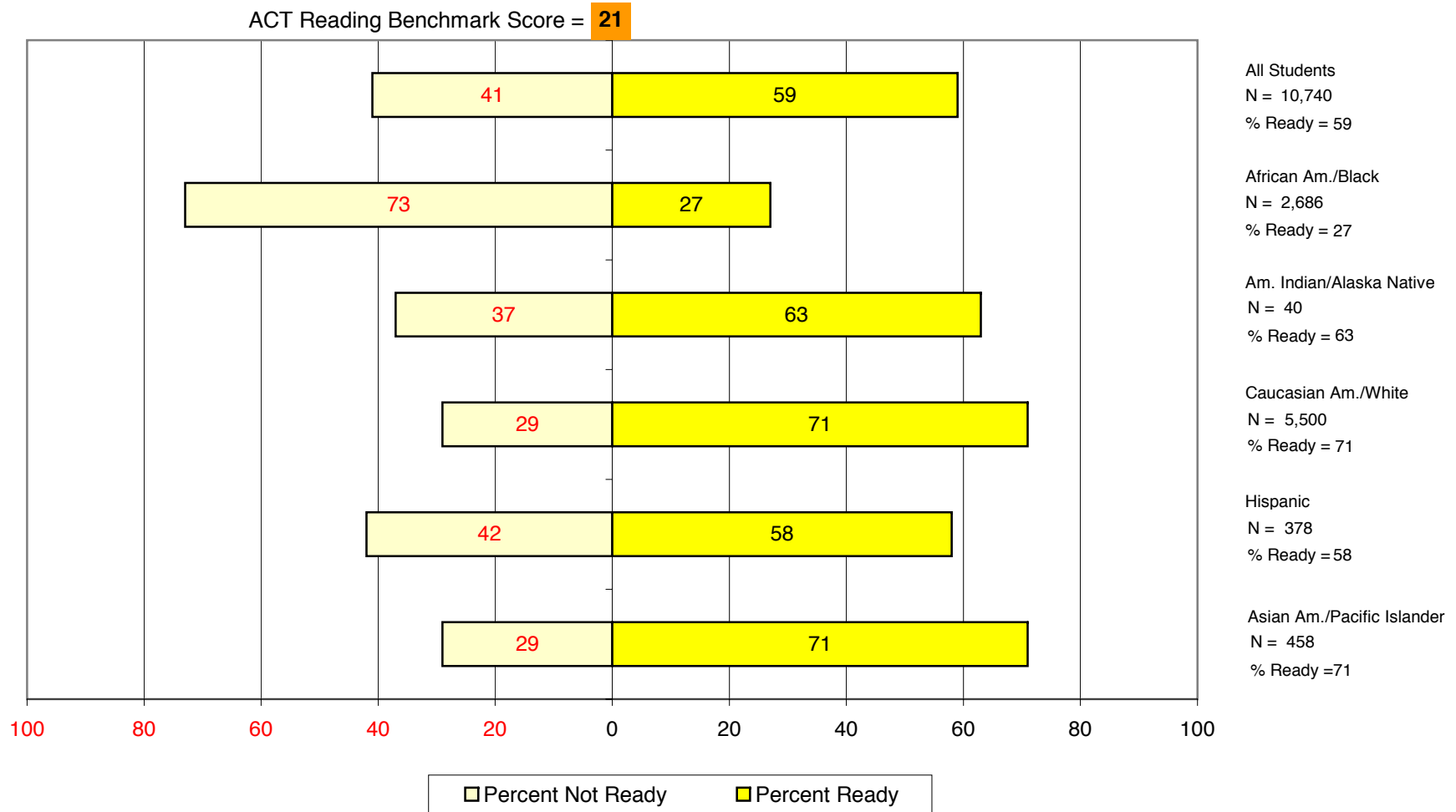


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE



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

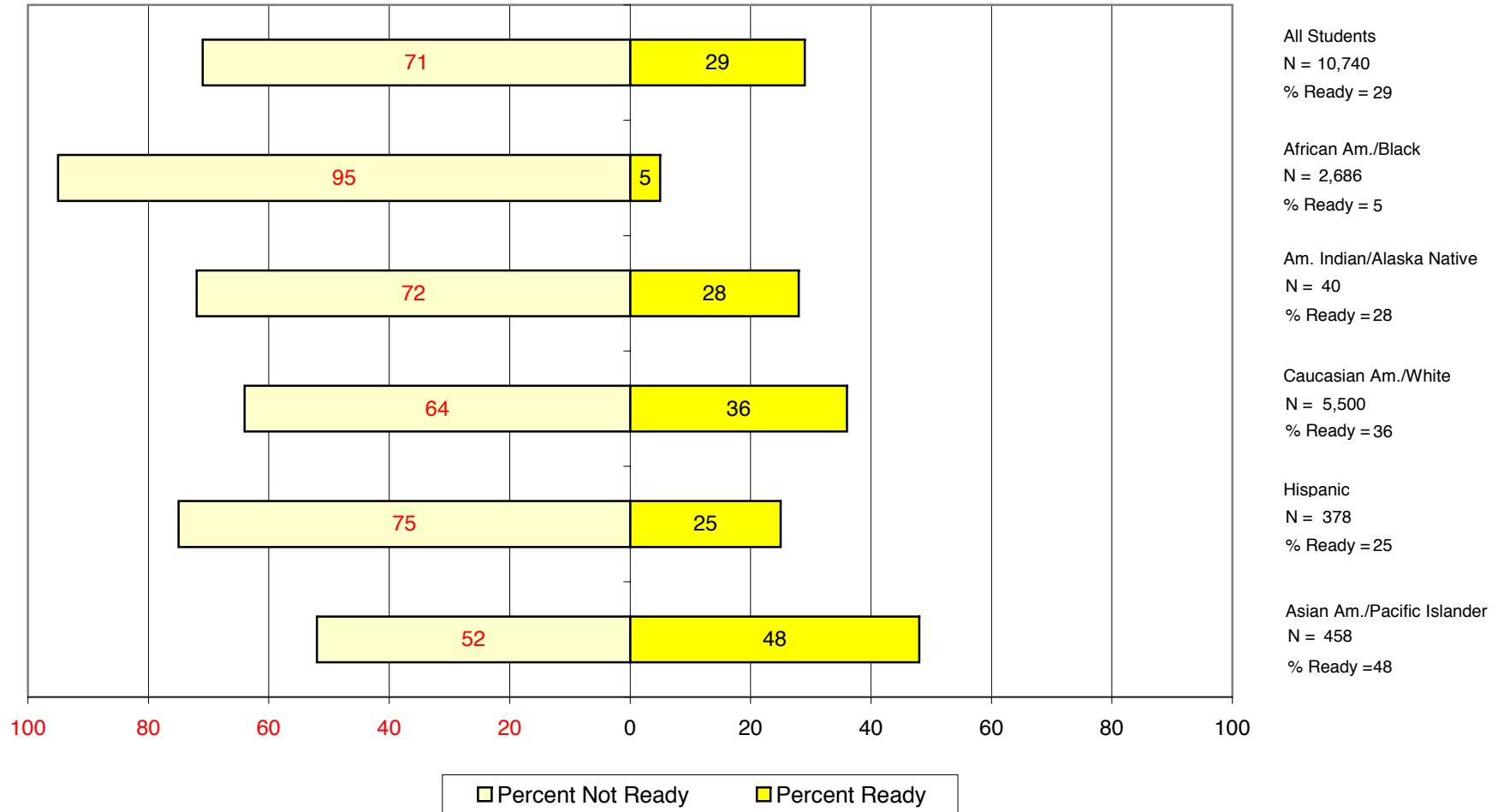


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	1,777	17	22.4	0.4	650	15	21.6	-0.2	1,096	18	22.8	0.8
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	7,499	70	21.3	-0.7	3,056	70	20.7	-1.1	4,288	71	21.6	-0.4
Less than 4 years of English	689	6	22.0	-	323	7	21.8	-	319	5	22.0	-
No English course/grade information reported	775	7	22.7	-	325	7	21.5	-	342	6	23.1	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	723	7	25.7	6.2	305	7	26.5	6.7	400	7	25.0	6.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	862	8	21.6	2.1	284	7	22.4	2.6	556	9	21.2	2.2
Alg 1, Alg 2, Geom, & Trig	872	8	19.3	-0.2	337	8	19.5	-0.3	510	8	19.0	0.0
Alg 1, Alg 2, Geom, & Other Adv Math	1,551	14	20.3	0.8	523	12	20.8	1.0	993	16	20.0	1.0
Other comb of 4 or more years of Math	3,505	33	24.9	5.4	1,583	36	25.4	5.6	1,847	31	24.3	5.3
Alg 1, Alg 2, & Geom (Min. Core)	1,360	13	17.0	-2.5	540	12	17.1	-2.7	799	13	16.9	-2.1
Other comb of 3 or 3.5 years of Math	593	6	21.6	2.1	248	6	22.6	2.8	333	6	20.8	1.8
Less than 3 years of Math	461	4	19.5	-	189	4	19.8	-	250	4	19.0	-
No Math course/grade information reported	813	8	23.2	-	345	8	23.4	-	357	6	22.5	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	826	8	23.1	-0.2	414	10	22.9	-0.2	393	7	23.1	-0.3
Other comb of 4 or more years Social Science	2,865	27	22.7	-0.6	1,121	26	22.3	-0.8	1,689	28	22.8	-0.6
US Hist, World Hist, & Am Gov (Min. Core)	1,947	18	20.6	-2.7	859	20	20.3	-2.8	1,052	17	20.8	-2.6
Other comb of 3 or 3.5 years of Social Science	2,971	28	22.2	-1.1	1,045	24	22.0	-1.1	1,856	31	22.2	-1.2
Less than 3 years of Social Science	1,302	12	23.3	-	563	13	23.1	-	690	11	23.4	-
No Soc Sci course/grade information reported	829	8	23.4	-	352	8	22.7	-	365	6	23.5	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	3,760	35	22.2	2.7	1,658	38	22.7	3.4	2,018	33	21.8	2.3
Bio, Chem, Phys	1,854	17	22.9	3.4	785	18	23.6	4.3	1,019	17	22.3	2.8
Gen Sci ² , Bio, Chem (Min. Core)	2,976	28	19.9	0.4	1,040	24	19.8	0.5	1,877	31	19.9	0.4
Other comb of 3 years of Natural Science	152	1	18.9	-0.6	77	2	19.9	0.6	69	1	17.6	-1.9
Less than 3 years of Natural Science	1,157	11	19.5	-	436	10	19.3	-	691	11	19.5	-
No Nat Sci course/grade information reported	841	8	22.1	-	358	8	22.1	-	371	6	21.7	-

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	1,777	17	22.4	77	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	7,499	70	21.3	71	949,721	67	20.5	68
Less than 4 years of English	689	6	22.0	75	112,496	8	18.8	56
No English course/grade information reported	775	7	22.7	76	93,330	7	20.2	64
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	723	7	25.7	80	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	862	8	21.6	51	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	872	8	19.3	30	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	1,551	14	20.3	36	204,909	14	20.4	38
Other comb of 4 or more years of Math	3,505	33	24.9	72	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	1,360	13	17.0	10	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	593	6	21.6	49	70,951	5	20.8	41
Less than 3 years of Math	461	4	19.5	33	131,252	9	17.4	14
No Math course/grade information reported	813	8	23.2	60	98,554	7	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	826	8	23.1	63	42,546	3	22.7	61
Other comb of 4 or more years Social Science	2,865	27	22.7	62	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	1,947	18	20.6	48	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	2,971	28	22.2	59	404,731	28	21.3	52
Less than 3 years of Social Science	1,302	12	23.3	64	185,561	13	20.4	45
No Soc Sci course/grade information reported	829	8	23.4	64	98,548	7	21.1	50
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	3,760	35	22.2	41	453,654	32	22.2	38
Bio, Chem, Phys	1,854	17	22.9	47	134,033	9	23.2	47
Gen Sci ¹ , Bio, Chem (Min. Core)	2,976	28	19.9	20	435,183	31	20.1	20
Other comb of 3 years of Natural Science	152	1	18.9	21	40,179	3	20.1	22
Less than 3 years of Natural Science	1,157	11	19.5	22	259,142	18	18.7	13
No Nat Sci course/grade information reported	841	8	22.1	39	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	62	1	19.5	6	6	14.8	49	1	20.0
Architecture & Environmental Design	159	1	21.9	1	1	22.0	145	2	21.6
Business & Management	1,228	11	20.3	9	9	14.1	1,109	13	20.3
Business & Office	39	0	18.7	0	0	.	38	0	18.7
Marketing & Distribution	116	1	19.4	1	1	20.0	101	1	19.5
Communications & Comm. Technologies	430	4	21.0	5	5	16.8	380	4	20.9
Community & Personal Services	130	1	18.4	1	1	15.0	120	1	18.3
Computer & Information Sciences	212	2	20.3	3	3	18.3	192	2	20.2
Cross-Disciplinary Studies	24	0	22.4	0	0	.	22	0	22.4
Education	333	3	20.1	1	1	13.0	296	3	20.1
Teacher Education	183	2	18.9	1	1	13.0	171	2	19.0
Engineering	449	4	23.8	3	3	20.0	410	5	23.8
Engineering-Related Technologies	271	3	22.4	5	5	17.0	246	3	22.4
Foreign Languages	78	1	24.4	0	0	.	65	1	24.7
Health Sciences & Allied Health Fields	1,335	12	20.8	33	32	17.4	1,200	14	20.8
Human, Family & Consumer Science	52	0	19.1	4	4	15.3	45	1	19.5
Letters	71	1	24.9	1	1	16.0	64	1	25.1
Mathematics	70	1	24.2	0	0	.	61	1	24.1
Philosophy, Religion & Theology	42	0	21.3	0	0	.	38	0	21.3
Sciences (Biological & Physical)	857	8	23.8	0	0	.	766	9	23.7
Social Sciences	916	9	22.5	1	1	14.0	834	10	22.4
Trade & Industrial	29	0	18.7	6	6	15.7	19	0	18.7
Visual & Performing Arts	476	4	21.2	5	5	15.4	428	5	21.2
Undecided	1,582	15	22.8	13	13	17.2	1,312	15	22.7
No Response	1,596	15	23.4	3	3	14.7	601	7	23.6

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	13	17.6	7	16.3	0	.	5	18.8	1	21.0	0	.	0	.
2-yr College Degree	89	16.4	37	14.1	1	15.0	41	18.1	3	19.3	1	10.0	6	18.2
Bachelors Degree	3,122	19.9	861	16.1	10	20.6	1,765	21.6	97	19.3	69	20.9	320	20.6
Graduate Study	2,456	22.7	514	18.1	3	20.7	1,477	24.0	73	22.5	76	25.4	313	23.6
Prof. Level Degree	3,134	23.0	934	18.7	19	23.4	1,309	25.1	149	22.3	240	25.5	483	24.5
Other	162	18.6	76	16.3	0	.	56	20.8	6	19.8	9	18.1	15	22.1
No Response	1,764	23.4	257	17.0	7	22.3	847	24.6	49	22.1	63	25.3	541	24.5

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	1,577	621	956	2	7	19	27	27	16	3
TOWSON UNIVERSITY	Maryland	1,046	275	771	2	12	30	35	17	4	0
SALISBURY UNIVERSITY	Maryland	600	151	449	3	12	30	36	17	3	0
UNIVERSITY OF MARYLAND BALTIMORE COUNTY	Maryland	554	135	419	1	9	25	29	25	11	1
BOWIE STATE UNIVERSITY	Maryland	407	140	267	12	37	38	11	1	0	0
MORGAN STATE UNIVERSITY	Maryland	374	113	261	12	36	39	12	1	0	0
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	364	73	291	0	6	18	30	33	13	1
FROSTBURG STATE UNIVERSITY	Maryland	356	95	261	5	21	39	25	9	2	0
UNIVERSITY OF DELAWARE	Delaware	304	74	230	0	5	12	32	34	16	1
VIRGINIA TECH	Virginia	287	50	237	2	5	12	29	33	17	2
UNIVERSITY OF MARYLAND EASTERN SHORE	Maryland	268	54	214	11	36	38	12	2	0	0
NCAA ELIGIBILITY CENTER	Indiana	263	138	125	6	21	27	28	13	5	0
HOWARD UNIVERSITY	District of Columbia	259	96	163	3	18	46	24	9	0	0
WEST VIRGINIA UNIVERSITY	West Virginia	236	75	161	1	11	29	36	17	6	0
JOHNS HOPKINS UNIVERSITY THE	Maryland	230	60	170	2	7	18	22	27	20	5
VILLA JULIE COLLEGE	Maryland	218	52	166	2	14	33	32	17	2	0
HAMPTON UNIVERSITY	Virginia	215	63	152	6	23	42	22	5	1	0
JAMES MADISON UNIVERSITY	Virginia	212	51	161	0	5	17	32	36	9	1
ST MARY'S COLLEGE OF MARYLAND	Maryland	210	51	159	0	6	13	23	31	24	2
UNIV OF VIRGINIA-MAIN CAMPUS	Virginia	152	22	130	1	5	7	16	35	31	6
COPPIN STATE UNIVERSITY	Maryland	148	47	101	16	40	37	7	1	0	0
MCDANIEL COLLEGE	Maryland	142	27	115	1	9	29	32	23	6	0
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	142	22	120	1	5	13	22	36	20	4
TEMPLE UNIVERSITY	Pennsylvania	141	40	101	4	16	38	22	13	5	1
ELON UNIVERSITY	North Carolina	138	26	112	0	2	12	32	30	21	3
GEORGETOWN UNIVERSITY	District of Columbia	133	36	97	1	5	16	14	30	29	5
LOYOLA COLLEGE	Maryland	128	33	95	2	11	19	27	27	12	2
MOUNT SAINT MARY'S UNIVERSITY	Maryland	128	30	98	0	5	27	41	21	6	0
DELAWARE STATE UNIVERSITY	Delaware	127	35	92	13	39	32	13	2	1	0
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	125	40	85	6	20	47	23	4	0	0
All Other Institutions		10,845	2,925	7,920	3	10	23	26	23	15	2
Total		20,329	5,650	14,679	3	12	24	26	21	12	2

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	7,619	770,529	22.8	21.4	7.8	7.3	22.4	20.9
African Am./Black	1,658	86,049	17.6	16.6	7.1	6.5	17.9	16.6
Am. Indian/Alaska Native	30	5,148	23.4	18.9	7.7	6.7	22.7	18.5
Caucasian Am./White	3,986	464,177	24.2	22.5	8.0	7.4	23.6	21.8
Hispanic	297	71,060	22.1	18.3	7.9	7.1	21.9	18.5
Asian Am./Pacific Islander	385	37,359	24.9	23.1	8.1	7.9	24.2	22.6
Other/No Response	1,263	106,736	24.7	22.2	8.1	7.5	24.0	21.7
Males	2,856	327,613	22.4	20.9	7.6	7.0	21.9	20.2
Females	4,496	421,968	22.9	21.7	8.0	7.6	22.7	21.3
Missing	267	20,948	25.1	23.9	8.1	7.9	24.3	23.2

