

ACT High School Profile Report

The Graduating Class of 2008
District of Columbia



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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

18% 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. 1,503 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. 55% 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 5% of the cohort took less than three years of math courses. Of these students, 23% were college ready. 9% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 9% of these students were college ready. In comparison, 37% 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 10% of the cohort took less than three years of natural science courses. 16% of these students were college ready. In comparison, 22% 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 63% 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.

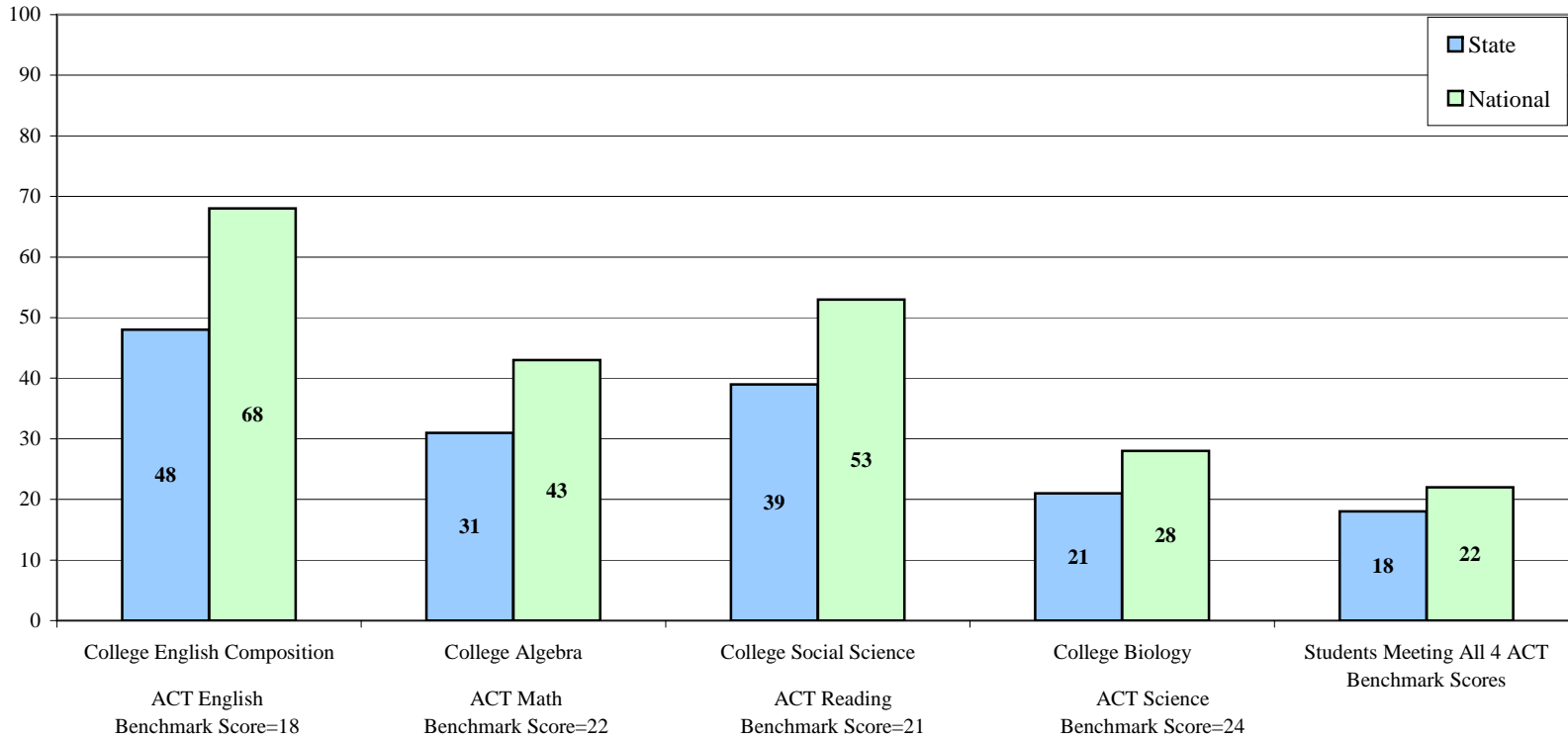
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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	1,064	1,171,460	42	68	19	40	30	52	11	26	10	21
2005	1,018	1,186,251	42	68	23	41	32	51	14	26	12	21
2006	1,077	1,206,455	45	69	26	42	34	53	16	27	14	21
2007	1,193	1,300,599	48	69	28	43	38	53	18	28	16	23
2008	1,503	1,421,941	48	68	31	43	39	53	21	28	18	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	1,064	1,171,460	17.1	20.4	17.5	20.7	18.2	21.3	17.8	20.9	17.8	20.9
2005	1,018	1,186,251	17.2	20.4	18.0	20.7	18.5	21.3	17.8	20.9	18.0	20.9
2006	1,077	1,206,455	17.7	20.6	18.4	20.8	18.9	21.4	18.0	20.9	18.4	21.1
2007	1,193	1,300,599	18.1	20.7	18.8	21.0	19.2	21.5	18.3	21.0	18.7	21.2
2008	1,503	1,421,941	18.6	20.6	19.2	21.0	19.6	21.4	18.6	20.8	19.1	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	479	340	45	32	17.8	16.8	17.8	17.3	18.6	17.9	18.2	17.5	18.2	17.5
2005	465	319	46	31	18.1	16.2	18.4	17.2	19.2	17.6	18.3	17.0	18.6	17.1
2006	440	319	41	30	18.0	17.4	18.6	18.0	19.4	18.3	18.3	17.5	18.7	17.9
2007	433	357	36	30	18.5	18.1	18.9	18.6	19.4	19.5	18.6	18.2	19.0	18.8
2008	831	358	55	24	19.2	18.7	19.5	19.6	20.0	19.6	18.9	18.8	19.5	19.3

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	1,064	100	17.8	1,018	100	18.0	1,077	100	18.4	1,193	100	18.7	1,503	100	19.1
African American/Black	746	70	16.2	645	63	15.9	660	61	15.7	672	56	15.9	849	56	15.9
American Indian/Alaska Native	4	0	14.8	4	0	16.8	4	0	17.3	4	0	19.3	3	0	19.0
Caucasian American/White	144	14	23.8	166	16	24.6	185	17	25.1	201	17	25.1	318	21	26.1
Hispanic	54	5	18.7	56	6	16.8	55	5	18.5	60	5	19.3	64	4	18.5
Asian American/Pacific Islander	21	2	22.0	23	2	22.0	23	2	21.2	26	2	20.5	22	1	22.8
Other/No Response	95	9	19.8	124	12	19.9	150	14	21.3	230	19	21.2	247	16	21.3

Section II

Academic Achievement

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

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	
36	1	100	4	100	10	100	1	100	0	100	36
35	17	100	11	100	17	99	8	100	4	100	35
34	35	99	11	99	23	98	12	99	7	100	34
33	28	96	23	98	32	97	16	99	19	99	33
32	22	95	14	97	34	95	7	98	31	98	32
31	28	93	23	96	33	92	9	97	19	96	31
30	41	91	29	94	39	90	15	96	35	95	30
29	36	89	36	92	36	87	16	95	33	92	29
28	37	86	40	90	40	85	29	94	38	90	28
27	29	84	37	87	36	82	30	92	48	88	27
26	41	82	60	85	30	80	41	90	58	84	26
25	49	79	60	81	47	78	56	88	50	81	25
24	56	76	38	77	54	75	74	84	55	77	24
23	40	72	42	74	65	71	57	79	61	74	23
22	51	69	42	72	45	67	75	75	56	70	22
21	53	66	52	69	47	64	67	70	40	66	21
20	53	62	35	65	78	61	107	66	58	63	20
19	53	59	47	63	66	56	97	59	51	59	19
18	52	55	72	60	63	51	117	52	67	56	18
17	66	52	93	55	69	47	82	45	108	51	17
16	63	48	182	49	93	43	107	39	106	44	16
15	110	43	245	37	107	36	86	32	138	37	15
14	90	36	170	20	110	29	84	26	148	28	14
13	79	30	79	9	105	22	75	21	124	18	13
12	79	25	35	4	84	15	92	16	76	10	12
11	80	20	13	2	64	9	56	10	34	5	11
10	73	14	4	1	33	5	36	6	22	3	10
9	57	9	2	1	19	3	25	3	10	1	9
8	48	6	2	1	8	2	11	2	5	1	8
7	20	2	0	1	7	1	5	1	1	1	7
6	10	1	1	1	2	1	2	1	1	1	6
5	4	1	0	1	2	1	4	1	0	1	5
4	1	1	1	1	2	1	0	1	0	1	4
3	0	1	0	1	2	1	3	1	0	1	3
2	1	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	1	1	0	1	1
Avg (SD)	18.6 (7.5)		19.2 (6.0)		19.6 (7.1)		18.6 (5.8)		19.1 (6.2)		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	71	100	8	100	42	100	46	100	64	100	14	100	16	100	18
17	77	95	50	99	72	97	96	97	74	96	20	99	7	99	17
16	65	90	69	96	62	92	96	91	65	91	35	98	61	98	16
15	58	86	97	92	71	88	69	84	67	86	59	95	65	94	15
14	54	82	70	85	54	84	66	80	78	82	83	91	90	90	14
13	61	78	86	80	84	80	55	75	73	77	85	86	84	84	13
12	65	74	104	75	79	74	87	72	73	72	81	80	89	79	12
11	75	70	83	68	91	69	115	66	74	67	125	75	94	73	11
10	99	65	128	62	117	63	104	58	88	62	189	67	140	66	10
9	113	58	114	54	160	55	108	51	68	56	216	54	175	57	9
8	111	51	155	46	192	45	132	44	192	52	199	40	164	45	8
7	118	44	150	36	139	32	109	35	257	39	90	26	155	34	7
6	150	36	124	26	138	23	123	28	191	22	123	20	89	24	6
5	139	26	102	18	64	13	165	20	76	9	104	12	122	18	5
4	139	16	106	11	66	9	84	9	44	4	32	5	42	10	4
3	72	7	45	4	39	5	26	3	9	1	33	3	72	7	3
2	34	2	10	1	22	2	21	1	6	1	4	1	18	3	2
1	2	1	2	1	11	1	1	1	4	1	11	1	20	1	1
Avg (SD)	9.2 (4.6)		9.5 (3.9)		9.7 (4.1)		9.9 (4.3)		9.8 (4.1)		9.5 (3.4)		9.2 (3.8)		Avg (SD)

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

Table 2.3. ACT Score Quartile Values for All Students

Quartile	English	Math	Reading	Science	Composite
Q3 (75th Percentile)	24	24	25	22	24
Q2 (50th Percentile)	17	17	18	18	17
Q1 (25th Percentile)	13	15	14	14	14

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	1,503	55	19.5	19.3
	African Am./Black	849	60	16.5	15.2
	Am. Indian/Alaska Native	3	0	.	.
	Caucasian Am./White	318	56	26.2	26.3
	Hispanic	64	50	19.9	17.4
	Asian Am./Pacific Islander	22	59	23.5	21.8
	Other/No Response	247	38	22.7	22.3
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	18.6	19.2	19.6	18.6	19.1
	African Am./Black	14.9	16.1	16.2	15.8	15.9
	Am. Indian/Alaska Native	16.3	19.7	19.0	21.7	19.0
	Caucasian Am./White	26.7	25.9	26.8	24.3	26.1
	Hispanic	17.1	18.9	19.0	18.3	18.5
	Asian Am./Pacific Islander	22.6	23.7	22.8	21.8	22.8
	Other/No Response	20.9	21.3	21.8	20.7	21.3
National	All Students	20.6	21.0	21.4	20.8	21.1
	African Am./Black	16.1	17.0	17.0	17.2	16.9
	Am. Indian/Alaska Native	18.1	18.8	19.6	19.2	19.0
	Caucasian Am./White	21.7	21.8	22.5	21.7	22.1
	Hispanic	17.7	19.0	18.9	18.7	18.7
	Asian Am./Pacific Islander	22.1	24.1	22.4	22.3	22.9
	Other/No Response	21.2	21.7	22.1	21.2	21.7

Table 2.6. Percent of Students in College Readiness Standards (CRS) Score Ranges

Student Group	CRS Range	English		Mathematics		Reading		Science	
		N	%	N	%	N	%	N	%
State	33 to 36	81	5	49	3	82	5	37	2
	28 to 32	164	11	142	9	182	12	76	5
	24 to 27	175	12	195	13	167	11	201	13
	20 to 23	197	13	171	11	235	16	306	20
	16 to 19	234	16	394	26	291	19	403	27
	13 to 15	279	19	494	33	322	21	245	16
	01 to 12	373	25	58	4	224	15	235	16
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	656	44	19.6	20.6	20.5	19.6	20.3
	Females	807	54	17.5	17.8	18.5	17.6	18.0
	Missing	40	3	24.8	24.5	24.9	23.0	24.4
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	57	41	48	28	25
	Females	39	21	31	14	12
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	831	52	19.2	33	19.5	42	20.0	21	18.9	19	19.5
	Non-Core	358	50	18.7	34	19.6	41	19.6	23	18.8	20	19.3
	Missing	314	36	16.8	24	18.3	30	18.4	18	17.6	15	17.9
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	1,123	51	19.0	1,144	34	19.6	956	40	19.7	1,054	22	19.0
	Non-Core	97	55	19.2	63	24	18.0	252	44	20.1	150	15	17.4
	Missing	283	36	16.9	296	23	18.2	295	31	18.6	299	19	17.8
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

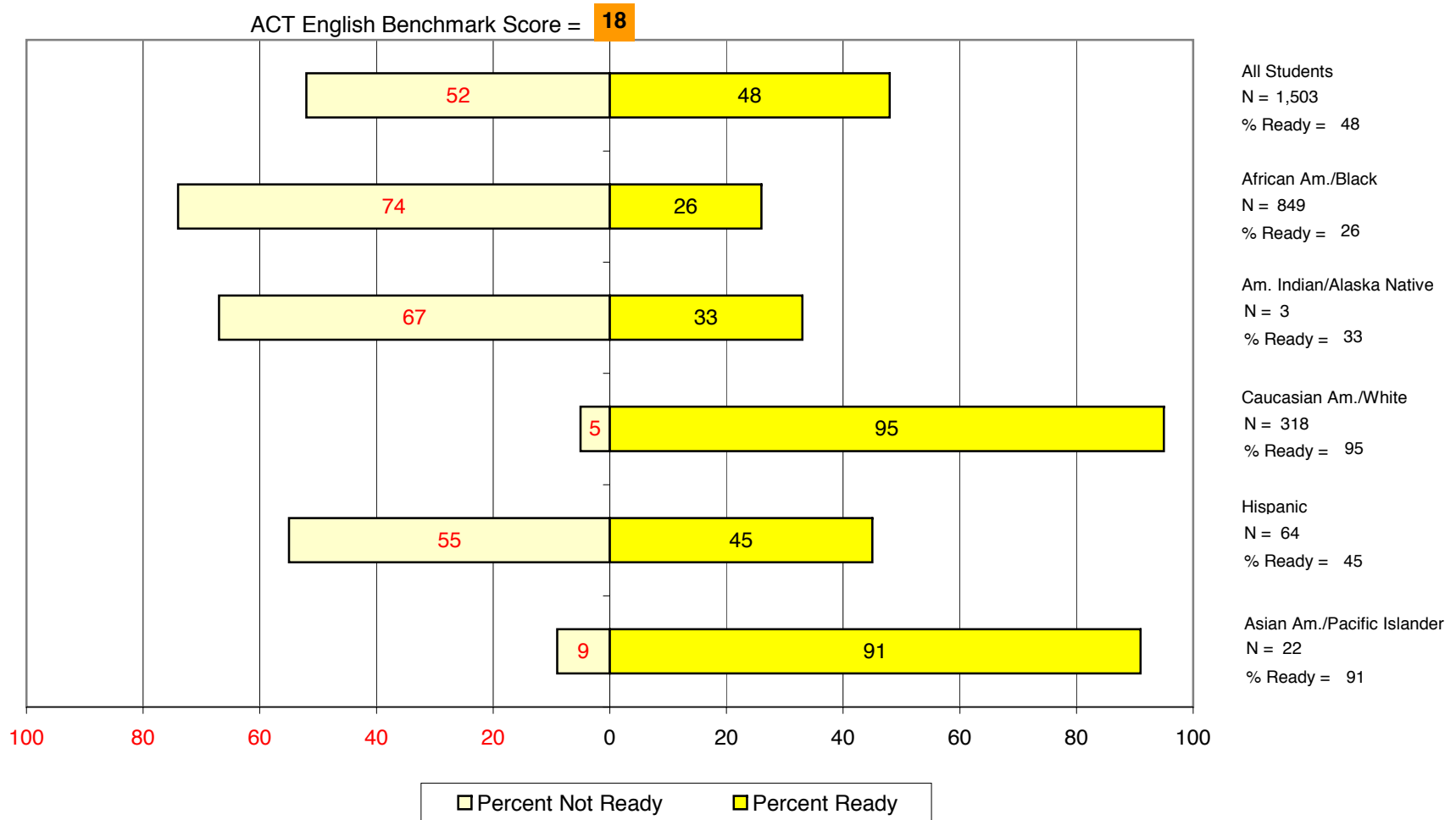


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

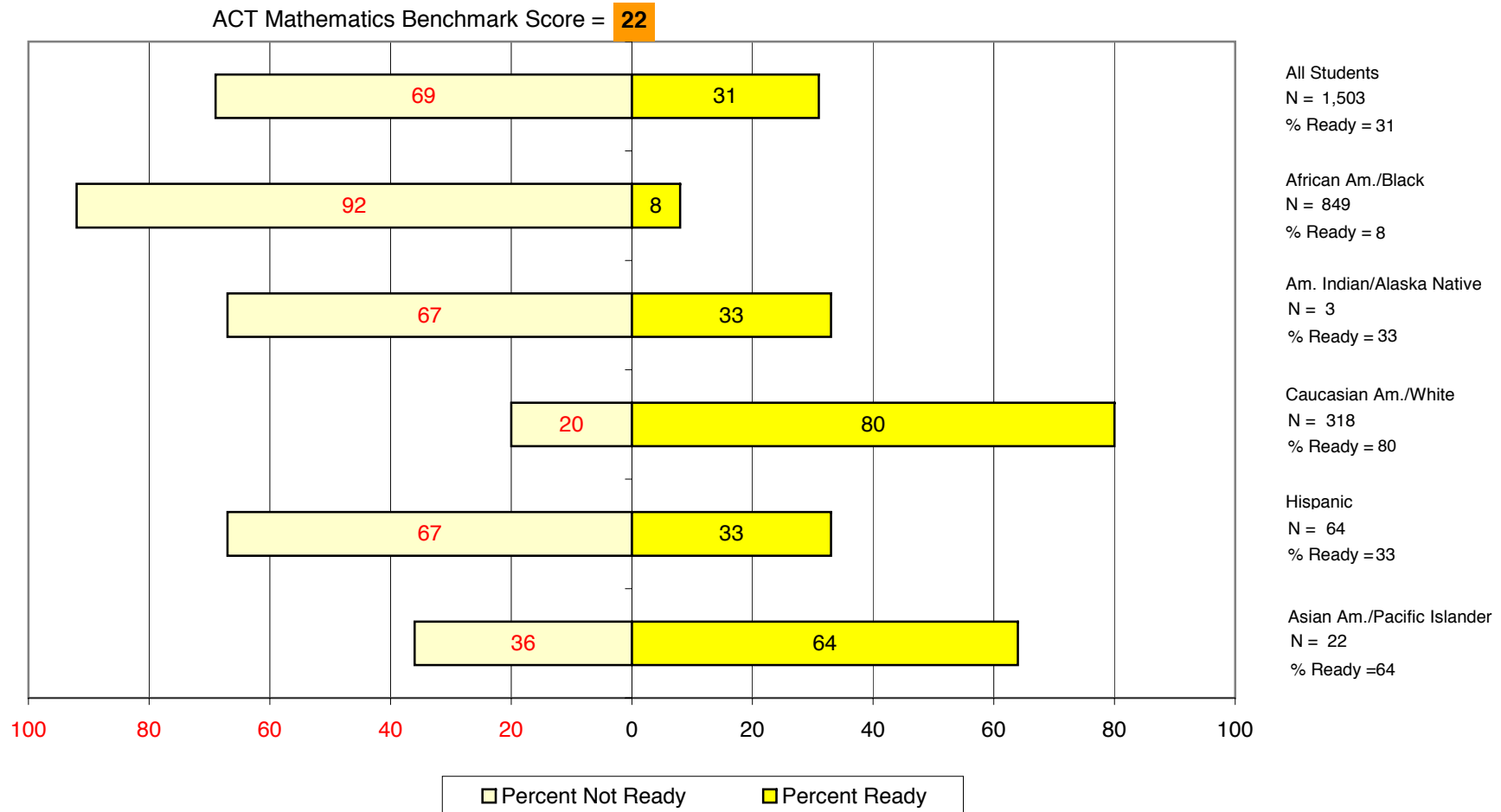


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

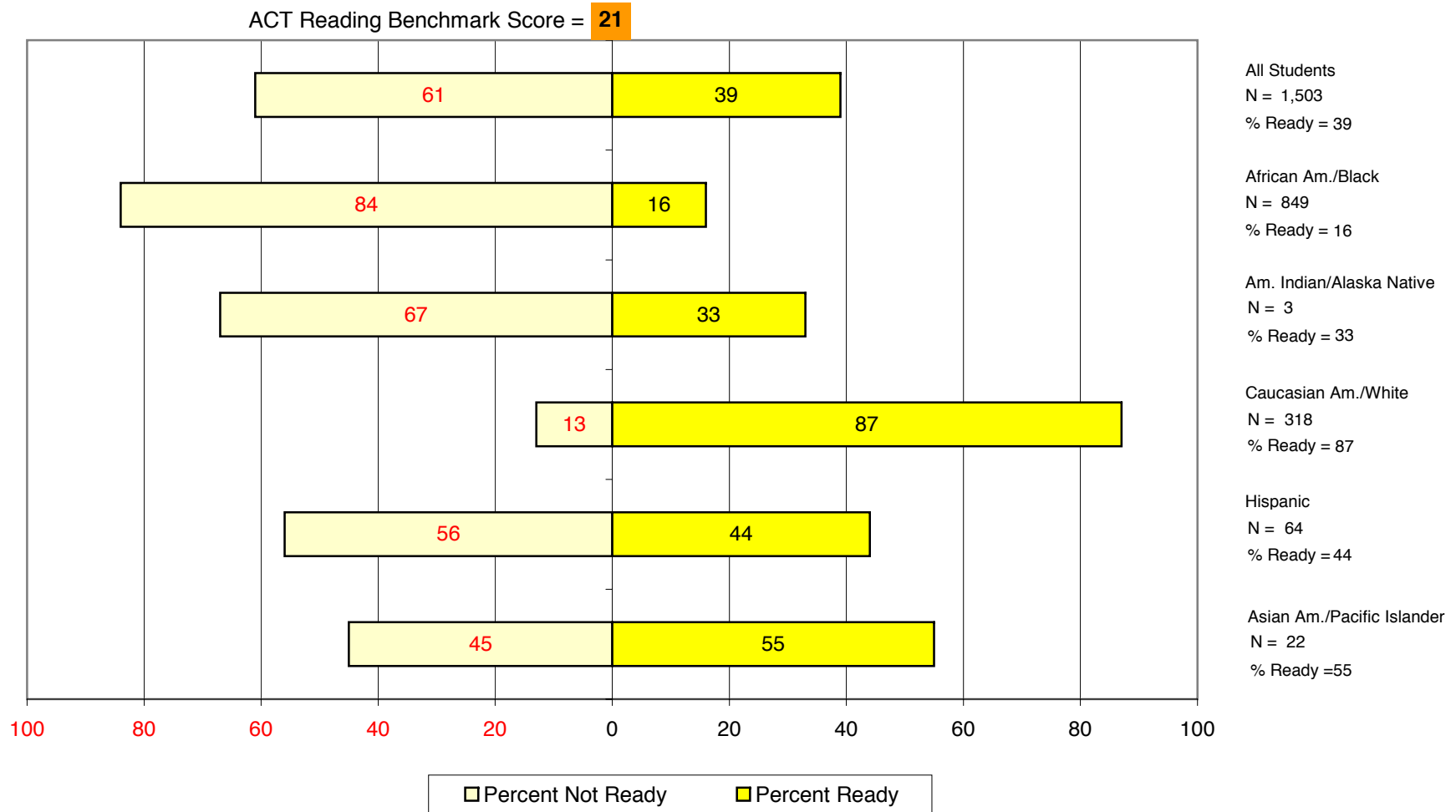


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

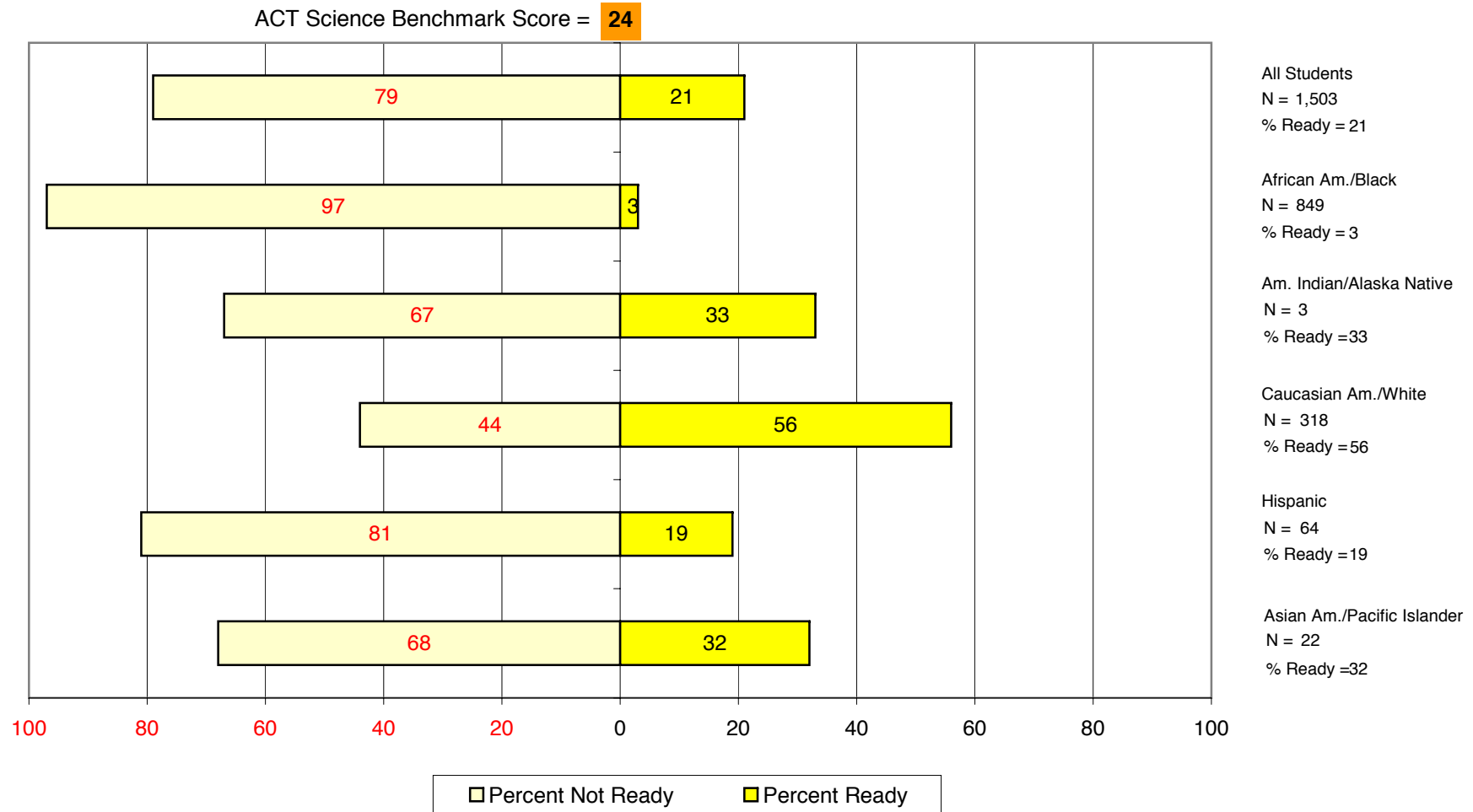


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

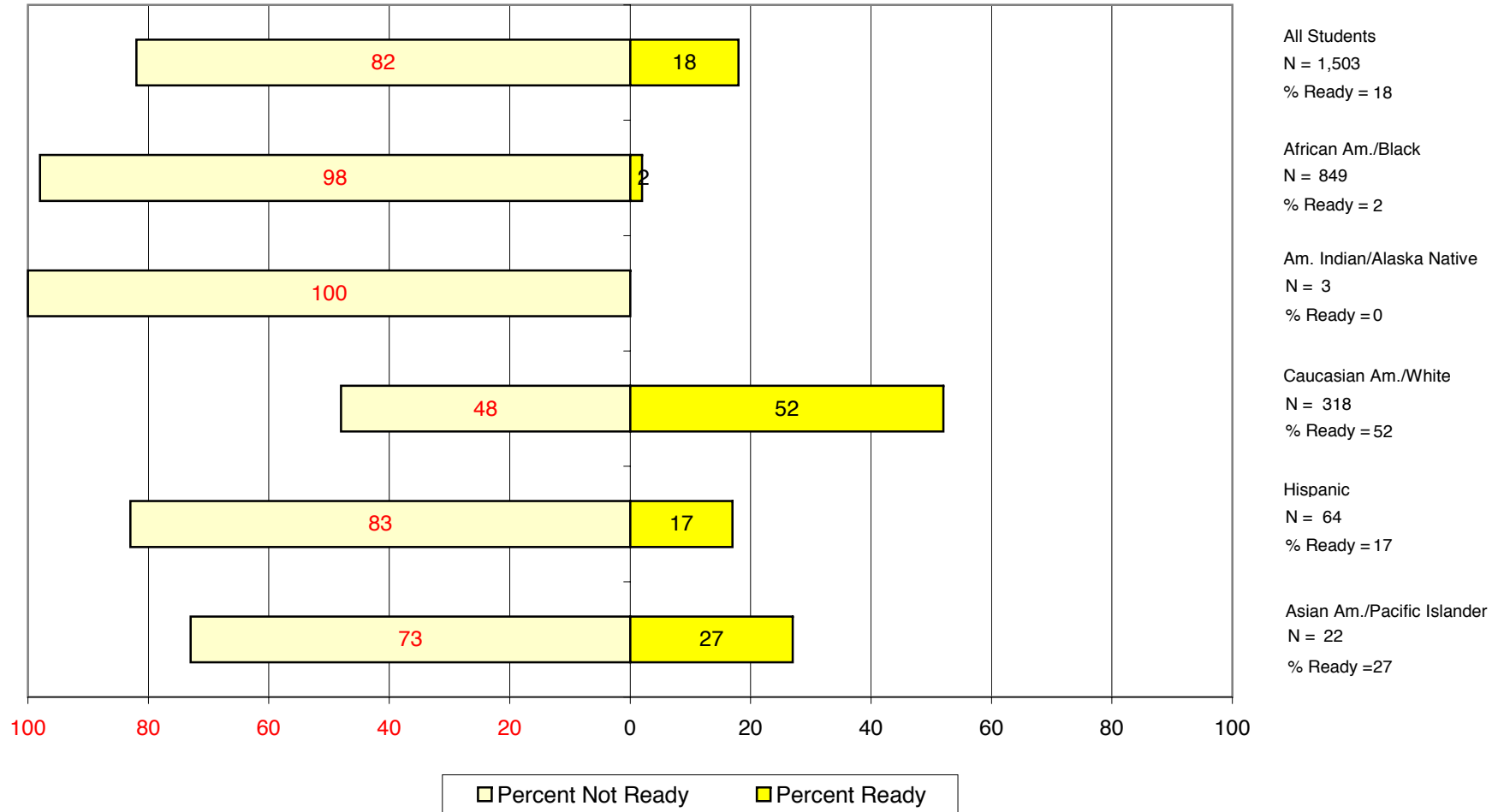


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	246	16	22.4	3.1	117	18	22.9	2.3	123	15	21.6	4.6
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	877	58	18.0	-1.3	357	54	19.5	-1.1	508	63	16.9	-0.1
Less than 4 years of English	98	7	19.3	-	57	9	20.6	-	37	5	17.0	-
No English course/grade information reported	282	19	16.8	-	125	19	16.5	-	139	17	15.9	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	94	6	23.0	5.2	39	6	24.9	4.7	52	6	21.8	5.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	140	9	20.7	2.9	60	9	22.8	2.6	80	10	19.1	3.0
Alg 1, Alg 2, Geom, & Trig	210	14	16.5	-1.3	84	13	18.2	-2.0	123	15	15.1	-1.0
Alg 1, Alg 2, Geom, & Other Adv Math	136	9	18.1	0.3	49	7	19.3	-0.9	86	11	17.4	1.3
Other comb of 4 or more years of Math	348	23	22.4	4.6	184	28	23.6	3.4	156	19	20.7	4.6
Alg 1, Alg 2, & Geom (Min. Core)	141	9	16.1	-1.7	57	9	16.7	-3.5	82	10	15.6	-0.5
Other comb of 3 or 3.5 years of Math	75	5	18.2	0.4	27	4	19.5	-0.7	45	6	17.3	1.2
Less than 3 years of Math	71	5	17.8	-	25	4	20.2	-	43	5	16.1	-
No Math course/grade information reported	288	19	18.2	-	131	20	18.4	-	140	17	17.1	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	140	9	22.6	2.5	90	14	23.2	1.5	46	6	21.3	2.6
Other comb of 4 or more years Social Science	355	24	19.9	-0.2	152	23	20.8	-0.9	202	25	19.2	0.5
US Hist, World Hist, & Am Gov (Min. Core)	93	6	16.4	-3.7	40	6	15.4	-6.3	50	6	16.6	-2.1
Other comb of 3 or 3.5 years of Social Science	368	24	19.4	-0.7	140	21	20.8	-0.9	222	28	18.3	-0.4
Less than 3 years of Social Science	255	17	20.1	-	102	16	21.7	-	146	18	18.7	-
No Soc Sci course/grade information reported	292	19	18.6	-	132	20	18.7	-	141	17	17.7	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	471	31	19.7	2.2	211	32	20.4	0.0	251	31	18.9	3.0
Bio, Chem, Phys	237	16	21.5	4.0	131	20	22.5	2.1	100	12	20.0	4.1
Gen Sci ² , Bio, Chem (Min. Core)	312	21	16.0	-1.5	113	17	16.6	-3.8	195	24	15.6	-0.3
Other comb of 3 years of Natural Science	34	2	21.5	4.0	13	2	23.1	2.7	21	3	20.5	4.6
Less than 3 years of Natural Science	155	10	17.5	-	53	8	20.4	-	100	12	15.9	-
No Nat Sci course/grade information reported	294	20	17.8	-	135	21	17.5	-	140	17	17.1	-

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

²Includes General, Physical and Earth Sciences.

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	246	16	22.4	71	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	877	58	18.0	45	949,721	67	20.5	68
Less than 4 years of English	98	7	19.3	55	112,496	8	18.8	56
No English course/grade information reported	282	19	16.8	35	93,330	7	20.2	64
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	94	6	23.0	62	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	140	9	20.7	42	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	210	14	16.5	14	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	136	9	18.1	21	204,909	14	20.4	38
Other comb of 4 or more years of Math	348	23	22.4	53	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	141	9	16.1	9	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	75	5	18.2	21	70,951	5	20.8	41
Less than 3 years of Math	71	5	17.8	23	131,252	9	17.4	14
No Math course/grade information reported	288	19	18.2	24	98,554	7	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	140	9	22.6	61	42,546	3	22.7	61
Other comb of 4 or more years Social Science	355	24	19.9	42	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	93	6	16.4	18	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	368	24	19.4	36	404,731	28	21.3	52
Less than 3 years of Social Science	255	17	20.1	44	185,561	13	20.4	45
No Soc Sci course/grade information reported	292	19	18.6	31	98,548	7	21.1	50
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	471	31	19.7	26	453,654	32	22.2	38
Bio, Chem, Phys	237	16	21.5	35	134,033	9	23.2	47
Gen Sci ¹ , Bio, Chem (Min. Core)	312	21	16.0	6	435,183	31	20.1	20
Other comb of 3 years of Natural Science	34	2	21.5	35	40,179	3	20.1	22
Less than 3 years of Natural Science	155	10	17.5	16	259,142	18	18.7	13
No Nat Sci course/grade information reported	294	20	17.8	18	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	3	0	16.7	0	0	.	3	0	16.7
Architecture & Environmental Design	21	1	18.8	1	5	12.0	18	2	18.6
Business & Management	172	11	18.8	3	16	11.3	141	15	19.0
Business & Office	8	1	16.5	0	0	.	8	1	16.5
Marketing & Distribution	13	1	18.6	0	0	.	10	1	18.4
Communications & Comm. Technologies	66	4	18.1	2	11	13.0	57	6	18.1
Community & Personal Services	28	2	15.9	2	11	14.5	24	3	16.3
Computer & Information Sciences	32	2	18.4	1	5	17.0	27	3	18.4
Cross-Disciplinary Studies	2	0	24.5	0	0	.	1	0	22.0
Education	23	2	16.5	0	0	.	19	2	17.2
Teacher Education	8	1	14.5	0	0	.	4	0	15.3
Engineering	47	3	20.5	0	0	.	44	5	21.0
Engineering-Related Technologies	33	2	19.0	0	0	.	27	3	19.0
Foreign Languages	5	0	20.0	0	0	.	5	1	20.0
Health Sciences & Allied Health Fields	122	8	17.9	2	11	15.5	106	11	18.1
Human, Family & Consumer Science	12	1	12.8	1	5	14.0	10	1	12.5
Letters	16	1	23.4	1	5	9.0	14	1	24.4
Mathematics	6	0	22.7	0	0	.	4	0	23.8
Philosophy, Religion & Theology	5	0	21.6	0	0	.	5	1	21.6
Sciences (Biological & Physical)	64	4	19.3	0	0	.	55	6	19.7
Social Sciences	127	8	20.1	0	0	.	106	11	20.2
Trade & Industrial	5	0	13.4	0	0	.	2	0	13.0
Visual & Performing Arts	74	5	17.8	3	16	13.7	59	6	18.2
Undecided	158	11	22.9	2	11	13.0	127	13	22.9
No Response	453	30	18.8	1	5	13.0	67	7	24.9

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	2	15.0	2	15.0	0	.	0	.	0	.	0	.	0	.
2-yr College Degree	17	13.1	15	13.2	0	.	0	.	1	13.0	0	.	1	11.0
Bachelors Degree	281	17.2	192	15.2	1	16.0	50	24.1	12	17.3	5	20.4	21	18.4
Graduate Study	259	21.1	123	17.0	0	.	89	25.8	7	22.7	7	25.0	33	22.5
Prof. Level Degree	403	20.9	227	17.4	0	.	86	27.7	16	22.0	6	21.7	68	23.6
Other	22	15.8	19	15.0	0	.	1	28.0	0	.	0	.	2	17.0
No Response	519	18.2	271	14.7	2	20.5	92	25.9	28	16.3	4	23.8	122	20.3

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	102	28	74	7	28	34	11	12	7	1
DELAWARE STATE UNIVERSITY	Delaware	89	33	56	15	48	33	3	1	0	0
HOWARD UNIVERSITY	District of Columbia	79	30	49	15	41	30	9	5	0	0
CLARK ATLANTA UNIVERSITY	Georgia	63	26	37	11	38	41	10	0	0	0
HAMPTON UNIVERSITY	Virginia	63	16	47	6	40	48	5	0	2	0
BOWIE STATE UNIVERSITY	Maryland	62	11	51	13	45	39	2	2	0	0
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	56	22	34	11	41	43	4	2	0	0
NORFOLK STATE UNIVERSITY	Virginia	53	15	38	4	58	30	8	0	0	0
MORGAN STATE UNIVERSITY	Maryland	51	16	35	10	45	37	6	2	0	0
VIRGINIA STATE UNIVERSITY	Virginia	49	16	33	8	63	29	0	0	0	0
GEORGETOWN UNIVERSITY	District of Columbia	46	16	30	17	30	24	4	15	4	4
TEMPLE UNIVERSITY	Pennsylvania	44	10	34	9	25	39	20	5	2	0
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	43	16	27	12	35	30	12	9	2	0
FLORIDA A&M UNIVERSITY	Florida	42	16	26	10	33	48	10	0	0	0
UNIVERSITY OF THE DISTRICT OF COLUMBIA	District of Columbia	42	11	31	29	40	31	0	0	0	0
VIRGINIA TECH	Virginia	39	10	29	8	13	26	18	18	18	0
UNIVERSITY OF MARYLAND EASTERN SHORE	Maryland	38	8	30	21	39	37	3	0	0	0
GEORGE MASON UNIVERSITY	Virginia	37	8	29	11	38	32	8	8	3	0
UNIV OF VIRGINIA-MAIN CAMPUS	Virginia	37	8	29	3	16	16	22	14	24	5
GEORGE WASHINGTON UNIVERSITY THE	District of Columbia	35	9	26	26	17	26	14	11	6	0
NORTH CAROLINA CENTRAL UNIVERSITY	North Carolina	33	4	29	12	33	48	6	0	0	0
SPELMAN COLLEGE	Georgia	33	10	23	24	27	36	9	3	0	0
TRINITY (WASHINGTON) UNIVERSITY	District of Columbia	32	6	26	25	47	28	0	0	0	0
VIRGINIA COMMONWEALTH UNIVERSITY	Virginia	32	8	24	3	53	38	6	0	0	0
AMERICAN UNIVERSITY	District of Columbia	30	12	18	7	43	23	13	7	7	0
GALLAUDET UNIVERSITY	District of Columbia	30	21	9	30	40	23	3	0	3	0
JOHNSON C SMITH UNIVERSITY	North Carolina	29	7	22	10	34	48	7	0	0	0
TOWSON UNIVERSITY	Maryland	28	2	26	7	36	21	29	4	4	0
ROCHESTER INST OF TECHNOLOGY	New York	27	8	19	22	48	22	4	0	0	4
NEW YORK UNIVERSITY	New York	26	9	17	4	23	46	12	12	4	0
All Other Institutions		1,542	384	1,158	9	27	27	16	13	6	1
Total		2,912	796	2,116	10	32	31	12	9	5	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	1,007	770,529	20.8	21.4	7.3	7.3	20.5	20.9
African Am./Black	482	86,049	16.1	16.6	6.5	6.5	16.3	16.6
Am. Indian/Alaska Native	2	5,148	17.5	18.9	7.0	6.7	18.0	18.5
Caucasian Am./White	284	464,177	27.2	22.5	8.2	7.4	26.0	21.8
Hispanic	49	71,060	17.2	18.3	7.2	7.1	17.7	18.5
Asian Am./Pacific Islander	17	37,359	23.5	23.1	7.9	7.9	23.1	22.6
Other/No Response	173	106,736	24.2	22.2	8.0	7.5	23.6	21.7
Males	458	327,613	21.8	20.9	7.3	7.0	21.2	20.2
Females	514	421,968	19.5	21.7	7.3	7.6	19.5	21.3
Missing	35	20,948	25.8	23.9	8.4	7.9	25.1	23.2

