

# ACT High School Profile Report

The Graduating Class of 2007  
District of Columbia





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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](http://www.act.org)

### **How to Improve Scores and Increase College Readiness**

16% of 2007 graduates met all four ACT College Readiness Benchmark Scores (Table 1.1). To improve students' scores and increase the percentage of students identified as college ready, ACT suggests:

**PROVIDING ACCESS FOR ALL STUDENTS TO TAKE THE ACT.** 1,193 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. 36% 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 6% of the cohort took less than three years of math courses. Of these students, 29% were college ready. 9% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 6% of these students were college ready. In comparison, 32% 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. 17% of these students were college ready. In comparison, 19% 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 66% 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](http://www.act.org/standard).

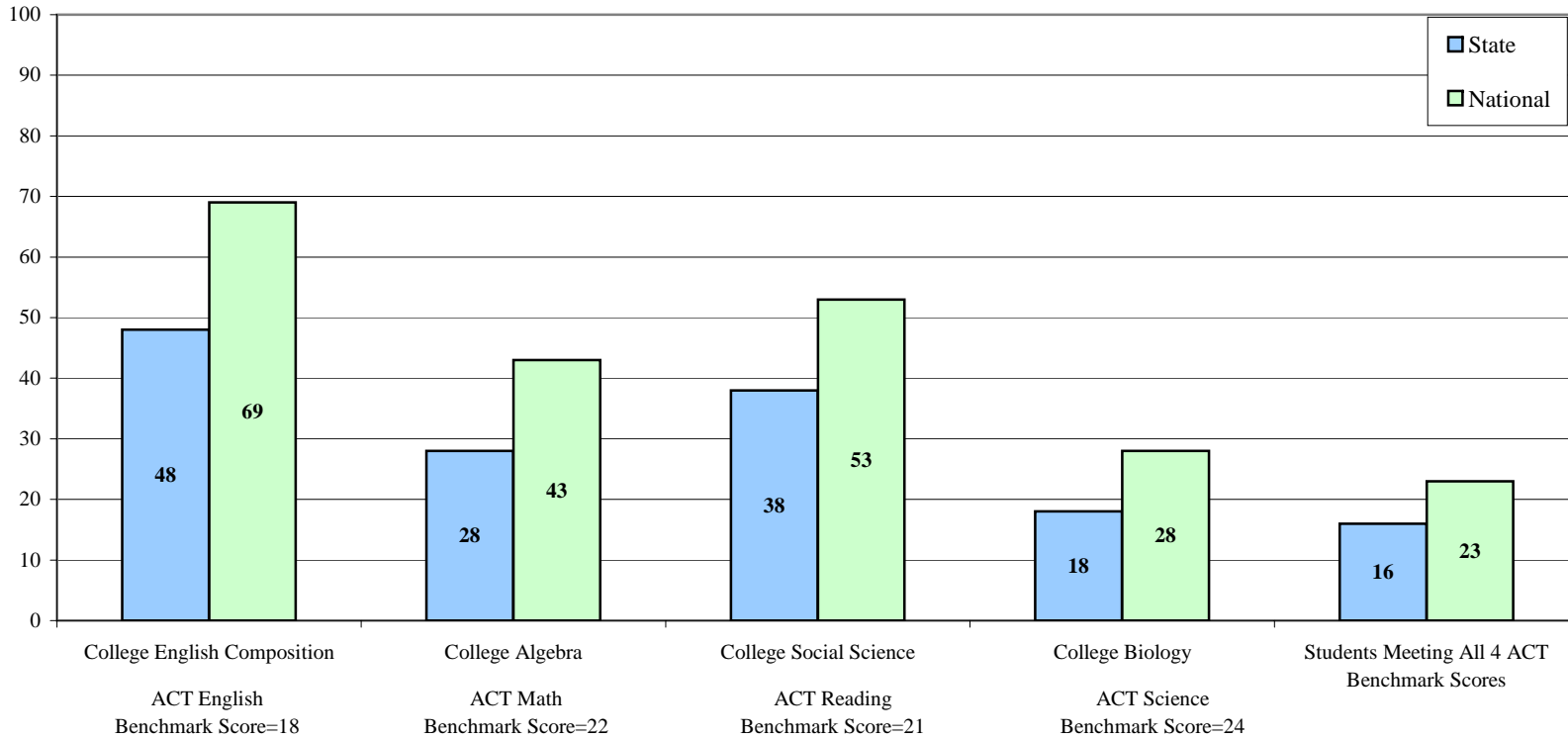
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic 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									
	State	National	English		Mathematics		Reading		Science		Meeting All Four	
			State	National	State	National	State	National	State	National	State	National
2003	978	1,175,059	39	67	20	40	29	52	12	26	10	20
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
<b>2007</b>	<b>1,193</b>	<b>1,300,599</b>	<b>48</b>	<b>69</b>	<b>28</b>	<b>43</b>	<b>38</b>	<b>53</b>	<b>18</b>	<b>28</b>	<b>16</b>	<b>23</b>

**Table 1.2. Five Year Trends—Average ACT Scores**

Grad Year	Number of Students Tested		Average ACT Scores									
	State	National	English		Mathematics		Reading		Science		Composite	
			State	National	State	National	State	National	State	National	State	National
2003	978	1,175,059	16.6	20.3	17.6	20.6	18.0	21.2	17.4	20.8	17.5	20.8
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
<b>2007</b>	<b>1,193</b>	<b>1,300,599</b>	<b>18.1</b>	<b>20.7</b>	<b>18.8</b>	<b>21.0</b>	<b>19.2</b>	<b>21.5</b>	<b>18.3</b>	<b>21.0</b>	<b>18.7</b>	<b>21.2</b>

**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
<b>2007</b>	<b>1,300,599</b>	<b>20.7</b>	<b>21.0</b>	<b>21.5</b>	<b>21.0</b>	<b>21.2</b>

**Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation**

Grad Year	Number of Students Tested		Percent <sup>1</sup>		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	472	296	48	30	17.1	16.1	17.8	17.1	18.2	17.9	17.8	16.8	17.9	17.1
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
<b>2007</b>	<b>433</b>	<b>357</b>	<b>36</b>	<b>30</b>	<b>18.5</b>	<b>18.1</b>	<b>18.9</b>	<b>18.6</b>	<b>19.4</b>	<b>19.5</b>	<b>18.6</b>	<b>18.2</b>	<b>19.0</b>	<b>18.8</b>

<sup>1</sup>Percent 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
<b>All Students</b>	<b>978</b>	<b>100</b>	<b>17.5</b>	<b>1,064</b>	<b>100</b>	<b>17.8</b>	<b>1,018</b>	<b>100</b>	<b>18.0</b>	<b>1,077</b>	<b>100</b>	<b>18.4</b>	<b>1,193</b>	<b>100</b>	<b>18.7</b>
African American/Black	657	67	15.8	746	70	16.2	645	63	15.9	660	61	15.7	672	56	15.9
American Indian/Alaska Native	3	0	15.3	4	0	14.8	4	0	16.8	4	0	17.3	4	0	19.3
Caucasian American/White	146	15	23.4	144	14	23.8	166	16	24.6	185	17	25.1	201	17	25.1
Hispanic	41	4	18.8	54	5	18.7	56	6	16.8	55	5	18.5	60	5	19.3
Asian American/Pacific Islander	24	2	20.4	21	2	22.0	23	2	22.0	23	2	21.2	26	2	20.5
Other/No Response	107	11	18.9	95	9	19.8	124	12	19.9	150	14	21.3	230	19	21.2

# Section II

# Academic Achievement

**Table 2.1. ACT Score Distributions, Cumulative Percentages (CP<sup>1</sup>), and Score Averages for All Students**

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
36	1	100	3	100	0	100	1	100	0	100	36
35	10	100	9	100	8	100	8	100	3	100	35
34	16	99	7	99	15	99	0	99	6	100	34
33	10	98	8	98	22	98	8	99	3	99	33
32	23	97	9	98	27	96	8	99	12	99	32
31	22	95	20	97	24	94	3	98	19	98	31
30	19	93	12	95	21	92	10	98	22	96	30
29	26	92	29	94	18	90	10	97	31	95	29
28	28	89	19	92	38	89	19	96	28	92	28
27	32	87	34	90	30	85	26	94	31	90	27
26	28	84	41	87	32	83	31	92	41	87	26
25	43	82	54	84	31	80	44	90	39	84	25
24	34	78	26	79	38	78	50	86	32	80	24
23	34	76	29	77	55	75	46	82	53	78	23
22	45	73	33	75	46	70	53	78	43	73	22
21	40	69	35	72	52	66	80	73	45	70	21
20	57	66	35	69	51	62	83	67	47	66	20
19	62	61	48	66	58	57	67	60	60	62	19
18	45	56	58	62	45	53	86	54	65	57	18
17	51	52	88	57	67	49	89	47	77	51	17
16	59	48	153	50	92	43	79	39	93	45	16
15	60	43	184	37	62	35	84	33	102	37	15
14	90	38	142	22	102	30	66	26	115	29	14
13	56	30	52	10	88	22	59	20	86	19	13
12	65	25	35	5	74	14	46	15	65	12	12
11	47	20	16	3	39	8	57	11	43	6	11
10	52	16	8	1	28	5	42	7	17	3	10
9	37	12	4	1	15	3	17	3	10	1	9
8	56	8	1	1	4	1	10	2	4	1	8
7	28	4	0	1	4	1	5	1	0	1	7
6	12	1	1	1	3	1	5	1	1	1	6
5	3	1	0	1	1	1	1	1	0	1	5
4	0	1	0	1	2	1	0	1	0	1	4
3	2	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	18.1 (7.3)		18.8 (5.7)		19.2 (6.6)		18.3 (5.6)		18.7 (5.9)		Avg (SD)

<sup>1</sup>Note: 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 (CP<sup>1</sup>), 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 <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	N	CP <sup>1</sup>	
18	38	100	8	100	8	100	27	100	28	100	13	100	12	100	18
17	60	97	17	99	57	99	60	98	52	98	15	99	7	99	17
16	33	92	37	98	45	95	63	93	53	93	25	98	24	98	16
15	37	89	64	95	45	91	74	87	42	89	35	96	47	96	15
14	66	86	68	89	47	87	58	81	67	85	55	93	69	92	14
13	40	80	72	84	48	83	63	76	57	80	74	88	73	87	13
12	56	77	76	78	87	79	77	71	50	75	69	82	69	81	12
11	58	72	92	71	101	72	67	65	66	71	73	76	84	75	11
10	88	67	102	64	97	63	71	59	76	65	184	70	97	68	10
9	75	60	99	55	110	55	102	53	71	59	151	54	158	60	9
8	114	54	142	47	171	46	84	45	112	53	150	42	134	46	8
7	98	44	107	35	105	32	105	37	228	44	105	29	146	35	7
6	104	36	98	26	103	23	148	29	161	24	83	20	76	23	6
5	116	27	102	18	56	14	98	16	75	11	72	13	59	17	5
4	94	18	67	9	60	9	69	8	39	5	25	7	43	12	4
3	67	10	30	4	32	4	18	2	12	1	46	5	50	8	3
2	44	4	10	1	15	2	9	1	4	1	1	2	16	4	2
1	5	1	2	1	6	1	0	1	0	1	17	1	29	2	1
Avg (SD)	8.9 (4.4)		9.3 (3.7)		9.5 (3.8)		9.8 (4.2)		9.5 (3.9)		9.2 (3.4)		9.0 (3.7)		Avg (SD)

<sup>1</sup>Note: 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)	23	23	24	22	23
Q2 (50th Percentile)	17	17	18	18	17
Q1 (25th Percentile)	12	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	<b>All Students</b>	<b>1,193</b>	<b>36</b>	<b>19.0</b>	<b>18.8</b>
	African Am./Black	672	41	16.3	15.8
	Am. Indian/Alaska Native	4	75	22.3	.
	Caucasian Am./White	201	33	26.3	25.3
	Hispanic	60	40	20.4	18.8
	Asian Am./Pacific Islander	26	35	22.2	20.9
	Other/No Response	230	25	22.2	21.3
National	<b>All Students</b>	<b>1,300,599</b>	<b>51</b>	<b>22.0</b>	<b>19.8</b>
	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	<b>All Students</b>	18.1	18.8	19.2	18.3	18.7
	African Am./Black	14.9	16.0	16.4	15.8	15.9
	Am. Indian/Alaska Native	17.5	18.3	21.0	19.8	19.3
	Caucasian Am./White	25.5	24.8	25.5	23.8	25.1
	Hispanic	18.2	19.4	19.6	19.3	19.3
	Asian Am./Pacific Islander	19.8	21.1	20.7	20.0	20.5
	Other/No Response	20.9	21.3	21.7	20.5	21.2
National	<b>All Students</b>	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	37	3	27	2	45	4	17	1
	28 to 32	118	10	89	7	128	11	50	4
	24 to 27	137	11	155	13	131	11	151	13
	20 to 23	176	15	132	11	204	17	262	22
	16 to 19	217	18	347	29	262	22	321	27
	13 to 15	206	17	378	32	252	21	209	18
	01 to 12	302	25	65	5	171	14	183	15
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	503	42	19.0	20.3	20.0	19.5	19.8
	Females	612	51	16.7	17.1	18.0	16.9	17.3
	Missing	78	7	22.8	22.6	23.5	22.1	22.8
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	55	40	45	26	24
	Females	39	15	29	9	8
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

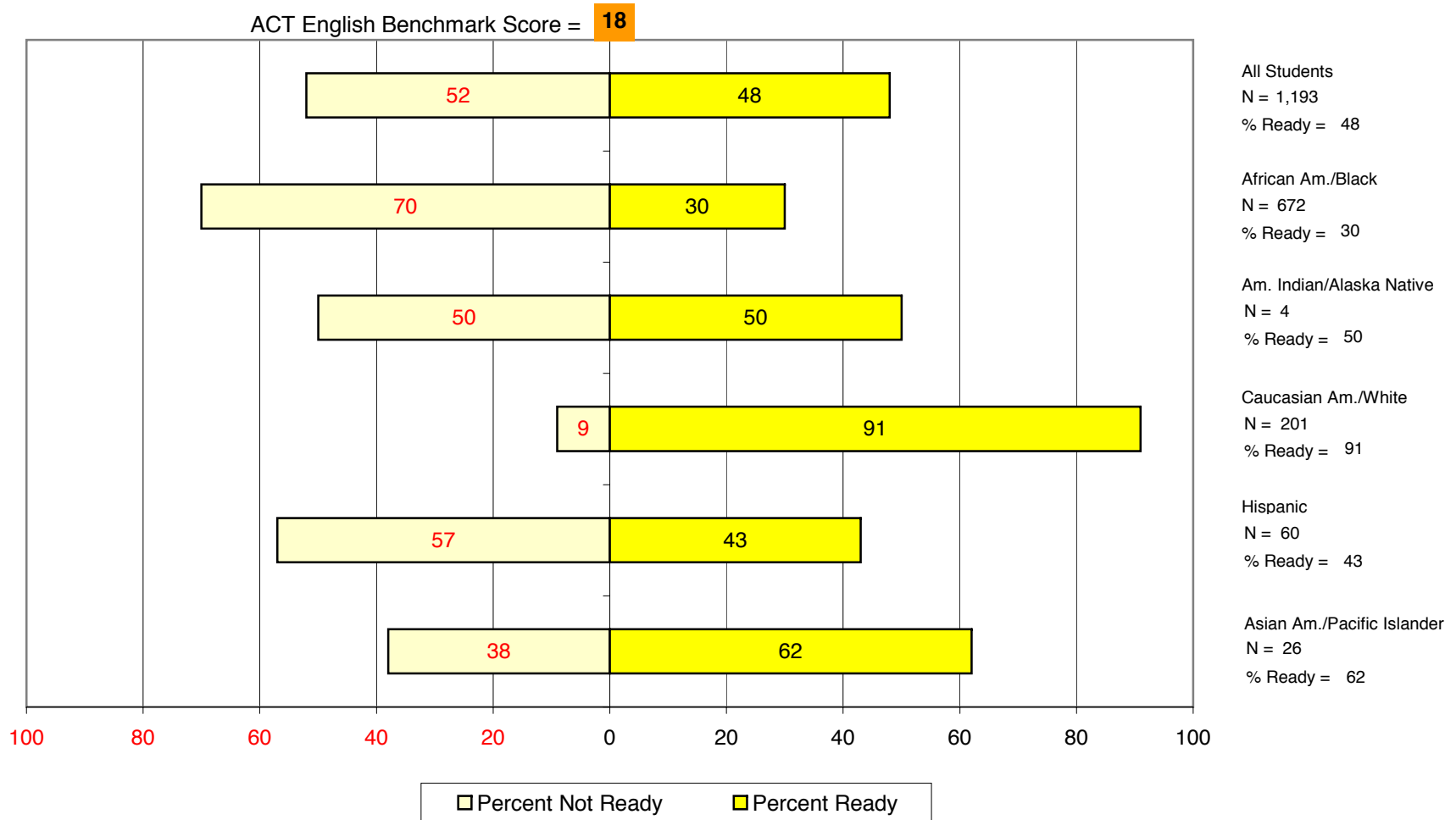


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

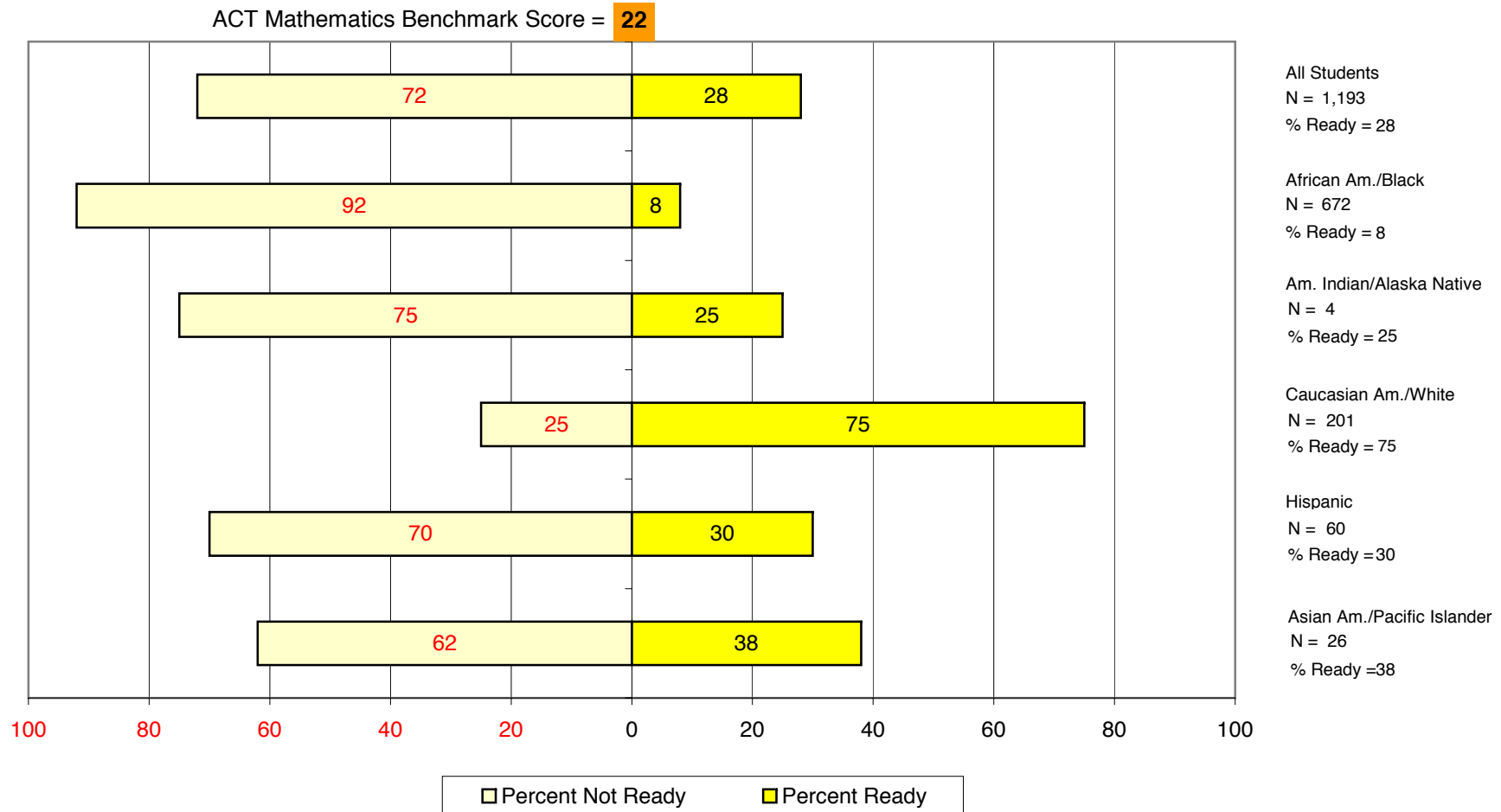


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

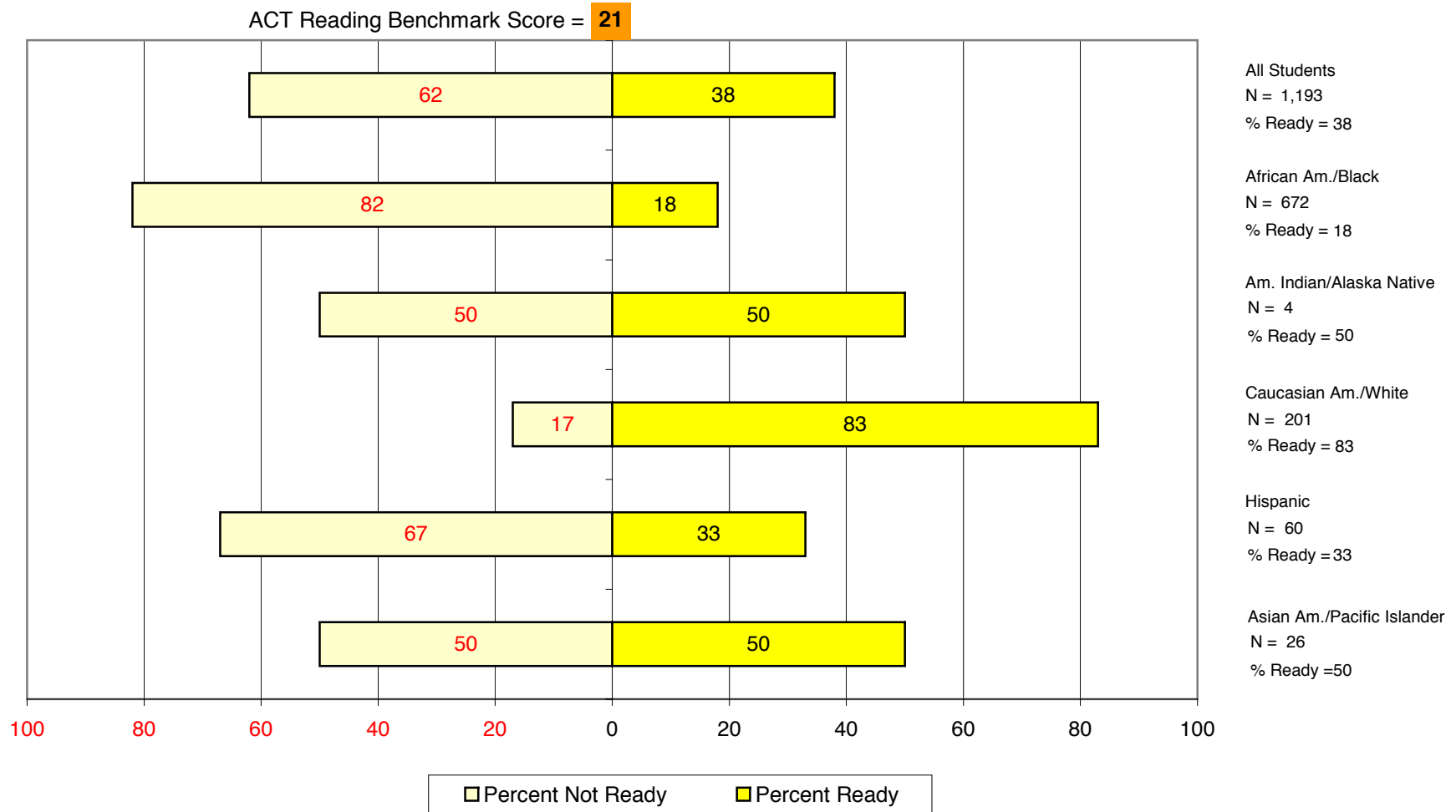


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

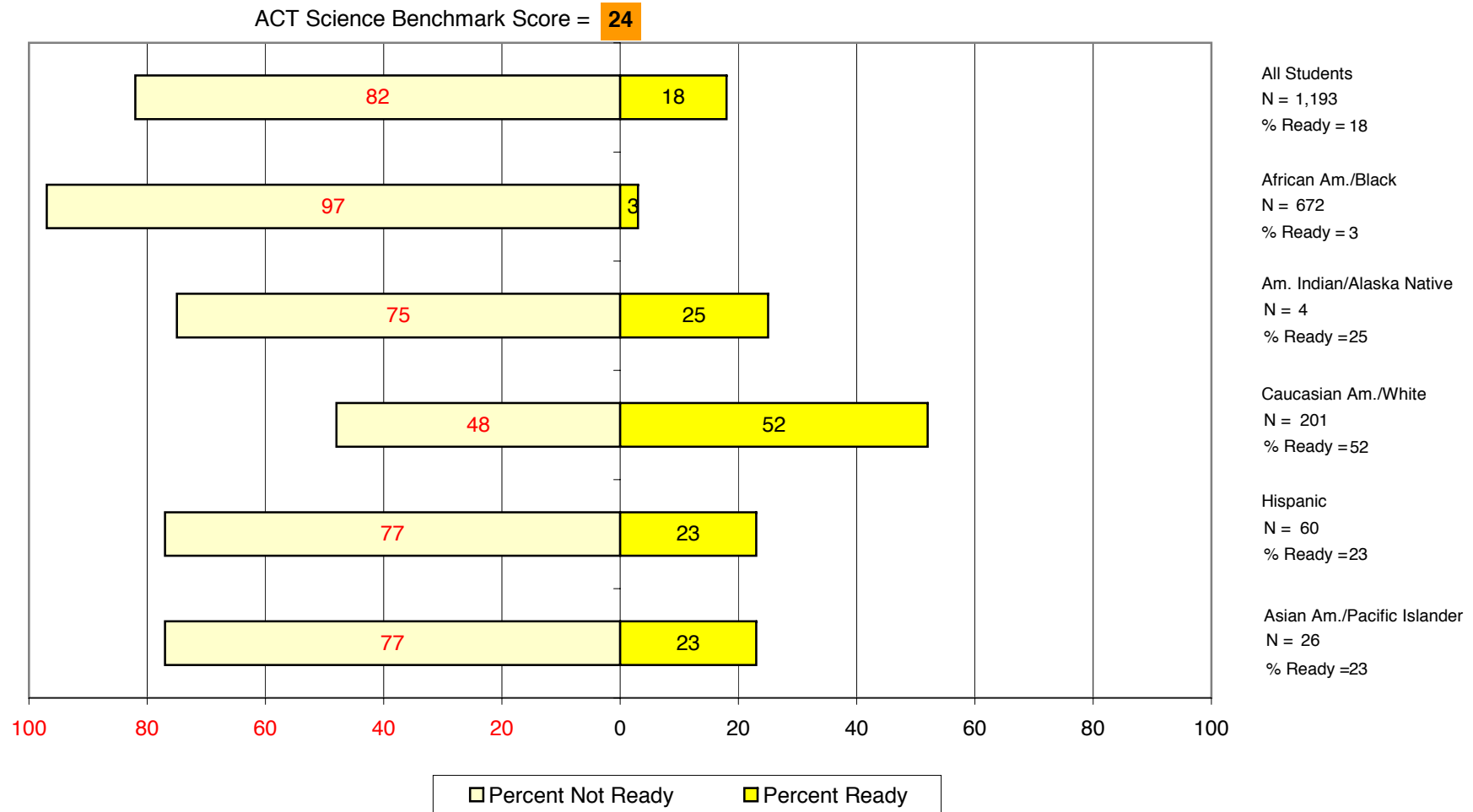
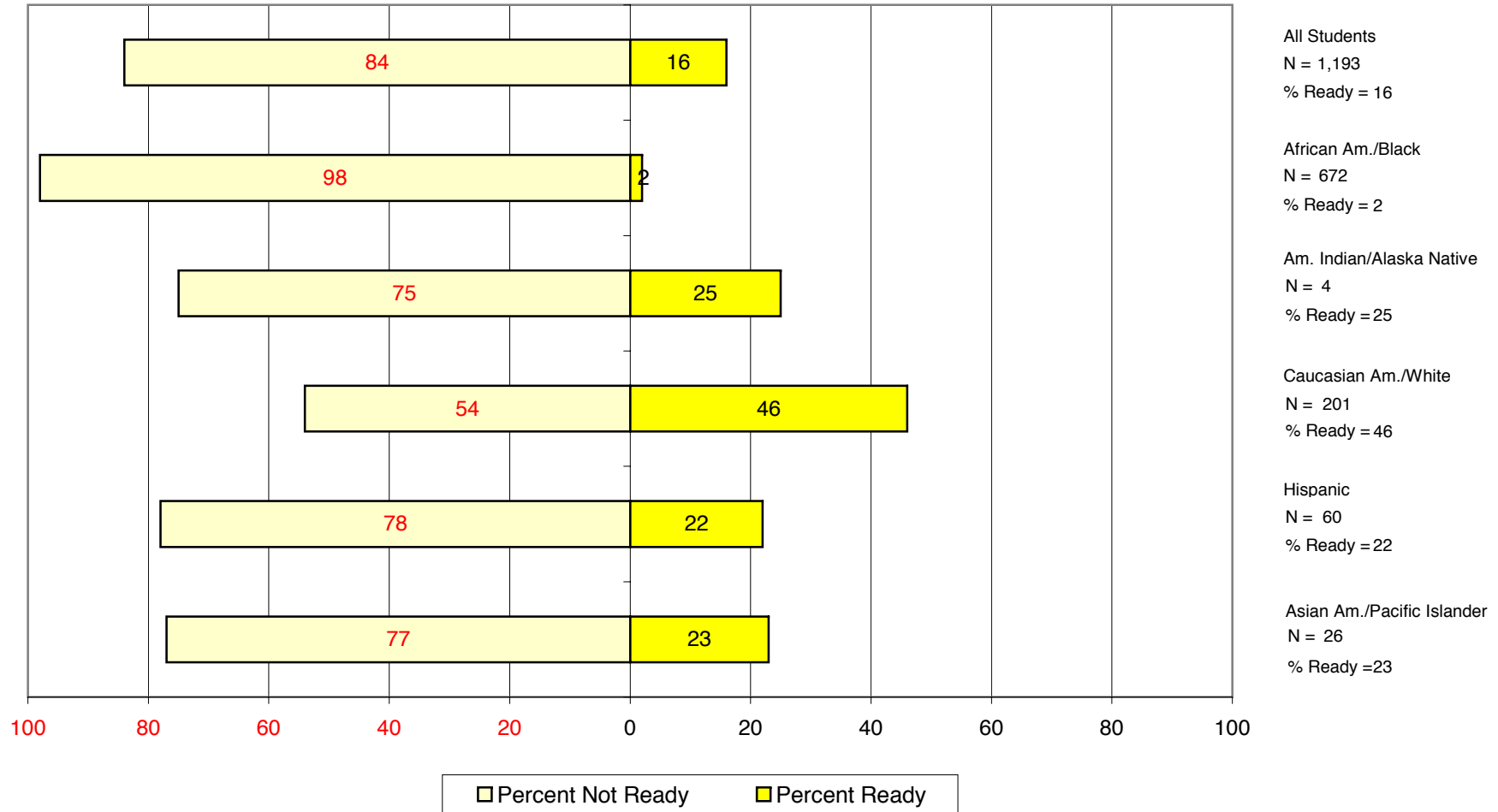


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**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 <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>	N	Percent	ACT English	Course Value Added <sup>1</sup>
<b>ENGLISH COURSE PATTERN</b>												
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	95	8	21.3	2.7	38	8	20.9	1.1	49	8	21.4	5.2
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	574	48	17.8	-0.8	240	48	19.4	-0.4	312	51	16.5	0.3
Less than 4 years of English	118	10	18.6	-	55	11	19.8	-	53	9	16.2	-
No English course/grade information reported	406	34	17.6	-	170	34	17.9	-	198	32	16.2	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	51	4	21.4	2.9	21	4	22.6	3.2	27	4	19.9	3.8
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	83	7	20.0	1.5	36	7	22.6	3.2	44	7	17.9	1.8
Alg 1, Alg 2, Geom, & Trig	165	14	16.9	-1.6	54	11	19.3	-0.1	104	17	15.4	-0.7
Alg 1, Alg 2, Geom, & Other Adv Math	85	7	18.4	-0.1	35	7	19.5	0.1	49	8	17.7	1.6
Other comb of 4 or more years of Math	162	14	21.7	3.2	83	17	24.0	4.6	69	11	19.0	2.9
Alg 1, Alg 2, & Geom (Min. Core)	102	9	15.6	-2.9	41	8	15.4	-4.0	56	9	15.2	-0.9
Other comb of 3 or 3.5 years of Math	48	4	18.1	-0.4	22	4	18.6	-0.8	25	4	17.7	1.6
Less than 3 years of Math	76	6	18.5	-	37	7	19.4	-	32	5	16.1	-
No Math course/grade information reported	421	35	18.8	-	174	35	19.7	-	206	34	17.2	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	92	8	22.6	2.6	65	13	23.0	2.5	25	4	21.4	2.6
Other comb of 4 or more years Social Science	169	14	19.0	-1.0	62	12	20.1	-0.4	98	16	17.9	-0.9
US Hist, World Hist, & Am Gov (Min. Core)	53	4	16.6	-3.4	20	4	15.4	-5.1	32	5	17.2	-1.6
Other comb of 3 or 3.5 years of Social Science	225	19	18.4	-1.6	79	16	19.8	-0.7	139	23	17.5	-1.3
Less than 3 years of Social Science	227	19	20.0	-	99	20	20.5	-	113	18	18.8	-
No Soc Sci course/grade information reported	427	36	18.9	-	178	35	19.3	-	205	33	17.6	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	249	21	18.8	1.3	106	21	20.2	1.0	132	22	17.5	2.1
Bio, Chem, Phys	162	14	21.0	3.5	72	14	23.1	3.9	77	13	18.7	3.3
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	187	16	16.4	-1.1	73	15	17.2	-2.0	112	18	15.8	0.4
Other comb of 3 years of Natural Science	25	2	18.5	1.0	10	2	18.7	-0.5	13	2	17.4	2.0
Less than 3 years of Natural Science	132	11	17.5	-	61	12	19.2	-	64	10	15.4	-
No Nat Sci course/grade information reported	438	37	18.2	-	181	36	18.7	-	214	35	16.9	-

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

<sup>2</sup>Includes 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
<b>ENGLISH COURSE PATTERN</b>								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	95	8	21.3	65	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	574	48	17.8	48	766,001	59	20.5	68
Less than 4 years of English	118	10	18.6	53	141,777	11	19.7	64
No English course/grade information reported	406	34	17.6	44	201,619	16	20.7	69
<b>MATHEMATICS COURSE PATTERN</b>								
Alg 1, Alg 2, Geom, Trig, & Calc	51	4	21.4	45	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	83	7	20.0	39	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	165	14	16.9	16	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	85	7	18.4	25	163,562	13	20.4	38
Other comb of 4 or more years of Math	162	14	21.7	47	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	102	9	15.6	6	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	48	4	18.1	23	57,945	4	20.9	43
Less than 3 years of Math	76	6	18.5	29	145,617	11	18.3	21
No Math course/grade information reported	421	35	18.8	27	211,787	16	21.1	44
<b>SOCIAL SCIENCE COURSE PATTERN</b>								
US Hist, World Hist, Am Gov, & Other Hist	92	8	22.6	60	31,985	2	22.7	61
Other comb of 4 or more years Social Science	169	14	19.0	39	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	53	4	16.6	26	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	225	19	18.4	28	333,689	26	21.4	52
Less than 3 years of Social Science	227	19	20.0	43	201,605	16	20.6	47
No Soc Sci course/grade information reported	427	36	18.9	38	212,012	16	21.5	53
<b>NATURAL SCIENCE COURSE PATTERN</b>								
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	249	21	18.8	18	333,648	26	22.4	40
Bio, Chem, Phys	162	14	21.0	32	115,297	9	23.4	48
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	187	16	16.4	8	353,348	27	20.2	20
Other comb of 3 years of Natural Science	25	2	18.5	28	32,593	3	20.4	24
Less than 3 years of Natural Science	132	11	17.5	17	247,312	19	19.1	15
No Nat Sci course/grade information reported	438	37	18.2	17	218,401	17	20.9	29

<sup>1</sup>Includes 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 <sup>1</sup>	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp	N	Percent <sup>2</sup>	Avg ACT Comp
Agriculture Sciences & Technologies	8	1	14.9	0	0	.	7	1	15.0
Architecture & Environmental Design	13	1	17.5	0	0	.	12	2	18.1
Business & Management	94	8	18.2	2	7	15.5	86	13	18.3
Business & Office	2	0	17.0	0	0	.	2	0	17.0
Marketing & Distribution	6	1	17.2	0	0	.	5	1	17.4
Communications & Comm. Technologies	49	4	18.3	3	11	18.7	46	7	18.3
Community & Personal Services	19	2	16.1	1	4	16.0	16	2	16.3
Computer & Information Sciences	15	1	16.0	1	4	14.0	13	2	16.3
Cross-Disciplinary Studies	1	0	27.0	0	0	.	1	0	27.0
Education	14	1	14.6	0	0	.	11	2	14.5
Teacher Education	4	0	14.8	0	0	.	4	1	14.8
Engineering	28	2	19.1	2	7	19.5	24	4	19.0
Engineering-Related Technologies	13	1	18.6	0	0	.	12	2	19.5
Foreign Languages	2	0	25.5	0	0	.	2	0	25.5
Health Sciences & Allied Health Fields	78	7	16.8	2	7	12.5	71	11	16.8
Human, Family & Consumer Science	12	1	17.3	3	11	16.3	9	1	17.7
Letters	2	0	22.5	0	0	.	2	0	22.5
Mathematics	6	1	24.0	0	0	.	6	1	24.0
Philosophy, Religion & Theology	4	0	20.3	0	0	.	3	0	23.0
Sciences (Biological & Physical)	29	2	22.4	0	0	.	29	4	22.4
Social Sciences	80	7	19.2	5	18	14.8	70	11	19.7
Trade & Industrial	2	0	16.0	0	0	.	2	0	16.0
Visual & Performing Arts	45	4	17.7	3	11	17.3	40	6	17.7
Undecided	111	9	19.4	5	18	14.8	92	14	20.0
No Response	556	47	19.1	1	4	13.0	92	14	22.3

<sup>1</sup>2-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*.

<sup>2</sup>Percent 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	7	18.6	4	16.8	0	.	1	24.0	1	23.0	1	16.0	0	.
2-yr College Degree	21	14.9	16	14.4	0	.	1	27.0	1	18.0	0	.	3	12.7
Bachelors Degree	198	16.8	130	14.7	0	.	31	22.9	9	18.8	6	18.8	22	19.3
Graduate Study	191	20.1	93	17.2	1	10.0	53	23.6	9	21.2	5	20.0	30	22.8
Prof. Level Degree	268	20.2	153	17.1	2	24.0	47	28.1	17	20.8	7	24.4	42	21.6
Other	22	14.2	19	14.0	0	.	1	23.0	1	12.0	0	.	1	11.0
No Response	486	18.5	257	15.5	1	19.0	67	25.2	22	17.7	7	19.0	132	21.2

**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
HOWARD UNIVERSITY	District of Columbia	86	31	55	16	34	37	9	3	0	0
UNIVERSITY OF MARYLAND COLLEGE PARK	Maryland	81	24	57	10	30	25	21	6	7	1
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	74	23	51	9	41	38	9	3	0	0
BOWIE STATE UNIVERSITY	Maryland	69	17	52	14	46	33	6	0	0	0
HAMPTON UNIVERSITY	Virginia	64	12	52	11	45	27	14	3	0	0
VIRGINIA STATE UNIVERSITY	Virginia	59	6	53	17	46	32	5	0	0	0
CLARK ATLANTA UNIVERSITY	Georgia	58	19	39	12	43	40	5	0	0	0
MORGAN STATE UNIVERSITY	Maryland	56	14	42	16	45	30	7	2	0	0
TEMPLE UNIVERSITY	Pennsylvania	51	12	39	6	41	33	18	2	0	0
FLORIDA A&M UNIVERSITY	Florida	49	15	34	12	37	33	16	2	0	0
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	49	8	41	8	35	27	22	4	4	0
UNIVERSITY OF THE DISTRICT OF COLUMBIA	District of Columbia	46	15	31	39	43	17	0	0	0	0
GEORGETOWN UNIVERSITY	District of Columbia	42	14	28	12	36	26	12	2	10	2
NORFOLK STATE UNIVERSITY	Virginia	42	11	31	17	31	40	12	0	0	0
DELAWARE STATE UNIVERSITY	Delaware	41	8	33	10	39	34	17	0	0	0
GEORGE MASON UNIVERSITY	Virginia	39	7	32	5	41	33	18	0	3	0
VIRGINIA COMMONWEALTH UNIVERSITY	Virginia	39	8	31	10	23	46	21	0	0	0
GEORGE WASHINGTON UNIVERSITY THE	District of Columbia	38	14	24	11	34	37	13	3	3	0
UNIVERSITY OF MARYLAND EASTERN SHORE	Maryland	38	11	27	16	39	34	11	0	0	0
UNIV OF VIRGINIA-MAIN CAMPUS	Virginia	35	12	23	0	26	17	14	23	20	0
VIRGINIA TECH	Virginia	35	6	29	3	37	20	17	11	11	0
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	30	4	26	7	10	37	20	20	7	0
UNIVERSITY OF PENNSYLVANIA	Pennsylvania	29	10	19	0	3	31	14	28	21	3
AMERICAN UNIVERSITY	District of Columbia	28	8	20	4	36	29	21	4	7	0
GALLAUDET UNIVERSITY	District of Columbia	28	17	11	36	39	18	7	0	0	0
ROCHESTER INST OF TECHNOLOGY	New York	28	12	16	32	29	29	11	0	0	0
NEW YORK UNIVERSITY	New York	27	5	22	4	33	26	26	7	4	0
NORTH CAROLINA CENTRAL UNIVERSITY	North Carolina	27	10	17	11	56	26	4	4	0	0
TRINITY (WASHINGTON) UNIVERSITY	District of Columbia	27	11	16	22	41	33	4	0	0	0
BOSTON COLLEGE	Massachusetts	21	11	10	0	10	19	14	33	19	5
All Other Institutions		1,512	369	1,143	13	27	26	18	10	5	0
<b>Total</b>		<b>2,848</b>	<b>744</b>	<b>2,104</b>	<b>13</b>	<b>32</b>	<b>29</b>	<b>15</b>	<b>7</b>	<b>4</b>	<b>0</b>

# 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
<b>All Students</b>	<b>682</b>	<b>532,943</b>	<b>20.6</b>	<b>22.3</b>	<b>7.4</b>	<b>7.6</b>	<b>20.4</b>	<b>21.8</b>
African Am./Black	306	50,340	16.2	17.2	6.7	6.7	16.6	17.3
Am. Indian/Alaska Native	2	3,462	26.0	19.8	7.5	7.0	24.5	19.4
Caucasian Am./White	158	308,578	26.8	23.4	8.3	7.6	25.8	22.6
Hispanic	47	42,588	18.3	18.8	7.6	7.3	19.0	19.0
Asian Am./Pacific Islander	19	25,616	21.3	23.2	7.4	8.0	20.9	22.8
Other/No Response	150	102,359	23.5	23.2	7.9	7.8	23.0	22.7
Males	316	204,427	21.3	22.0	7.4	7.3	21.0	21.3
Females	309	285,556	19.1	22.5	7.3	7.7	19.2	22.1
Missing	57	42,960	24.7	23.0	8.2	7.8	24.1	22.6



