

# ACT High School Profile Report

The Graduating Class of 2007  
National





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National

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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

23% 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.** 1,300,599 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. 51% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

**MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES.** Table 3.2 reports 11% of the cohort took less than three years of math courses. Of these students, 21% were college ready. 17% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 15% of these students were college ready. In comparison, 55% 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 19% of the cohort took less than three years of natural science courses. 15% of these students were college ready. In comparison, 32% 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 46% 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).

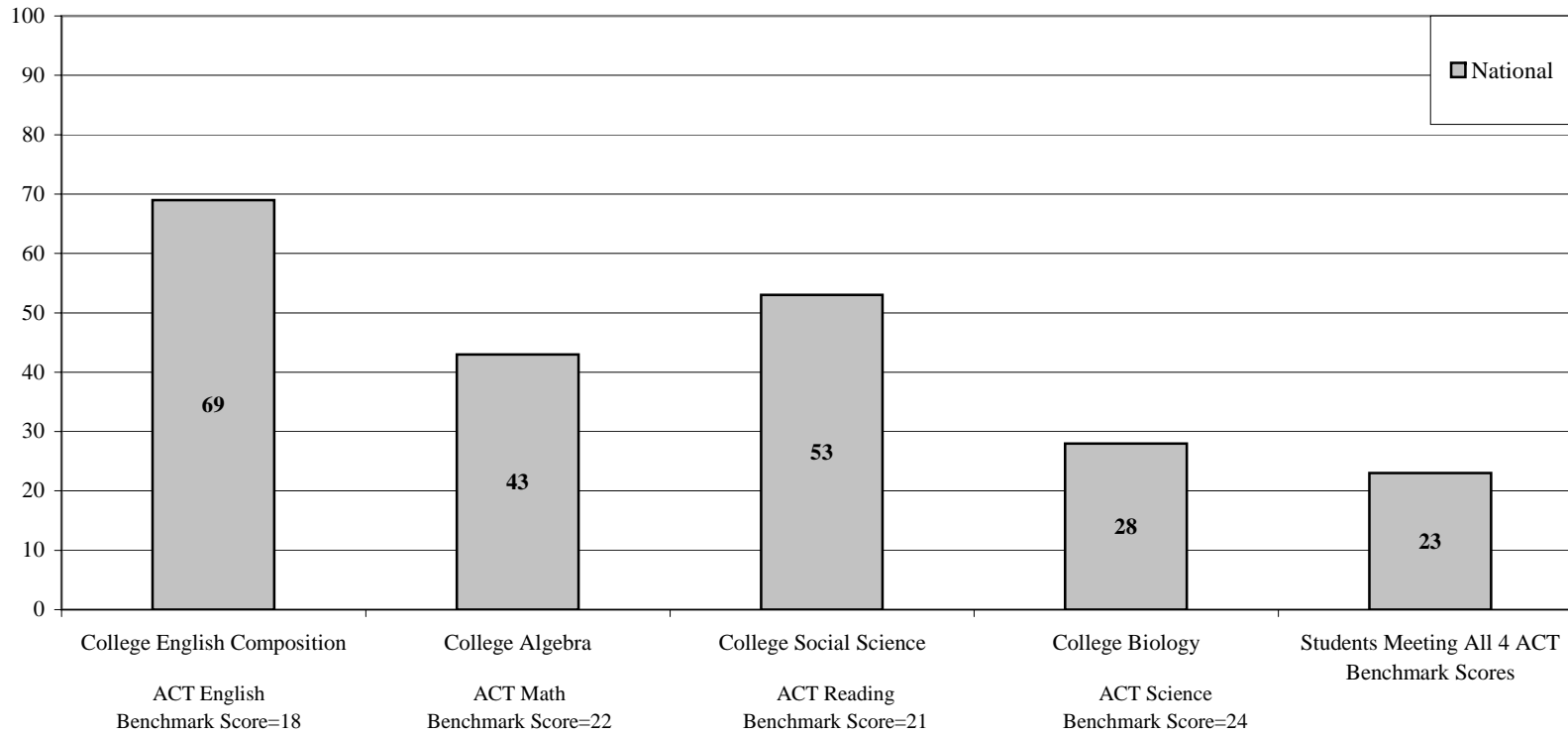
**PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS.** Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic 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 1-800-553-6244 x1726.

# 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 National	Percent Meeting Benchmarks				
		English National	Mathematics National	Reading National	Science National	Meeting All Four National
2003	1,175,059	67	40	52	26	20
2004	1,171,460	68	40	52	26	21
2005	1,186,251	68	41	51	26	21
2006	1,206,455	69	42	53	27	21
<b>2007</b>	<b>1,300,599</b>	<b>69</b>	<b>43</b>	<b>53</b>	<b>28</b>	<b>23</b>

**Table 1.2. Five Year Trends—Average ACT Scores (this table omitted in National report)**

**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	667,526	410,753	57	35	21.4	18.5	21.6	18.9	22.2	19.7	21.7	19.5	21.8	19.3
2004	661,290	405,328	56	35	21.5	18.7	21.7	19.1	22.3	19.8	21.7	19.6	21.9	19.4
2005	658,430	406,763	56	34	21.6	18.8	21.7	19.1	22.2	19.8	21.7	19.6	21.9	19.5
2006	647,298	413,888	54	34	21.6	19.0	21.8	19.4	22.3	20.1	21.7	19.7	22.0	19.7
<b>2007</b>	<b>659,603</b>	<b>444,906</b>	<b>51</b>	<b>34</b>	<b>21.7</b>	<b>19.2</b>	<b>21.9</b>	<b>19.6</b>	<b>22.4</b>	<b>20.2</b>	<b>21.8</b>	<b>19.8</b>	<b>22.0</b>	<b>19.8</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>1,175,059</b>	<b>100</b>	<b>20.8</b>	<b>1,171,460</b>	<b>100</b>	<b>20.9</b>	<b>1,186,251</b>	<b>100</b>	<b>20.9</b>	<b>1,206,455</b>	<b>100</b>	<b>21.1</b>	<b>1,300,599</b>	<b>100</b>	<b>21.2</b>
African American/Black	129,507	11	16.9	131,925	11	17.1	138,964	12	17.0	139,118	12	17.1	152,412	12	17.0
American Indian/Alaska Native	12,127	1	18.7	12,507	1	18.8	13,695	1	18.7	13,635	1	18.8	14,044	1	18.9
Caucasian American/White	804,858	68	21.7	787,870	67	21.8	781,581	66	21.9	760,084	63	22.0	779,147	60	22.1
Hispanic	75,449	6	18.5	78,584	7	18.5	83,447	7	18.6	85,796	7	18.6	93,137	7	18.7
Asian American/Pacific Islander	39,102	3	21.8	39,337	3	21.9	39,284	3	22.1	39,867	3	22.3	42,257	3	22.6
Other/No Response	114,016	10	20.6	121,237	10	20.9	129,280	11	20.9	167,955	14	21.1	219,602	17	21.6

# 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	1,707	100	2,841	100	5,872	100	3,499	100	314	100	36
35	10,801	100	6,996	100	12,077	100	8,586	100	2,471	100	35
34	17,291	99	9,684	99	18,135	99	3,960	99	5,420	100	34
33	14,770	98	9,546	98	22,698	97	10,405	99	9,033	99	33
32	14,839	97	13,943	98	26,160	95	9,007	98	13,626	99	32
31	22,012	95	19,693	97	33,183	93	10,361	97	18,943	98	31
30	23,901	94	18,955	95	33,356	91	17,575	96	26,203	96	30
29	31,094	92	33,569	94	37,101	88	18,851	95	32,145	94	29
28	41,474	90	34,791	91	53,389	86	24,376	94	41,009	92	28
27	40,382	86	50,798	88	50,211	81	36,947	92	50,310	89	27
26	51,290	83	63,593	85	48,890	78	57,241	89	59,531	85	26
25	72,470	79	73,184	80	52,723	74	76,385	85	69,976	80	25
24	64,428	74	80,723	74	72,756	70	88,261	79	79,605	75	24
23	67,126	69	67,926	68	89,278	64	91,969	72	86,490	69	23
22	86,932	64	70,249	63	59,324	57	122,493	65	93,363	62	22
21	95,027	57	72,421	57	71,145	53	115,031	55	99,510	55	21
20	99,687	50	73,477	52	98,122	47	128,991	47	99,215	47	20
19	85,199	42	85,838	46	74,329	40	99,459	37	95,110	39	19
18	62,731	35	91,700	39	61,121	34	102,288	29	90,759	32	18
17	56,262	31	109,781	32	71,399	29	72,055	21	82,085	25	17
16	73,867	26	140,540	24	75,092	24	46,113	16	72,742	19	16
15	65,156	21	94,600	13	55,481	18	35,982	12	60,997	13	15
14	54,917	16	50,250	6	58,969	14	34,363	9	47,470	9	14
13	34,461	11	16,222	2	45,454	9	25,285	7	33,822	5	13
12	30,277	9	6,385	1	40,088	6	22,001	5	19,397	2	12
11	24,265	6	1,884	1	17,516	3	17,566	3	7,899	1	11
10	21,077	4	597	1	9,066	1	14,141	2	2,190	1	10
9	14,069	3	208	1	3,434	1	3,886	1	636	1	9
8	14,391	2	92	1	2,022	1	2,007	1	204	1	8
7	5,948	1	31	1	1,111	1	895	1	84	1	7
6	1,785	1	50	1	572	1	329	1	35	1	6
5	699	1	0	1	301	1	116	1	3	1	5
4	183	1	22	1	106	1	79	1	2	1	4
3	56	1	2	1	48	1	57	1	0	1	3
2	15	1	1	1	52	1	10	1	0	1	2
1	10	1	7	1	18	1	29	1	0	1	1
Avg (SD)	20.7 (6.0)		21.0 (5.1)		21.5 (6.1)		21.0 (4.9)		21.2 (5.0)		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	32,200	100	8,198	100	21,339	100	39,809	100	34,812	100	11,727	100	12,848	100	18
17	61,011	98	22,937	99	65,448	98	65,182	97	54,656	97	12,473	99	8,783	99	17
16	50,475	93	54,262	98	68,947	93	85,157	92	69,813	93	29,229	98	33,537	98	16
15	50,688	89	83,609	93	73,925	88	97,374	85	75,998	88	53,276	96	67,020	96	15
14	88,844	85	92,589	87	82,968	82	95,275	78	99,096	82	86,908	92	96,955	91	14
13	87,367	78	103,985	80	81,634	76	106,538	71	123,812	74	135,543	85	122,606	83	13
12	103,131	72	142,293	72	150,164	70	115,277	62	113,368	65	123,758	75	136,679	74	12
11	118,773	64	175,904	61	142,443	58	101,891	54	111,176	56	160,243	65	152,219	63	11
10	148,906	54	155,197	47	122,236	47	117,296	46	129,604	48	211,900	53	185,079	52	10
9	118,596	43	131,370	35	127,554	38	108,403	37	103,048	38	170,781	37	181,904	37	9
8	124,114	34	132,472	25	145,659	28	91,632	28	132,248	30	120,593	23	111,063	23	8
7	96,829	24	77,093	15	80,518	17	80,852	21	152,153	19	72,968	14	79,911	15	7
6	78,766	17	50,982	9	60,015	11	96,139	15	66,332	8	46,933	9	43,769	9	6
5	68,703	11	35,533	5	33,363	6	58,608	8	20,561	3	36,870	5	26,538	5	5
4	40,322	6	23,708	3	25,624	3	29,818	3	9,258	1	8,150	2	19,747	3	4
3	22,536	2	8,303	1	12,414	1	7,777	1	3,410	1	15,776	1	13,255	2	3
2	8,228	1	1,947	1	4,575	1	3,287	1	1,006	1	147	1	4,687	1	2
1	1,110	1	217	1	1,773	1	284	1	248	1	3,324	1	3,999	1	1
Avg (SD)	10.3 (3.8)		10.7 (3.1)		10.8 (3.5)		11.0 (3.8)		11.0 (3.4)		10.5 (2.9)		10.5 (3.0)		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)	25	25	26	24	25
Q2 (50th Percentile)	21	20	21	21	21
Q1 (25th Percentile)	16	17	17	18	17

**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
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
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	%
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
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	
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

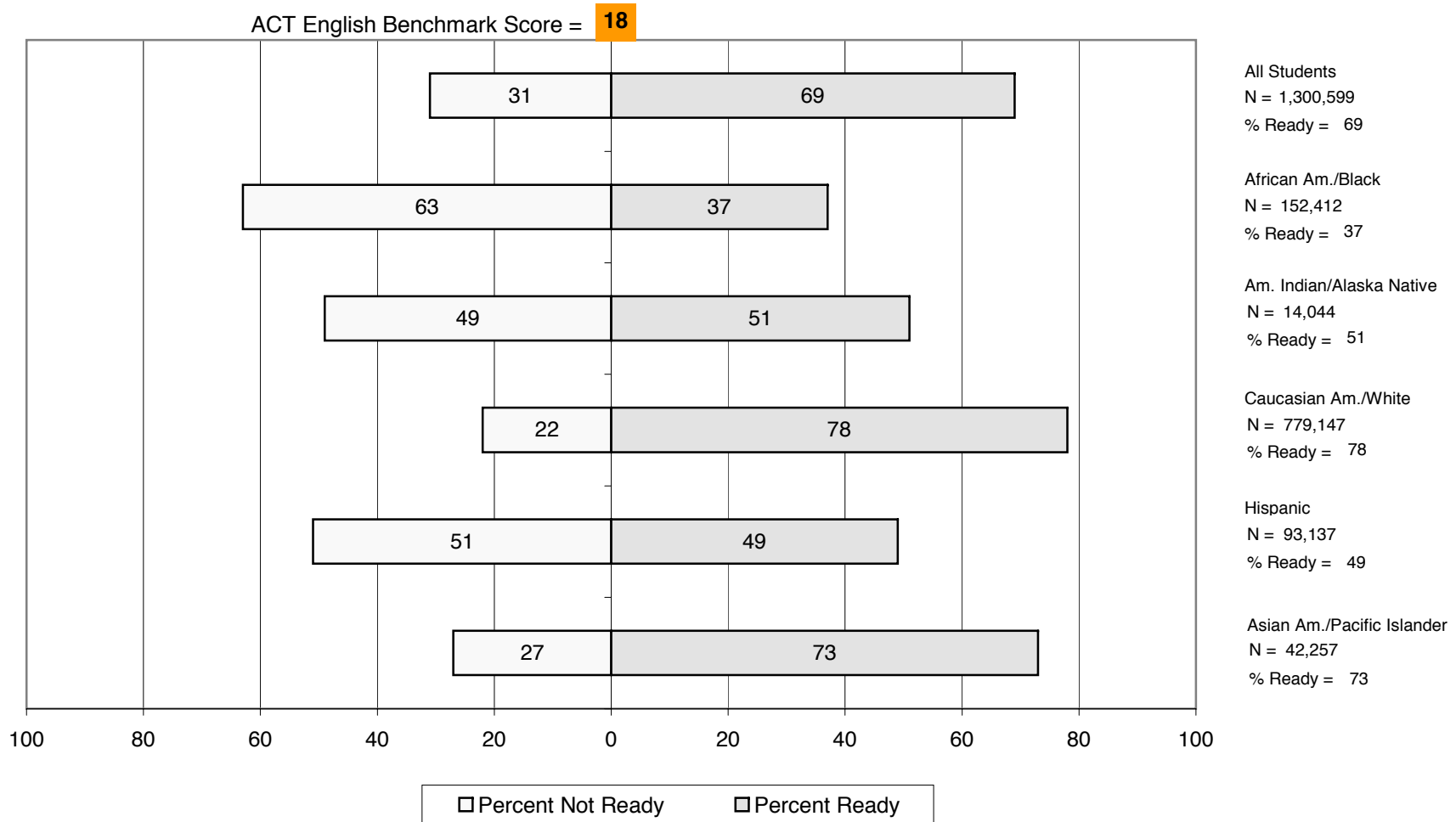


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

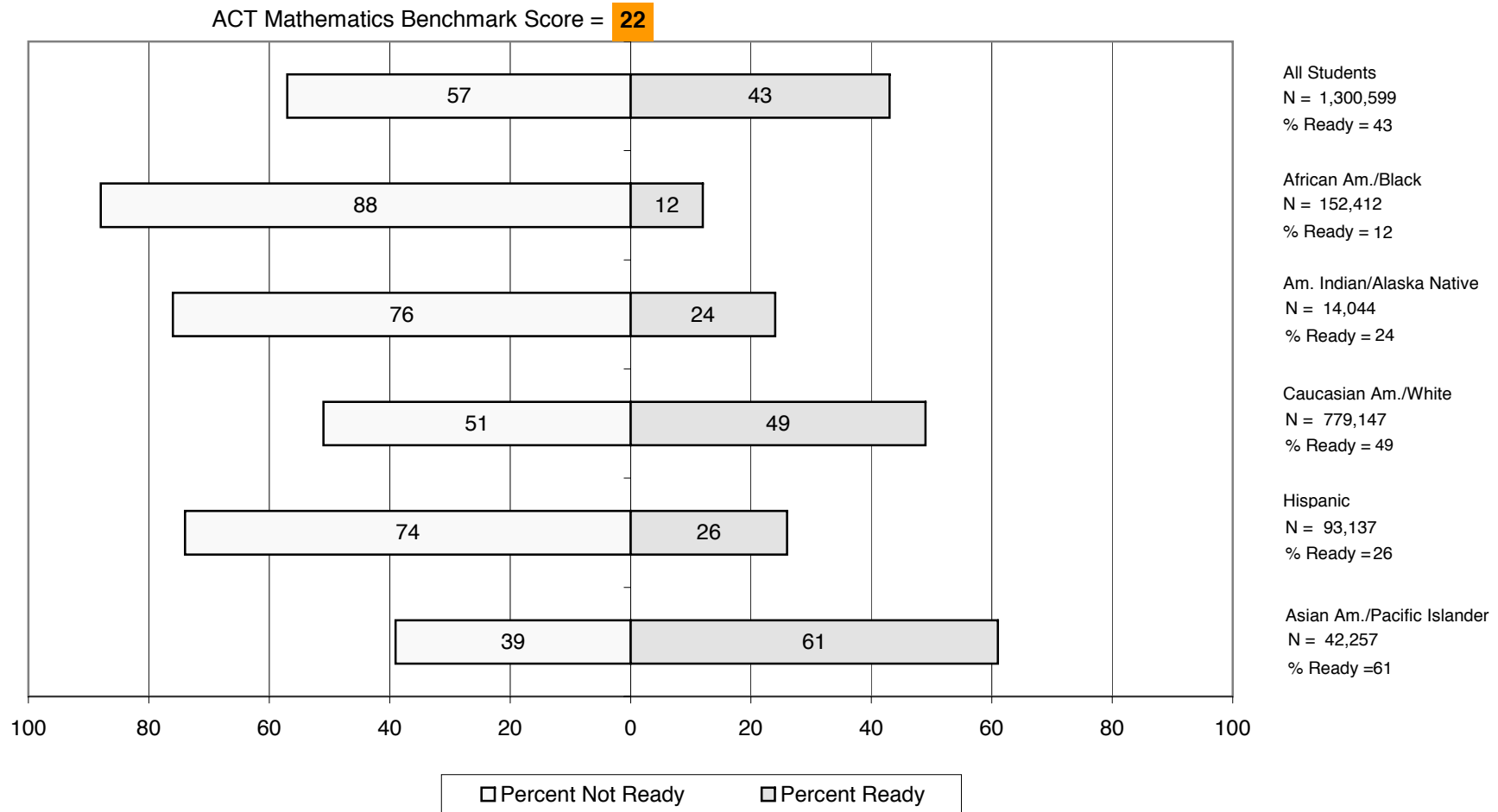


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

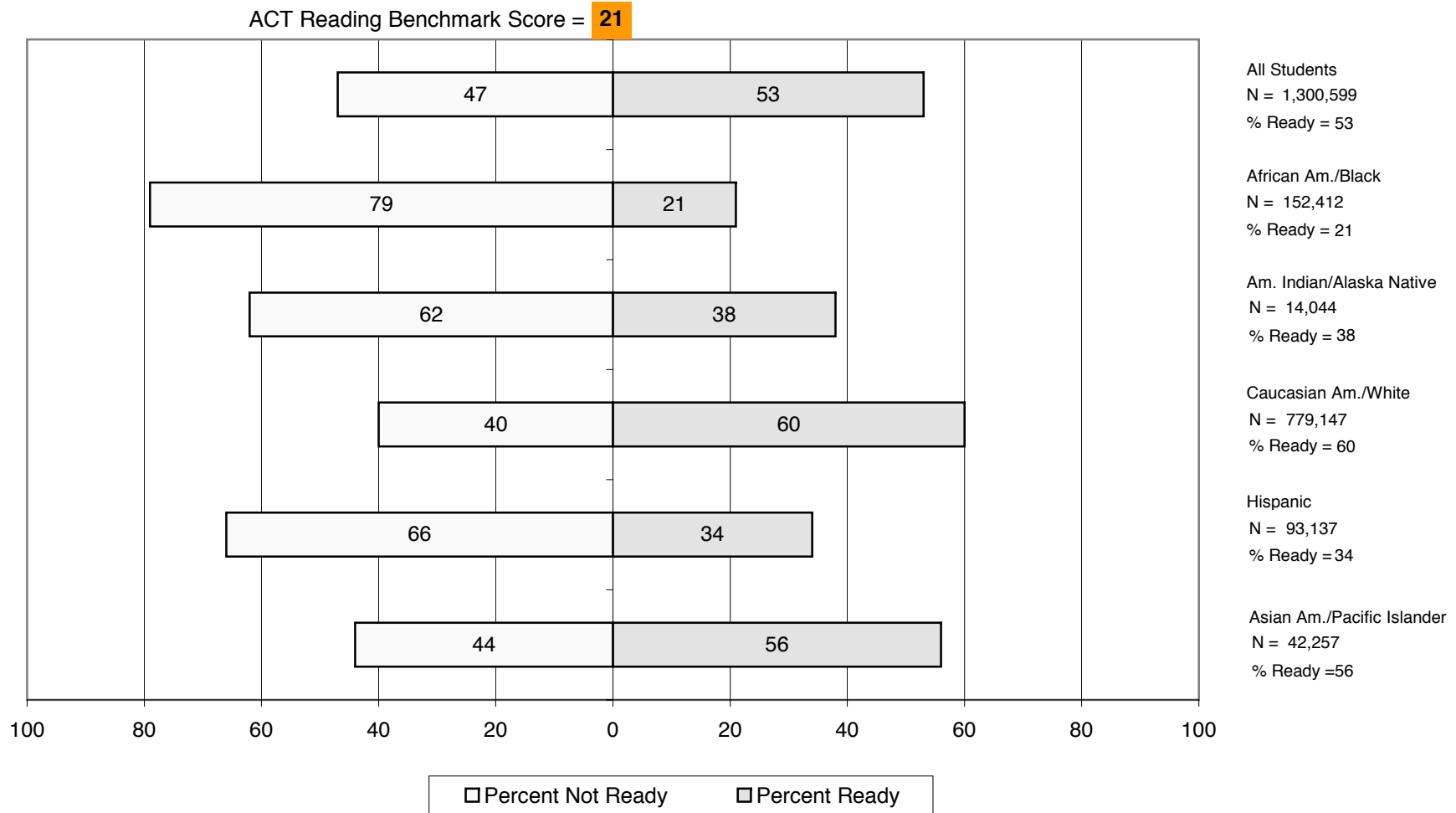


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24

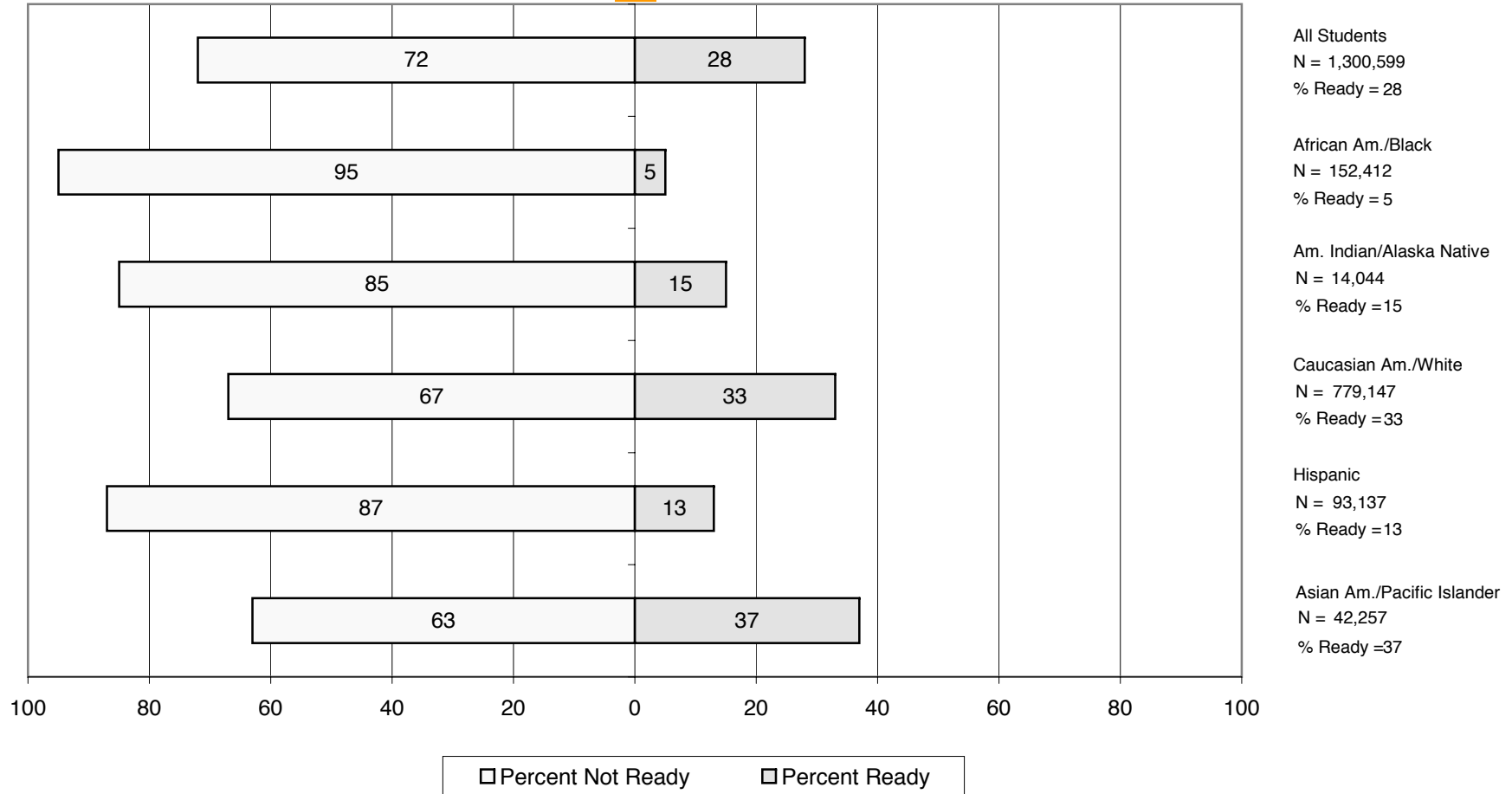
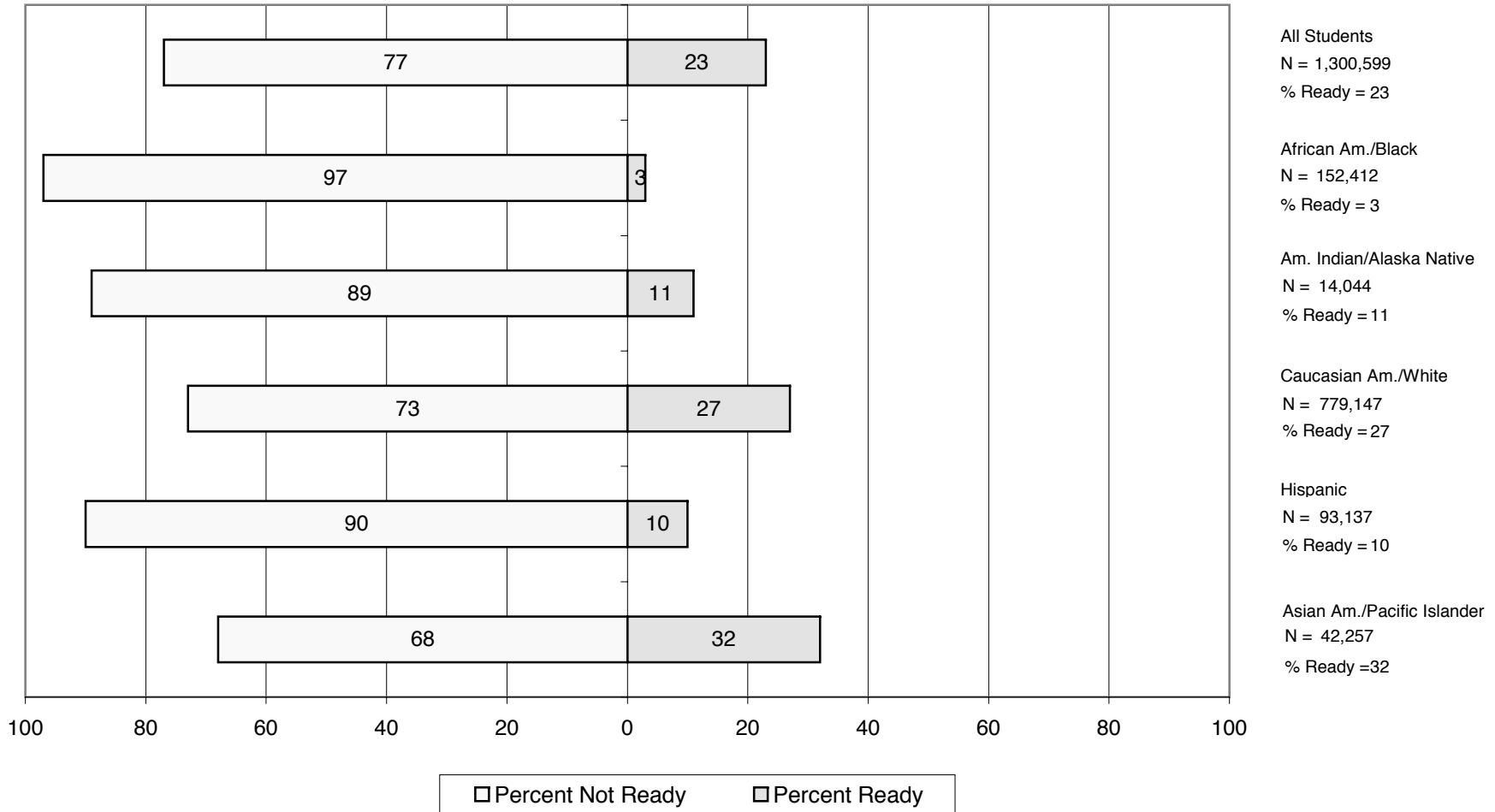


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



**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	191,202	15	22.2	2.5	70,397	13	21.8	2.5	113,805	17	22.5	2.4
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	766,001	59	20.5	0.8	325,492	60	20.1	0.8	408,990	61	20.7	0.6
Less than 4 years of English	141,777	11	19.7	-	64,173	12	19.3	-	68,589	10	20.1	-
No English course/grade information reported	201,619	16	20.7	-	84,460	16	19.9	-	83,252	12	21.0	-
<b>MATHEMATICS COURSE PATTERN</b>												
Alg 1, Alg 2, Geom, Trig, & Calc	75,970	6	24.8	6.5	33,305	6	25.6	7.1	38,910	6	24.1	6.2
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	87,647	7	22.4	4.1	31,684	6	23.1	4.6	52,260	8	21.8	3.9
Alg 1, Alg 2, Geom, & Trig	100,139	8	20.5	2.2	40,407	7	21.1	2.6	55,093	8	19.9	2.0
Alg 1, Alg 2, Geom, & Other Adv Math	163,562	13	20.4	2.1	58,834	11	21.0	2.5	97,821	14	20.0	2.1
Other comb of 4 or more years of Math	239,187	18	24.3	6.0	110,985	20	25.1	6.6	118,848	18	23.5	5.6
Alg 1, Alg 2, & Geom (Min. Core)	218,745	17	17.9	-0.4	89,445	16	18.3	-0.2	121,245	18	17.5	-0.4
Other comb of 3 or 3.5 years of Math	57,945	4	20.9	2.6	26,643	5	21.4	2.9	28,890	4	20.4	2.5
Less than 3 years of Math	145,617	11	18.3	-	64,353	12	18.5	-	73,679	11	17.9	-
No Math course/grade information reported	211,787	16	21.1	-	88,866	16	21.3	-	87,890	13	20.4	-
<b>SOCIAL SCIENCE COURSE PATTERN</b>												
US Hist, World Hist, Am Gov, & Other Hist	31,985	2	22.7	2.1	14,952	3	22.3	2.0	15,629	2	23.0	2.3
Other comb of 4 or more years Social Science	448,356	34	22.0	1.4	177,229	33	21.8	1.5	253,241	38	22.1	1.4
US Hist, World Hist, & Am Gov (Min. Core)	72,952	6	20.8	0.2	34,135	6	20.6	0.3	35,965	5	20.9	0.2
Other comb of 3 or 3.5 years of Social Science	333,689	26	21.4	0.8	138,280	25	21.2	0.9	182,259	27	21.4	0.7
Less than 3 years of Social Science	201,605	16	20.6	-	90,689	17	20.3	-	99,952	15	20.7	-
No Soc Sci course/grade information reported	212,012	16	21.5	-	89,237	16	20.9	-	87,590	13	21.5	-
<b>NATURAL SCIENCE COURSE PATTERN</b>												
Gen Sci <sup>2</sup> , Bio, Chem, & Phys	333,648	26	22.4	3.3	151,760	28	23.1	3.8	168,114	25	21.8	2.9
Bio, Chem, Phys	115,297	9	23.4	4.3	50,694	9	24.3	5.0	58,815	9	22.7	3.8
Gen Sci <sup>2</sup> , Bio, Chem (Min. Core)	353,348	27	20.2	1.1	128,675	24	20.4	1.1	211,126	31	20.0	1.1
Other comb of 3 years of Natural Science	32,593	3	20.4	1.3	17,131	3	21.1	1.8	14,125	2	19.6	0.7
Less than 3 years of Natural Science	247,312	19	19.1	-	104,522	19	19.3	-	131,777	20	18.9	-
No Nat Sci course/grade information reported	218,401	17	20.9	-	91,740	17	21.1	-	90,679	13	20.4	-

<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	National			
	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	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	766,001	59	20.5	68
Less than 4 years of English	141,777	11	19.7	64
No English course/grade information reported	201,619	16	20.7	69
<b>MATHEMATICS COURSE PATTERN</b>				
	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	163,562	13	20.4	38
Other comb of 4 or more years of Math	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	57,945	4	20.9	43
Less than 3 years of Math	145,617	11	18.3	21
No Math course/grade information reported	211,787	16	21.1	44
<b>SOCIAL SCIENCE COURSE PATTERN</b>				
	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	31,985	2	22.7	61
Other comb of 4 or more years Social Science	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	333,689	26	21.4	52
Less than 3 years of Social Science	201,605	16	20.6	47
No Soc Sci course/grade information reported	212,012	16	21.5	53
<b>NATURAL SCIENCE COURSE PATTERN</b>				
	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci <sup>1</sup> , Bio, Chem, & Phys	333,648	26	22.4	40
Bio, Chem, Phys	115,297	9	23.4	48
Gen Sci <sup>1</sup> , Bio, Chem (Min. Core)	353,348	27	20.2	20
Other comb of 3 years of Natural Science	32,593	3	20.4	24
Less than 3 years of Natural Science	247,312	19	19.1	15
No Nat Sci course/grade information reported	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	14,578	1	19.1	2,351	4	16.9	11,346	1	19.7
Architecture & Environmental Design	20,740	2	20.9	1,261	2	17.0	18,457	2	21.3
Business & Management	89,813	7	20.5	4,610	7	16.8	81,141	9	20.8
Business & Office	5,131	0	19.2	809	1	17.1	4,015	0	19.7
Marketing & Distribution	7,827	1	20.3	390	1	16.8	7,039	1	20.6
Communications & Comm. Technologies	27,088	2	21.4	1,115	2	17.2	24,721	3	21.7
Community & Personal Services	28,512	2	18.2	4,440	7	16.5	22,110	2	18.7
Computer & Information Sciences	21,744	2	21.5	1,846	3	17.8	18,821	2	22.0
Cross-Disciplinary Studies	1,180	0	23.6	33	0	17.5	1,109	0	23.9
Education	39,619	3	20.7	1,096	2	16.5	36,646	4	20.9
Teacher Education	27,044	2	20.1	747	1	16.1	24,892	3	20.3
Engineering	43,198	3	22.7	2,465	4	16.2	38,853	4	23.3
Engineering-Related Technologies	24,290	2	22.0	1,841	3	17.0	21,483	2	22.6
Foreign Languages	4,957	0	23.6	170	0	17.2	4,530	0	23.9
Health Sciences & Allied Health Fields	187,213	14	20.5	12,464	19	17.0	166,982	18	20.8
Human, Family & Consumer Science	11,041	1	18.6	1,713	3	16.7	8,517	1	19.1
Letters	6,260	0	24.5	162	0	19.2	5,822	1	24.8
Mathematics	5,011	0	24.7	96	0	18.0	4,719	1	25.0
Philosophy, Religion & Theology	5,424	0	22.5	162	0	18.8	4,935	1	22.8
Sciences (Biological & Physical)	47,670	4	23.7	523	1	17.9	45,520	5	23.9
Social Sciences	65,126	5	22.0	843	1	17.1	61,875	7	22.2
Trade & Industrial	11,394	1	18.2	5,727	9	17.5	4,945	1	19.2
Visual & Performing Arts	58,007	4	21.0	4,379	7	17.2	49,655	5	21.5
Undecided	163,864	13	21.0	9,914	15	16.9	140,486	15	21.4
No Response	383,868	30	21.5	6,864	10	16.7	125,725	13	22.2

<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	14,872	16.7	2,107	14.6	368	15.2	9,277	17.5	1,512	15.3	211	16.4	1,397	16.6
2-yr College Degree	51,149	17.0	7,759	14.5	956	15.7	31,546	18.0	5,153	15.4	861	16.3	4,874	16.9
Bachelors Degree	406,329	20.3	43,819	16.3	4,651	18.5	279,501	21.1	25,123	18.0	8,959	20.0	44,276	20.4
Graduate Study	212,728	22.8	21,292	18.1	1,791	20.7	140,805	23.7	13,443	20.3	7,582	23.2	27,815	23.1
Prof. Level Degree	315,287	22.3	46,671	18.2	3,690	20.4	176,744	23.6	28,459	19.8	15,991	24.1	43,732	22.8
Other	33,528	18.0	6,979	15.5	612	16.4	17,225	19.2	2,925	16.5	1,030	18.5	4,757	18.3
No Response	266,706	21.3	23,785	16.5	1,976	18.6	124,049	22.2	16,522	18.2	7,623	23.1	92,751	21.7

**Table 4.3. Students' Score Report Preferences at Time of Testing (this table omitted in National report)**

# 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	Writing	English/Writing Combined
		National	National	National
<b>All Students</b>	<b>532,943</b>	<b>22.3</b>	<b>7.6</b>	<b>21.8</b>
African Am./Black	50,340	17.2	6.7	17.3
Am. Indian/Alaska Native	3,462	19.8	7.0	19.4
Caucasian Am./White	308,578	23.4	7.6	22.6
Hispanic	42,588	18.8	7.3	19.0
Asian Am./Pacific Islander	25,616	23.2	8.0	22.8
Other/No Response	102,359	23.2	7.8	22.7
Males	204,427	22.0	7.3	21.3
Females	285,556	22.5	7.7	22.1
Missing	42,960	23.0	7.8	22.6



