

ACT Profile Report - State

Graduating Class 2010
Arizona



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This report provides information about the performance of your 2010 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 2010 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, test data for a school, district, and the state 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, or the state.

Furthermore, 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. *Connecting College Readiness Standards to the Classroom* interpretive guides can be found at www.act.org/standard/infoserv.html.

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

19% of your students 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: 23,303 of your students 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. 63% 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 7% of the cohort took less than three years of math courses. Of these students, 5% were college ready. 16% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 10% of these students were college ready. In comparison, 50% of the students who took 3 or more years of math beyond Algebra I, Algebra II, and Geometry 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 23% of the cohort took less than three years of natural science courses. 11% of these students were college ready. In comparison, 27% 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 51% 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.

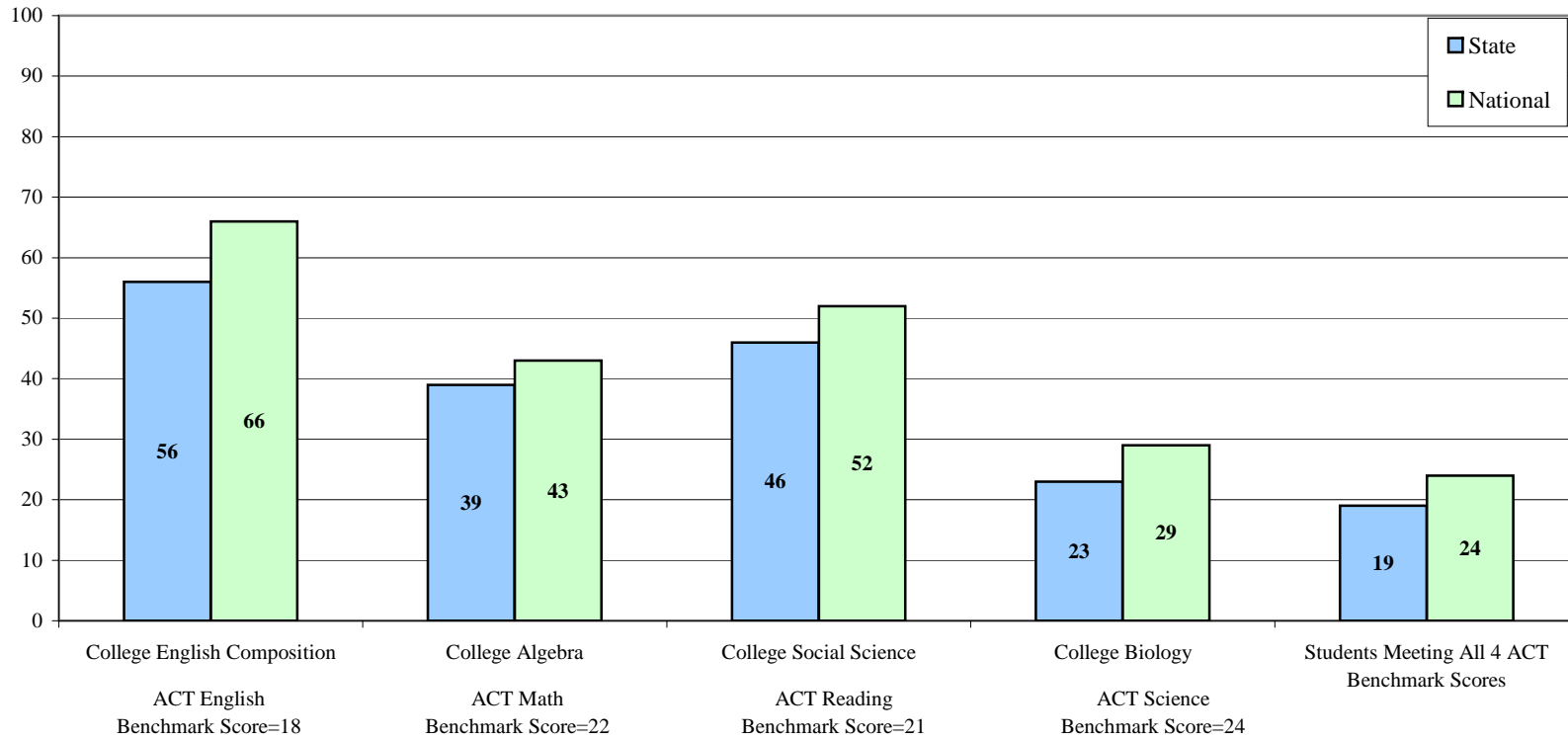
For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 916-631-9200.

Section I

Executive Summary

Total Students in Report: 23,303

Figure 1.1. Percent of Your 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.

Total Students in Report: 23,303

Table 1.1. Five Year Trends—Percent of Students Meeting College Readiness Benchmarks

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
2006	10,740	1,206,455	72	69	51	42	57	53	29	27	24	21
2007	11,084	1,300,599	73	69	52	43	58	53	29	28	25	23
2008	11,602	1,421,941	74	68	52	43	60	53	30	28	25	22
2009	12,550	1,480,469	73	67	52	42	60	53	30	28	26	23
2010	23,303	1,568,835	56	66	39	43	46	52	23	29	19	24

Table 1.2. Five Year Trends—Average ACT Scores

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
2006	10,740	1,206,455	20.9	20.6	21.9	20.8	22.0	21.4	21.3	20.9	21.6	21.1
2007	11,084	1,300,599	21.1	20.7	21.9	21.0	22.2	21.5	21.4	21.0	21.8	21.2
2008	11,602	1,421,941	21.3	20.6	22.1	21.0	22.3	21.4	21.3	20.8	21.9	21.1
2009	12,550	1,480,469	21.3	20.6	22.1	21.0	22.4	21.4	21.3	20.9	21.9	21.1
2010	23,303	1,568,835	18.9	20.5	20.4	21.0	20.2	21.3	19.9	20.9	20.0	21.0

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2009	1,480,469	20.6	21.0	21.4	20.9	21.1
2010	1,568,835	20.5	21.0	21.3	20.9	21.0

Total Students in Report: 23,303

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

Year	Number of Students Tested		Percent ²		Average ACT Scores									
	Core or More ¹	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
2006	6,169	3,301	57	31	21.4	19.9	22.5	21.0	22.5	21.2	21.8	20.6	22.2	20.8
2007	6,094	3,475	55	31	21.6	20.0	22.4	20.9	22.6	21.3	21.8	20.6	22.2	20.9
2008	7,900	2,880	68	25	21.8	20.0	22.6	20.9	22.7	21.3	21.7	20.2	22.3	20.7
2009	9,883	2,542	79	20	21.8	19.6	22.6	20.5	22.8	20.9	21.8	19.9	22.4	20.4
2010	14,617	7,327	63	31	20.5	16.2	21.7	18.3	21.6	18.0	21.1	17.8	21.3	17.7

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

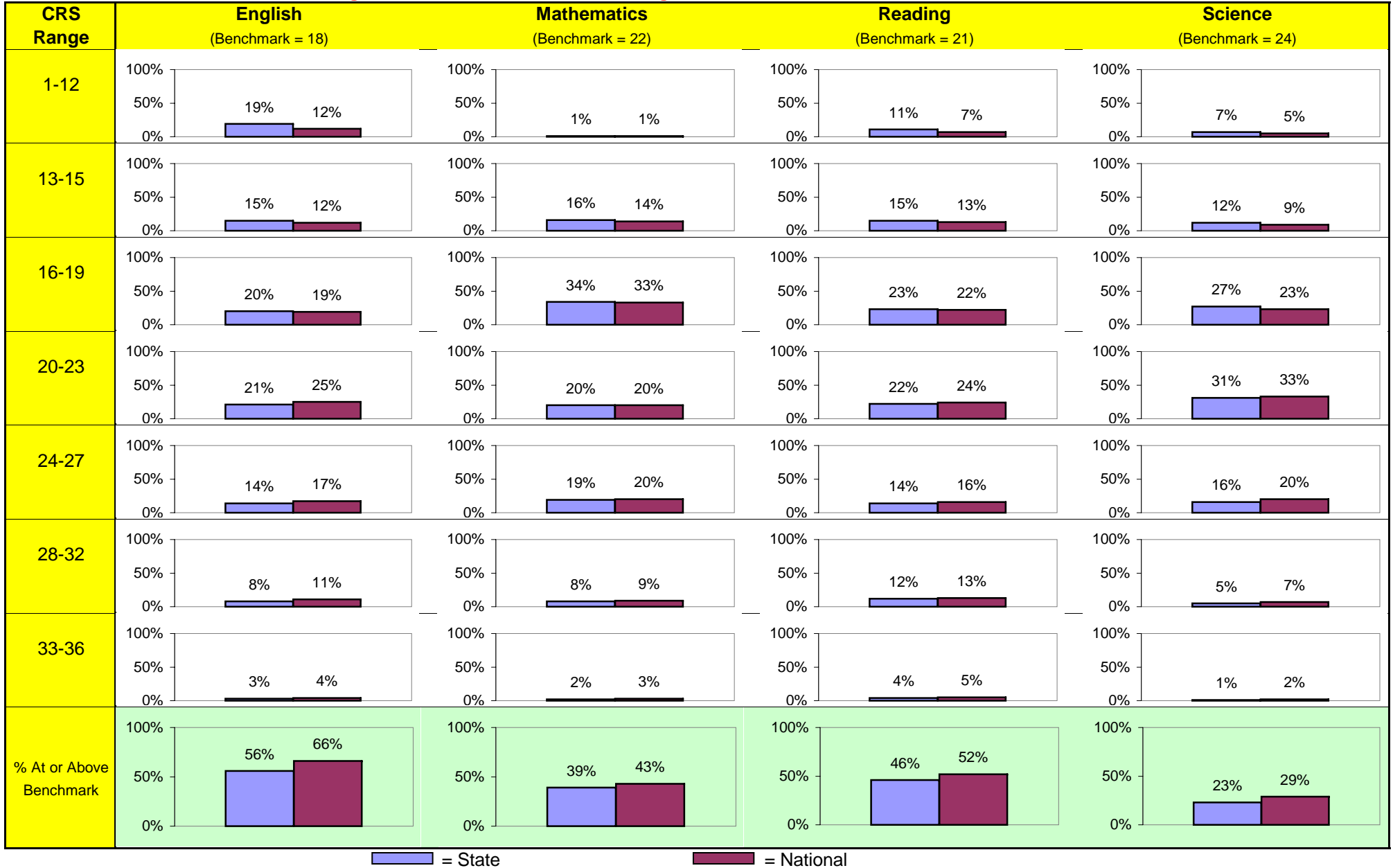
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity

	2006			2007			2008			2009			2010		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	10,740	100	21.6	11,084	100	21.8	11,602	100	21.9	12,550	100	21.9	23,303	100	20.0
African American/Black	386	4	18.4	373	3	18.7	444	4	18.6	544	4	18.5	1,045	4	17.5
American Indian/Alaska Native	920	9	16.8	1,004	9	16.9	875	8	16.8	920	7	17.2	1,449	6	16.3
Caucasian American/White	5,727	53	22.9	5,570	50	23.0	6,478	56	23.1	7,111	57	23.3	10,568	45	22.3
Hispanic	1,644	15	19.8	1,650	15	19.8	1,826	16	20.0	2,244	18	19.8	6,653	29	17.4
Asian American/Pacific Islander	387	4	22.9	378	3	23.2	446	4	23.4	540	4	23.5	792	3	22.5
Other/No Response	1,676	16	22.1	2,109	19	22.6	1,533	13	22.5	1,191	9	22.2	2,796	12	19.2

Total Students in Report: 23,303

Table 1.6. Percent of Students in College Readiness Standards Score Ranges



Section II

Academic Achievement

Total Students in Report: 23,303

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

ACT Score	English		Mathematics		Reading		Science		Composite		ACT Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	40	100	29	100	106	100	38	100	5	100	36
35	203	100	124	100	157	100	59	100	32	100	35
34	229	99	143	99	318	99	74	100	91	100	34
33	229	98	200	99	328	98	118	99	136	99	33
32	224	97	217	98	387	96	67	99	180	99	32
31	296	96	250	97	458	94	219	98	300	98	31
30	418	95	357	96	603	92	224	98	383	97	30
29	382	93	397	94	609	90	285	97	488	95	29
28	576	91	604	93	637	87	443	95	657	93	28
27	507	89	801	90	655	85	560	93	711	90	27
26	793	87	1,088	87	749	82	796	91	876	87	26
25	896	83	1,068	82	907	79	1,231	88	1,018	83	25
24	989	79	1,427	77	898	75	1,174	82	1,135	79	24
23	908	75	1,275	71	1,054	71	1,491	77	1,235	74	23
22	1,185	71	1,117	66	1,601	66	1,670	71	1,477	69	22
21	1,462	66	1,025	61	1,138	59	1,931	64	1,475	63	21
20	1,391	60	1,207	57	1,300	54	2,121	55	1,565	56	20
19	1,347	54	1,239	51	1,519	49	1,386	46	1,459	50	19
18	967	48	1,778	46	945	42	1,963	40	1,514	43	18
17	1,180	44	2,173	38	1,253	38	1,178	32	1,582	37	17
16	1,084	39	2,829	29	1,602	33	1,754	27	1,481	30	16
15	1,382	34	2,350	17	1,021	26	1,053	19	1,454	24	15
14	1,269	28	1,141	7	1,074	22	919	15	1,459	17	14
13	847	23	308	2	1,372	17	838	11	1,214	11	13
12	617	19	96	1	1,184	11	633	7	816	6	12
11	1,267	17	52	1	511	6	488	5	371	2	11
10	827	11	5	1	558	4	297	3	131	1	10
9	647	8	0	1	156	2	158	1	45	1	9
8	610	5	2	1	21	1	71	1	10	1	8
7	333	2	0	1	99	1	29	1	2	1	7
6	112	1	0	1	56	1	24	1	1	1	6
5	57	1	0	1	13	1	6	1	0	1	5
4	21	1	1	1	1	1	1	1	0	1	4
3	6	1	0	1	9	1	4	1	0	1	3
2	2	1	0	1	4	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	18.9 (6.7)		20.4 (5.1)		20.2 (6.4)		19.9 (5.1)		20.0 (5.3)		Avg (SD)

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

Note: Shaded portions of columns identify the students who met/exceeded the ACT College Readiness Benchmark Scores.

Total Students in Report: 23,303

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subtest Score Averages

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	N	CP	N	CP	N	CP	N	CP	N	CP	N	CP	
18	642	100	174	100	443	100	521	100	768	100	161	100	147	100	18
17	643	97	165	99	708	98	1,397	98	910	97	234	99	124	99	17
16	738	94	903	99	1,047	95	1,132	92	1,063	93	588	98	495	99	16
15	1,158	91	1,179	95	1,291	91	1,590	87	1,112	88	734	96	1,068	97	15
14	982	86	1,283	90	1,200	85	1,203	80	1,282	83	1,887	93	1,500	92	14
13	1,094	82	1,340	84	1,277	80	1,165	75	1,667	78	1,912	85	1,761	86	13
12	1,293	77	2,303	78	1,890	74	1,693	70	1,754	71	2,652	76	2,359	78	12
11	1,613	72	2,256	68	2,479	66	2,047	63	2,243	63	2,809	65	2,865	68	11
10	2,489	65	2,492	59	2,175	56	2,444	54	1,713	54	3,586	53	2,829	56	10
9	1,907	54	2,309	48	2,445	46	1,608	43	2,450	46	2,996	38	3,857	44	9
8	2,107	46	2,619	38	3,207	36	1,707	36	2,837	36	2,073	25	2,514	27	8
7	1,824	37	1,918	27	1,968	22	1,532	29	2,750	24	1,559	16	1,765	16	7
6	1,825	29	949	19	1,362	14	1,461	23	1,826	12	1,020	9	383	9	6
5	1,618	21	1,545	15	941	8	2,018	16	737	4	160	5	975	7	5
4	1,828	14	1,137	8	507	4	1,236	8	136	1	551	4	123	3	4
3	884	7	557	3	93	2	332	2	24	1	311	2	402	2	3
2	539	3	162	1	211	1	214	1	28	1	1	1	48	1	2
1	119	1	12	1	59	1	3	1	3	1	69	1	88	1	1
Avg (SD)	9.2 (4.1)		9.7 (3.5)		10.2 (3.5)		10.2 (4.1)		10.5 (3.5)		10.4 (3.0)		10.2 (3.0)		Avg (SD)

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

Table 2.3. ACT Score Quartile Values

Quartile	English	Mathematics	Reading	Science	Composite
Q3 (75th Percentile)	23	24	25	23	24
Q2 (50th Percentile)	19	19	20	20	20
Q1 (25th Percentile)	14	16	15	16	16

Total Students in Report: 23,303

Table 2.4. Average ACT Composite Scores for Race/Ethnicity by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	23,303	63	21.3	17.7
	African American/Black	1,045	62	18.6	16.0
	American Indian/Alaska Native	1,449	50	17.5	15.3
	Caucasian American/White	10,568	69	23.3	20.2
	Hispanic	6,653	56	18.6	15.9
	Asian American/Pacific Islander	792	77	23.3	20.2
	Other/No Response	2,796	57	20.8	17.2
National	All Students	1,568,835	71	22.0	18.9
	African American/Black	214,836	65	17.5	15.8
	American Indian/Alaska Native	16,382	60	20.2	17.4
	Caucasian American/White	979,329	74	23.1	20.0
	Hispanic	157,579	68	19.4	17.0
	Asian American/Pacific Islander	65,362	81	23.9	21.5
	Other/No Response	135,347	65	21.8	18.7

¹"Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	18.9	20.4	20.2	19.9	20.0
	African American/Black	16.2	18.1	17.6	17.8	17.5
	American Indian/Alaska Native	14.0	17.3	16.3	17.2	16.3
	Caucasian American/White	21.9	22.4	22.8	21.8	22.3
	Hispanic	15.6	18.3	17.4	17.7	17.4
	Asian American/Pacific Islander	21.6	23.8	22.2	22.0	22.5
	Other/No Response	18.0	19.7	19.5	19.2	19.2
National	All Students	20.5	21.0	21.3	20.9	21.0
	African American/Black	15.7	17.1	16.8	17.2	16.9
	American Indian/Alaska Native	17.9	18.8	19.4	19.3	19.0
	Caucasian American/White	22.0	22.0	22.6	22.0	22.3
	Hispanic	17.3	19.0	18.7	18.7	18.6
	Asian American/Pacific Islander	22.6	24.7	22.9	23.0	23.4
	Other/No Response	20.0	20.7	20.9	20.4	20.6

Total Students in Report: 23,303

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	701	3	496	2	909	4	289	1
	28 to 32	1,896	8	1,825	8	2,694	12	1,238	5
	24 to 27	3,185	14	4,384	19	3,209	14	3,761	16
	20 to 23	4,946	21	4,624	20	5,093	22	7,213	31
	16 to 19	4,578	20	8,019	34	5,319	23	6,281	27
	13 to 15	3,498	15	3,799	16	3,467	15	2,810	12
	01 to 12	4,499	19	156	1	2,612	11	1,711	7
National	33 to 36	66,467	4	46,930	3	76,605	5	30,627	2
	28 to 32	165,254	11	142,908	9	211,021	13	111,377	7
	24 to 27	268,486	17	319,044	20	248,190	16	317,878	20
	20 to 23	386,648	25	318,678	20	383,226	24	513,801	33
	16 to 19	302,869	19	518,636	33	340,348	22	368,286	23
	13 to 15	191,597	12	213,176	14	201,824	13	148,317	9
	01 to 12	187,514	12	9,463	1	107,621	7	78,549	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	10,502	45	18.4	21.1	20.0	20.2	20.0
	Females	12,596	54	19.3	19.9	20.5	19.6	19.9
	Missing	205	1	14.9	18.0	17.1	17.4	17.0
National	Males	713,544	45	20.1	21.6	21.1	21.4	21.2
	Females	852,493	54	20.8	20.5	21.4	20.5	20.9
	Missing	2,798	0	16.2	17.9	17.7	17.9	17.5

Table 2.8. Percent of Students Meeting College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students				Meet All Four
		English	Mathematics	Reading	Science	
State	Males	53	44	44	27	22
	Females	59	35	47	19	16
National	Males	64	48	51	34	28
	Females	69	40	53	25	21

Total Students in Report: 23,303

Table 2.9. College Readiness Benchmark (CRB) Percent and Average ACT Scores by Overall High School Curriculum

Student Group	Curriculum Taken ¹	N	English		Mathematics		Reading		Science		Composite	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB % ⁴	Avg
State	Core or More ²	14,617	67	20.5	49	21.7	54	21.6	29	21.1	25	21.3
	Less than Core	7,327	39	16.2	21	18.3	31	18.0	11	17.8	9	17.7
	Missing ³	1,359	33	15.5	24	18.4	29	17.4	12	17.7	10	17.4
National	Core or More	1,118,639	74	21.6	51	21.9	58	22.2	35	21.7	29	22.0
	Less than Core	397,685	50	18.1	26	18.9	37	19.2	17	19.0	13	18.9
	Missing	52,511	33	15.5	16	17.4	24	17.1	10	17.3	7	16.9

¹ "Curriculum Taken" reflects overall high school curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English AND three or more years each of math, social studies, and natural science.

³ Zero years or no coursework information reported in one or more content areas.

⁴ Composite CRB% results reflect students who meet all four subject-area benchmarks.

Table 2.10. College Readiness Benchmark (CRB) Percent and Average ACT Scores 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 or More ²	20,503	60	19.4	20,432	43	20.9	19,478	49	20.8	16,830	27	20.7
	Less than Core	1,699	23	13.9	1,702	5	16.2	2,636	23	16.9	5,250	11	17.6
	Missing ³	1,101	37	16.1	1,169	27	18.8	1,189	31	17.8	1,223	13	18.0
National	Core or More	1,451,549	69	20.8	1,423,506	47	21.4	1,366,601	54	21.6	1,290,372	33	21.5
	Less than Core	74,180	39	16.4	97,949	7	16.4	156,679	39	19.5	231,566	12	18.3
	Missing	43,106	34	15.7	47,380	16	17.5	45,555	25	17.3	46,897	10	17.4

¹ "Curriculum Taken" reflects content-specific curriculum in this table.

² "Core or More" results correspond to students taking four or more years of English or three or more years of math, social studies, or natural science, respectively.

For instance, Reading "Core or More" results correspond to students taking three or more years of social studies, regardless of courses taken in other content areas.

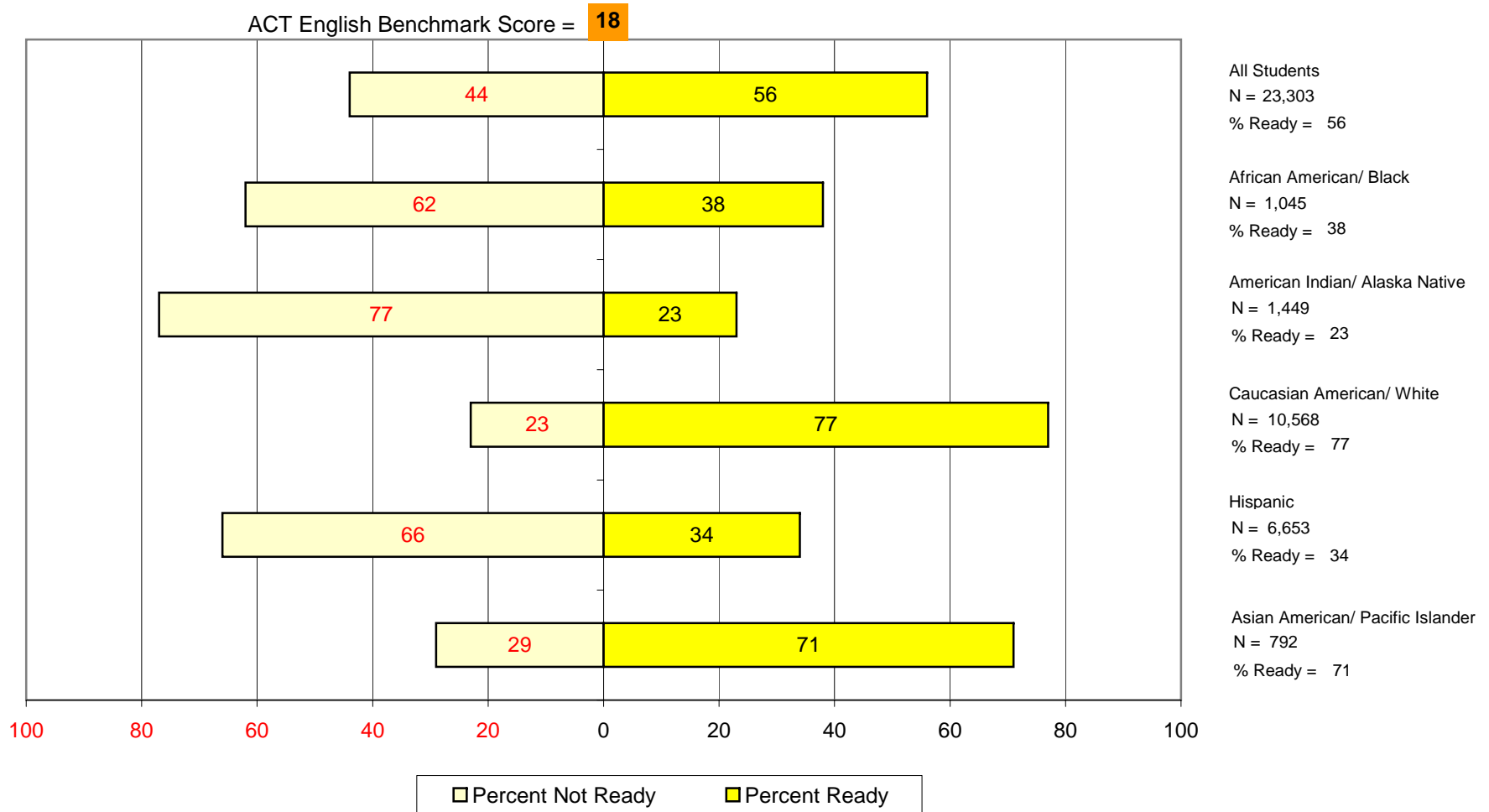
³ Zero years or no coursework information reported in the specified content area.

Section III

College Readiness and the Impact of Course Rigor

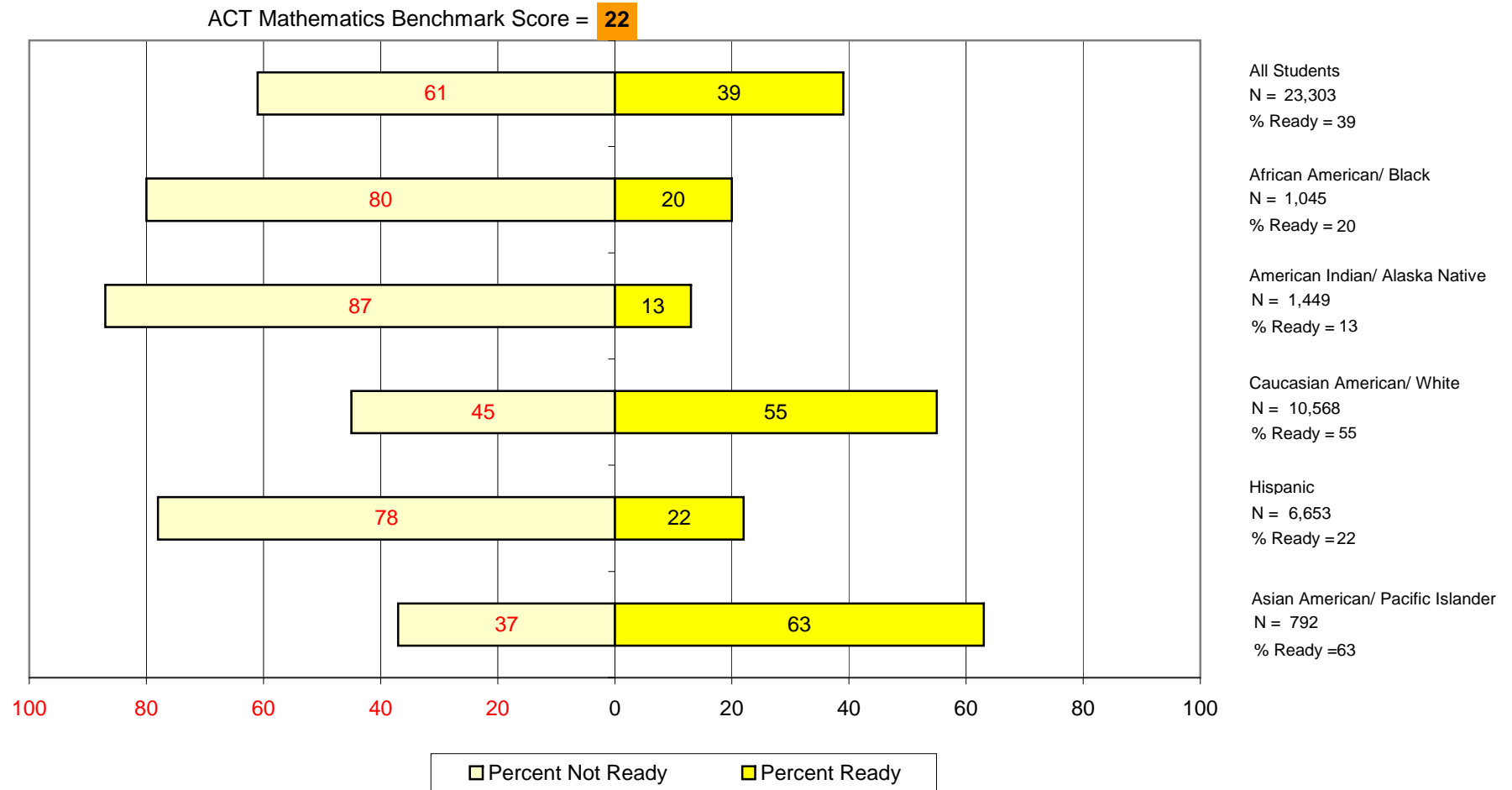
Total Students in Report: 23,303

Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ENGLISH



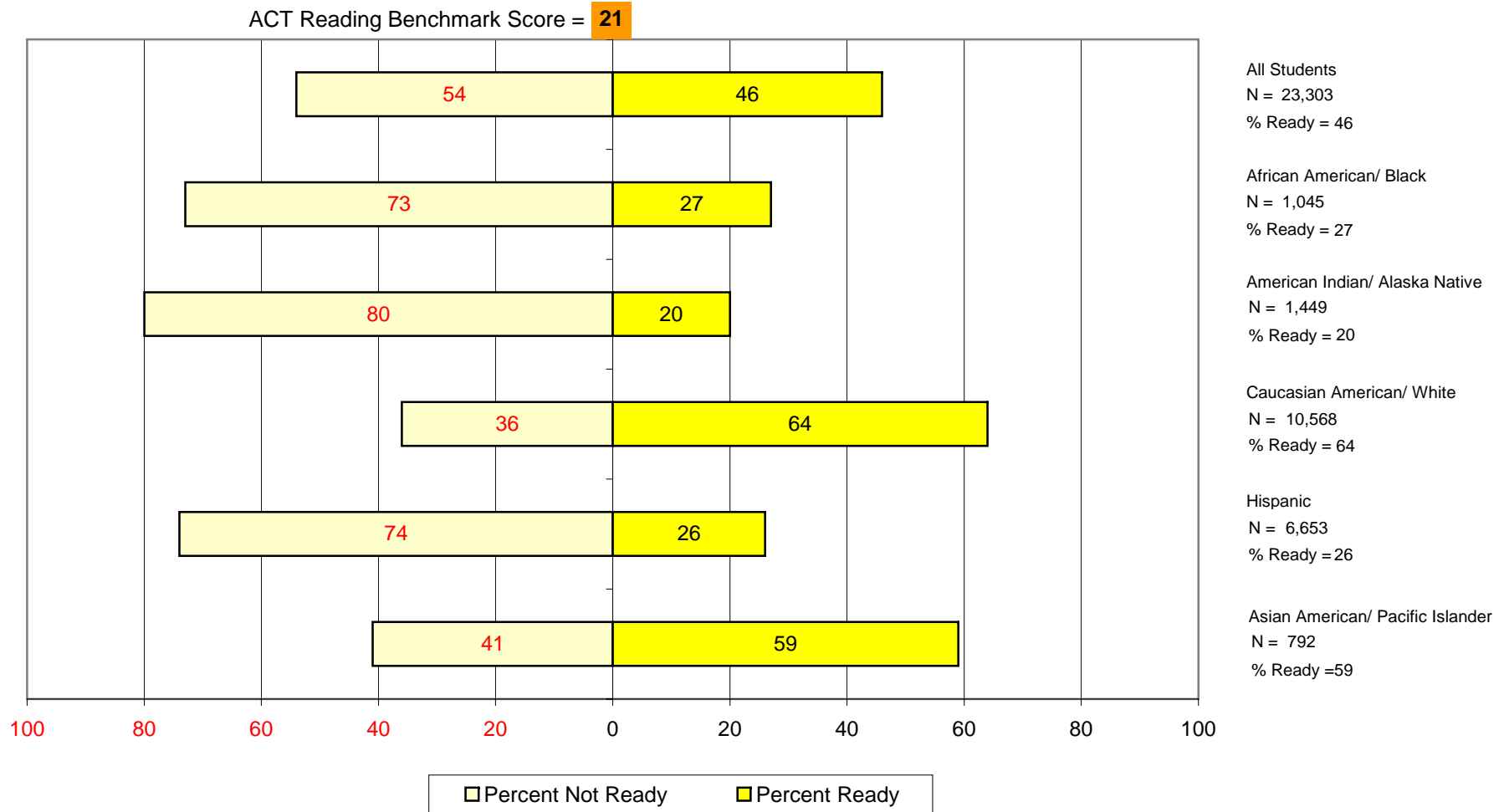
Total Students in Report: 23,303

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



Total Students in Report: 23,303

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



All Students
N = 23,303
% Ready = 46

African American/ Black
N = 1,045
% Ready = 27

American Indian/ Alaska Native
N = 1,449
% Ready = 20

Caucasian American/ White
N = 10,568
% Ready = 64

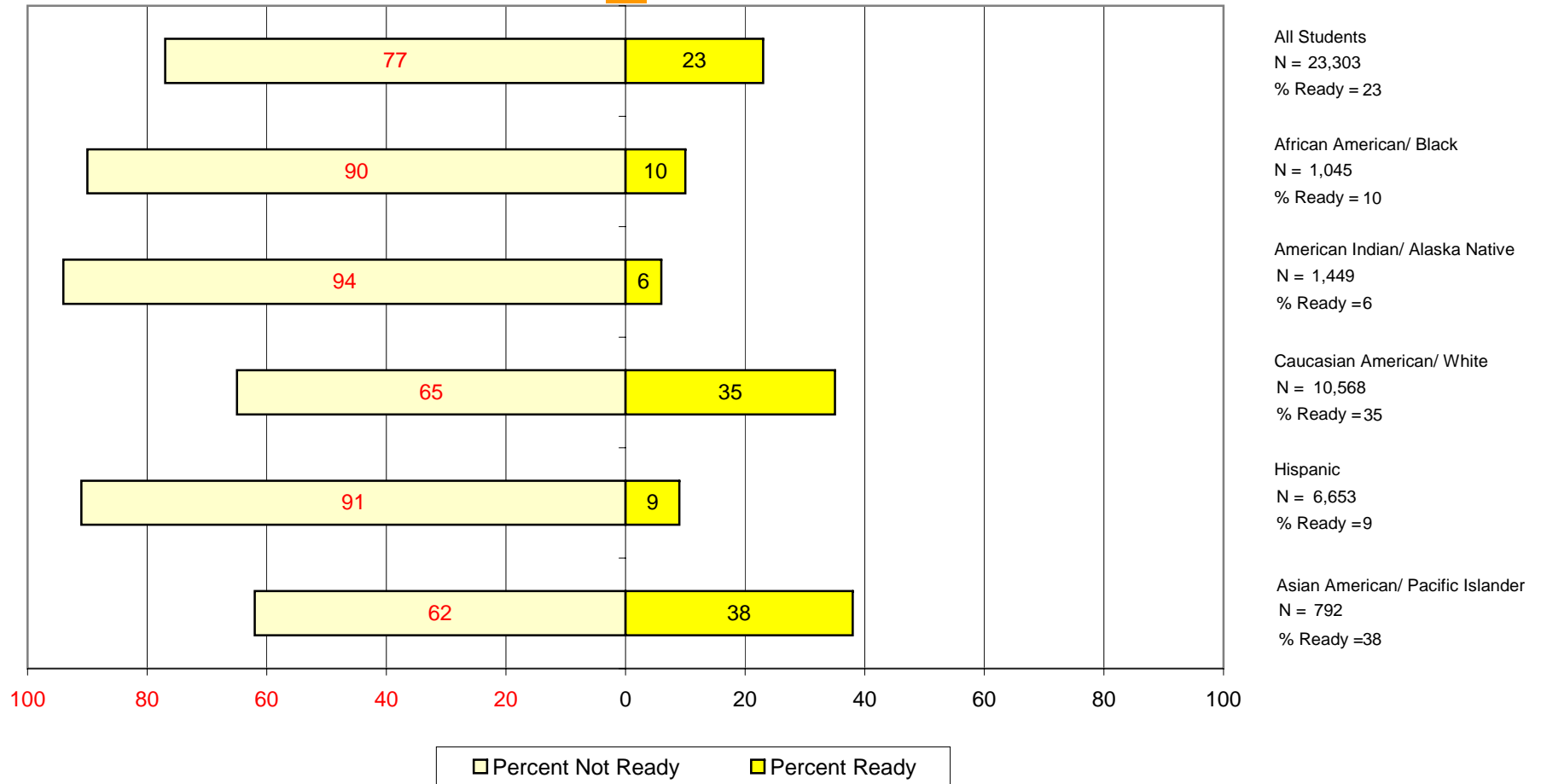
Hispanic
N = 6,653
% Ready = 26

Asian American/ Pacific Islander
N = 792
% Ready = 59

Total Students in Report: 23,303

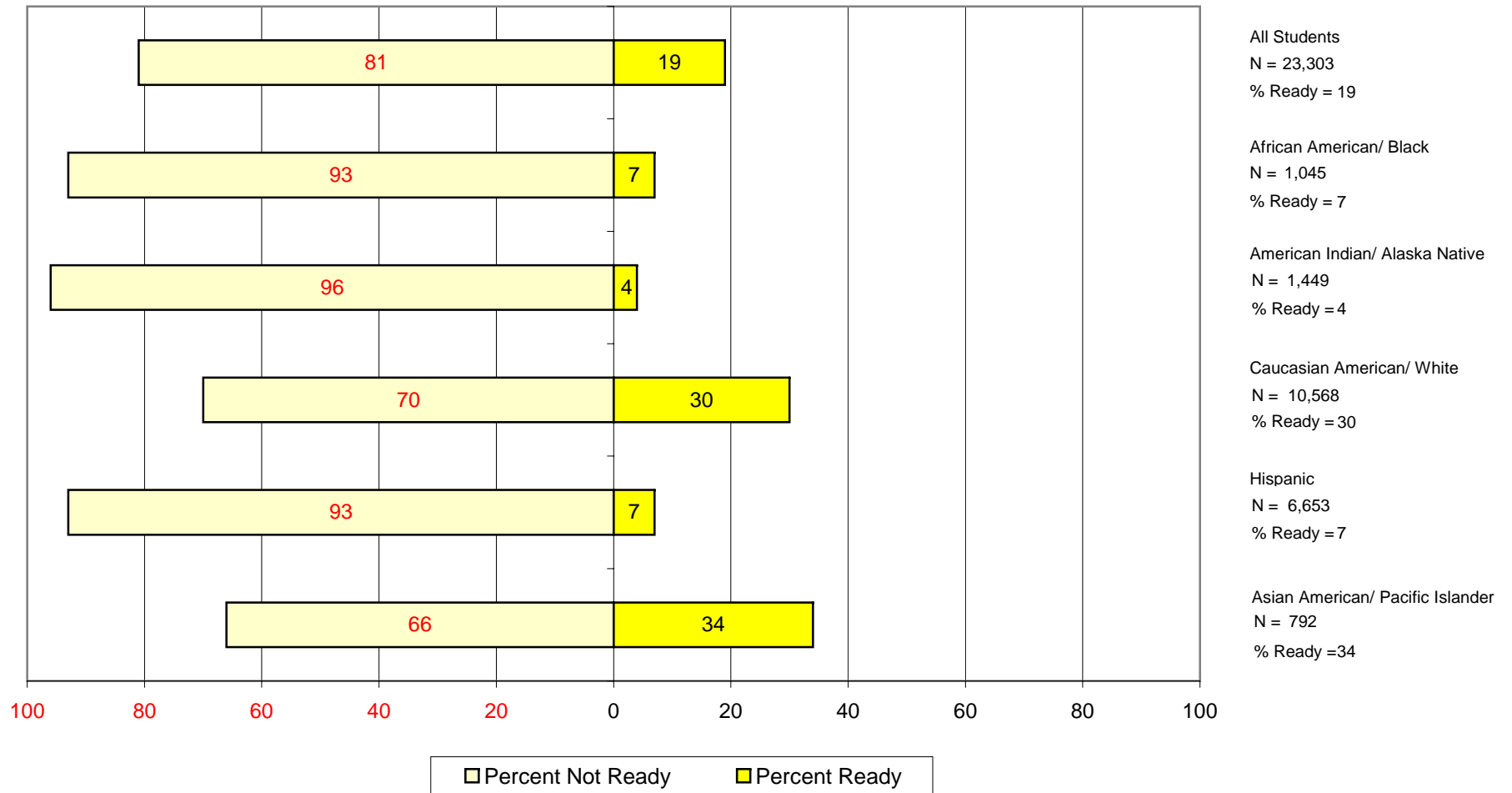
Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24



Total Students in Report: 23,303

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



Total Students in Report: 23,303

Table 3.1. Average ACT Scores and Average ACT 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	3,146	14	20.5	6.6	1,299	12	19.9	6.3	1,832	15	21.0	6.7
Eng 9, Eng 10, Eng 11, Eng 12	17,357	74	19.2	5.3	7,791	74	18.8	5.2	9,450	75	19.6	5.3
Less than 4 years of English	1,699	7	13.9	-	844	8	13.6	-	808	6	14.3	-
Zero years / no English courses reported	1,101	5	16.1	-	568	5	15.7	-	506	4	16.7	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,436	6	23.9	7.7	687	7	24.8	8.3	736	6	23.1	7.2
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,939	8	22.2	6.0	768	7	22.9	6.4	1,163	9	21.8	5.9
Alg 1, Alg 2, Geom, & Trig	2,157	9	20.5	4.3	906	9	21.2	4.7	1,229	10	20.0	4.1
Alg 1, Alg 2, Geom, & Other Adv Math	4,188	18	19.5	3.3	1,628	16	20.1	3.6	2,536	20	19.1	3.2
Other comb of 4 or more years of Math	5,971	26	23.4	7.2	2,916	28	24.2	7.7	3,037	24	22.7	6.8
Alg 1, Alg 2, & Geom	3,832	16	17.0	0.8	1,755	17	17.3	0.8	2,031	16	16.8	0.9
Other comb of 3 or 3.5 years of Math	909	4	20.0	3.8	399	4	20.4	3.9	497	4	19.8	3.9
Less than 3 years of Math	1,702	7	16.2	-	837	8	16.5	-	831	7	15.9	-
Zero years / no Math courses reported	1,169	5	18.8	-	606	6	19.3	-	536	4	18.3	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	563	2	22.0	5.1	257	2	21.8	5.3	300	2	22.2	4.9
Other comb of 4 or more years Social Science	9,540	41	21.6	4.7	4,139	39	21.5	5.0	5,352	42	21.8	4.5
US Hist, World Hist, & Am Gov	1,759	8	19.7	2.8	812	8	19.4	2.9	933	7	19.9	2.6
Other comb of 3 or 3.5 years of Social Science	7,616	33	19.9	3.0	3,337	32	19.9	3.4	4,216	33	20.0	2.7
Less than 3 years of Social Science	2,636	11	16.9	-	1,333	13	16.5	-	1,259	10	17.3	-
Zero years / no Social Science courses reported	1,189	5	17.8	-	624	6	17.7	-	536	4	18.1	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	6,195	27	21.2	3.6	2,988	28	21.9	4.4	3,175	25	20.6	2.8
Bio, Chem, Phys	2,688	12	23.6	6.0	1,297	12	24.4	6.9	1,383	11	22.8	5.0
Gen Sci ² , Bio, Chem	7,248	31	19.3	1.7	2,836	27	19.4	1.9	4,358	35	19.2	1.4
Other comb of 3 years of Natural Science	699	3	19.4	1.8	390	4	20.1	2.6	301	2	18.5	0.7
Less than 3 years of Natural Science	5,250	23	17.6	-	2,355	22	17.5	-	2,821	22	17.8	-
Zero years / no Natural Science courses reported	1,223	5	18.0	-	636	6	18.2	-	558	4	17.9	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took less than four years and three years of English and non-English content areas, respectively.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 23,303

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	3,146	14	20.5	67	355,112	23	21.9	75
Eng 9, Eng 10, Eng 11, Eng 12	17,357	74	19.2	58	1,096,437	70	20.5	66
Less than 4 years of English	1,699	7	13.9	23	74,180	5	16.4	39
Zero years / no English courses reported	1,101	5	16.1	37	43,106	3	15.7	34
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	1,436	6	23.9	68	98,076	6	24.4	72
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,939	8	22.2	58	141,740	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	2,157	9	20.5	41	112,685	7	19.9	35
Alg 1, Alg 2, Geom, & Other Adv Math	4,188	18	19.5	30	239,289	15	20.0	36
Other comb of 4 or more years of Math	5,971	26	23.4	63	498,709	32	23.9	67
Alg 1, Alg 2, & Geom	3,832	16	17.0	10	258,287	16	17.4	12
Other comb of 3 or 3.5 years of Math	909	4	20.0	35	74,720	5	19.9	35
Less than 3 years of Math	1,702	7	16.2	5	97,949	6	16.4	7
Zero years / no Math courses reported	1,169	5	18.8	27	47,380	3	17.5	16
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	563	2	22.0	57	47,523	3	22.6	60
Other comb of 4 or more years Social Science	9,540	41	21.6	55	793,514	51	21.9	57
US Hist, World Hist, & Am Gov	1,759	8	19.7	42	86,044	5	20.4	45
Other comb of 3 or 3.5 years of Social Science	7,616	33	19.9	43	439,520	28	21.2	51
Less than 3 years of Social Science	2,636	11	16.9	23	156,679	10	19.5	39
Zero years / no Social Science courses reported	1,189	5	17.8	31	45,555	3	17.3	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	6,195	27	21.2	32	620,765	40	22.2	40
Bio, Chem, Phys	2,688	12	23.6	50	152,001	10	23.2	48
Gen Sci ¹ , Bio, Chem	7,248	31	19.3	15	474,375	30	20.1	21
Other comb of 3 years of Natural Science	699	3	19.4	19	43,231	3	19.7	21
Less than 3 years of Natural Science	5,250	23	17.6	11	231,566	15	18.3	12
Zero years / no Natural Science courses reported	1,223	5	18.0	13	46,897	3	17.4	10

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Total Students in Report: 23,303

Table 4.1. Distribution of Planned Educational Majors for All Students 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	224	1	17.7	34	2	15.3	168	1	18.5
Architecture & Environmental Design	475	2	19.6	45	2	15.0	396	2	20.3
Business & Management	1,957	8	20.3	93	5	15.4	1,728	10	20.6
Business & Office	110	0	18.2	15	1	15.1	80	0	19.0
Marketing & Distribution	219	1	18.8	21	1	15.8	179	1	19.4
Communications & Comm. Technologies	534	2	20.5	37	2	15.9	456	3	21.0
Community & Personal Services	892	4	16.8	197	10	14.8	626	4	17.6
Computer & Information Sciences	393	2	20.5	32	2	16.5	328	2	21.0
Cross-Disciplinary Studies	40	0	23.7	0	0	.	39	0	23.7
Education	614	3	20.1	29	2	15.2	541	3	20.6
Teacher Education	451	2	19.3	28	1	15.5	396	2	19.6
Engineering	1,223	5	21.8	99	5	14.5	1,054	6	22.7
Engineering-Related Technologies	699	3	21.4	65	3	14.9	585	3	22.3
Foreign Languages	135	1	21.4	11	1	13.5	108	1	22.7
Health Sciences & Allied Health Fields	4,759	20	20.0	301	16	15.7	4,214	24	20.4
Human, Family & Consumer Science	392	2	17.2	95	5	15.6	266	1	17.9
Letters	160	1	23.8	5	0	19.2	144	1	24.0
Mathematics	144	1	24.0	5	0	15.8	128	1	24.5
Philosophy, Religion & Theology	88	0	21.5	4	0	13.5	74	0	22.2
Sciences (Biological & Physical)	1,253	5	23.3	15	1	14.9	1,163	7	23.4
Social Sciences	1,416	6	21.5	27	1	15.2	1,316	7	21.7
Trade & Industrial	282	1	16.4	133	7	15.5	122	1	17.5
Visual & Performing Arts	1,557	7	19.5	211	11	15.4	1,226	7	20.3
Undecided	2,895	12	20.5	236	12	15.2	2,218	12	21.2
No Response	2,391	10	17.0	159	8	13.7	258	1	16.6

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" college plans, therefore they may not add up to the N count for All Students.

²Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 23,303

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 American/ Black		American Indian/ Alaska Native		Caucasian American/White		Hispanic		Asian American/ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	585	15.2	16	15.1	72	14.3	153	17.2	257	14.2	2	18.5	85	15.2
2-yr College Degree	1,312	15.2	45	14.3	116	13.4	351	17.2	588	14.4	23	15.7	189	14.9
Bachelors Degree	7,511	19.6	312	16.5	450	16.6	3,802	21.5	1,985	17.2	216	20.0	746	18.9
Graduate Study	3,791	22.0	171	18.6	172	17.7	2,063	23.9	848	19.2	118	23.4	419	21.0
Prof. Level Degree	6,511	21.7	358	19.0	354	17.6	2,841	24.0	1,837	19.0	353	24.6	768	21.1
Other	698	16.9	33	15.8	63	15.1	240	19.3	223	15.5	10	14.8	129	16.2
No Response	2,895	18.4	110	16.2	222	15.3	1,118	21.1	915	15.9	70	21.8	460	18.1

Total Students in Report: 23,303

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
ARIZONA STATE UNIVERSITY	Arizona	10,059	5,229	4,830	5	18	28	25	15	7	1
UNIVERSITY OF ARIZONA	Arizona	7,367	2,074	5,293	4	16	26	26	18	9	1
NORTHERN ARIZONA UNIVERSITY	Arizona	6,527	1,708	4,819	3	15	28	29	17	7	0
GLENDALE COMMUNITY COLLEGE	Arizona	2,125	662	1,463	13	30	32	19	5	1	0
PHOENIX COLLEGE	Arizona	1,643	485	1,158	19	42	29	9	2	0	0
MESA COMMUNITY COLLEGE	Arizona	1,459	435	1,024	7	23	32	25	10	3	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	1,377	1,377	0	11	28	31	18	9	3	0
GRAND CANYON UNIVERSITY	Arizona	1,167	220	947	9	25	34	22	8	2	0
GATEWAY COMMUNITY COLLEGE	Arizona	773	163	610	22	42	27	7	2	0	0
BRIGHAM YOUNG UNIVERSITY	Utah	728	385	343	1	4	12	28	27	23	5
NCAA ELIGIBILITY CENTER	Indiana	659	235	424	4	18	29	28	14	6	0
UNIVERSITY OF SOUTHERN CALIFORNIA	California	594	113	481	4	15	24	20	20	15	3
SOUTH MOUNTAIN COMMUNITY COLLEGE	Arizona	559	102	457	22	45	28	4	0	0	0
ART INSTITUTE OF PHOENIX THE	Arizona	554	152	402	13	31	33	17	5	1	0
SAN DIEGO STATE UNIVERSITY	California	475	67	408	1	12	27	33	20	6	1
SCOTTSDALE COMMUNITY COLLEGE	Arizona	431	58	373	11	28	33	21	6	1	0
UNIVERSITY OF CALIFORNIA-LOS ANGELES	California	415	57	358	3	15	22	23	22	14	1
CHANDLER-GILBERT COMMUNITY COLLEGE	Arizona	368	74	294	5	15	32	30	15	2	0
ESTRELLA MOUNTAIN COMMUNITY COLLEGE	Arizona	363	63	300	15	37	31	13	2	2	0
STANFORD UNIVERSITY	California	359	86	273	0	3	9	18	28	31	9
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	349	90	259	0	3	14	33	28	20	2
DEVRY UNIVERSITY-PHOENIX AZ	Arizona	340	64	276	12	30	30	19	6	2	0
EASTERN ARIZONA COLLEGE	Arizona	313	110	203	8	19	26	26	16	4	0
PIMA COMMUNITY COLLEGE	Arizona	306	62	244	6	23	36	25	9	2	0
COCONINO COMMUNITY COLLEGE	Arizona	273	74	199	10	31	37	14	6	1	0
FORT LEWIS COLLEGE	Colorado	264	109	155	8	36	37	13	5	1	0
UNIVERSITY OF SAN DIEGO	California	247	35	212	2	9	25	29	25	9	1
SCOTTSDALE CULINARY INSTITUTE	Arizona	245	80	165	16	33	32	13	5	2	0
STATE-NO COLLEGE PLANS	Iowa	239	239	0	24	42	24	8	2	0	0
PARADISE VALLEY COMMUNITY COLLEGE	Arizona	231	33	198	13	32	20	24	8	2	0
All Other Institutions		15,711	3,325	12,386	5	15	23	23	19	13	2
Total		56,520	17,966	38,554	6	19	27	23	15	8	1

Section V Optional Writing Test Results

Total Students in Report: 23,303

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	6,872	869,014	22.5	21.4	7.2	7.1	21.6	20.8
African American/Black	307	107,638	19.4	16.4	6.8	6.4	19.0	16.4
American Indian/Alaska Native	546	6,232	14.7	18.9	6.0	6.6	14.8	18.4
Caucasian American/White	3,668	518,004	24.5	23.0	7.4	7.3	23.2	22.1
Hispanic	1,335	101,126	19.7	18.1	7.0	6.9	19.4	18.1
Asian American/Pacific Islander	368	49,922	25.2	23.6	7.7	7.7	24.1	22.9
Other/No Response	648	86,092	23.2	21.0	7.3	7.1	22.2	20.4
Males	2,860	384,152	22.3	21.1	7.0	6.9	21.3	20.3
Females	4,011	484,023	22.6	21.7	7.3	7.3	21.8	21.2
Missing	1	839	20.0	16.8	7.0	6.3	20.0	16.6

