

ACT Profile Report - State

Graduating Class 2011
Arizona



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This report provides information about the performance of your 2011 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 2011 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

18% 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: 27,952 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. 58% 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 9% of the cohort took less than three years of math courses. Of these students, 6% 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, 51% 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. 9% 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 54% 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.

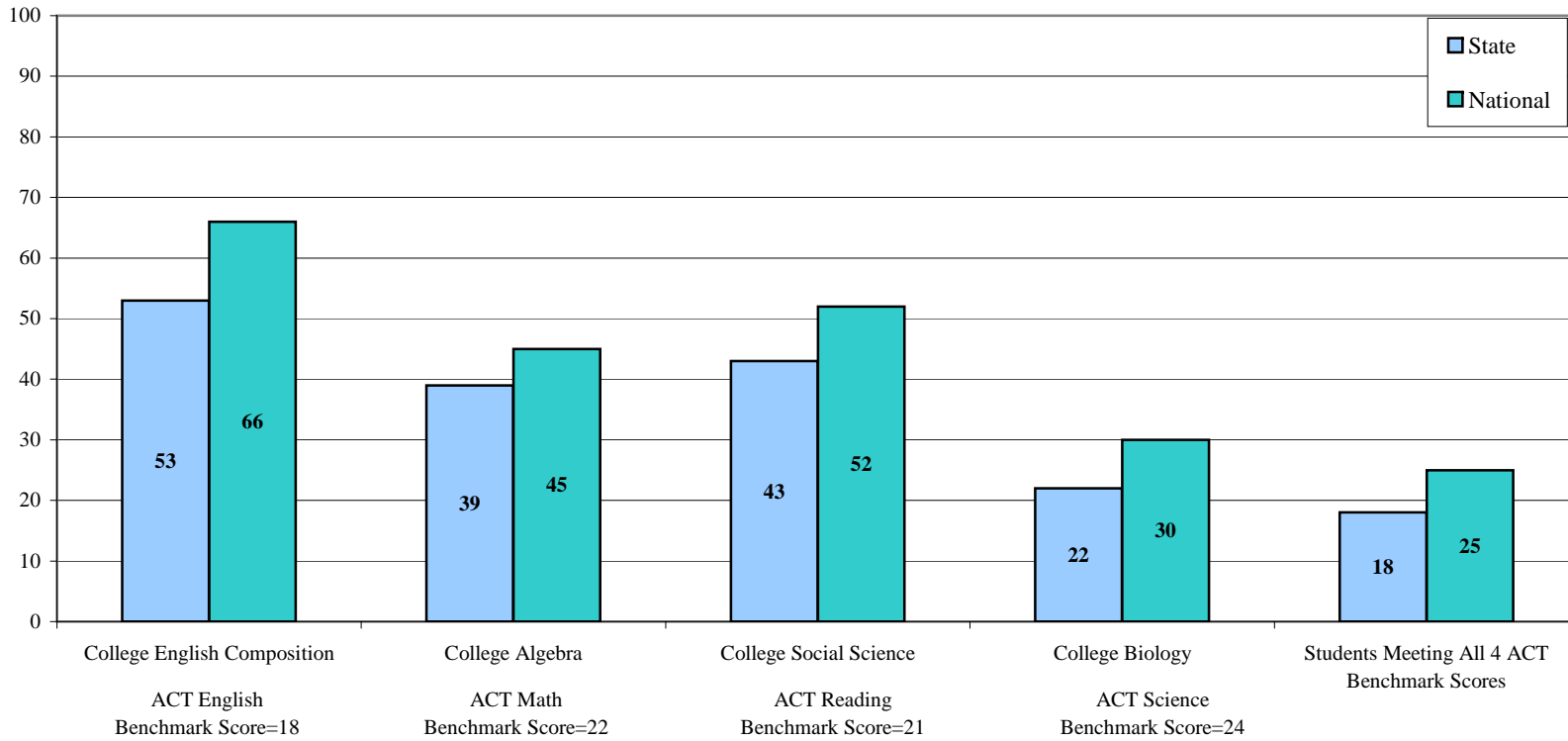
Section I

Executive Summary

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 27,952

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: 27,952

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
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
2011	27,952	1,623,112	53	66	39	45	43	52	22	30	18	25

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
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
2011	27,952	1,623,112	18.6	20.6	20.3	21.1	19.9	21.3	19.6	20.9	19.7	21.1

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2011	1,623,112	20.6	21.1	21.3	20.9	21.1

Total Students in Report: 27,952

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
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
2011	16,314	8,995	58	32	20.5	15.9	21.8	18.1	21.4	17.7	21.0	17.5	21.3	17.4

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.

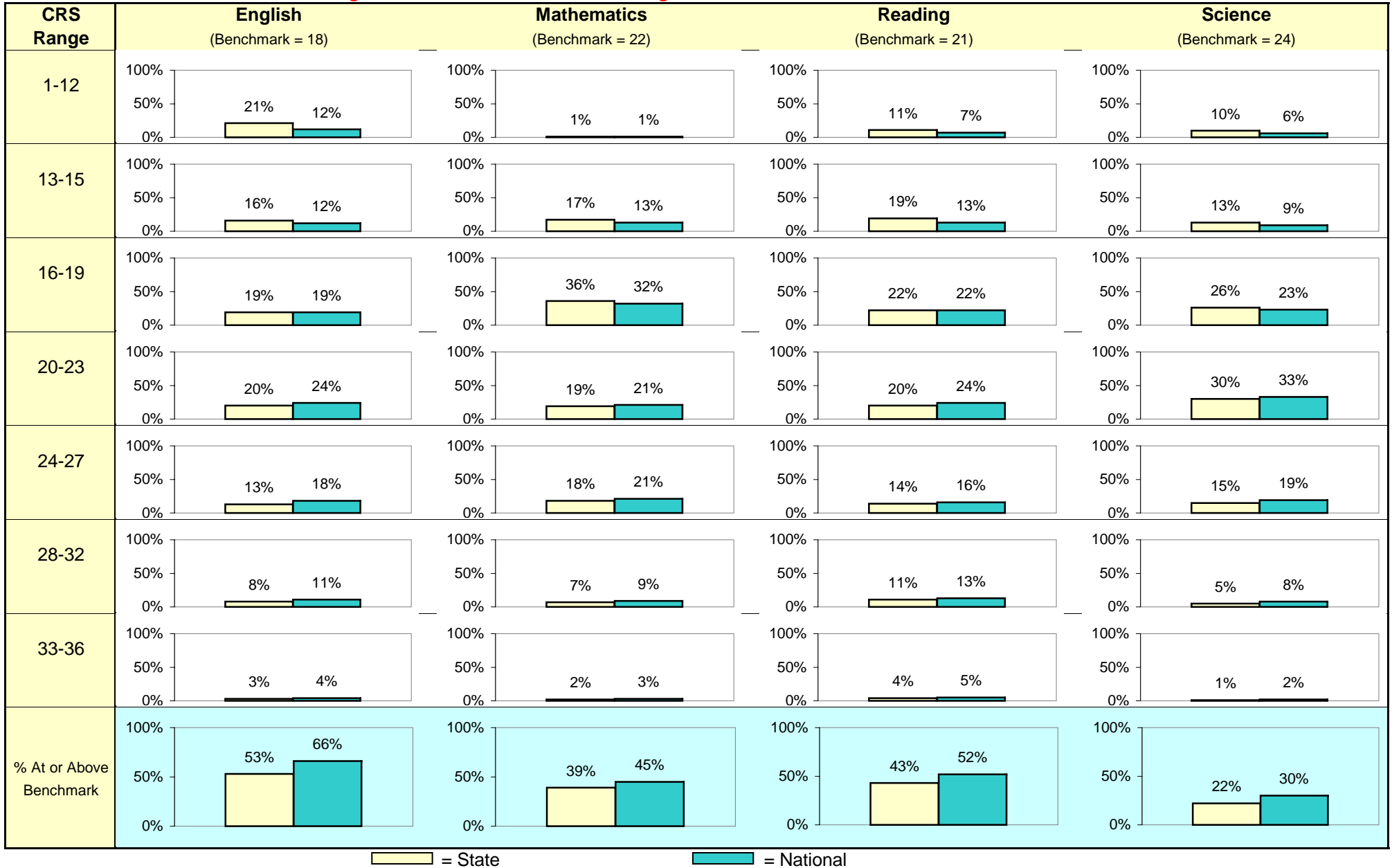
Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2007			2008			2009			2010			2011		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	11,084	100	21.8	11,602	100	21.9	12,550	100	21.9	23,303	100	20.0	27,952	100	19.7
Black/African American	373	3	18.7	444	4	18.6	544	4	18.5	1,045	4	17.5	1,209	4	17.4
American Indian/Alaska Native	1,004	9	16.9	875	8	16.8	920	7	17.2	1,449	6	16.3	1,340	5	16.3
White	5,570	50	23.0	6,478	56	23.1	7,111	57	23.3	10,568	45	22.3	11,617	42	22.3
Hispanic/Latino	1,650	15	19.8	1,826	16	20.0	2,244	18	19.8	6,653	29	17.4	9,469	34	17.2
Asian	378	3	23.2	446	4	23.4	540	4	23.5	792	3	22.5	973	3	22.7
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	21	0	19.5
Two or more races	290	3	22.1	338	3	21.7	434	3	21.8	1,012	4	20.3	1,171	4	20.1
Prefer not to respond/No response	1,819	16	22.7	1,195	10	22.8	757	6	22.4	1,784	8	18.5	2,152	8	18.5

¹Refer to the section header on page 5 for a description of race/ethnicity changes.

Total Students in Report: 27,952

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



Section II

Academic Achievement

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 27,952

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

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP	N	CP	N	CP	N	CP	N	CP	
36	45	100	50	100	134	100	44	100	5	100	36
35	224	100	138	100	122	100	74	100	36	100	35
34	225	99	228	99	304	99	55	100	101	100	34
33	272	98	211	99	420	98	173	99	145	99	33
32	299	97	265	98	555	96	114	99	240	99	32
31	351	96	291	97	544	95	155	98	322	98	31
30	379	95	373	96	636	93	283	98	453	97	30
29	585	94	503	94	572	90	343	97	587	95	29
28	563	91	637	93	633	88	639	96	713	93	28
27	714	89	967	90	907	86	610	93	797	91	27
26	790	87	1,175	87	800	83	853	91	1,004	88	26
25	938	84	1,500	83	937	80	1,251	88	1,216	84	25
24	1,311	81	1,490	77	1,199	77	1,450	84	1,272	80	24
23	1,131	76	1,639	72	1,031	72	2,009	78	1,498	75	23
22	1,344	72	1,307	66	1,748	69	1,387	71	1,636	70	22
21	1,652	67	1,216	61	1,426	62	2,461	66	1,608	64	21
20	1,546	61	1,058	57	1,356	57	2,477	57	1,803	58	20
19	1,416	56	1,518	53	1,925	52	2,489	49	1,772	52	19
18	1,104	51	2,194	48	1,502	45	1,789	40	1,851	46	18
17	1,225	47	2,443	40	1,393	40	1,463	33	1,883	39	17
16	1,683	42	3,952	31	1,383	35	1,392	28	1,971	32	16
15	1,658	36	2,768	17	1,993	30	1,397	23	1,811	25	15
14	1,690	30	1,292	7	2,200	23	1,253	18	1,733	19	14
13	1,061	24	567	3	1,026	15	1,038	14	1,631	13	13
12	1,089	21	81	1	1,509	11	893	10	1,144	7	12
11	1,065	17	66	1	1,007	6	745	7	514	3	11
10	1,358	13	14	1	308	2	764	4	144	1	10
9	773	8	0	1	189	1	187	1	44	1	9
8	778	5	4	1	102	1	80	1	12	1	8
7	415	2	1	1	48	1	44	1	5	1	7
6	189	1	1	1	3	1	23	1	0	1	6
5	58	1	0	1	20	1	1	1	1	1	5
4	11	1	3	1	13	1	10	1	0	1	4
3	9	1	0	1	1	1	5	1	0	1	3
2	1	1	0	1	5	1	0	1	0	1	2
1	0	1	0	1	1	1	1	1	0	1	1
Avg (SD)	18.6 (6.7)		20.3 (5.1)		19.9 (6.3)		19.6 (5.2)		19.7 (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: 27,952

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/ Sciences		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	602	100	258	100	508	100	566	100	950	100	216	100	314	100	18
17	887	98	79	99	752	98	1,328	98	945	97	299	99	10	99	17
16	983	95	1,234	99	1,510	95	1,366	93	1,033	93	630	98	647	99	16
15	1,089	91	1,249	94	1,047	90	1,578	88	1,422	90	869	96	1,194	97	15
14	1,234	87	1,414	90	1,160	86	1,374	83	1,769	84	1,850	93	1,876	92	14
13	1,123	83	1,835	85	1,894	82	1,837	78	2,097	78	3,377	86	1,819	86	13
12	1,498	79	2,354	78	2,388	75	1,922	71	1,783	71	2,462	74	2,814	79	12
11	2,082	73	3,021	70	2,129	67	2,432	64	3,115	64	3,376	65	2,518	69	11
10	2,867	66	2,467	59	2,300	59	2,043	56	1,896	53	4,440	53	4,369	60	10
9	2,157	56	3,478	50	2,657	51	2,346	48	1,985	46	3,359	37	3,080	44	9
8	2,633	48	2,463	38	3,903	42	2,142	40	3,388	39	2,478	25	4,656	33	8
7	2,141	39	2,276	29	2,678	28	2,035	32	4,268	27	1,861	16	615	17	7
6	2,271	31	1,868	21	1,944	18	3,337	25	1,951	12	1,332	10	1,926	14	6
5	2,067	23	1,680	14	1,464	11	1,533	13	975	5	930	5	1,209	8	5
4	2,359	15	1,306	8	931	6	1,509	8	237	1	65	2	209	3	4
3	1,423	7	690	3	465	2	400	2	103	1	294	1	493	2	3
2	467	2	228	1	163	1	195	1	30	1	17	1	74	1	2
1	69	1	52	1	59	1	9	1	5	1	97	1	129	1	1
Avg (SD)	9.1 (4.1)		9.6 (3.5)		9.9 (3.7)		10.0 (4.0)		10.4 (3.6)		10.4 (2.9)		10.0 (3.1)		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	24	23	23
Q2 (50th Percentile)	18	19	19	20	19
Q1 (25th Percentile)	14	16	15	16	15

Total Students in Report: 27,952

Table 2.4. Average ACT Composite Scores for Race/Ethnicity¹ by Level of Preparation

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ²	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	27,952	58	21.3	17.4
	Black/African American	1,209	57	18.8	15.6
	American Indian/Alaska Native	1,340	55	17.3	15.2
	White	11,617	66	23.5	20.2
	Hispanic/Latino	9,469	51	18.6	15.7
	Asian	973	72	23.5	20.8
	Native Hawaiian/Other Pac. Isl.	21	76	20.4	16.4
	Two or more races	1,171	55	21.3	18.5
	Prefer not/No Response	2,152	47	20.9	16.3
National	All Students	1,623,112	74	21.9	19.0
	Black/African American	223,383	69	17.5	15.9
	American Indian/Alaska Native	14,970	63	19.7	17.1
	White	981,585	76	23.1	20.3
	Hispanic/Latino	200,661	72	19.4	17.2
	Asian	66,650	81	24.1	21.9
	Native Hawaiian/Other Pac. Isl.	2,244	78	20.0	17.8
	Two or more races	46,378	72	21.8	19.3
	Prefer not/No Response	87,241	65	22.1	18.7

¹Refer to the section header on page 11 for a description of race/ethnicity changes.

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.

Table 2.5. Average ACT Scores by Race/Ethnicity¹

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	18.6	20.3	19.9	19.6	19.7
	Black/African American	16.0	18.0	17.6	17.6	17.4
	American Indian/Alaska Native	14.1	17.2	16.4	17.0	16.3
	White	21.9	22.5	22.7	21.8	22.3
	Hispanic/Latino	15.5	18.2	17.2	17.4	17.2
	Asian	21.7	23.9	22.4	22.3	22.7
	Native Hawaiian/Other Pac. Isl.	18.0	19.9	19.3	20.1	19.5
	Two or more races	19.2	20.2	20.7	19.7	20.1
	Prefer not/No Response	17.1	19.4	18.6	18.5	18.5
National	All Students	20.6	21.1	21.3	20.9	21.1
	Black/African American	15.9	17.2	17.0	17.1	17.0
	American Indian/Alaska Native	17.5	18.6	19.1	18.9	18.6
	White	22.1	22.1	22.7	22.1	22.4
	Hispanic/Latino	17.6	19.2	18.9	18.8	18.7
	Asian	22.8	25.1	22.9	23.1	23.6
	Native Hawaiian/Other Pac. Isl.	18.6	19.9	19.4	19.5	19.5
	Two or more races	20.7	20.7	21.6	20.9	21.1
	Prefer not/No Response	20.2	20.9	21.0	20.4	20.7

¹Refer to the section header on page 11 for a description of race/ethnicity changes.

Total Students in Report: 27,952

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	766	3	627	2	980	4	346	1
	28 to 32	2,177	8	2,069	7	2,940	11	1,534	5
	24 to 27	3,753	13	5,132	18	3,843	14	4,164	15
	20 to 23	5,673	20	5,220	19	5,561	20	8,334	30
	16 to 19	5,428	19	10,107	36	6,203	22	7,133	26
	13 to 15	4,409	16	4,627	17	5,219	19	3,688	13
	01 to 12	5,746	21	170	1	3,206	11	2,753	10
National	33 to 36	68,159	4	49,703	3	81,236	5	32,031	2
	28 to 32	174,801	11	144,331	9	211,084	13	130,969	8
	24 to 27	286,161	18	344,894	21	265,974	16	316,182	19
	20 to 23	394,076	24	332,913	21	382,505	24	530,056	33
	16 to 19	309,855	19	525,628	32	360,259	22	366,855	23
	13 to 15	201,235	12	217,338	13	214,265	13	153,754	9
	01 to 12	188,825	12	8,305	1	107,789	7	93,265	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	12,878	46	18.1	20.8	19.6	19.9	19.8
	Females	14,778	53	19.0	19.9	20.3	19.3	19.8
	Missing	296	1	14.8	17.4	17.0	16.6	16.6
National	Males	739,070	46	20.2	21.6	21.1	21.4	21.2
	Females	879,957	54	20.9	20.6	21.4	20.5	21.0
	Missing	4,085	0	16.4	17.8	17.7	17.8	17.6

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	51	43	41	25	21
	Females	56	35	45	19	16
National	Males	64	49	51	34	28
	Females	69	41	53	26	22

Total Students in Report: 27,952

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	16,314	66	20.5	51	21.8	53	21.4	29	21.0	25	21.3
	Less than Core	8,995	35	15.9	20	18.1	28	17.7	10	17.5	8	17.4
	Missing ³	2,643	37	16.0	24	18.5	29	17.9	12	17.8	9	17.7
National	Core or More	1,202,164	72	21.5	51	21.8	57	22.0	34	21.6	29	21.9
	Less than Core	366,518	51	18.3	27	19.0	38	19.3	17	19.0	13	19.0
	Missing	54,430	38	16.3	21	18.0	27	17.7	12	17.7	9	17.5

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	23,360	58	19.3	23,116	43	20.9	22,291	47	20.6	18,927	27	20.6
	Less than Core	2,301	23	13.7	2,418	6	16.1	3,252	22	16.7	6,541	9	17.4
	Missing ³	2,291	40	16.5	2,418	25	18.7	2,409	31	18.1	2,484	12	17.9
National	Core or More	1,510,179	68	20.9	1,494,425	47	21.4	1,424,252	54	21.6	1,367,777	33	21.4
	Less than Core	66,225	40	16.6	79,145	8	16.4	149,746	40	19.7	205,148	12	18.3
	Missing	46,708	39	16.5	49,542	21	18.1	49,114	28	17.9	50,187	13	17.8

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.

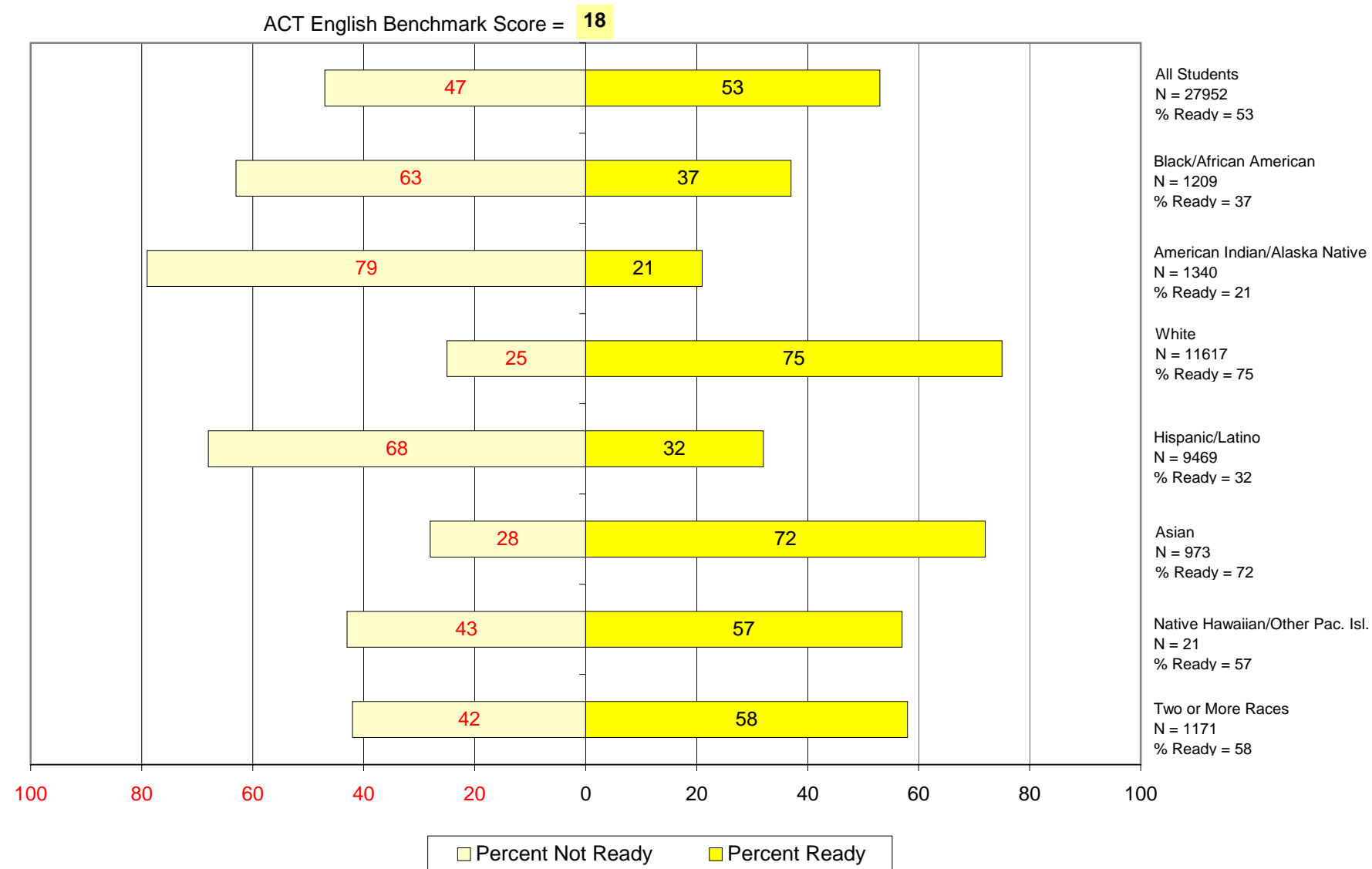
Section III

College Readiness and the Impact of Course Rigor

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 27,952

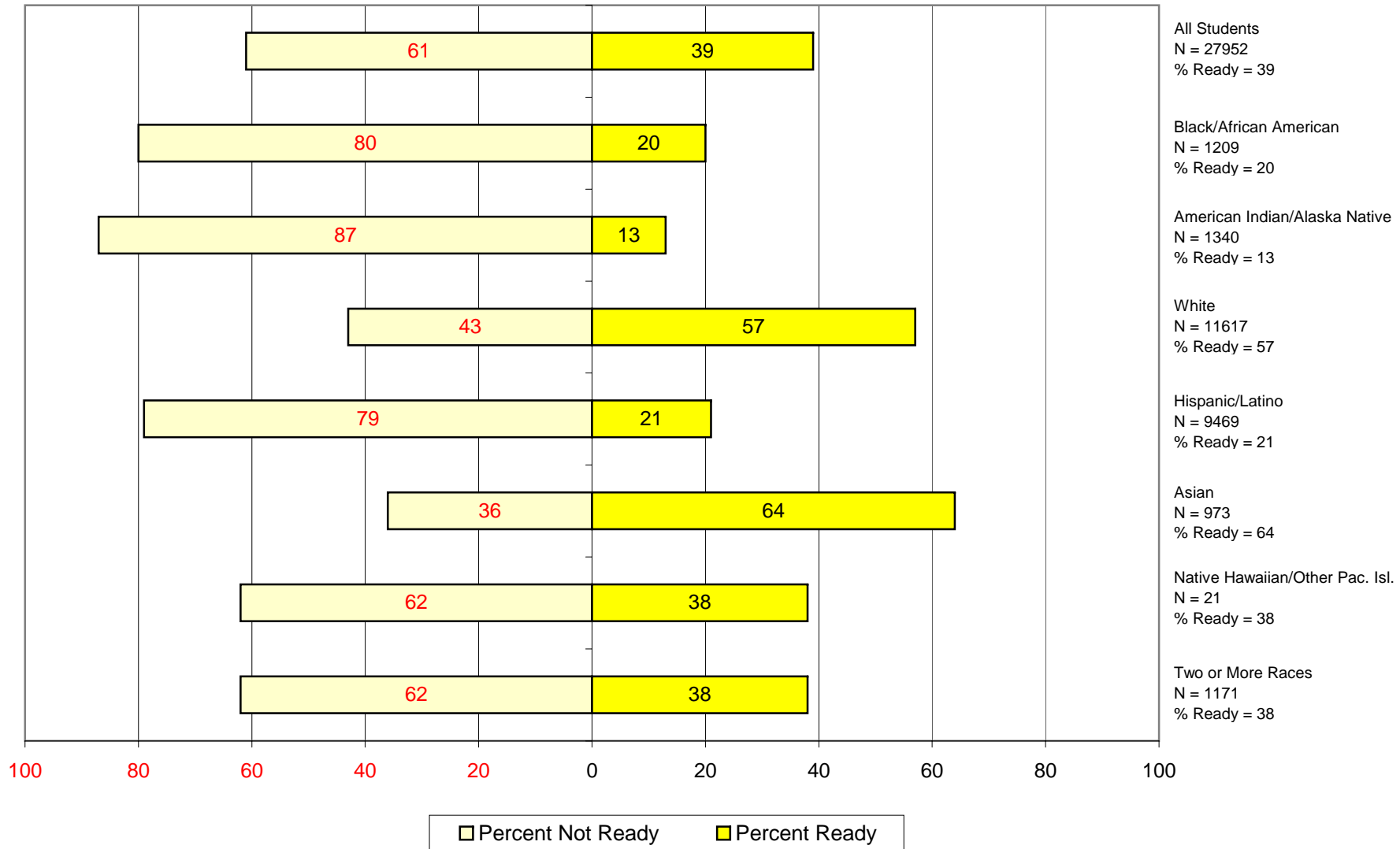
Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ENGLISH



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: MATHEMATICS

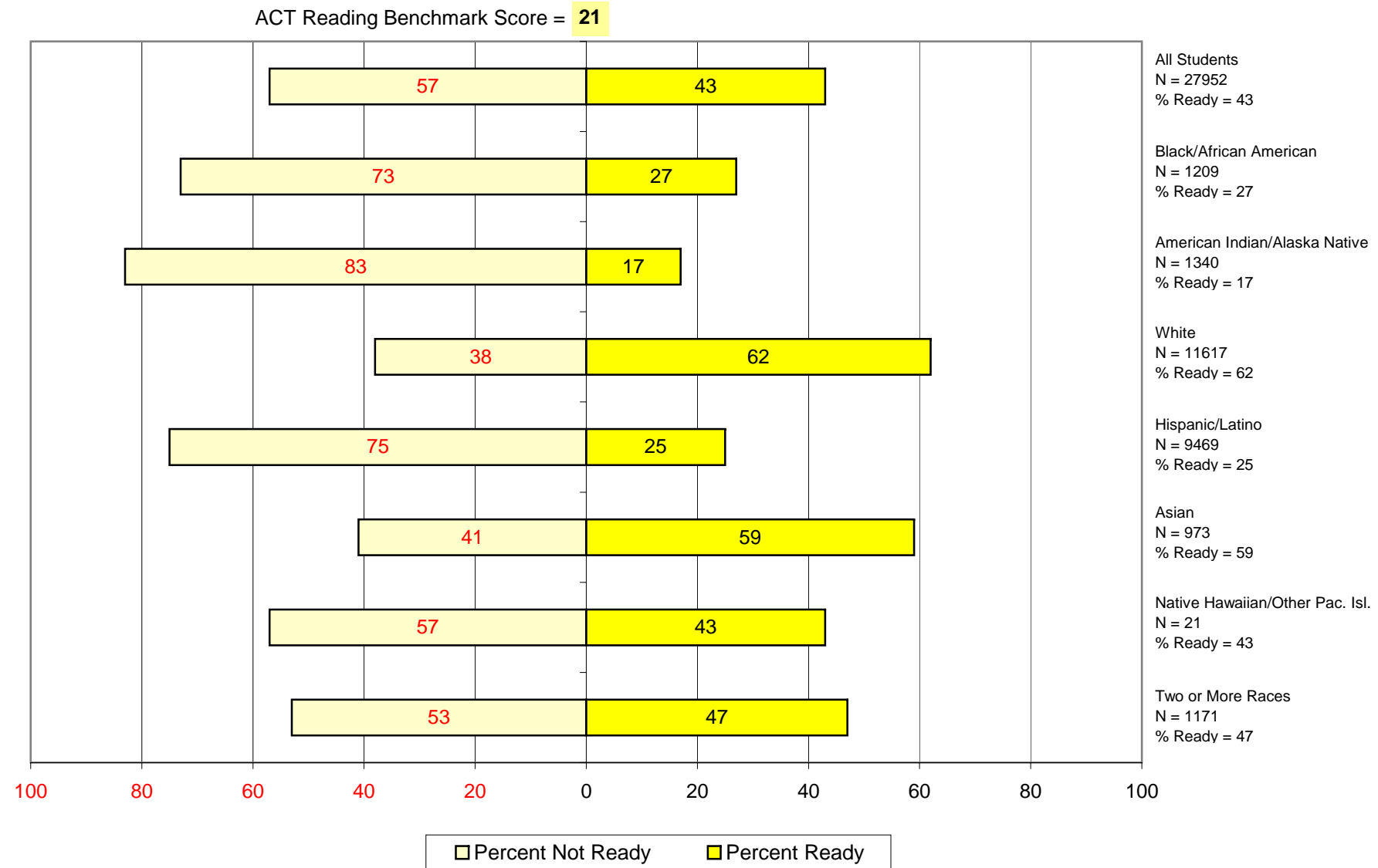
ACT Mathematics Benchmark Score = **22**



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 27,952

Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: READING

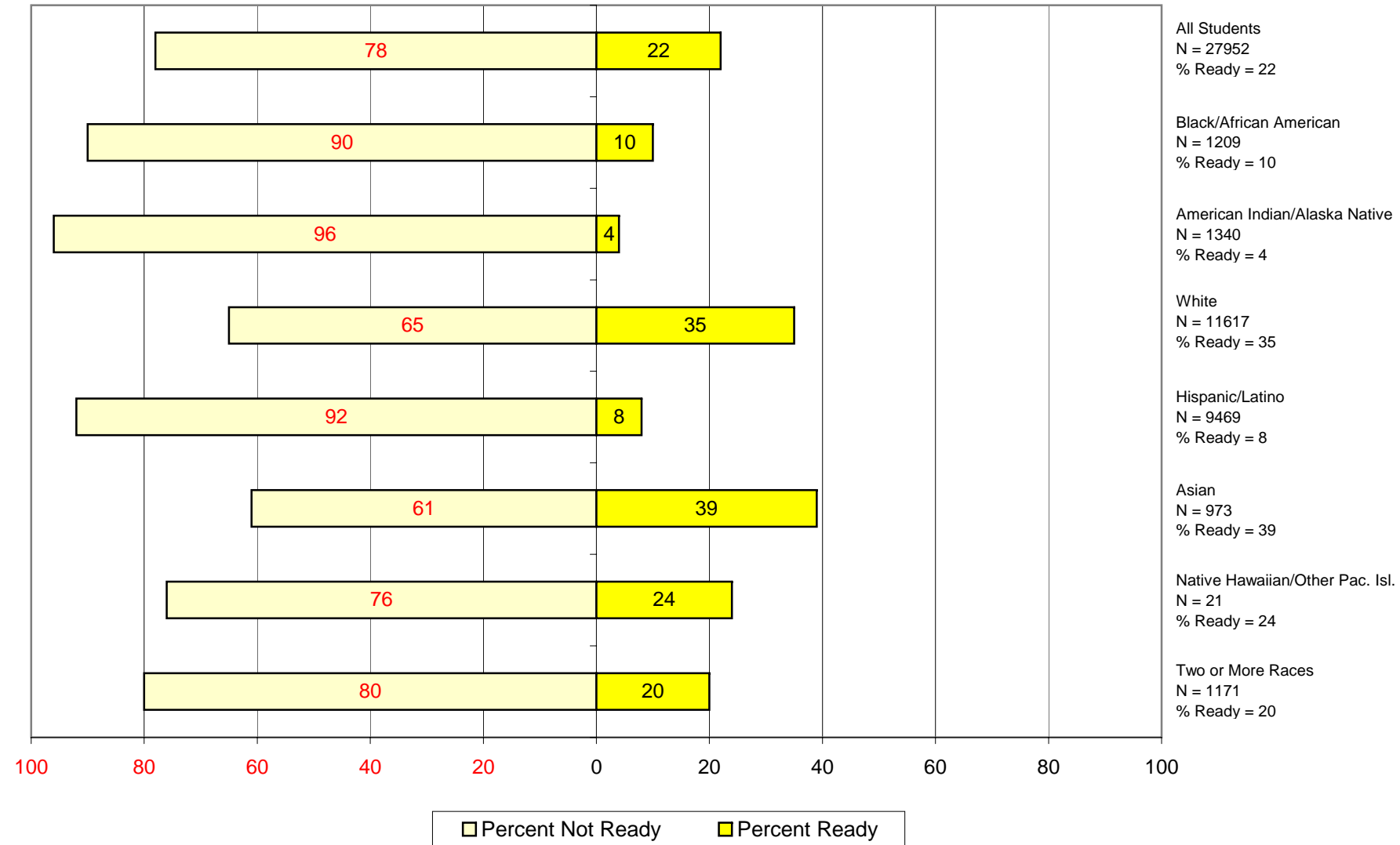


¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 27,952

Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: SCIENCE

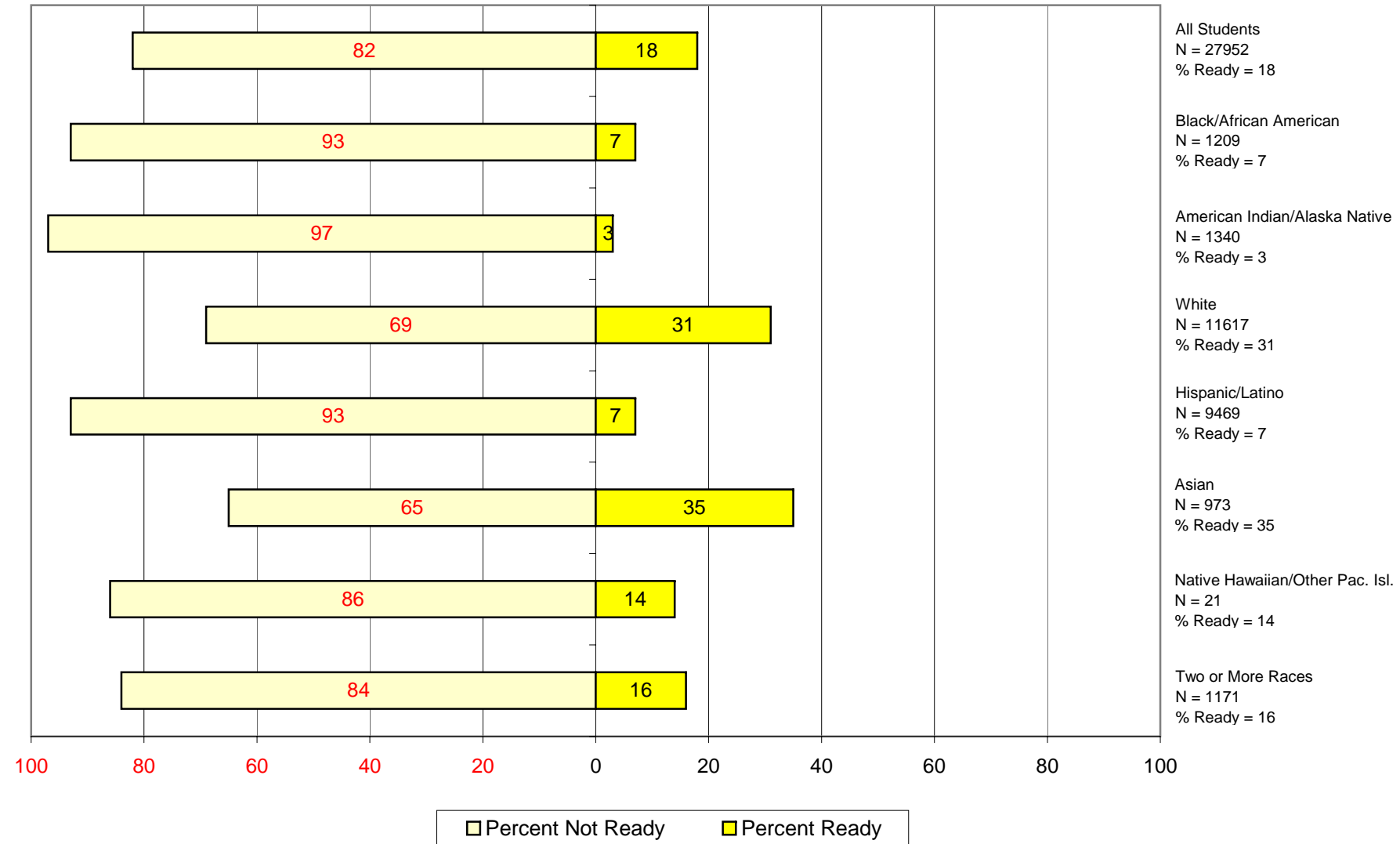
ACT Science Benchmark Score = **24**



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 27,952

Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ALL FOUR



¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 27,952

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	3,256	12	20.4	6.7	1,388	11	20.0	6.6	1,854	13	20.7	6.7
Eng 9, Eng 10, Eng 11, Eng 12	20,104	72	19.1	5.4	9,146	71	18.7	5.3	10,782	73	19.5	5.5
Less than 4 years of English	2,301	8	13.7	-	1,187	9	13.4	-	1,062	7	14.0	-
Zero years / no English courses reported	2,291	8	16.5	-	1,157	9	16.1	-	1,080	7	17.0	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,570	6	23.9	7.8	781	6	24.7	8.5	785	5	23.2	7.2
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,119	8	22.3	6.2	845	7	23.0	6.8	1,268	9	21.8	5.8
Alg 1, Alg 2, Geom, & Trig	2,205	8	20.2	4.1	963	7	20.8	4.6	1,219	8	19.8	3.8
Alg 1, Alg 2, Geom, & Other Adv Math	5,006	18	19.6	3.5	2,028	16	20.2	4.0	2,939	20	19.2	3.2
Other comb of 4 or more years of Math	6,682	24	23.6	7.5	3,243	25	24.3	8.1	3,413	23	22.9	6.9
Alg 1, Alg 2, & Geom	4,378	16	17.1	1.0	1,993	15	17.4	1.2	2,304	16	16.8	0.8
Other comb of 3 or 3.5 years of Math	1,156	4	20.6	4.5	557	4	21.1	4.9	584	4	20.0	4.0
Less than 3 years of Math	2,418	9	16.1	-	1,232	10	16.2	-	1,144	8	16.0	-
Zero years / no Math courses reported	2,418	9	18.7	-	1,236	10	19.1	-	1,122	8	18.3	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	513	2	21.5	4.8	242	2	21.2	4.7	269	2	21.7	4.7
Other comb of 4 or more years Social Science	10,342	37	21.5	4.8	4,514	35	21.3	4.8	5,782	39	21.7	4.7
US Hist, World Hist, & Am Gov	2,616	9	19.2	2.5	1,234	10	18.9	2.4	1,348	9	19.5	2.5
Other comb of 3 or 3.5 years of Social Science	8,820	32	19.8	3.1	3,959	31	19.6	3.1	4,793	32	20.0	3.0
Less than 3 years of Social Science	3,252	12	16.7	-	1,695	13	16.5	-	1,473	10	17.0	-
Zero years / no Social Science courses reported	2,409	9	18.1	-	1,234	10	17.8	-	1,113	8	18.6	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	6,748	24	21.1	3.7	3,389	26	21.8	4.7	3,308	22	20.5	2.9
Bio, Chem, Phys	3,065	11	23.4	6.0	1,474	11	24.0	6.9	1,582	11	22.8	5.2
Gen Sci ² , Bio, Chem	8,290	30	19.2	1.8	3,335	26	19.4	2.3	4,882	33	19.1	1.5
Other comb of 3 years of Natural Science	824	3	19.5	2.1	467	4	20.2	3.1	347	2	18.6	1.0
Less than 3 years of Natural Science	6,541	23	17.4	-	2,942	23	17.1	-	3,513	24	17.6	-
Zero years / no Natural Science courses reported	2,484	9	17.9	-	1,271	10	18.1	-	1,146	8	17.8	-

¹Course value added is defined as the average ACT score change compared to course sequences in which students took less than four years of English or less than three years of Mathematics, Social Science or Natural Science.

²Includes General, Physical and Earth Sciences.

Total Students in Report: 27,952

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	3,256	12	20.4	65	366,770	23	21.8	74
Eng 9, Eng 10, Eng 11, Eng 12	20,104	72	19.1	56	1,143,409	70	20.6	66
Less than 4 years of English	2,301	8	13.7	23	66,225	4	16.6	40
Zero years / no English courses reported	2,291	8	16.5	40	46,708	3	16.5	39
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	1,570	6	23.9	69	102,806	6	24.2	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	2,119	8	22.3	60	147,655	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	2,205	8	20.2	40	115,939	7	19.7	34
Alg 1, Alg 2, Geom, & Other Adv Math	5,006	18	19.6	31	271,304	17	19.9	36
Other comb of 4 or more years of Math	6,682	24	23.6	64	539,241	33	23.8	66
Alg 1, Alg 2, & Geom	4,378	16	17.1	10	238,527	15	17.3	12
Other comb of 3 or 3.5 years of Math	1,156	4	20.6	40	78,953	5	19.9	35
Less than 3 years of Math	2,418	9	16.1	6	79,145	5	16.4	8
Zero years / no Math courses reported	2,418	9	18.7	25	49,542	3	18.1	21
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	513	2	21.5	53	47,284	3	22.5	59
Other comb of 4 or more years Social Science	10,342	37	21.5	54	845,170	52	21.9	56
US Hist, World Hist, & Am Gov	2,616	9	19.2	37	86,167	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	8,820	32	19.8	42	445,631	27	21.1	51
Less than 3 years of Social Science	3,252	12	16.7	22	149,746	9	19.7	40
Zero years / no Social Science courses reported	2,409	9	18.1	31	49,114	3	17.9	28
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	6,748	24	21.1	33	686,167	42	22.1	39
Bio, Chem, Phys	3,065	11	23.4	48	160,020	10	23.1	46
Gen Sci ¹ , Bio, Chem	8,290	30	19.2	16	476,294	29	20.1	21
Other comb of 3 years of Natural Science	824	3	19.5	19	45,296	3	19.6	20
Less than 3 years of Natural Science	6,541	23	17.4	9	205,148	13	18.3	12
Zero years / no Natural Science courses reported	2,484	9	17.9	12	50,187	3	17.8	13

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Tables within this section have been changed to reflect the updated Educational Major categories implemented by ACT in the fall of 2010.

Total Students in Report: 27,952

Table 4.1. Distribution of Planned Educational Majors for All Students by College Plans

Planned Educational Major ¹	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ²	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp	N	Percent ³	Avg ACT Comp
Agriculture & Natural Resources Conservation	295	1	17.9	38	2	14.7	233	1	18.5
Architecture	337	1	19.7	27	1	15.8	290	1	20.2
Area, Ethnic, & Multidisciplinary Studies	48	0	22.9	3	0	14.0	40	0	23.4
Arts: Visual & Performing	1,976	7	19.3	226	11	15.7	1,567	8	20.0
Business	2,333	8	20.1	155	7	15.4	2,021	10	20.4
Communications	543	2	20.3	33	2	16.1	479	2	20.7
Community, Family, & Personal Services	1,422	5	16.7	342	16	14.9	977	5	17.4
Computer Science & Mathematics	607	2	21.3	53	3	16.2	509	2	21.9
Education	1,061	4	19.5	60	3	14.4	955	5	19.9
Engineering	1,611	6	22.0	102	5	14.6	1,408	7	22.6
Engineering Technology & Drafting	763	3	19.8	90	4	13.7	632	3	20.7
English & Foreign Languages	327	1	22.7	22	1	18.5	279	1	23.0
Health Administration & Assisting	605	2	17.6	58	3	14.9	508	2	17.9
Health Sciences & Technologies	5,050	18	19.8	294	14	15.2	4,501	22	20.2
Philosophy, Religion, & Theology	121	0	21.4	3	0	15.7	110	1	21.7
Repair, Production, & Construction	361	1	16.5	153	7	15.2	171	1	17.9
Sciences: Biological & Physical	1,373	5	23.4	22	1	18.2	1,274	6	23.6
Social Sciences & Law	1,782	6	21.1	43	2	15.5	1,642	8	21.3
Undecided	3,134	11	20.9	231	11	15.2	2,423	12	21.5
No Response	4,203	15	17.2	163	8	13.6	411	2	16.3

¹Refer to the section header on page 25 for a description of educational major changes.

²2-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.

³Percent of students tested within College Plan groups (All Students, 2-Year, 4-Year).

Total Students in Report: 27,952

Table 4.2. Average ACT Composite Scores for Racial/Ethnic¹ Groups by Post-Secondary Educational Aspirations

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Black/African American		American Indian/ Alaska Native		White		Hispanic/Latino	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	552	15.1	20	14.1	45	13.9	124	17.6	275	14.3
2-yr College Degree	1,566	15.1	71	13.6	116	14.3	343	17.0	797	14.3
Bachelors Degree	9,316	19.4	420	16.8	539	16.3	4,203	21.7	3,053	17.1
Graduate Study	4,091	22.0	190	19.2	127	17.7	2,095	24.2	1,097	18.9
Prof. Level Degree	7,023	21.5	337	18.9	324	17.4	2,772	24.0	2,394	19.0
Other	676	16.9	19	14.8	47	14.9	216	19.1	265	15.5
No Response	4,728	18.3	152	16.2	142	15.4	1,864	21.0	1,588	15.6

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		Asian		Native Hawaiian/ Other Pacific Islander		Two or more races		Prefer not to respond/ No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	552	15.1	8	19.6	0	.	22	16.2	58	14.3
2-yr College Degree	1,566	15.1	25	16.6	0	.	61	16.5	153	14.9
Bachelors Degree	9,316	19.4	214	20.5	12	18.0	369	19.5	506	18.0
Graduate Study	4,091	22.0	162	23.3	2	24.0	162	22.1	256	21.2
Prof. Level Degree	7,023	21.5	401	24.8	6	19.8	324	21.6	465	20.8
Other	676	16.9	22	18.8	0	.	24	18.5	83	16.0
No Response	4,728	18.3	141	21.2	1	26.0	209	18.8	631	17.8

¹Refer to the section header on page 25 for a description of race/ethnicity changes.

Total Students in Report: 27,952

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	11,715	5,605	6,110	6	18	29	24	15	7	1
UNIVERSITY OF ARIZONA	Arizona	9,871	3,287	6,584	6	18	28	24	16	8	1
NORTHERN ARIZONA UNIVERSITY	Arizona	8,117	1,862	6,255	5	16	30	27	16	6	0
GRAND CANYON UNIVERSITY	Arizona	2,067	408	1,659	8	26	34	21	9	3	0
GLENDALE COMMUNITY COLLEGE	Arizona	1,913	610	1,303	10	30	36	17	5	1	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	1,846	1,846	0	13	27	30	18	8	4	0
MESA COMMUNITY COLLEGE	Arizona	1,560	448	1,112	6	24	36	21	10	3	0
PHOENIX COLLEGE	Arizona	1,475	365	1,110	18	40	30	9	3	0	0
PIMA COMMUNITY COLLEGE	Arizona	1,286	360	926	13	31	34	15	6	1	0
ARIZONA WESTERN COLLEGE	Arizona	1,129	535	594	21	40	28	9	2	0	0
UNIVERSITY OF SOUTHERN CALIFORNIA	California	739	128	611	4	16	29	25	15	9	1
BRIGHAM YOUNG UNIVERSITY	Utah	733	375	358	0	3	11	28	31	24	2
GATEWAY COMMUNITY COLLEGE	Arizona	732	151	581	17	41	30	9	2	0	0
ART INSTITUTE OF PHOENIX THE	Arizona	722	211	511	11	31	36	15	5	2	0
SAN DIEGO STATE UNIVERSITY	California	700	120	580	3	17	32	27	16	4	0
NCAA ELIGIBILITY CENTER	Indiana	678	307	371	2	13	33	28	17	7	1
UNIVERSITY OF CALIFORNIA-LOS ANGELES	California	544	79	465	2	14	27	24	18	13	1
STANFORD UNIVERSITY	California	473	136	337	1	3	11	20	23	32	9
SOUTH MOUNTAIN COMMUNITY COLLEGE	Arizona	465	111	354	18	49	29	4	1	0	0
CHANDLER-GILBERT COMMUNITY COLLEGE	Arizona	447	81	366	5	18	36	29	10	2	0
SCOTTSDALE COMMUNITY COLLEGE	Arizona	439	75	364	10	28	35	16	9	2	0
DEVRY UNIVERSITY-PHOENIX AZ	Arizona	416	80	336	11	33	31	17	6	2	0
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	375	84	291	0	4	11	36	30	18	1
UNIVERSITY OF SAN DIEGO	California	353	48	305	1	10	28	30	19	11	1
EASTERN ARIZONA COLLEGE	Arizona	328	103	225	5	19	33	26	14	3	0
ESTRELLA MOUNTAIN COMMUNITY COLLEGE	Arizona	324	72	252	11	40	32	12	5	0	0
ART CENTER DESIGN COLL THE-TUCSON	Arizona	307	65	242	14	37	28	14	5	2	0
SCOTTSDALE CULINARY INSTITUTE	Arizona	295	82	213	16	29	34	15	5	1	0
YAVAPAI COLLEGE	Arizona	283	82	201	7	29	34	18	10	2	0
COCONINO COMMUNITY COLLEGE	Arizona	257	83	174	11	30	35	18	6	1	0
All Other Institutions		19,212	4,290	14,922	6	15	24	23	18	12	2
Total		69,801	22,089	47,712	7	20	28	23	14	8	1

Section V

Optional Writing Test Results

Tables within this section have been changed to reflect the updated United States Department of Education race/ethnicity reporting requirements. The race/ethnicity categories shown are the derived Federal reporting categories. Not all values convert from old race/ethnicity categories into new race/ethnicity categories. Therefore, trend data may not be present where direct conversions are not available.

Total Students in Report: 27,952

Table 5.1. Average ACT English and Writing Scores by Race/Ethnicity¹ and Gender for students who took ACT Writing

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	7,314	905,035	22.8	21.5	7.3	7.1	21.8	20.8
Black/African American	318	112,251	18.9	16.7	6.8	6.3	18.6	16.5
American Indian/Alaska Native	374	5,519	14.8	18.4	6.1	6.5	15.0	18.0
White	3,909	522,234	24.6	23.2	7.4	7.3	23.3	22.2
Hispanic/Latino	1,667	128,599	20.0	18.4	7.1	6.8	19.6	18.2
Asian	394	51,829	25.3	23.8	7.8	7.6	24.2	22.9
Native Hawaiian/Other Pac. Isl.	8	1,332	19.3	19.7	7.0	7.2	18.9	19.5
Two or more races	230	27,722	24.2	21.6	7.4	7.0	23.0	20.8
Prefer not/No Response	414	55,549	24.0	21.3	7.3	7.0	22.8	20.5
Males	3,068	399,206	22.5	21.3	7.1	6.8	21.5	20.3
Females	4,244	503,699	22.9	21.8	7.4	7.3	22.1	21.1
Missing	2	2,130	20.5	17.6	6.0	6.2	19.0	17.1

¹Refer to the section header on page 29 for a description of race/ethnicity changes.

