

ACT Profile Report - State

Graduating Class 2011
Utah



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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

27% 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: 25,161 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. 76% 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 4% of the cohort took less than three years of math courses. Of these students, 7% were college ready. 16% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 13% of these students were college ready. In comparison, 57% 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 16% of the cohort took less than three years of natural science courses. 19% of these students were college ready. In comparison, 36% 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 42% 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 303-337-3273.

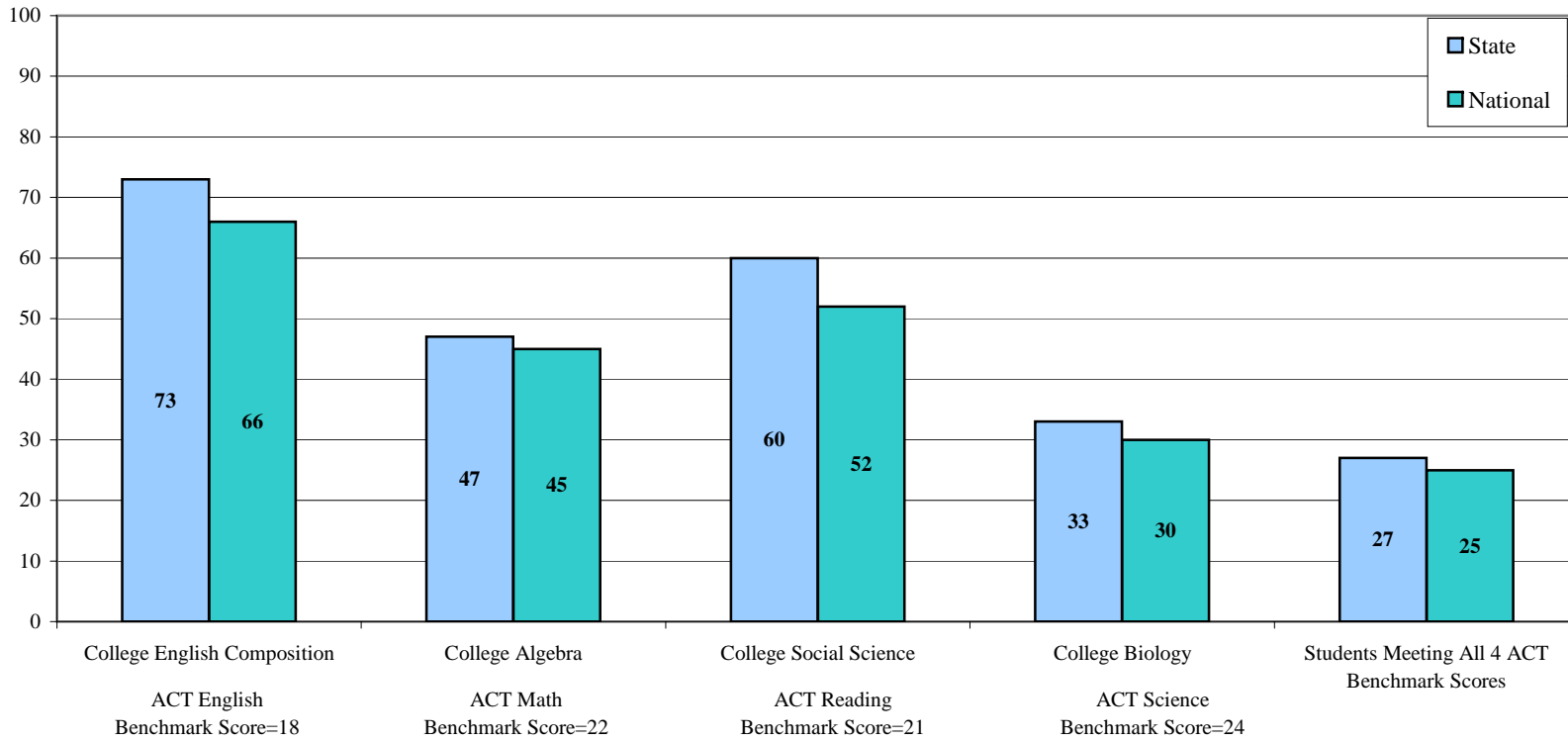
Section I

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: 25,161

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: 25,161

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	22,008	1,300,599	74	69	43	43	57	53	30	28	24	23
2008	22,598	1,421,941	75	68	44	43	60	53	32	28	25	22
2009	23,229	1,480,469	73	67	44	42	62	53	32	28	25	23
2010	24,824	1,568,835	74	66	45	43	61	52	32	29	26	24
2011	25,161	1,623,112	73	66	47	45	60	52	33	30	27	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	22,008	1,300,599	21.3	20.7	21.1	21.0	22.2	21.5	21.6	21.0	21.7	21.2
2008	22,598	1,421,941	21.4	20.6	21.1	21.0	22.5	21.4	21.6	20.8	21.8	21.1
2009	23,229	1,480,469	21.4	20.6	21.1	21.0	22.6	21.4	21.6	20.9	21.8	21.1
2010	24,824	1,568,835	21.4	20.5	21.1	21.0	22.5	21.3	21.7	20.9	21.8	21.0
2011	25,161	1,623,112	21.4	20.6	21.2	21.1	22.3	21.3	21.7	20.9	21.8	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: 25,161

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	9,967	8,008	45	36	22.2	20.1	21.9	20.0	23.0	21.3	22.3	20.7	22.5	20.6
2008	13,612	7,579	60	34	22.1	20.2	21.8	20.0	23.1	21.5	22.2	20.6	22.4	20.7
2009	16,390	6,586	71	28	22.1	19.8	21.8	19.6	23.2	21.2	22.2	20.2	22.4	20.3
2010	17,794	6,768	72	27	22.2	19.4	21.8	19.3	23.2	20.9	22.3	20.1	22.5	20.0
2011	19,125	5,741	76	23	22.1	19.2	21.9	19.3	22.9	20.5	22.3	20.1	22.4	19.9

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.

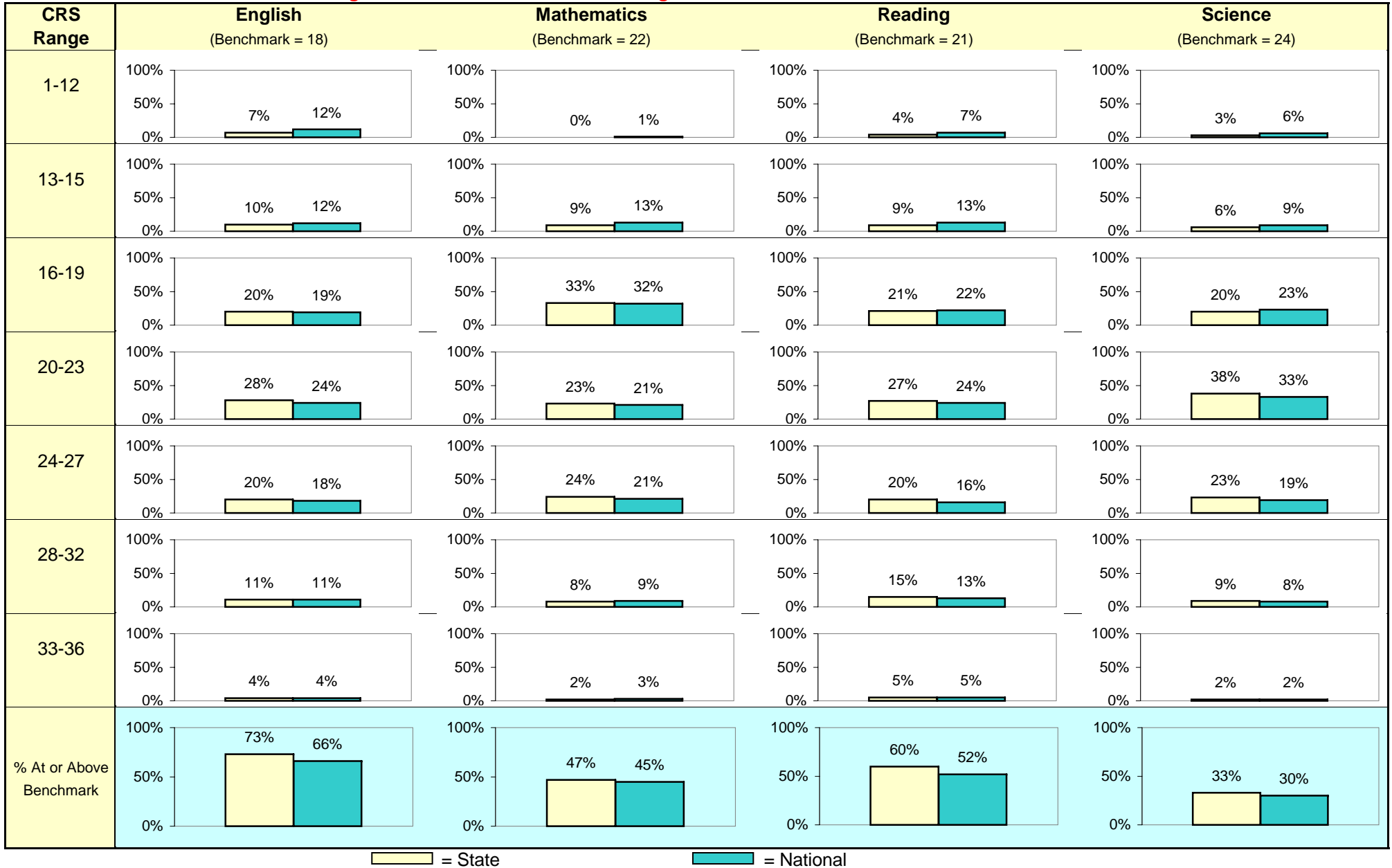
Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2007			2008			2009			2010			2011		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	22,008	100	21.7	22,598	100	21.8	23,229	100	21.8	24,824	100	21.8	25,161	100	21.8
Black/African American	159	1	18.5	179	1	17.9	228	1	18.1	264	1	18.1	265	1	18.2
American Indian/Alaska Native	193	1	18.6	195	1	17.9	241	1	17.9	262	1	17.8	223	1	18.5
White	16,326	74	21.9	18,026	80	22.0	19,014	82	22.2	20,153	81	22.2	19,926	79	22.3
Hispanic/Latino	940	4	19.0	1,099	5	18.9	1,386	6	18.8	1,636	7	18.6	2,359	9	18.9
Asian	657	3	21.3	777	3	21.3	829	4	20.9	914	4	20.7	699	3	21.6
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	241	1	18.0
Two or more races	293	1	21.4	398	2	22.1	449	2	21.7	566	2	22.0	568	2	21.9
Prefer not to respond/No response	3,440	16	21.6	1,924	9	22.0	1,082	5	21.9	1,029	4	21.0	880	3	21.6

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

Total Students in Report: 25,161

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: 25,161

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	63	100	54	100	145	100	51	100	5	100	36
35	304	100	100	100	219	99	94	100	49	100	35
34	295	99	166	99	430	99	78	99	112	100	34
33	364	97	165	99	546	97	209	99	168	99	33
32	401	96	279	98	572	95	138	98	266	99	32
31	522	94	217	97	752	92	236	98	414	98	31
30	514	92	305	96	842	89	421	97	578	96	30
29	622	90	483	95	739	86	467	95	656	94	29
28	826	88	766	93	908	83	929	93	902	91	28
27	947	84	1,130	90	901	80	821	90	1,089	87	27
26	972	81	1,392	85	1,024	76	1,336	86	1,299	83	26
25	1,275	77	1,507	80	1,311	72	1,473	81	1,560	78	25
24	1,843	72	1,933	74	1,776	67	2,103	75	1,799	72	24
23	1,304	64	1,979	66	1,349	60	2,519	67	1,837	65	23
22	1,932	59	1,407	58	1,803	54	1,916	57	1,950	57	22
21	2,074	52	997	53	1,870	47	2,680	49	2,064	50	21
20	1,638	43	1,446	49	1,668	40	2,346	39	1,987	41	20
19	1,420	37	1,508	43	1,493	33	1,644	29	1,885	33	19
18	1,112	31	2,048	37	1,500	27	1,761	23	1,802	26	18
17	1,160	27	2,053	29	1,262	21	973	16	1,402	19	17
16	1,271	22	2,812	21	992	16	751	12	1,111	13	16
15	1,189	17	1,636	10	793	12	749	9	849	9	15
14	840	12	515	3	930	9	442	6	661	5	14
13	489	9	213	1	440	5	378	4	412	3	13
12	449	7	33	1	478	4	287	3	206	1	12
11	507	5	11	1	254	2	174	1	80	1	11
10	356	3	4	1	103	1	131	1	13	1	10
9	236	2	0	1	32	1	40	1	4	1	9
8	155	1	2	1	14	1	8	1	0	1	8
7	58	1	0	1	7	1	2	1	0	1	7
6	14	1	0	1	6	1	2	1	0	1	6
5	8	1	0	1	1	1	0	1	1	1	5
4	1	1	0	1	0	1	1	1	0	1	4
3	0	1	0	1	0	1	1	1	0	1	3
2	0	1	0	1	1	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	21.4 (5.9)		21.2 (4.8)		22.3 (5.8)		21.7 (4.6)		21.8 (4.7)		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: 25,161

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	714	100	436	100	621	100	623	100	836	100	210	100	272	100	18
17	1,201	97	52	98	970	98	1,725	98	928	97	160	99	16	99	17
16	1,008	92	1,740	98	2,112	94	1,731	91	733	93	562	99	506	99	16
15	1,482	88	2,174	91	1,547	85	1,969	84	1,501	90	836	96	1,364	97	15
14	1,284	82	1,701	83	1,647	79	1,422	76	1,845	84	2,435	93	2,195	91	14
13	1,649	77	2,399	76	2,032	73	2,244	70	2,697	77	3,381	83	2,129	83	13
12	1,871	71	3,102	66	3,565	65	2,319	61	1,850	66	2,403	70	3,303	74	12
11	2,683	63	3,369	54	2,430	50	2,891	52	3,196	59	4,039	60	3,086	61	11
10	3,452	53	2,550	40	2,524	41	2,176	41	2,045	46	3,352	44	4,169	49	10
9	2,323	39	2,796	30	2,697	31	2,174	32	2,198	38	3,847	31	2,979	32	9
8	1,962	30	1,690	19	1,916	20	1,710	23	3,121	29	1,752	16	2,201	20	8
7	1,822	22	1,229	13	1,719	12	1,285	17	2,712	17	1,044	9	1,291	12	7
6	1,623	15	714	8	667	5	1,522	11	1,012	6	363	5	879	7	6
5	915	8	530	5	412	3	859	5	273	2	439	3	249	3	5
4	621	5	486	3	202	1	331	2	139	1	100	1	339	2	4
3	411	2	155	1	70	1	120	1	58	1	167	1	55	1	3
2	126	1	35	1	22	1	57	1	12	1	27	1	105	1	2
1	14	1	3	1	8	1	3	1	5	1	44	1	23	1	1
Avg (SD)	10.5 (3.7)		11.2 (3.2)		11.4 (3.3)		11.4 (3.6)		11.0 (3.3)		10.9 (2.7)		10.7 (2.8)		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)	25	25	26	24	25
Q2 (50th Percentile)	21	21	22	22	22
Q1 (25th Percentile)	17	17	18	19	18

Total Students in Report: 25,161

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	25,161	76	22.4	19.9
	Black/African American	265	74	18.9	16.4
	American Indian/Alaska Native	223	66	19.3	17.0
	White	19,926	77	22.9	20.4
	Hispanic/Latino	2,359	71	19.6	17.3
	Asian	699	80	22.1	20.0
	Native Hawaiian/Other Pac. Isl.	241	76	18.3	16.7
	Two or more races	568	76	22.5	20.2
	Prefer not/No Response	880	73	22.3	19.8
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	21.4	21.2	22.3	21.7	21.8
	Black/African American	17.1	17.8	18.9	18.6	18.2
	American Indian/Alaska Native	17.1	18.4	19.2	18.8	18.5
	White	22.0	21.6	22.9	22.2	22.3
	Hispanic/Latino	17.8	18.7	19.4	19.3	18.9
	Asian	20.5	22.4	21.4	21.6	21.6
	Native Hawaiian/Other Pac. Isl.	16.9	18.1	18.3	18.3	18.0
	Two or more races	21.5	21.0	22.8	21.8	21.9
	Prefer not/No Response	21.2	21.0	22.3	21.4	21.6
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: 25,161

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	1,026	4	485	2	1,340	5	432	2
	28 to 32	2,885	11	2,050	8	3,813	15	2,191	9
	24 to 27	5,037	20	5,962	24	5,012	20	5,733	23
	20 to 23	6,948	28	5,829	23	6,690	27	9,461	38
	16 to 19	4,963	20	8,421	33	5,247	21	5,129	20
	13 to 15	2,518	10	2,364	9	2,163	9	1,569	6
	01 to 12	1,784	7	50	0	896	4	646	3
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	11,958	48	21.0	22.0	22.2	22.4	22.0
	Females	13,189	52	21.7	20.6	22.5	21.2	21.6
	Missing	14	0	19.1	18.1	20.5	18.1	19.0
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	71	53	60	40	32
	Females	75	42	61	28	22
National	Males	64	49	51	34	28
	Females	69	41	53	26	22

Total Students in Report: 25,161

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	19,125	78	22.1	53	21.9	64	22.9	37	22.3	31	22.4
	Less than Core	5,741	59	19.2	30	19.3	48	20.5	20	20.1	15	19.9
	Missing ³	295	56	18.3	24	18.7	44	20.2	18	19.4	11	19.2
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	23,966	74	21.5	23,848	49	21.5	23,767	61	22.5	20,924	36	22.1
	Less than Core	949	64	19.8	1,055	7	16.4	1,137	43	19.9	3,972	19	19.9
	Missing ³	246	59	18.8	258	24	18.8	257	46	20.5	265	19	19.8
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.

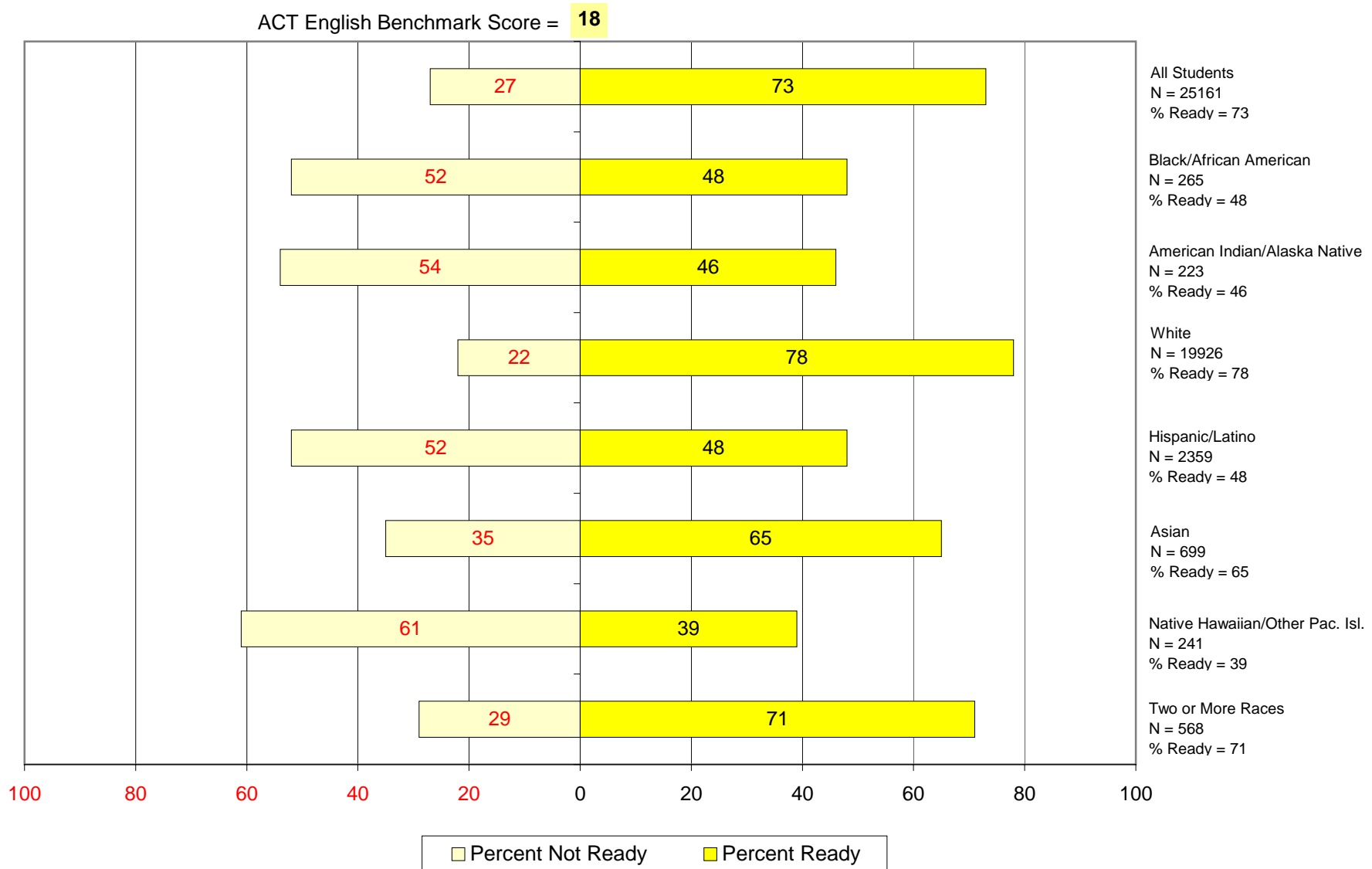
Section III

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: 25,161

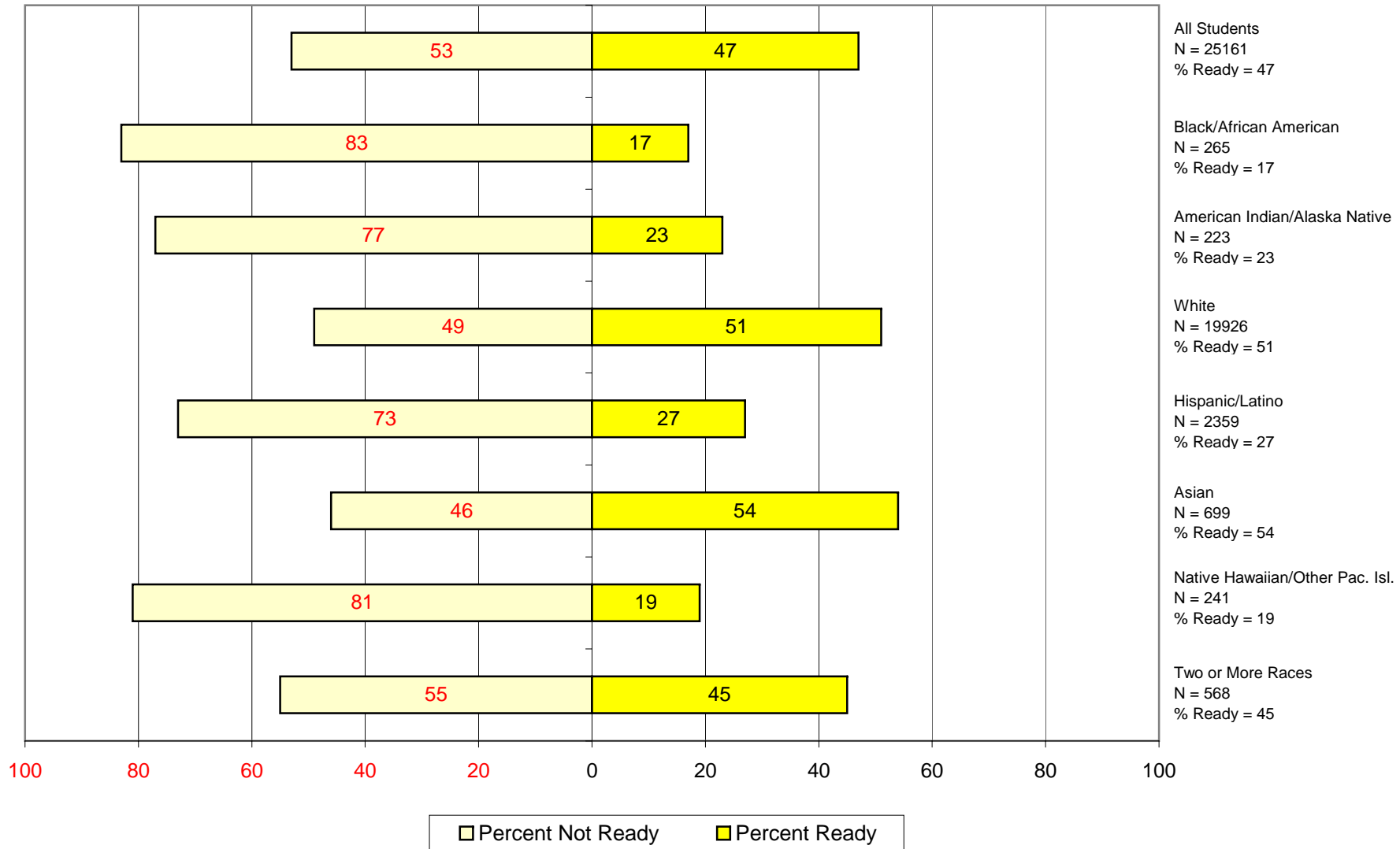
Figure 3.1. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity¹: ENGLISH



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

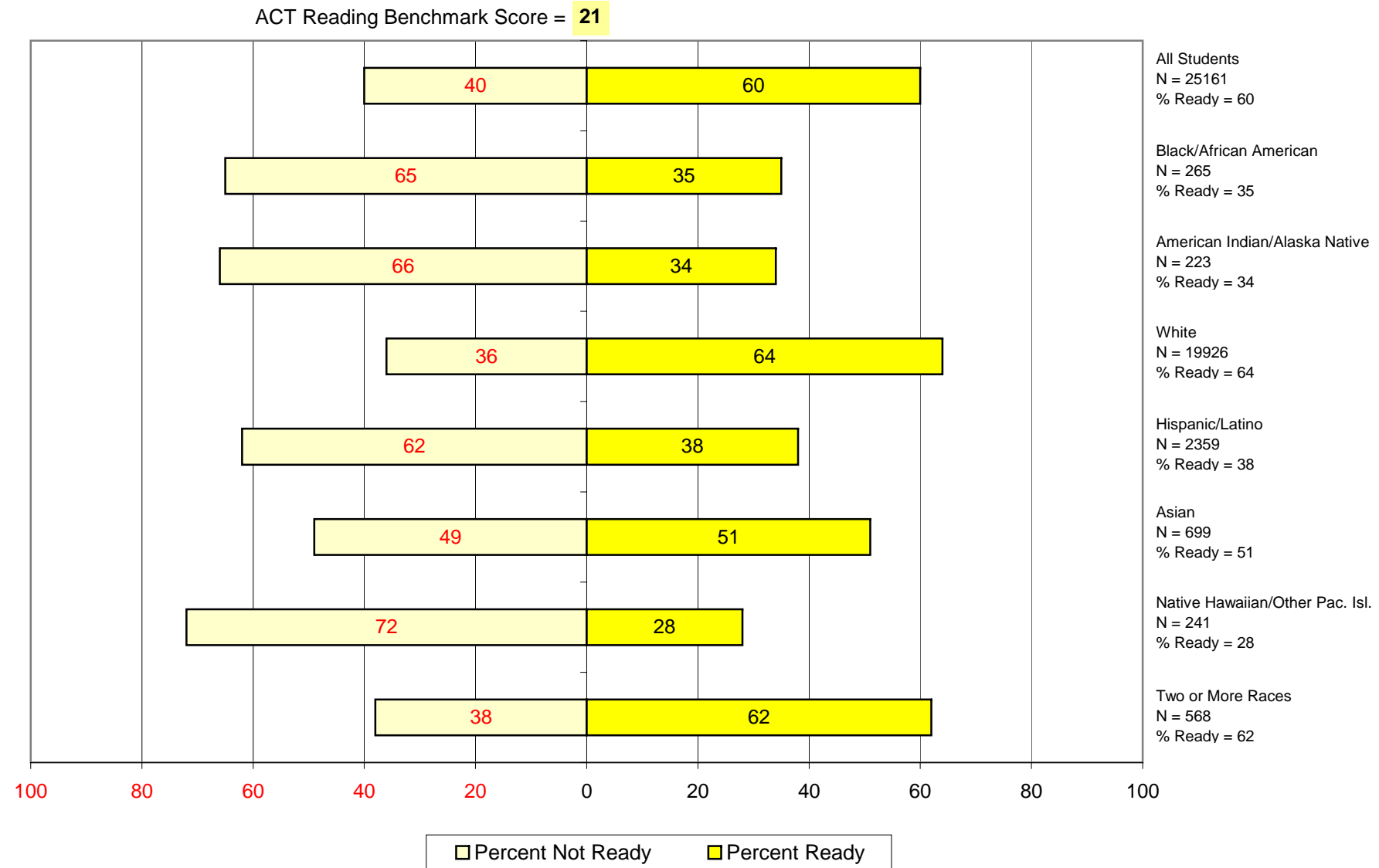
ACT Mathematics Benchmark Score = **22**



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

Total Students in Report: 25,161

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

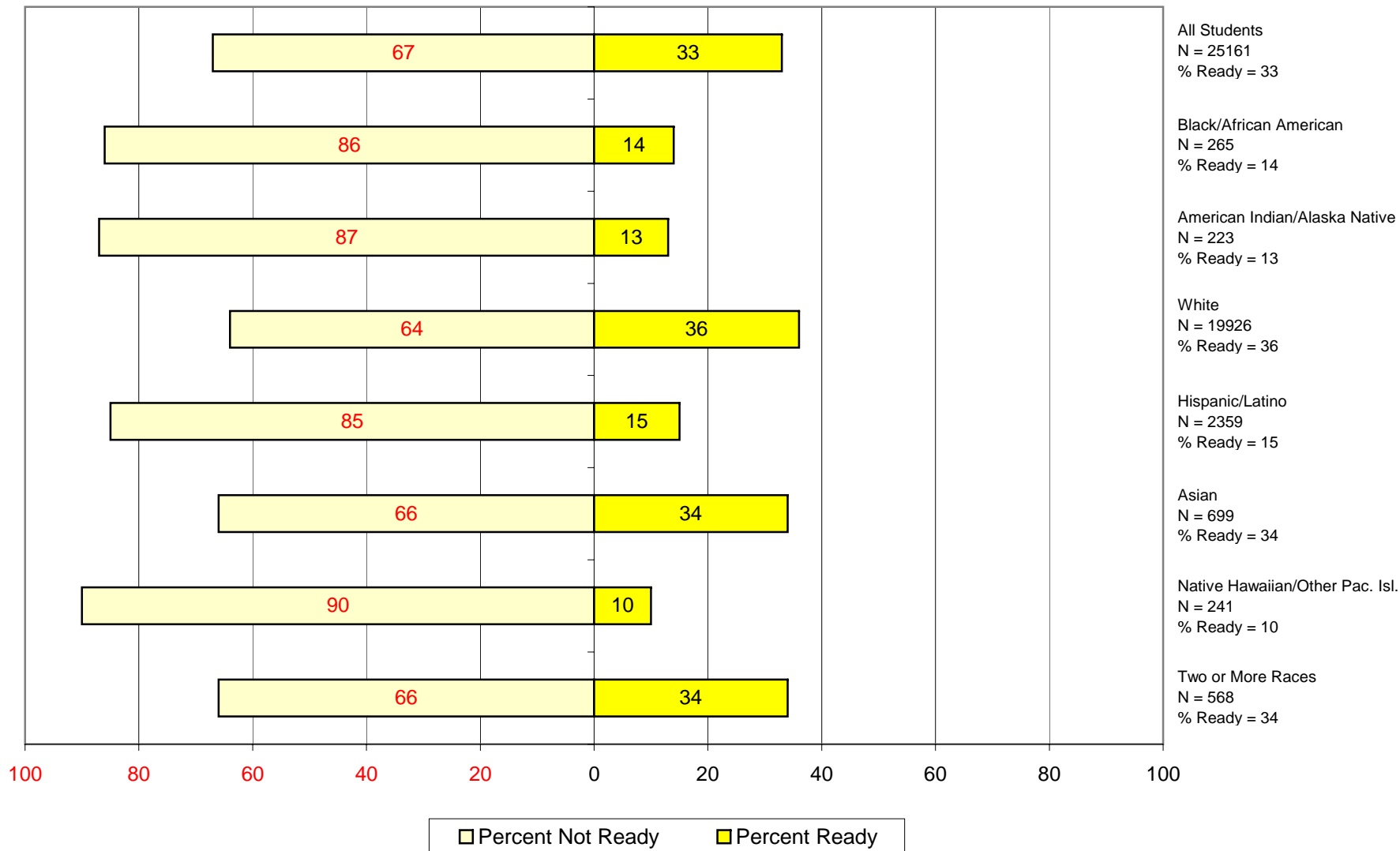


¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 25,161

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

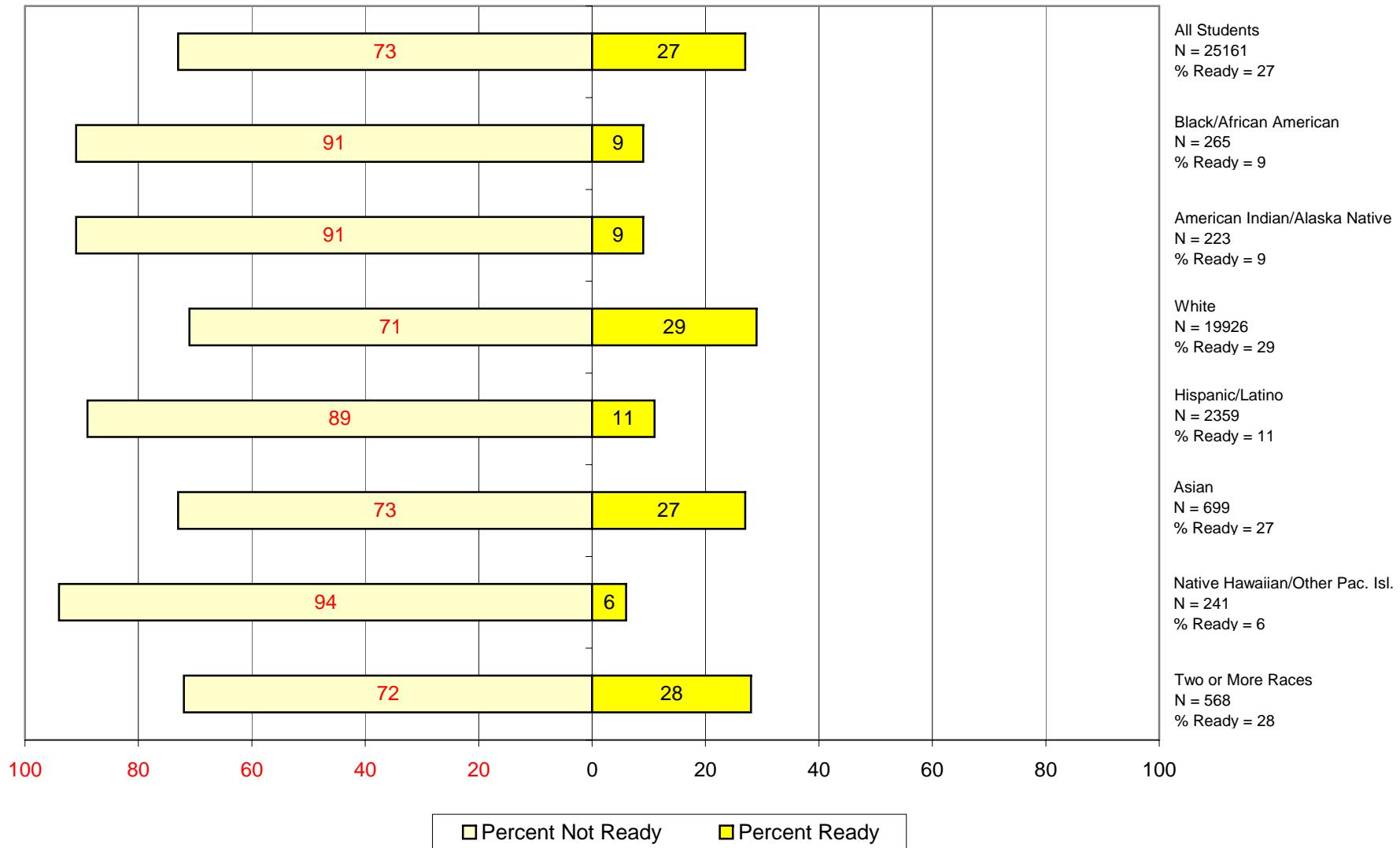
ACT Science Benchmark Score = **24**



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

Total Students in Report: 25,161

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: 25,161

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	7,815	31	22.0	2.2	3,349	28	21.6	1.8	4,466	34	22.4	2.7
Eng 9, Eng 10, Eng 11, Eng 12	16,151	64	21.2	1.4	8,006	67	20.8	1.0	8,138	62	21.6	1.9
Less than 4 years of English	949	4	19.8	-	464	4	19.8	-	480	4	19.7	-
Zero years / no English courses reported	246	1	18.8	-	139	1	18.5	-	105	1	19.1	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	875	3	23.8	7.4	436	4	24.6	7.9	439	3	23.0	6.8
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,495	6	22.5	6.1	595	5	22.8	6.1	900	7	22.4	6.2
Alg 1, Alg 2, Geom, & Trig	739	3	19.9	3.5	349	3	20.1	3.4	389	3	19.7	3.5
Alg 1, Alg 2, Geom, & Other Adv Math	4,519	18	20.3	3.9	1,814	15	20.8	4.1	2,703	20	20.0	3.8
Other comb of 4 or more years of Math	10,867	43	23.4	7.0	5,691	48	24.1	7.4	5,174	39	22.6	6.4
Alg 1, Alg 2, & Geom	3,975	16	17.6	1.2	1,725	14	18.1	1.4	2,244	17	17.3	1.1
Other comb of 3 or 3.5 years of Math	1,378	5	19.8	3.4	718	6	20.1	3.4	660	5	19.5	3.3
Less than 3 years of Math	1,055	4	16.4	-	485	4	16.7	-	569	4	16.2	-
Zero years / no Math courses reported	258	1	18.8	-	145	1	19.4	-	111	1	18.0	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	427	2	21.7	1.8	218	2	21.2	1.2	209	2	22.2	2.4
Other comb of 4 or more years Social Science	15,773	63	22.8	2.9	7,176	60	22.8	2.8	8,592	65	22.9	3.1
US Hist, World Hist, & Am Gov	805	3	20.1	0.2	436	4	20.2	0.2	369	3	19.9	0.1
Other comb of 3 or 3.5 years of Social Science	6,762	27	22.0	2.1	3,377	28	21.9	1.9	3,380	26	22.1	2.3
Less than 3 years of Social Science	1,137	5	19.9	-	605	5	20.0	-	530	4	19.8	-
Zero years / no Social Science courses reported	257	1	20.5	-	146	1	20.8	-	109	1	20.1	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	9,808	39	22.6	2.7	5,067	42	23.2	2.9	4,738	36	21.9	2.2
Bio, Chem, Phys	1,904	8	24.3	4.4	960	8	25.0	4.7	944	7	23.5	3.8
Gen Sci ² , Bio, Chem	6,554	26	21.1	1.2	2,539	21	21.6	1.3	4,011	30	20.8	1.1
Other comb of 3 years of Natural Science	2,658	11	21.2	1.3	1,549	13	21.8	1.5	1,109	8	20.3	0.6
Less than 3 years of Natural Science	3,972	16	19.9	-	1,696	14	20.3	-	2,272	17	19.7	-
Zero years / no Natural Science courses reported	265	1	19.8	-	147	1	20.5	-	115	1	18.9	-

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: 25,161

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	7,815	31	22.0	78	366,770	23	21.8	74
Eng 9, Eng 10, Eng 11, Eng 12	16,151	64	21.2	72	1,143,409	70	20.6	66
Less than 4 years of English	949	4	19.8	64	66,225	4	16.6	40
Zero years / no English courses reported	246	1	18.8	59	46,708	3	16.5	39
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	875	3	23.8	70	102,806	6	24.2	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,495	6	22.5	64	147,655	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	739	3	19.9	35	115,939	7	19.7	34
Alg 1, Alg 2, Geom, & Other Adv Math	4,519	18	20.3	40	271,304	17	19.9	36
Other comb of 4 or more years of Math	10,867	43	23.4	66	539,241	33	23.8	66
Alg 1, Alg 2, & Geom	3,975	16	17.6	13	238,527	15	17.3	12
Other comb of 3 or 3.5 years of Math	1,378	5	19.8	35	78,953	5	19.9	35
Less than 3 years of Math	1,055	4	16.4	7	79,145	5	16.4	8
Zero years / no Math courses reported	258	1	18.8	24	49,542	3	18.1	21
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	427	2	21.7	56	47,284	3	22.5	59
Other comb of 4 or more years Social Science	15,773	63	22.8	64	845,170	52	21.9	56
US Hist, World Hist, & Am Gov	805	3	20.1	44	86,167	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	6,762	27	22.0	57	445,631	27	21.1	51
Less than 3 years of Social Science	1,137	5	19.9	43	149,746	9	19.7	40
Zero years / no Social Science courses reported	257	1	20.5	46	49,114	3	17.9	28
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	9,808	39	22.6	41	686,167	42	22.1	39
Bio, Chem, Phys	1,904	8	24.3	56	160,020	10	23.1	46
Gen Sci ¹ , Bio, Chem	6,554	26	21.1	26	476,294	29	20.1	21
Other comb of 3 years of Natural Science	2,658	11	21.2	29	45,296	3	19.6	20
Less than 3 years of Natural Science	3,972	16	19.9	19	205,148	13	18.3	12
Zero years / no Natural Science courses reported	265	1	19.8	19	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: 25,161

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	359	1	19.7	35	3	17.6	304	1	20.1
Architecture	250	1	20.6	8	1	15.8	229	1	20.8
Area, Ethnic, & Multidisciplinary Studies	45	0	24.6	1	0	23.0	43	0	24.5
Arts: Visual & Performing	2,191	9	21.8	126	11	18.8	1,889	9	22.2
Business	1,931	8	21.2	80	7	18.5	1,721	8	21.4
Communications	385	2	22.1	11	1	17.3	348	2	22.3
Community, Family, & Personal Services	765	3	20.0	100	9	18.2	611	3	20.5
Computer Science & Mathematics	706	3	23.4	26	2	17.8	608	3	23.8
Education	1,463	6	21.5	28	3	19.0	1,363	6	21.6
Engineering	1,080	4	23.7	32	3	17.3	963	4	24.1
Engineering Technology & Drafting	857	3	23.2	23	2	17.1	777	4	23.6
English & Foreign Languages	380	2	23.7	11	1	19.2	349	2	24.0
Health Administration & Assisting	832	3	19.8	59	5	17.9	688	3	20.2
Health Sciences & Technologies	4,990	20	21.5	160	15	18.2	4,532	21	21.8
Philosophy, Religion, & Theology	60	0	22.1	1	0	13.0	52	0	22.7
Repair, Production, & Construction	393	2	18.6	112	10	16.5	242	1	19.9
Sciences: Biological & Physical	1,428	6	23.8	14	1	18.7	1,355	6	23.9
Social Sciences & Law	1,634	6	22.2	43	4	17.5	1,487	7	22.5
Undecided	5,100	20	21.8	221	20	18.0	4,146	19	22.3
No Response	312	1	19.3	5	0	17.6	69	0	19.7

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: 25,161

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	253	17.6	0	.	6	15.7	204	18.0	19	14.2
2-yr College Degree	843	18.1	9	14.6	13	16.5	646	18.6	114	16.3
Bachelors Degree	11,250	20.9	103	17.4	90	18.5	9,290	21.3	931	18.4
Graduate Study	4,487	23.6	31	20.5	33	20.5	3,784	23.8	273	21.1
Prof. Level Degree	6,039	23.6	75	20.7	49	20.0	4,588	24.1	638	20.8
Other	317	19.0	5	16.0	7	16.0	219	19.7	45	16.1
No Response	1,972	20.0	42	15.3	25	15.3	1,195	21.3	339	16.5

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	253	17.6	6	17.2	2	14.5	6	17.5	10	17.7
2-yr College Degree	843	18.1	7	16.3	9	17.0	14	18.4	31	17.0
Bachelors Degree	11,250	20.9	224	19.6	85	17.6	226	20.9	301	20.3
Graduate Study	4,487	23.6	92	23.3	33	20.3	99	23.1	142	23.6
Prof. Level Degree	6,039	23.6	253	24.1	46	20.1	155	24.0	235	23.5
Other	317	19.0	9	19.4	3	14.7	8	21.3	21	18.9
No Response	1,972	20.0	108	19.3	63	16.1	60	20.1	140	20.9

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

Total Students in Report: 25,161

Table 4.3. Students' Score Report Preferences at Time of Testing

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
UNIVERSITY OF UTAH	Utah	9,028	3,190	5,838	1	5	20	31	27	14	2
UTAH STATE UNIVERSITY	Utah	8,015	2,288	5,727	1	5	20	32	28	14	1
BRIGHAM YOUNG UNIVERSITY	Utah	6,067	3,048	3,019	0	2	12	27	34	22	3
UTAH VALLEY UNIVERSITY	Utah	5,633	1,377	4,256	1	7	25	35	23	9	0
WEBER STATE UNIVERSITY	Utah	4,521	1,498	3,023	1	8	27	33	23	8	1
SOUTHERN UTAH UNIVERSITY	Utah	3,706	837	2,869	1	6	24	34	25	9	0
DIXIE STATE COLLEGE OF UTAH	Utah	2,582	750	1,832	1	10	32	35	18	4	0
SNOW COLLEGE	Utah	2,442	715	1,727	2	10	29	34	19	5	0
SALT LAKE COMMUNITY COLLEGE	Utah	2,423	778	1,645	4	14	34	30	14	4	0
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	2,017	286	1,731	0	3	15	31	32	16	2
WESTMINSTER COLLEGE	Utah	1,111	213	898	0	6	22	32	27	12	1
BRIGHAM YOUNG UNIVERSITY-HAWAII CAMPUS	Hawaii	690	102	588	0	3	14	32	33	16	1
NCAA ELIGIBILITY CENTER	Indiana	588	292	296	1	6	27	34	21	10	1
STANFORD UNIVERSITY	California	320	59	261	0	0	6	11	28	40	15
COLLEGE OF EASTERN UTAH	Utah	291	116	175	2	13	33	34	15	2	0
ARIZONA STATE UNIVERSITY	Arizona	283	49	234	0	4	23	34	25	12	2
LDS BUSINESS COLLEGE	Utah	220	37	183	2	10	30	34	19	5	0
HARVARD COLLEGE	Massachusetts	210	26	184	0	1	7	14	24	40	14
UNIVERSITY OF CALIFORNIA-LOS ANGELES	California	201	30	171	0	5	15	24	32	20	3
UNIVERSITY OF SOUTHERN CALIFORNIA	California	194	27	167	1	6	12	25	29	22	5
UNIVERSITY OF WASHINGTON	Washington	171	34	137	0	1	11	19	36	29	4
UNIVERSITY OF OREGON	Oregon	155	29	126	1	4	18	25	28	21	3
SOUTHERN VIRGINIA UNIVERSITY	Virginia	144	25	119	0	3	13	28	32	24	1
COLORADO STATE UNIVERSITY	Colorado	137	26	111	0	1	12	34	31	19	4
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Massachusetts	130	30	100	0	1	5	12	15	41	27
UNIVERSITY OF ARIZONA	Arizona	121	20	101	2	4	21	28	26	17	2
UNITED STATES AIR FORCE ACADEMY	Colorado	118	46	72	0	3	10	21	31	33	2
BOISE STATE UNIVERSITY	Idaho	115	16	99	2	4	26	38	20	10	0
UNIVERSITY OF NEVADA-LAS VEGAS	Nevada	108	8	100	0	11	24	33	24	7	0
SAN DIEGO STATE UNIVERSITY	California	106	25	81	1	4	34	33	17	11	0
All Other Institutions		5,499	1,102	4,397	1	5	20	26	25	18	4
Total		57,346	17,079	40,267	1	6	22	31	26	13	2

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: 25,161

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	7,066	905,035	23.4	21.5	7.5	7.1	22.5	20.8
Black/African American	80	112,251	19.3	16.7	7.1	6.3	19.1	16.5
American Indian/Alaska Native	48	5,519	20.1	18.4	7.2	6.5	19.9	18.0
White	5,481	522,234	24.0	23.2	7.5	7.3	23.0	22.2
Hispanic/Latino	615	128,599	19.8	18.4	7.1	6.8	19.6	18.2
Asian	260	51,829	22.8	23.8	7.6	7.6	22.2	22.9
Native Hawaiian/Other Pac. Isl.	75	1,332	18.1	19.7	7.3	7.2	18.5	19.5
Two or more races	203	27,722	23.7	21.6	7.5	7.0	22.7	20.8
Prefer not/No Response	304	55,549	23.3	21.3	7.4	7.0	22.4	20.5
Males	3,121	399,206	23.1	21.3	7.3	6.8	22.2	20.3
Females	3,943	503,699	23.7	21.8	7.6	7.3	22.8	21.1
Missing	2	2,130	18.5	17.6	6.5	6.2	18.5	17.1

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

