

ACT Profile Report - State

Graduating Class 2011
Michigan



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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

20% 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: 116,823 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. 75% 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, 6% were college ready. 18% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 9% of these students were college ready. In comparison, 44% 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 8% of the cohort took less than three years of natural science courses. 15% of these students were college ready. In comparison, 28% 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 55% 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 847-634-2560.

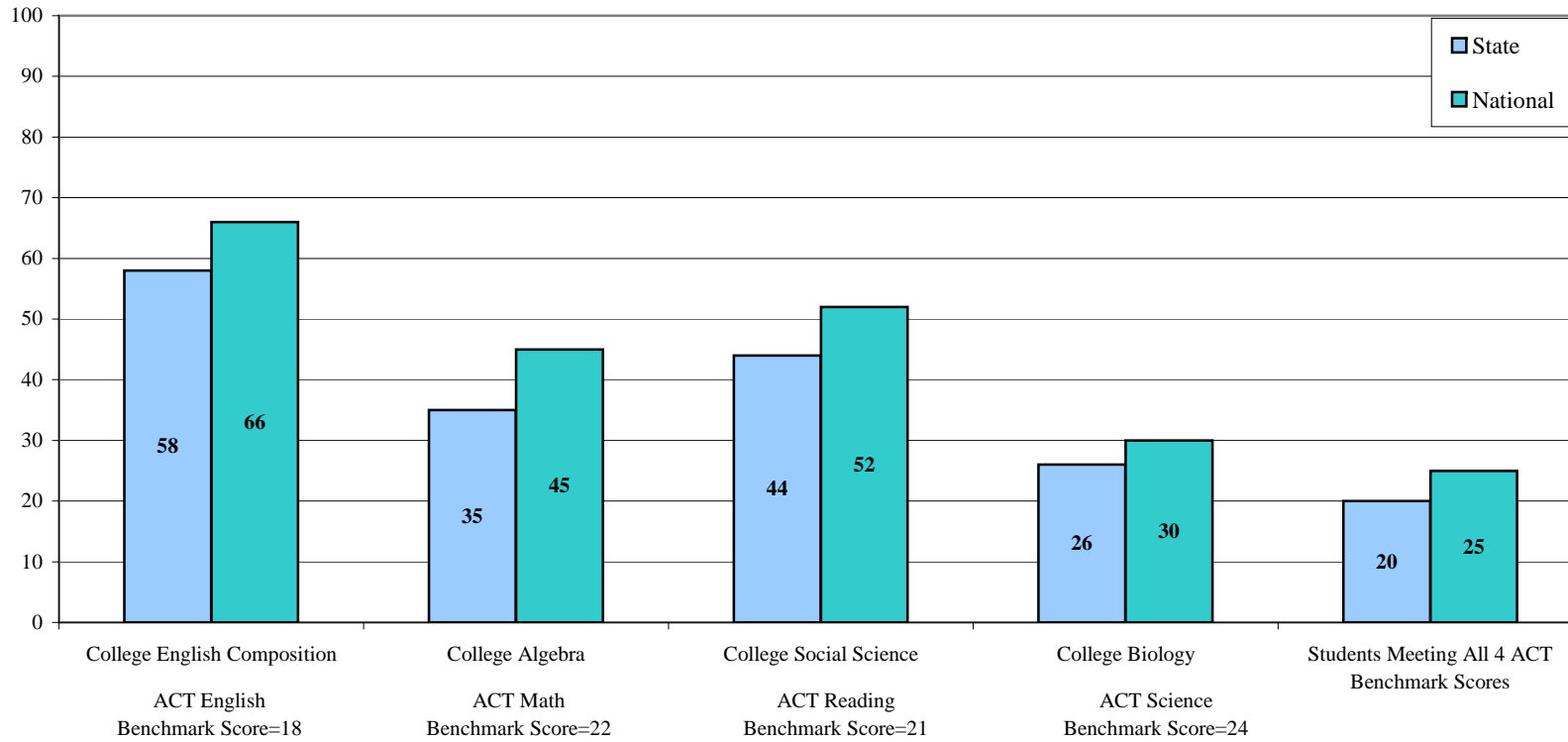
Section I

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: 116,823

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: 116,823

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	78,135	1,300,599	71	69	46	43	56	53	33	28	26	23
2008	123,918	1,421,941	55	68	31	43	41	53	23	28	17	22
2009	121,982	1,480,469	54	67	31	42	40	53	24	28	18	23
2010	120,930	1,568,835	56	66	33	43	40	52	25	29	19	24
2011	116,823	1,623,112	58	66	35	45	44	52	26	30	20	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	78,135	1,300,599	20.7	20.7	21.3	21.0	21.8	21.5	21.7	21.0	21.5	21.2
2008	123,918	1,421,941	18.7	20.6	19.5	21.0	19.8	21.4	19.9	20.8	19.6	21.1
2009	121,982	1,480,469	18.6	20.6	19.6	21.0	19.6	21.4	20.1	20.9	19.6	21.1
2010	120,930	1,568,835	18.9	20.5	19.7	21.0	19.7	21.3	19.9	20.9	19.7	21.0
2011	116,823	1,623,112	19.3	20.6	19.9	21.1	20.1	21.3	20.3	20.9	20.0	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: 116,823

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	38,703	30,454	50	39	21.9	19.2	22.5	19.8	22.8	20.6	22.6	20.5	22.6	20.1
2008	60,338	52,434	49	42	20.5	16.7	21.0	17.8	21.4	18.1	21.4	18.4	21.2	17.9
2009	66,446	49,183	54	40	20.6	16.4	21.2	17.8	21.4	17.8	21.5	18.5	21.3	17.8
2010	70,256	44,258	58	37	20.6	16.7	21.2	17.9	21.2	17.9	21.4	18.1	21.2	17.8
2011	88,122	21,346	75	18	20.1	16.7	20.6	18.0	20.8	18.1	21.0	18.3	20.8	17.9

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.

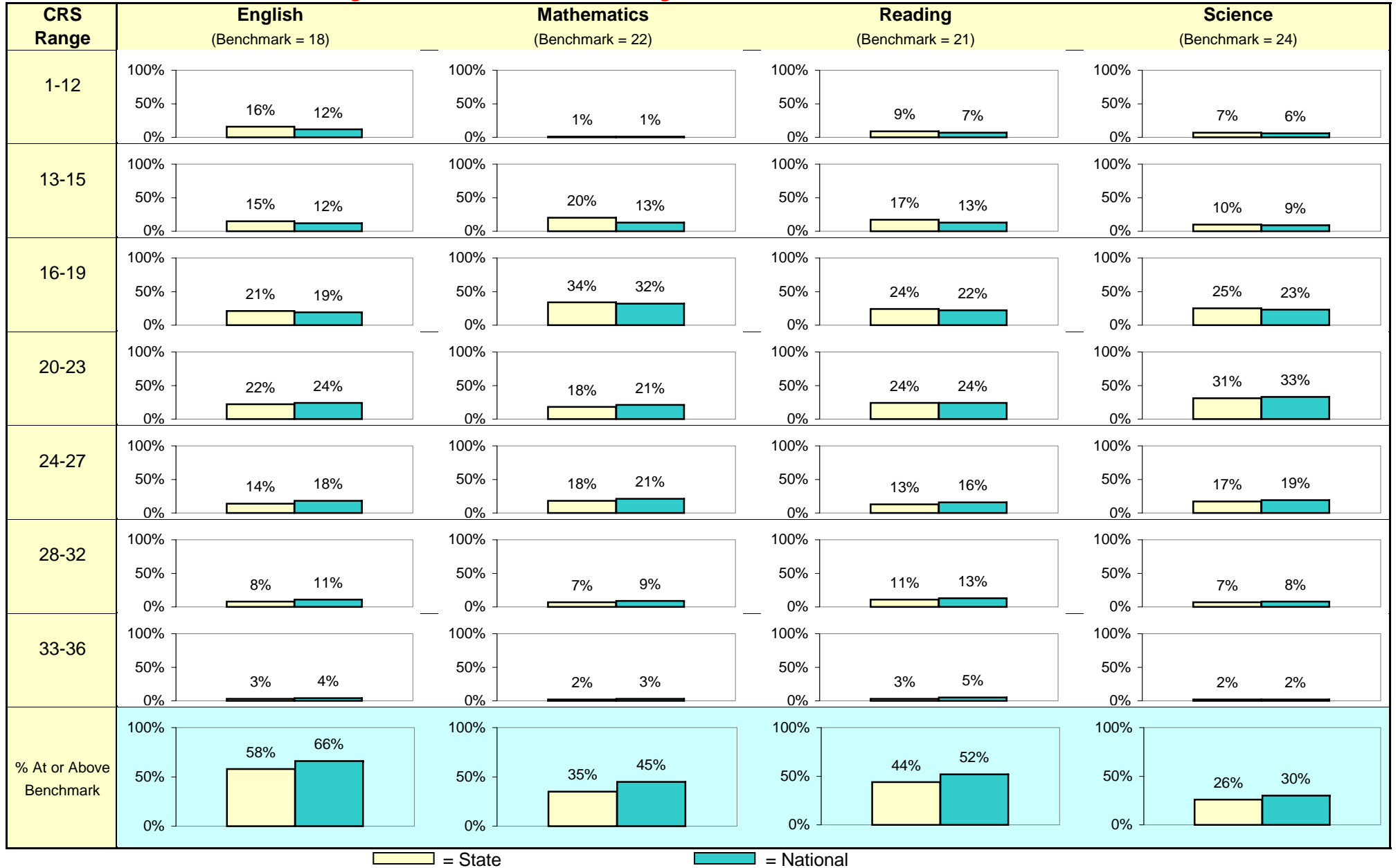
Table 1.5. Five Year Trends—Percent and Average Composite Score by Race/Ethnicity¹

	2007			2008			2009			2010			2011		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	78,135	100	21.5	123,918	100	19.6	121,982	100	19.6	120,930	100	19.7	116,823	100	20.0
Black/African American	9,285	12	16.9	16,952	14	15.8	17,430	14	15.6	17,793	15	15.8	16,685	14	15.9
American Indian/Alaska Native	500	1	20.4	1,068	1	17.8	1,033	1	17.8	1,024	1	17.8	1,008	1	18.0
White	52,309	67	22.2	82,209	66	20.4	81,436	67	20.6	80,204	66	20.7	77,846	67	21.1
Hispanic/Latino	1,901	2	19.8	4,065	3	17.6	4,203	3	17.5	4,384	4	17.7	4,684	4	18.2
Asian	1,935	2	23.5	2,700	2	22.5	2,690	2	22.8	2,847	2	23.1	2,891	2	23.3
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	0	0	.	16	0	20.0
Two or more races	1,444	2	20.6	2,729	2	18.9	3,023	2	18.8	3,860	3	18.7	3,986	3	19.2
Prefer not to respond/No response	10,761	14	22.1	14,195	11	19.5	12,167	10	18.8	10,818	9	18.8	9,707	8	19.1

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

Total Students in Report: 116,823

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: 116,823

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	339	100	289	100	495	100	270	100	43	100	36
35	946	100	554	100	868	100	324	100	211	100	35
34	1,021	99	857	99	688	99	575	99	476	100	34
33	1,194	98	754	99	1,670	98	958	99	762	99	33
32	1,355	97	1,255	98	1,985	97	506	98	1,037	99	32
31	1,620	96	972	97	2,199	95	1,088	98	1,521	98	31
30	1,633	94	1,182	96	2,982	93	1,656	97	1,934	97	30
29	2,072	93	2,304	95	2,559	91	1,982	95	2,347	95	29
28	2,839	91	2,300	93	2,893	88	3,185	94	2,858	93	28
27	2,777	89	3,635	91	3,115	86	3,007	91	3,592	90	27
26	3,614	86	4,615	88	3,300	83	3,927	88	4,207	87	26
25	5,262	83	5,145	84	3,852	81	6,796	85	4,970	84	25
24	5,216	79	7,378	80	4,847	77	5,865	79	5,714	79	24
23	4,500	74	4,266	73	6,425	73	8,774	74	6,217	75	23
22	6,922	71	5,506	70	4,997	68	5,350	67	7,036	69	22
21	7,469	65	5,465	65	8,165	63	9,583	62	7,473	63	21
20	7,197	58	5,944	60	8,116	56	13,082	54	8,018	57	20
19	6,739	52	6,364	55	5,628	49	6,032	43	7,959	50	19
18	4,867	46	7,035	50	8,338	45	9,582	38	8,542	43	18
17	5,166	42	9,936	44	5,371	37	4,997	29	8,295	36	17
16	7,242	38	16,905	35	8,129	33	8,655	25	8,078	29	16
15	8,991	32	12,955	21	8,047	26	4,669	18	7,344	22	15
14	4,696	24	7,037	10	5,192	19	3,946	14	6,740	16	14
13	4,132	20	3,212	4	6,763	15	3,595	10	5,833	10	13
12	5,197	16	518	1	5,460	9	2,873	7	3,675	5	12
11	3,770	12	327	1	2,155	4	3,506	5	1,478	2	11
10	4,166	9	64	1	1,256	2	1,123	2	339	1	10
9	2,958	5	24	1	683	1	493	1	76	1	9
8	1,554	3	7	1	340	1	260	1	31	1	8
7	935	1	7	1	187	1	90	1	12	1	7
6	320	1	7	1	24	1	51	1	3	1	6
5	75	1	0	1	67	1	6	1	1	1	5
4	25	1	1	1	16	1	11	1	1	1	4
3	6	1	0	1	1	1	4	1	0	1	3
2	4	1	0	1	8	1	0	1	0	1	2
1	4	1	3	1	2	1	2	1	0	1	1
Avg (SD)	19.3 (6.4)		19.9 (5.2)		20.1 (6.1)		20.3 (5.2)		20.0 (5.2)		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: 116,823

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	2,928	100	1,492	100	1,810	100	2,509	100	3,522	100	964	100	1,077	100	18
17	3,430	97	72	99	2,913	98	6,268	98	3,892	97	635	99	470	99	17
16	3,058	95	5,881	99	7,090	96	2,614	92	2,077	94	2,117	99	3,223	99	16
15	5,849	92	5,539	94	4,729	90	6,928	90	5,873	92	2,915	97	4,549	96	15
14	3,764	87	7,245	89	5,266	86	6,858	84	7,995	87	7,447	94	7,070	92	14
13	7,003	84	8,540	83	10,131	81	7,934	78	8,932	80	10,764	88	11,330	86	13
12	6,989	78	10,261	75	9,125	73	8,365	72	7,776	72	7,266	79	9,717	76	12
11	9,593	72	10,700	67	8,367	65	9,444	64	9,474	66	14,647	73	11,224	68	11
10	13,100	64	13,283	57	16,530	58	8,596	56	8,078	58	18,962	60	12,798	58	10
9	9,701	52	13,850	46	11,146	44	8,533	49	11,866	51	23,713	44	21,376	47	9
8	9,785	44	9,524	34	18,207	34	12,601	42	13,127	41	11,909	23	12,164	29	8
7	12,738	36	11,913	26	9,064	18	7,487	31	16,443	29	8,193	13	9,401	19	7
6	8,827	25	6,800	16	6,415	11	12,322	25	9,539	15	881	6	1,284	11	6
5	7,253	17	3,740	10	3,595	5	9,516	14	5,921	7	4,175	5	5,983	10	5
4	5,927	11	5,786	7	1,697	2	3,803	6	1,481	2	307	2	3,080	4	4
3	5,036	6	1,725	2	203	1	1,892	3	584	1	1,560	2	554	2	3
2	1,696	2	425	1	407	1	1,121	1	207	1	46	1	1,250	1	2
1	146	1	47	1	128	1	32	1	36	1	322	1	273	1	1
Avg (SD)	9.4 (3.9)		10.0 (3.4)		10.4 (3.3)		9.9 (4.0)		10.1 (3.6)		10.2 (2.7)		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)	24	24	24	24	24
Q2 (50th Percentile)	19	19	20	20	20
Q1 (25th Percentile)	15	16	15	16	16

Total Students in Report: 116,823

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	116,823	75	20.8	17.9
	Black/African American	16,685	68	16.5	14.7
	American Indian/Alaska Native	1,008	65	18.7	17.0
	White	77,846	78	21.7	19.0
	Hispanic/Latino	4,684	73	18.8	16.4
	Asian	2,891	81	24.2	19.9
	Native Hawaiian/Other Pac. Isl.	16	81	21.0	16.0
	Two or more races	3,986	72	19.9	17.7
	Prefer not/No Response	9,707	67	20.2	16.9
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	19.3	19.9	20.1	20.3	20.0
	Black/African American	14.6	16.1	15.8	16.4	15.9
	American Indian/Alaska Native	16.7	18.0	18.4	18.5	18.0
	White	20.5	20.9	21.2	21.3	21.1
	Hispanic/Latino	16.9	18.3	18.4	18.5	18.2
	Asian	22.5	24.6	22.4	23.3	23.3
	Native Hawaiian/Other Pac. Isl.	19.4	20.3	19.6	19.8	20.0
	Two or more races	18.5	18.8	19.6	19.5	19.2
	Prefer not/No Response	18.1	19.3	19.2	19.3	19.1
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: 116,823

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	3,500	3	2,454	2	3,721	3	2,127	2
	28 to 32	9,519	8	8,013	7	12,618	11	8,417	7
	24 to 27	16,869	14	20,773	18	15,114	13	19,595	17
	20 to 23	26,088	22	21,181	18	27,703	24	36,789	31
	16 to 19	24,014	21	40,240	34	27,466	24	29,266	25
	13 to 15	17,819	15	23,204	20	20,002	17	12,210	10
	01 to 12	19,014	16	958	1	10,199	9	8,419	7
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	56,248	48	18.8	20.4	19.9	20.6	20.0
	Females	59,259	51	19.8	19.6	20.3	20.0	20.1
	Missing	1,316	1	17.2	18.4	18.4	18.7	18.3
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	54	38	42	29	22
	Females	61	32	45	23	18
National	Males	64	49	51	34	28
	Females	69	41	53	26	22

Total Students in Report: 116,823

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	88,122	64	20.1	40	20.6	49	20.8	30	21.0	23	20.8
	Less than Core	21,346	41	16.7	19	18.0	29	18.1	14	18.3	10	17.9
	Missing ³	7,355	36	16.1	19	17.7	26	17.5	14	17.8	10	17.4
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	99,601	62	19.8	105,453	37	20.2	103,347	46	20.5	100,737	28	20.6
	Less than Core	10,997	35	15.9	4,920	6	16.1	6,816	21	16.8	9,292	15	18.3
	Missing ³	6,225	38	16.3	6,450	20	17.8	6,660	28	17.7	6,794	14	18.0
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.

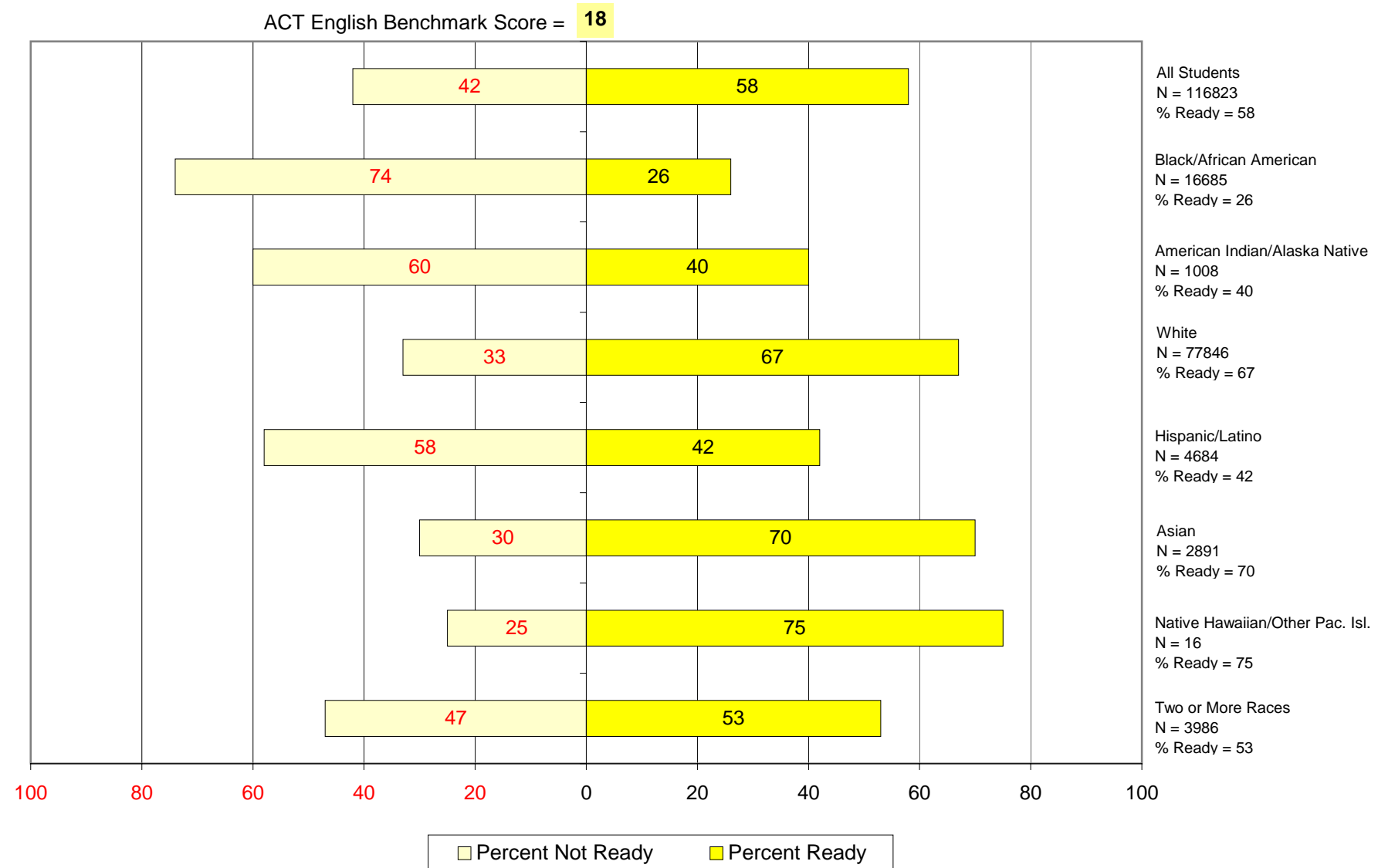
Section III

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: 116,823

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

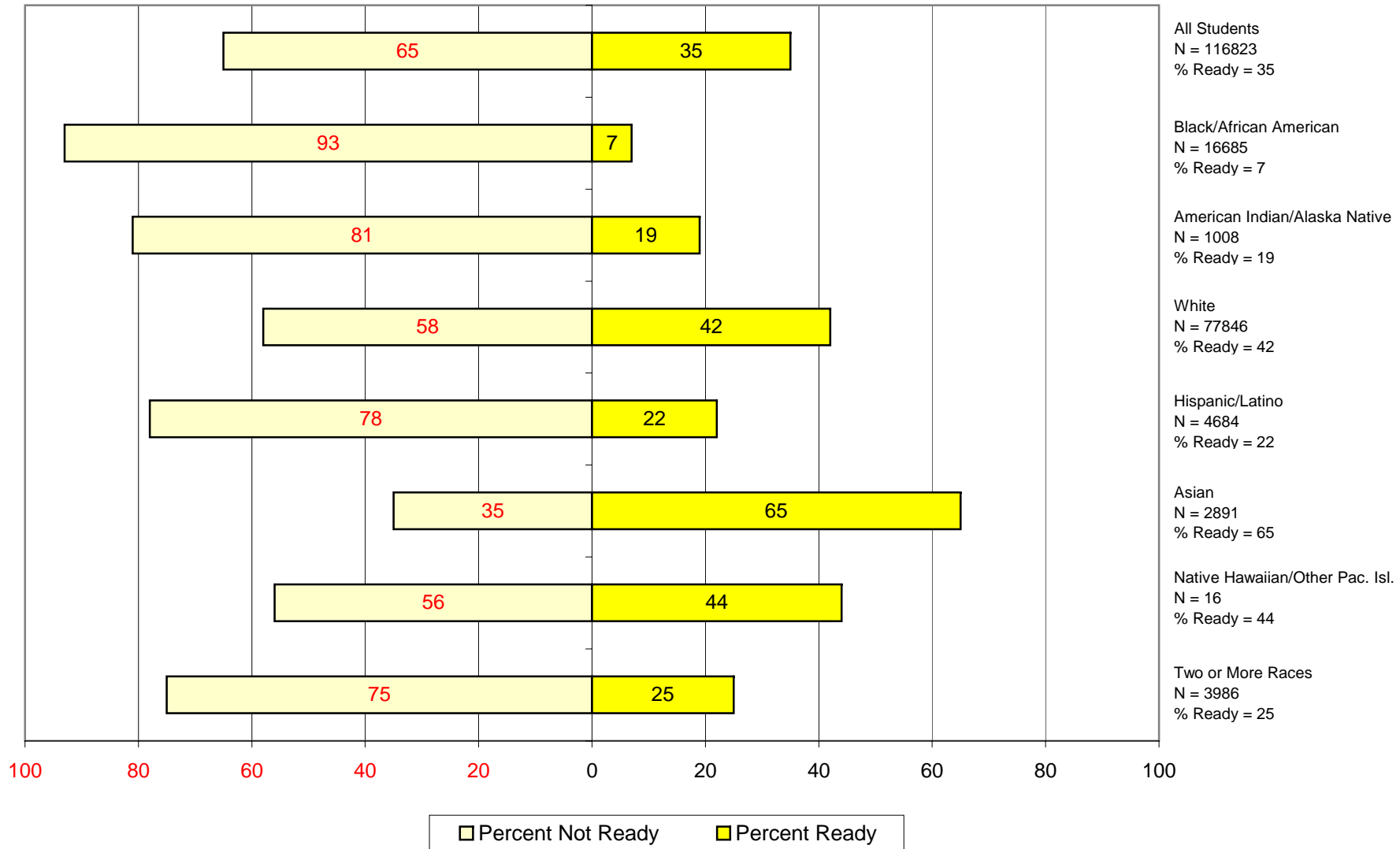


¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 116,823

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

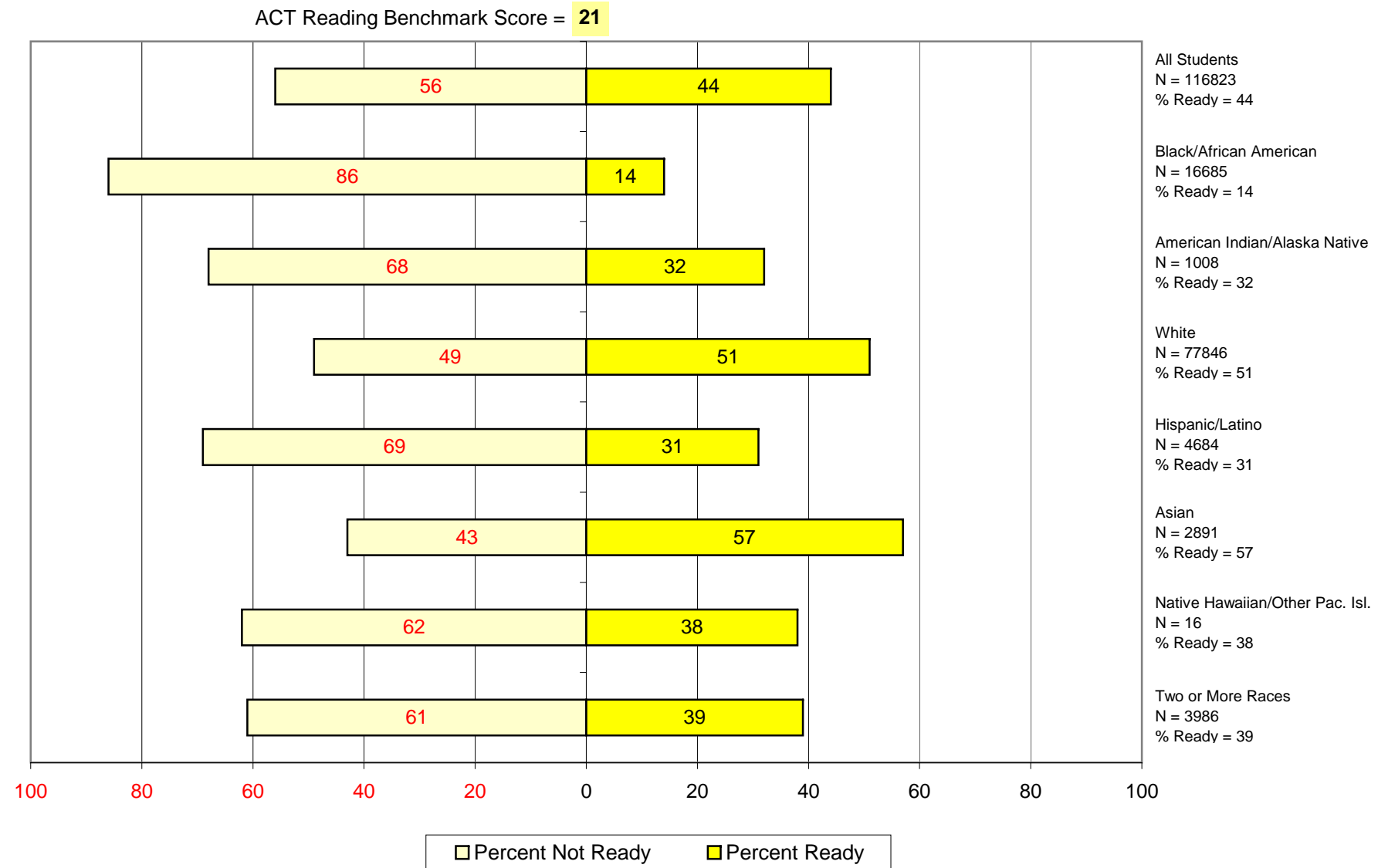
ACT Mathematics Benchmark Score = **22**



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

Total Students in Report: 116,823

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

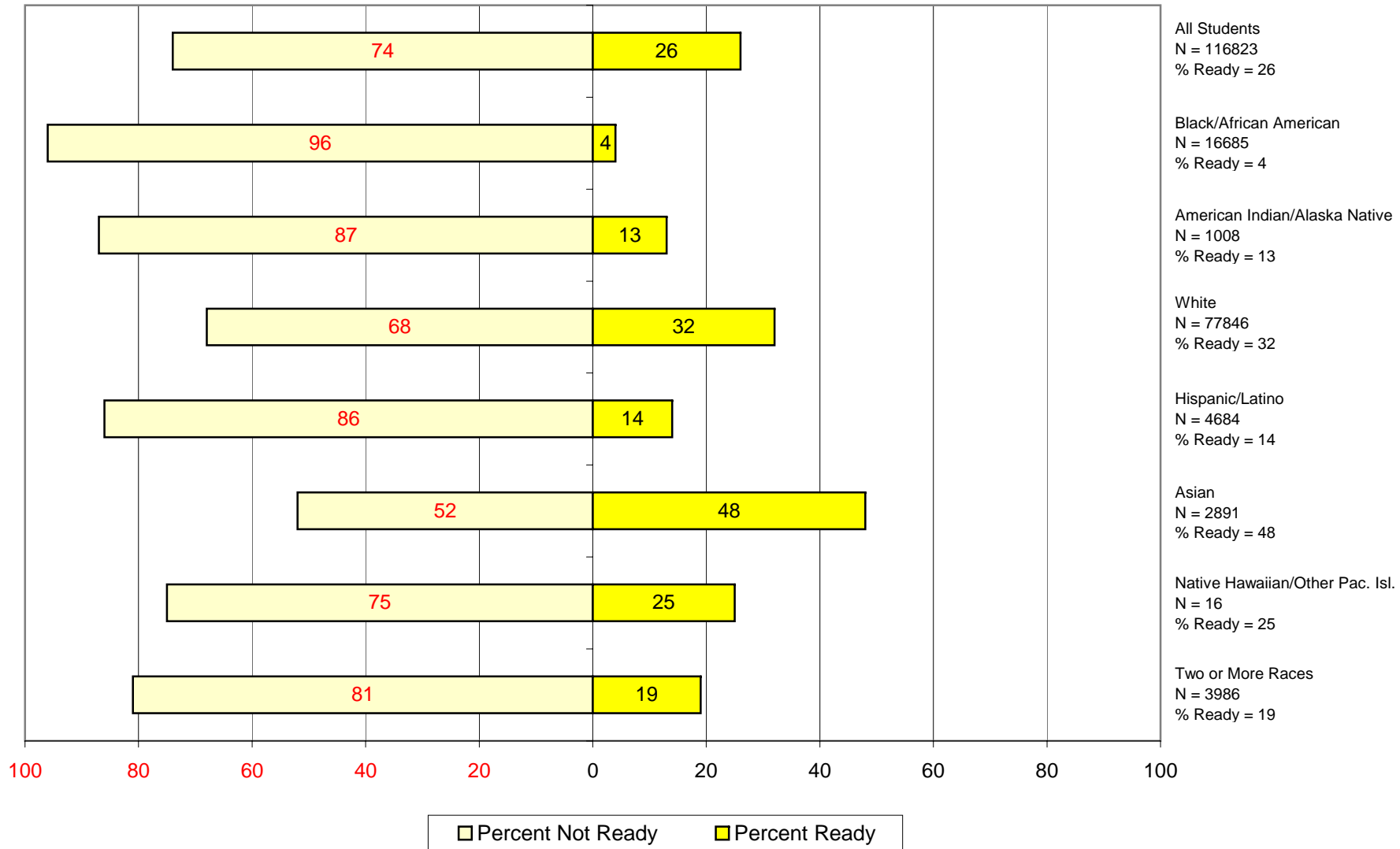


¹Refer to the section header on page 17 for a description of race/ethnicity changes.

Total Students in Report: 116,823

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

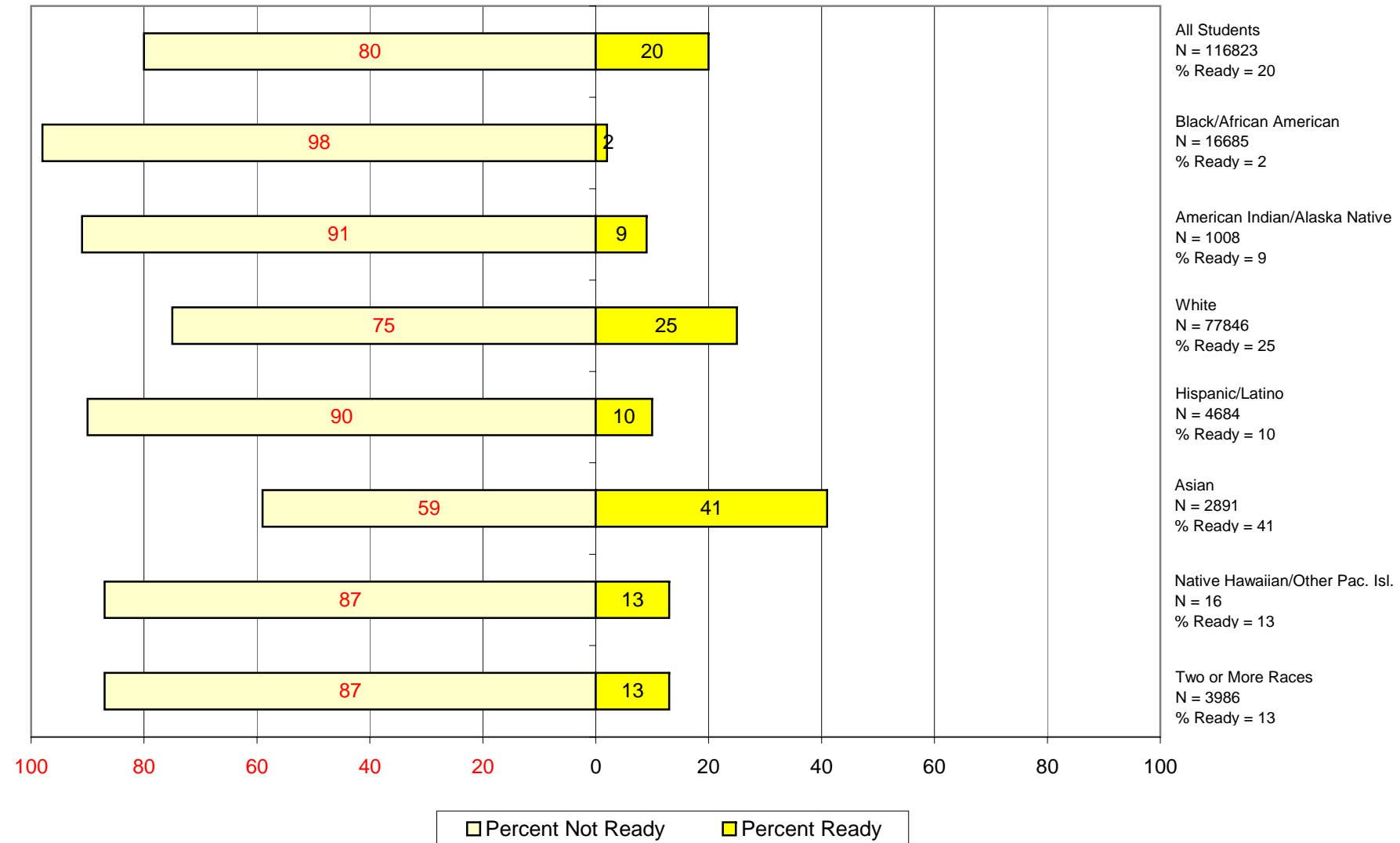
ACT Science Benchmark Score = **24**



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

Total Students in Report: 116,823

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: 116,823

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	26,746	23	21.4	5.5	11,005	20	20.8	5.3	15,529	26	21.9	5.5
Eng 9, Eng 10, Eng 11, Eng 12	72,855	62	19.2	3.3	36,273	64	18.9	3.4	35,884	61	19.6	3.2
Less than 4 years of English	10,997	9	15.9	-	5,814	10	15.5	-	4,976	8	16.4	-
Zero years / no English courses reported	6,225	5	16.3	-	3,156	6	15.6	-	2,870	5	17.0	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	6,622	6	22.7	6.6	3,135	6	23.5	7.3	3,427	6	22.0	6.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	9,232	8	21.7	5.6	3,801	7	22.2	6.0	5,370	9	21.4	5.4
Alg 1, Alg 2, Geom, & Trig	9,436	8	19.3	3.2	4,526	8	19.6	3.4	4,791	8	19.0	3.0
Alg 1, Alg 2, Geom, & Other Adv Math	19,142	16	19.4	3.3	8,119	14	19.8	3.6	10,826	18	19.1	3.1
Other comb of 4 or more years of Math	32,710	28	22.7	6.6	16,653	30	23.4	7.2	15,855	27	22.0	6.0
Alg 1, Alg 2, & Geom	20,965	18	17.0	0.9	10,504	19	17.2	1.0	10,158	17	16.7	0.7
Other comb of 3 or 3.5 years of Math	7,346	6	18.2	2.1	3,656	6	18.6	2.4	3,611	6	17.7	1.7
Less than 3 years of Math	4,920	4	16.1	-	2,577	5	16.2	-	2,249	4	16.0	-
Zero years / no Math courses reported	6,450	6	17.8	-	3,277	6	18.0	-	2,972	5	17.6	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	880	1	21.6	4.8	525	1	21.8	4.9	349	1	21.4	4.6
Other comb of 4 or more years Social Science	64,551	55	21.0	4.2	28,806	51	20.9	4.0	35,221	59	21.1	4.3
US Hist, World Hist, & Am Gov	2,701	2	18.4	1.6	1,535	3	18.3	1.4	1,122	2	18.5	1.7
Other comb of 3 or 3.5 years of Social Science	35,215	30	19.7	2.9	18,093	32	19.6	2.7	16,721	28	19.7	2.9
Less than 3 years of Social Science	6,816	6	16.8	-	3,893	7	16.9	-	2,789	5	16.8	-
Zero years / no Social Science courses reported	6,660	6	17.7	-	3,396	6	17.4	-	3,057	5	18.0	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	44,639	38	21.1	2.8	22,654	40	21.6	3.4	21,638	37	20.6	2.1
Bio, Chem, Phys	10,679	9	22.7	4.4	5,482	10	23.3	5.1	5,075	9	22.1	3.6
Gen Sci ² , Bio, Chem	38,938	33	19.7	1.4	16,529	29	19.7	1.5	22,002	37	19.8	1.3
Other comb of 3 years of Natural Science	6,481	6	19.1	0.8	3,571	6	19.5	1.3	2,834	5	18.8	0.3
Less than 3 years of Natural Science	9,292	8	18.3	-	4,556	8	18.2	-	4,582	8	18.5	-
Zero years / no Natural Science courses reported	6,794	6	18.0	-	3,456	6	17.9	-	3,128	5	18.0	-

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: 116,823

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	26,746	23	21.4	72	366,770	23	21.8	74
Eng 9, Eng 10, Eng 11, Eng 12	72,855	62	19.2	58	1,143,409	70	20.6	66
Less than 4 years of English	10,997	9	15.9	35	66,225	4	16.6	40
Zero years / no English courses reported	6,225	5	16.3	38	46,708	3	16.5	39
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	6,622	6	22.7	58	102,806	6	24.2	71
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	9,232	8	21.7	54	147,655	9	22.1	58
Alg 1, Alg 2, Geom, & Trig	9,436	8	19.3	30	115,939	7	19.7	34
Alg 1, Alg 2, Geom, & Other Adv Math	19,142	16	19.4	30	271,304	17	19.9	36
Other comb of 4 or more years of Math	32,710	28	22.7	57	539,241	33	23.8	66
Alg 1, Alg 2, & Geom	20,965	18	17.0	9	238,527	15	17.3	12
Other comb of 3 or 3.5 years of Math	7,346	6	18.2	20	78,953	5	19.9	35
Less than 3 years of Math	4,920	4	16.1	6	79,145	5	16.4	8
Zero years / no Math courses reported	6,450	6	17.8	20	49,542	3	18.1	21
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	880	1	21.6	52	47,284	3	22.5	59
Other comb of 4 or more years Social Science	64,551	55	21.0	50	845,170	52	21.9	56
US Hist, World Hist, & Am Gov	2,701	2	18.4	31	86,167	5	20.2	44
Other comb of 3 or 3.5 years of Social Science	35,215	30	19.7	40	445,631	27	21.1	51
Less than 3 years of Social Science	6,816	6	16.8	21	149,746	9	19.7	40
Zero years / no Social Science courses reported	6,660	6	17.7	28	49,114	3	17.9	28
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	44,639	38	21.1	33	686,167	42	22.1	39
Bio, Chem, Phys	10,679	9	22.7	43	160,020	10	23.1	46
Gen Sci ¹ , Bio, Chem	38,938	33	19.7	19	476,294	29	20.1	21
Other comb of 3 years of Natural Science	6,481	6	19.1	16	45,296	3	19.6	20
Less than 3 years of Natural Science	9,292	8	18.3	15	205,148	13	18.3	12
Zero years / no Natural Science courses reported	6,794	6	18.0	14	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: 116,823

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	1,725	1	18.2	435	3	16.3	1,172	1	19.1
Architecture	1,201	1	20.1	121	1	16.5	1,019	1	20.6
Area, Ethnic, & Multidisciplinary Studies	140	0	23.4	10	0	14.7	126	0	24.1
Arts: Visual & Performing	9,565	8	19.7	1,492	11	16.8	7,467	8	20.4
Business	10,039	9	20.0	1,014	8	15.7	8,614	10	20.6
Communications	2,584	2	20.6	235	2	16.3	2,244	3	21.1
Community, Family, & Personal Services	8,460	7	18.1	1,897	15	16.5	6,014	7	18.6
Computer Science & Mathematics	2,911	2	21.2	358	3	17.5	2,416	3	21.9
Education	6,325	5	20.6	322	2	15.9	5,806	6	21.0
Engineering	6,467	6	21.8	828	6	15.7	5,378	6	22.9
Engineering Technology & Drafting	3,139	3	20.0	542	4	16.0	2,463	3	21.0
English & Foreign Languages	1,375	1	23.1	100	1	18.2	1,204	1	23.7
Health Administration & Assisting	1,736	1	17.9	196	2	15.7	1,449	2	18.2
Health Sciences & Technologies	24,820	21	20.6	1,594	12	16.1	22,397	25	21.0
Philosophy, Religion, & Theology	520	0	22.1	36	0	19.1	452	1	22.4
Repair, Production, & Construction	2,536	2	17.3	1,257	10	16.7	1,086	1	18.1
Sciences: Biological & Physical	4,770	4	23.4	150	1	16.9	4,462	5	23.7
Social Sciences & Law	7,835	7	21.6	200	2	16.9	7,362	8	21.8
Undecided	9,134	8	20.5	1,163	9	16.3	6,996	8	21.4
No Response	11,492	10	16.7	1,004	8	14.4	1,549	2	16.8

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: 116,823

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	3,133	16.1	438	13.3	45	15.1	2,067	16.8	130	14.8
2-yr College Degree	9,842	16.3	1,558	13.7	128	15.9	6,327	17.1	534	15.2
Bachelors Degree	43,459	19.7	5,828	15.6	323	18.3	30,659	20.7	1,696	18.0
Graduate Study	16,349	22.4	1,915	17.2	94	20.4	11,604	23.5	486	20.8
Prof. Level Degree	29,890	22.0	4,485	17.5	221	20.3	18,916	23.1	1,167	20.3
Other	3,465	17.5	469	14.8	42	16.5	2,131	18.2	166	15.9
No Response	10,685	17.6	1,992	14.4	155	15.7	6,142	18.8	505	15.9

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	3,133	16.1	34	16.2	0	.	98	16.3	321	15.4
2-yr College Degree	9,842	16.3	92	15.6	0	.	338	16.1	865	15.7
Bachelors Degree	43,459	19.7	684	19.9	4	18.3	1,367	18.8	2,898	18.7
Graduate Study	16,349	22.4	481	24.2	1	23.0	517	20.9	1,251	21.1
Prof. Level Degree	29,890	22.0	1,349	26.2	9	21.6	1,127	20.8	2,616	21.4
Other	3,465	17.5	52	18.4	0	.	144	17.6	461	17.2
No Response	10,685	17.6	199	19.6	2	15.0	395	17.6	1,295	17.2

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

Total Students in Report: 116,823

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
MICHIGAN STATE UNIVERSITY	Michigan	28,482	10,381	18,101	2	10	21	28	24	13	1
CENTRAL MICHIGAN UNIVERSITY	Michigan	21,102	6,092	15,010	2	11	31	33	18	5	0
UNIVERSITY OF MICHIGAN-ANN ARBOR	Michigan	17,876	6,663	11,213	1	7	15	22	28	23	4
GRAND VALLEY STATE UNIVERSITY	Michigan	17,256	4,330	12,926	2	9	25	32	23	9	0
WESTERN MICHIGAN UNIVERSITY	Michigan	15,605	3,304	12,301	2	12	31	32	18	6	0
STATE-COLLEGE/NO REPORTS NOW	Iowa	12,389	12,389	0	9	25	31	20	9	5	1
FERRIS STATE UNIVERSITY	Michigan	10,760	3,156	7,604	3	15	35	29	14	4	0
EASTERN MICHIGAN UNIVERSITY	Michigan	10,360	2,755	7,605	5	20	33	26	11	4	0
WAYNE STATE UNIVERSITY	Michigan	10,261	2,736	7,525	7	22	30	23	12	5	1
OAKLAND UNIVERSITY	Michigan	7,758	1,863	5,895	3	14	30	30	17	6	0
SAGINAW VALLEY STATE UNIVERSITY	Michigan	6,485	1,652	4,833	3	17	35	27	14	4	0
GRAND RAPIDS COMMUNITY COLLEGE	Michigan	4,977	1,939	3,038	6	22	36	24	10	2	0
NORTHERN MICHIGAN UNIVERSITY	Michigan	4,339	1,333	3,006	1	10	30	34	18	6	0
MICHIGAN TECHNOLOGICAL UNIVERSITY	Michigan	3,698	998	2,700	2	10	22	25	23	16	2
UNIVERSITY OF MICHIGAN-DEARBORN	Michigan	3,531	815	2,716	3	13	26	30	19	8	1
NCAA ELIGIBILITY CENTER	Indiana	3,238	1,364	1,874	3	14	29	29	17	7	1
OAKLAND COMMUNITY COLLEGE	Michigan	3,100	922	2,178	7	27	36	22	6	1	0
MACOMB COMMUNITY COLLEGE	Michigan	2,936	1,178	1,758	9	27	37	20	5	1	0
UNIVERSITY OF MICHIGAN-FLINT	Michigan	2,646	653	1,993	3	15	30	29	17	6	0
LANSING COMMUNITY COLLEGE	Michigan	2,627	952	1,675	5	22	39	23	9	2	0
HENRY FORD COMMUNITY COLLEGE	Michigan	2,266	704	1,562	10	34	36	16	4	0	0
DELTA COLLEGE	Michigan	2,174	946	1,228	3	20	40	24	10	2	0
LAKE SUPERIOR STATE UNIVERSITY	Michigan	2,051	594	1,457	2	12	34	31	17	5	0
UNIVERSITY OF DETROIT MERCY	Michigan	2,022	372	1,650	6	20	28	24	14	6	1
HOPE COLLEGE	Michigan	1,984	474	1,510	1	5	15	24	31	21	3
DAVENPORT UNIVERSITY	Michigan	1,980	459	1,521	5	23	35	24	11	2	0
KALAMAZOO VALLEY COMMUNITY COLLEGE	Michigan	1,973	661	1,312	5	24	40	23	8	1	0
SCHOOLCRAFT COLLEGE	Michigan	1,899	668	1,231	5	23	38	25	7	2	0
STATE-NO COLLEGE PLANS	Iowa	1,818	1,818	0	19	38	29	10	3	0	0
MICHIGAN HIGHER EDUC ASST AUTHORITY	Michigan	1,715	933	782	6	15	26	25	17	9	1
All Other Institutions		113,170	28,880	84,290	5	18	28	22	15	9	2
Total		322,478	101,984	220,494	4	16	28	26	16	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: 116,823

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	102,312	905,035	19.0	21.5	6.6	7.1	18.5	20.8
Black/African American	14,569	112,251	14.5	16.7	5.8	6.3	14.4	16.5
American Indian/Alaska Native	938	5,519	16.5	18.4	6.0	6.5	16.1	18.0
White	67,439	522,234	20.2	23.2	6.8	7.3	19.6	22.2
Hispanic/Latino	4,126	128,599	16.6	18.4	6.4	6.8	16.5	18.2
Asian	2,566	51,829	22.8	23.8	7.3	7.6	21.9	22.9
Native Hawaiian/Other Pac. Isl.	10	1,332	21.3	19.7	8.0	7.2	21.4	19.5
Two or more races	3,665	27,722	18.4	21.6	6.5	7.0	17.9	20.8
Prefer not/No Response	8,999	55,549	18.0	21.3	6.4	7.0	17.5	20.5
Males	49,819	399,206	18.5	21.3	6.3	6.8	17.9	20.3
Females	51,181	503,699	19.5	21.8	6.9	7.3	19.2	21.1
Missing	1,312	2,130	17.2	17.6	6.2	6.2	16.8	17.1

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

