

ACT Profile Report - State

Graduating Class 2013
New Hampshire



ACT, INC. -- CONFIDENTIAL



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This report provides information about the performance of your 2013 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 2013. Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included in the report.

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 who met or exceeded 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, updated for 2013, are:

College Course/Course Area	ACT Test	Benchmark Score
English Composition	English	18
Algebra	Mathematics	22
Social Sciences	Reading	22
Biology	Science	23

For more information, go to www.act.org

How to Improve Scores and Increase College Readiness

43% 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: 2,987 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. 78% 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 1% of the cohort took less than three years of math courses. Of these students, 19% were college ready. 6% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 14% of these students were college ready. In comparison, 72% 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 4% of the cohort took less than three years of natural science courses. 19% of these students were college ready. In comparison, 57% 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 25% 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 ACT Customer Service at 319-337-1309 or customerservices@act.org.

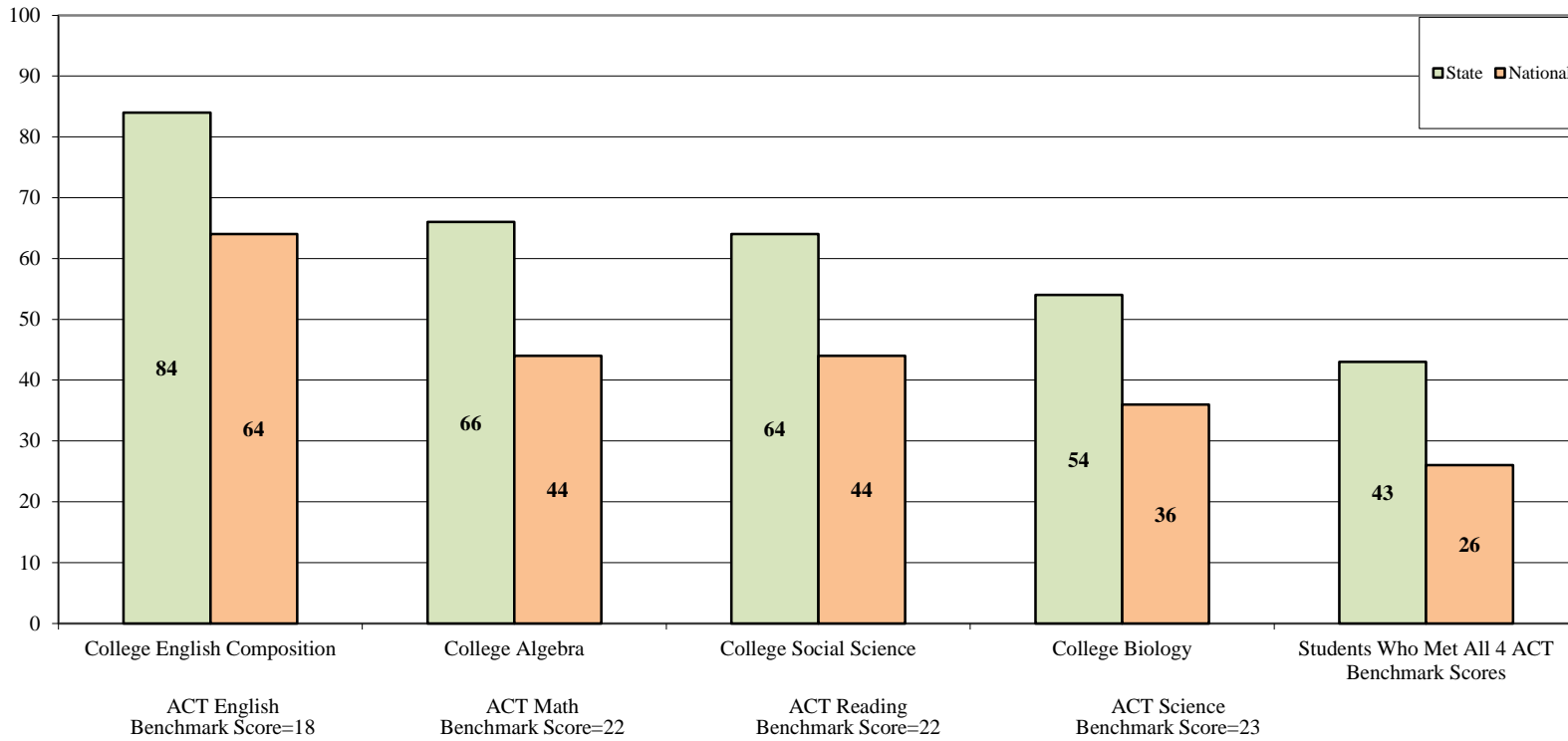
Section I

Executive Summary

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included. Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

To find the results of only standard time or extended time test takers, refer to Tables 1.7 and 1.8 on page 10.

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: 2,987

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

Year	Number of Students Tested		Percent Who Met Benchmarks									
			English		Mathematics		Reading		Science		Met All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2009	2,469	1,480,469	84	67	63	42	72	53	40	28	36	23
2010	2,685	1,568,835	85	66	65	43	70	52	45	29	40	24
2011	2,884	1,623,112	85	66	66	45	71	52	43	30	38	25
2012	2,979	1,666,017	85	67	68	46	73	52	49	31	42	25
2013	2,987	1,799,243	84	64	66	44	64	44	54	36	43	26

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
2009	2,469	1,480,469	23.3	20.6	23.4	21.0	24.1	21.4	22.6	20.9	23.5	21.1
2010	2,685	1,568,835	23.6	20.5	23.5	21.0	24.1	21.3	22.9	20.9	23.7	21.0
2011	2,884	1,623,112	23.7	20.6	23.7	21.1	24.1	21.3	23.0	20.9	23.7	21.1
2012	2,979	1,666,017	23.6	20.5	23.7	21.1	24.2	21.3	23.3	20.9	23.8	21.1
2013	2,987	1,799,243	23.6	20.2	23.6	20.9	24.2	21.1	23.2	20.7	23.8	20.9

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2012	1,666,017	20.5	21.1	21.3	20.9	21.1
2013	1,799,243	20.2	20.9	21.1	20.7	20.9

Total Students in Report: 2,987

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
2009	1,899	457	77	19	23.6	22.8	23.7	22.9	24.4	23.7	22.9	22.0	23.8	23.0
2010	2,148	433	80	16	23.9	23.1	23.8	22.6	24.3	23.6	23.2	22.2	23.9	23.0
2011	2,245	503	78	17	24.1	22.9	24.0	22.8	24.5	23.4	23.3	22.1	24.1	22.9
2012	2,378	466	80	16	23.9	22.7	23.9	23.2	24.6	23.2	23.5	22.6	24.1	23.0
2013	2,331	472	78	16	23.9	22.9	23.8	23.2	24.5	23.6	23.5	22.6	24.1	23.2

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

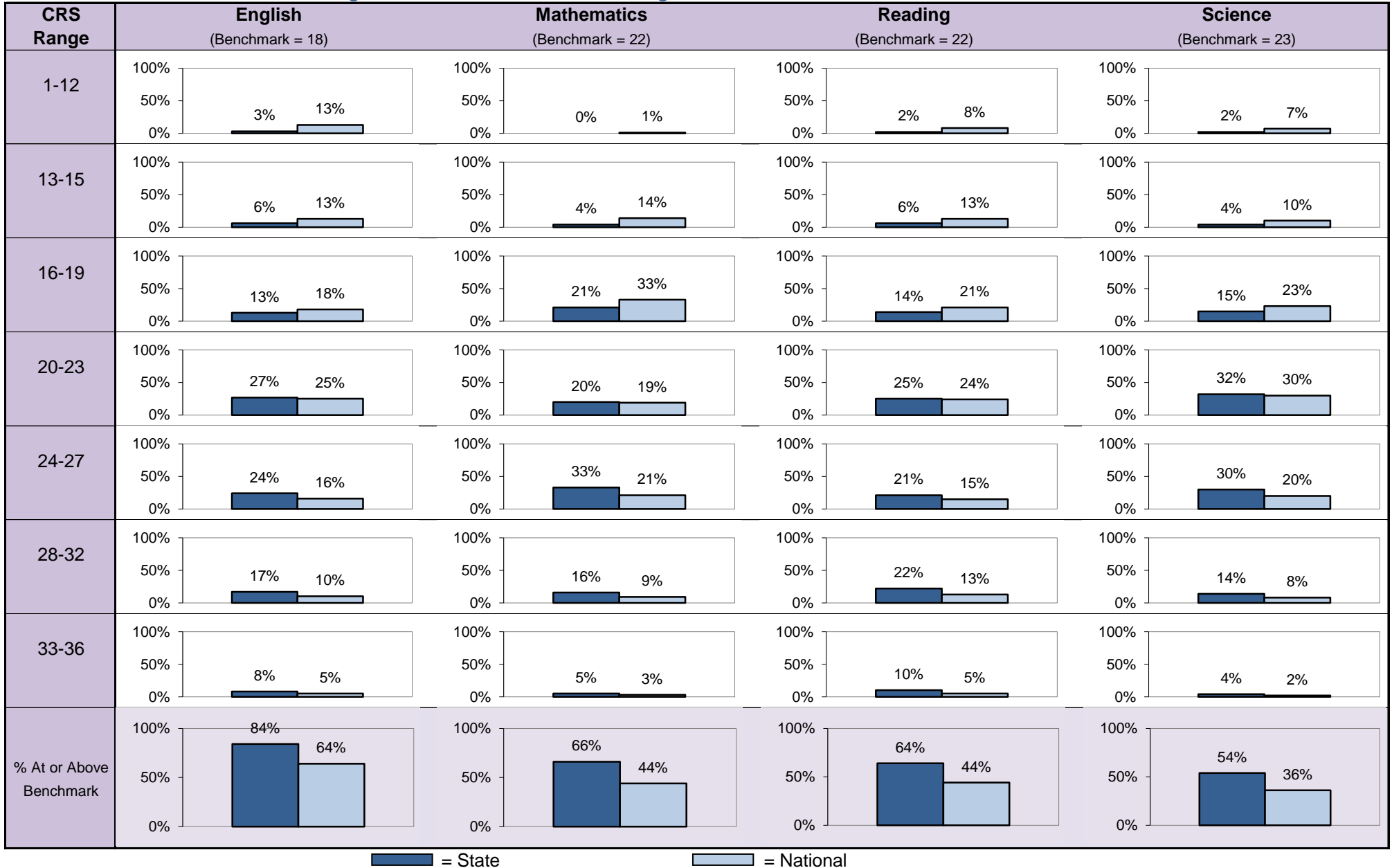
²Percent of all students tested. Numbers will not add up to 100% due to student non-response.

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

	2009			2010			2011			2012			2013		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	2,469	100	23.5	2,685	100	23.7	2,884	100	23.7	2,979	100	23.8	2,987	100	23.8
Black/African American	51	2	20.2	42	2	20.2	43	1	20.8	45	2	20.8	64	2	22.0
American Indian/Alaska Native	7	0	23.7	7	0	26.1	12	0	21.1	6	0	23.5	6	0	23.8
White	2,021	82	23.4	2,244	84	23.6	2,357	82	23.8	2,422	81	23.8	2,360	79	23.7
Hispanic/Latino	41	2	22.5	65	2	22.5	89	3	23.2	101	3	23.6	102	3	24.1
Asian	61	2	25.7	84	3	25.8	101	4	24.6	135	5	24.8	151	5	24.5
Native Hawaiian/Other Pacific Islander	0	0	.	0	0	.	0	0	.	2	0	21.0	3	0	20.0
Two or more races	47	2	24.2	45	2	24.6	60	2	23.6	45	2	24.4	71	2	24.7
Prefer not to respond/No response	241	10	24.4	198	7	24.1	222	8	23.9	223	7	24.7	230	8	24.3

Total Students in Report: 2,987

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



Total Students in Report: 2,987

Table 1.7. Average ACT College Reportable Scores by Test Session Duration

Student Group	Test Session Duration	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Standard Time	2,876	96	23.6	23.7	24.2	23.2	23.8
	Extended Time	111	4	22.3	22.2	24.8	23.0	23.2
	Total	2,987	100	23.6	23.6	24.2	23.2	23.8
National	Standard Time	1,727,041	96	20.4	21.0	21.3	20.9	21.0
	Extended Time	72,202	4	15.9	17.7	18.1	17.9	17.5
	Total	1,799,243	100	20.2	20.9	21.1	20.7	20.9

Table 1.8. Percent of Students Who Met College Readiness Benchmark Scores by Test Session Duration

Student Group	Test Session Duration	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Standard Time	85	67	64	54	44
	Extended Time	77	59	64	51	41
	Total	84	66	64	54	43
National	Standard Time	65	45	45	37	27
	Extended Time	35	20	28	20	13
	Total	64	44	44	36	26

Section II

Academic Achievement

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 2,987

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	13	100	13	100	48	100	29	100	4	100	36
35	58	100	36	100	43	98	27	99	14	100	35
34	78	98	68	98	82	97	27	98	28	99	34
33	102	95	43	96	111	94	23	97	57	98	33
32	75	92	60	95	120	90	56	96	68	97	32
31	92	89	40	93	184	86	64	95	100	94	31
30	111	86	89	91	119	80	86	92	126	91	30
29	98	82	95	88	121	76	96	90	134	87	29
28	142	79	190	85	125	72	111	86	160	82	28
27	104	74	236	79	106	68	155	83	195	77	27
26	172	71	278	71	155	65	184	77	208	70	26
25	201	65	247	62	143	59	291	71	236	63	25
24	246	58	233	53	224	55	276	62	241	55	24
23	209	50	199	45	153	47	193	52	213	47	23
22	192	43	156	39	188	42	292	46	227	40	22
21	235	37	149	34	203	36	288	36	185	33	21
20	184	29	92	29	198	29	178	26	194	26	20
19	110	23	131	26	127	22	175	20	151	20	19
18	95	19	146	21	120	18	127	15	123	15	18
17	87	16	188	16	91	14	84	10	106	11	17
16	101	13	162	10	90	11	62	8	85	7	16
15	91	9	92	5	71	8	38	5	58	4	15
14	71	6	34	1	49	6	40	4	33	2	14
13	28	4	6	1	57	4	32	3	32	1	13
12	33	3	3	1	36	2	16	2	7	1	12
11	27	2	0	1	13	1	18	1	2	1	11
10	14	1	0	1	7	1	8	1	0	1	10
9	5	1	1	1	1	1	7	1	0	1	9
8	7	1	0	1	0	1	3	1	0	1	8
7	4	1	0	1	2	1	1	1	0	1	7
6	1	1	0	1	0	1	0	1	0	1	6
5	1	1	0	1	0	1	0	1	0	1	5
4	0	1	0	1	0	1	0	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	23.6 (5.8)		23.6 (5.1)		24.2 (6.0)		23.2 (4.9)		23.8 (4.8)		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.

Table 2.2. ACT Subscore Distributions, Cumulative Percentages (CP¹), and Subscore 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	159	100	97	100	149	100	196	100	208	100	28	100	63	100	18
17	274	95	54	97	249	95	253	93	240	93	70	99	20	98	17
16	201	86	261	95	269	87	285	85	241	85	100	97	200	97	16
15	206	79	290	86	245	78	307	75	335	77	304	93	272	91	15
14	248	72	309	76	198	69	284	65	270	66	340	83	370	81	14
13	228	64	330	66	301	63	250	56	335	57	487	72	336	69	13
12	291	56	468	55	371	53	242	47	297	45	345	56	505	58	12
11	340	46	296	39	315	40	283	39	302	36	358	44	298	41	11
10	301	35	274	30	245	30	222	30	188	25	363	32	252	31	10
9	230	25	253	20	210	22	148	22	162	19	215	20	349	22	9
8	165	17	142	12	163	15	202	17	184	14	180	13	146	11	8
7	135	12	90	7	160	9	116	11	158	8	85	7	94	6	7
6	94	7	49	4	77	4	81	7	40	2	61	4	52	3	6
5	63	4	44	2	21	1	86	4	19	1	27	2	5	1	5
4	27	2	21	1	9	1	20	1	5	1	9	1	12	1	4
3	15	1	7	1	3	1	5	1	3	1	5	1	5	1	3
2	9	1	2	1	2	1	5	1	0	1	3	1	6	1	2
1	1	1	0	1	0	1	2	1	0	1	7	1	2	1	1
Avg (SD)	12.0 (3.6)		12.1 (3.0)		12.3 (3.3)		12.5 (3.6)		12.7 (3.3)		11.8 (2.8)		11.9 (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)	28	27	29	26	27
Q2 (50th Percentile)	23	24	24	23	24
Q1 (25th Percentile)	20	19	20	20	20

Total Students in Report: 2,987

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

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More ¹	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	2,987	78	24.1	23.2
	Black/African American	64	58	21.8	23.3
	American Indian/Alaska Native	6	83	22.2	32.0
	White	2,360	81	23.9	22.8
	Hispanic/Latino	102	75	24.6	23.4
	Asian	151	60	25.3	24.4
	Native Hawaiian/Other Pac. Isl.	3	67	20.0	20.0
	Two or more races	71	85	25.1	22.8
	Prefer not/No Response	230	61	25.0	25.4
National	All Students	1,799,243	74	21.7	18.7
	Black/African American	239,598	69	17.5	15.6
	American Indian/Alaska Native	14,217	62	19.1	16.5
	White	1,034,712	76	22.9	20.0
	Hispanic/Latino	259,741	72	19.5	17.2
	Asian	71,677	81	24.1	21.5
	Native Hawaiian/Other Pac. Isl.	4,772	71	20.5	17.5
	Two or more races	64,221	74	21.9	19.2
	Prefer not/No Response	110,305	58	22.4	18.4

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.

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	23.6	23.6	24.2	23.2	23.8
	Black/African American	21.8	21.5	22.6	21.4	22.0
	American Indian/Alaska Native	25.5	23.5	24.7	21.3	23.8
	White	23.5	23.4	24.2	23.2	23.7
	Hispanic/Latino	23.6	23.7	25.2	23.4	24.1
	Asian	23.1	27.5	23.2	23.9	24.5
	Native Hawaiian/Other Pac. Isl.	20.3	20.7	22.3	17.3	20.0
	Two or more races	24.7	24.4	25.2	24.2	24.7
	Prefer not/No Response	24.3	24.0	24.8	23.7	24.3
National	All Students	20.2	20.9	21.1	20.7	20.9
	Black/African American	15.7	17.2	17.0	16.9	16.9
	American Indian/Alaska Native	16.6	18.2	18.3	18.3	18.0
	White	21.8	21.9	22.6	22.0	22.2
	Hispanic/Latino	17.7	19.3	18.9	18.8	18.8
	Asian	22.5	25.0	22.9	23.1	23.5
	Native Hawaiian/Other Pac. Isl.	18.6	20.1	19.5	19.5	19.5
	Two or more races	20.6	20.9	21.6	20.9	21.1
	Prefer not/No Response	20.0	20.8	21.0	20.5	20.7

Total Students in Report: 2,987

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	251	8	160	5	284	10	106	4
	28 to 32	518	17	474	16	669	22	413	14
	24 to 27	723	24	994	33	628	21	906	30
	20 to 23	820	27	596	20	742	25	951	32
	16 to 19	393	13	627	21	428	14	448	15
	13 to 15	190	6	132	4	177	6	110	4
	01 to 12	92	3	4	0	59	2	53	2
National	33 to 36	81,846	5	51,648	3	89,731	5	36,033	2
	28 to 32	175,672	10	156,561	9	239,643	13	138,865	8
	24 to 27	291,095	16	385,102	21	277,723	15	364,600	20
	20 to 23	447,398	25	343,822	19	424,936	24	542,531	30
	16 to 19	327,718	18	590,816	33	384,706	21	413,107	23
	13 to 15	242,064	13	258,384	14	240,069	13	183,840	10
	01 to 12	233,450	13	12,910	1	142,435	8	120,267	7

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	1,357	45	22.8	24.1	23.7	23.5	23.6
	Females	1,628	55	24.2	23.2	24.6	23.0	23.9
	Missing	2	0	22.0	19.5	19.0	23.0	21.0
National	Males	835,431	46	19.8	21.4	20.9	21.2	20.9
	Females	954,919	53	20.6	20.5	21.4	20.4	20.9
	Missing	8,893	0	16.1	18.2	17.6	17.7	17.5

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

Student Group	Gender	Percent of Students				Met All Four
		English	Mathematics	Reading	Science	
State	Males	81	69	61	56	45
	Females	87	64	67	52	43
National	Males	62	47	43	40	29
	Females	67	41	45	33	24

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	2,331	87	23.9	69	23.8	67	24.5	57	23.5	46	24.1
	Less than Core	472	77	22.9	61	23.2	60	23.6	48	22.6	38	23.2
	Missing ³	184	67	20.8	52	22.2	46	21.7	35	21.2	28	21.6
National	Core or More	1,322,739	71	21.2	50	21.7	50	22.0	42	21.5	31	21.7
	Less than Core	396,592	48	17.8	27	18.9	30	19.0	22	18.8	14	18.7
	Missing	79,912	36	16.0	19	17.8	24	17.5	17	17.7	10	17.4

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 met 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	2,751	86	23.8	2,772	68	23.8	2,469	65	24.3	2,705	57	23.5
	Less than Core	58	67	21.0	37	19	17.8	335	69	25.0	105	19	19.0
	Missing ³	178	66	20.5	178	50	21.9	183	46	21.8	177	34	21.1
National	Core or More	1,646,286	67	20.6	1,648,697	46	21.3	1,554,990	46	21.5	1,506,965	40	21.3
	Less than Core	84,048	36	15.9	77,906	7	16.3	171,617	32	19.1	218,267	17	18.0
	Missing	68,909	38	16.4	72,640	20	17.9	72,636	25	17.7	74,011	18	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

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

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

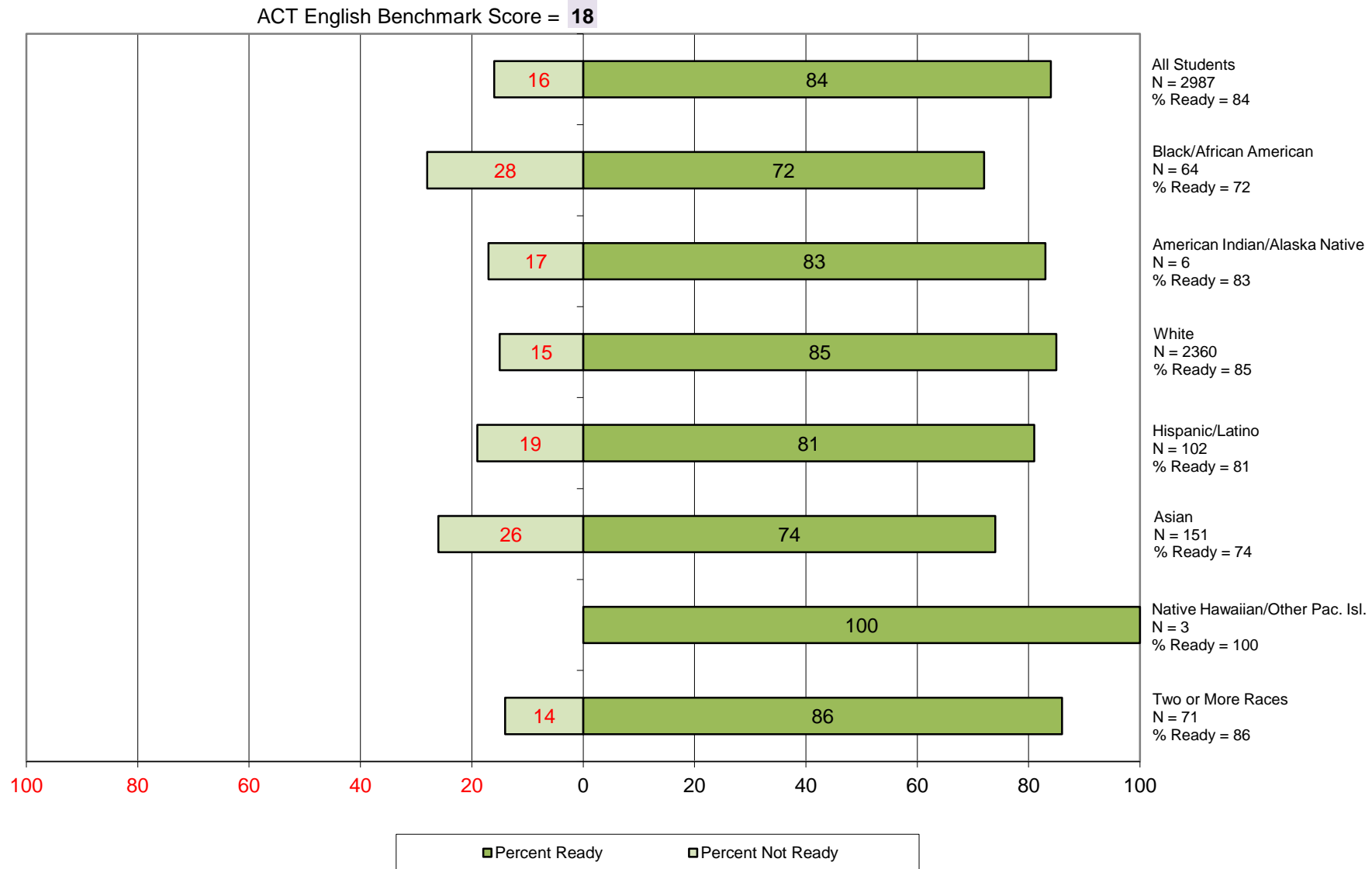


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

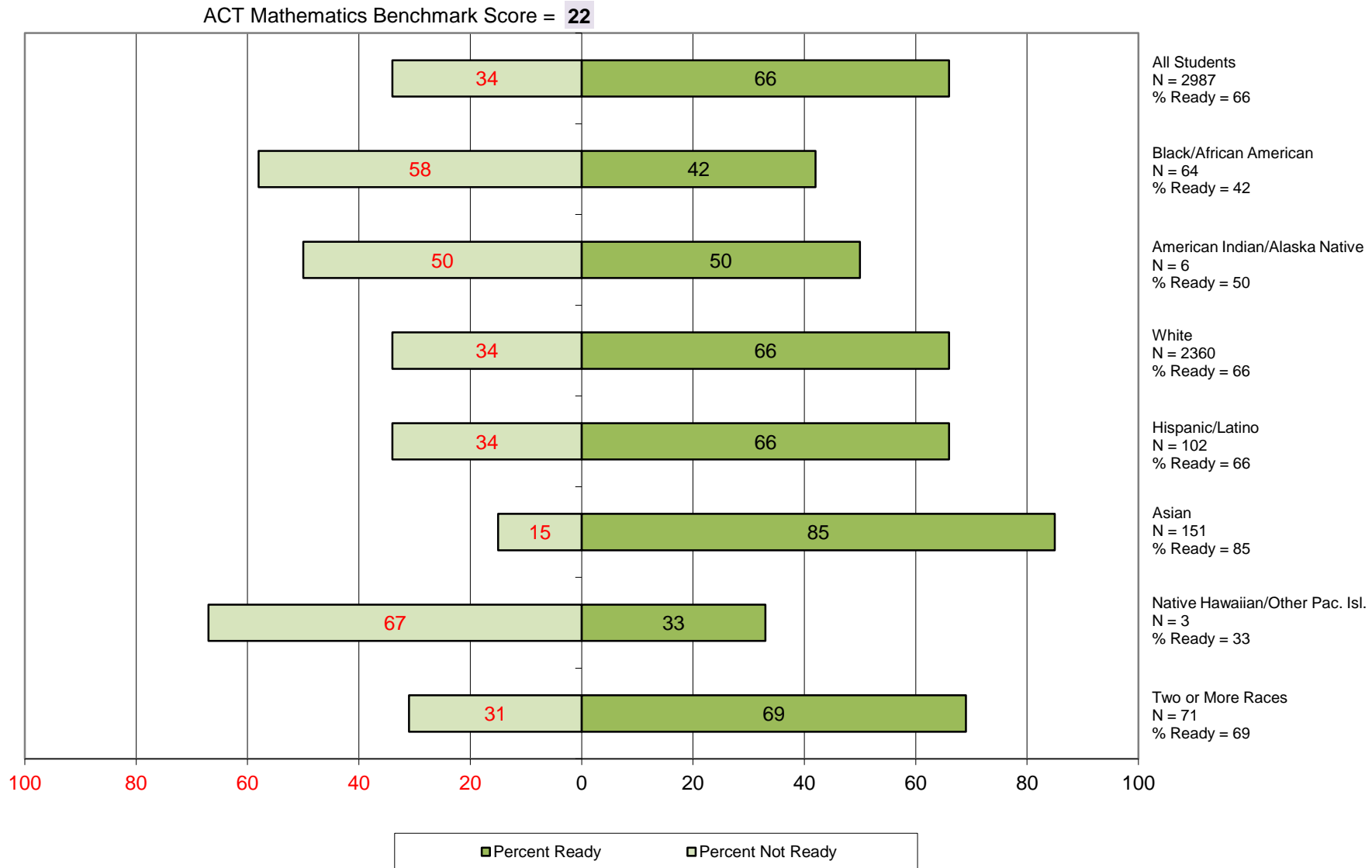


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

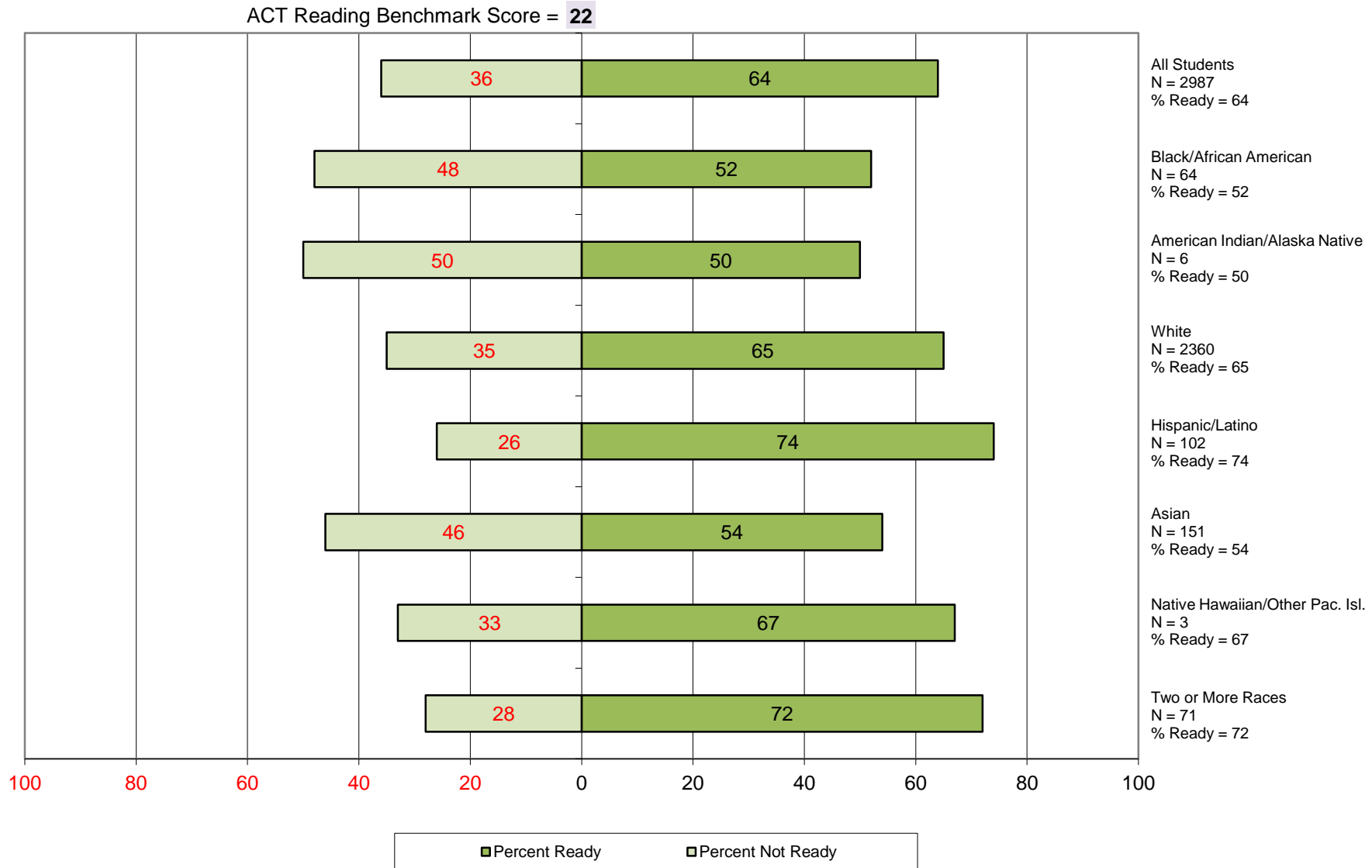


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

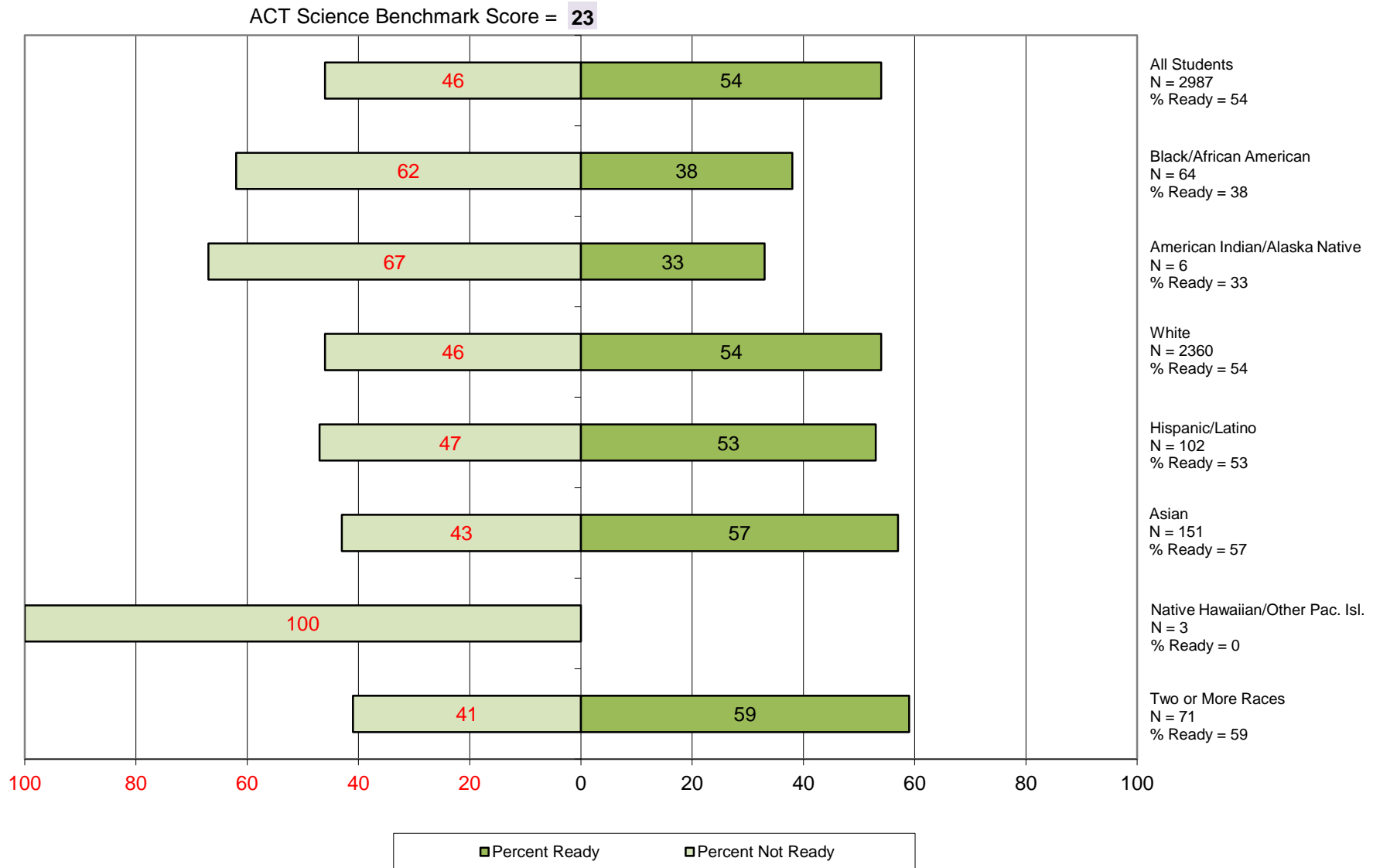
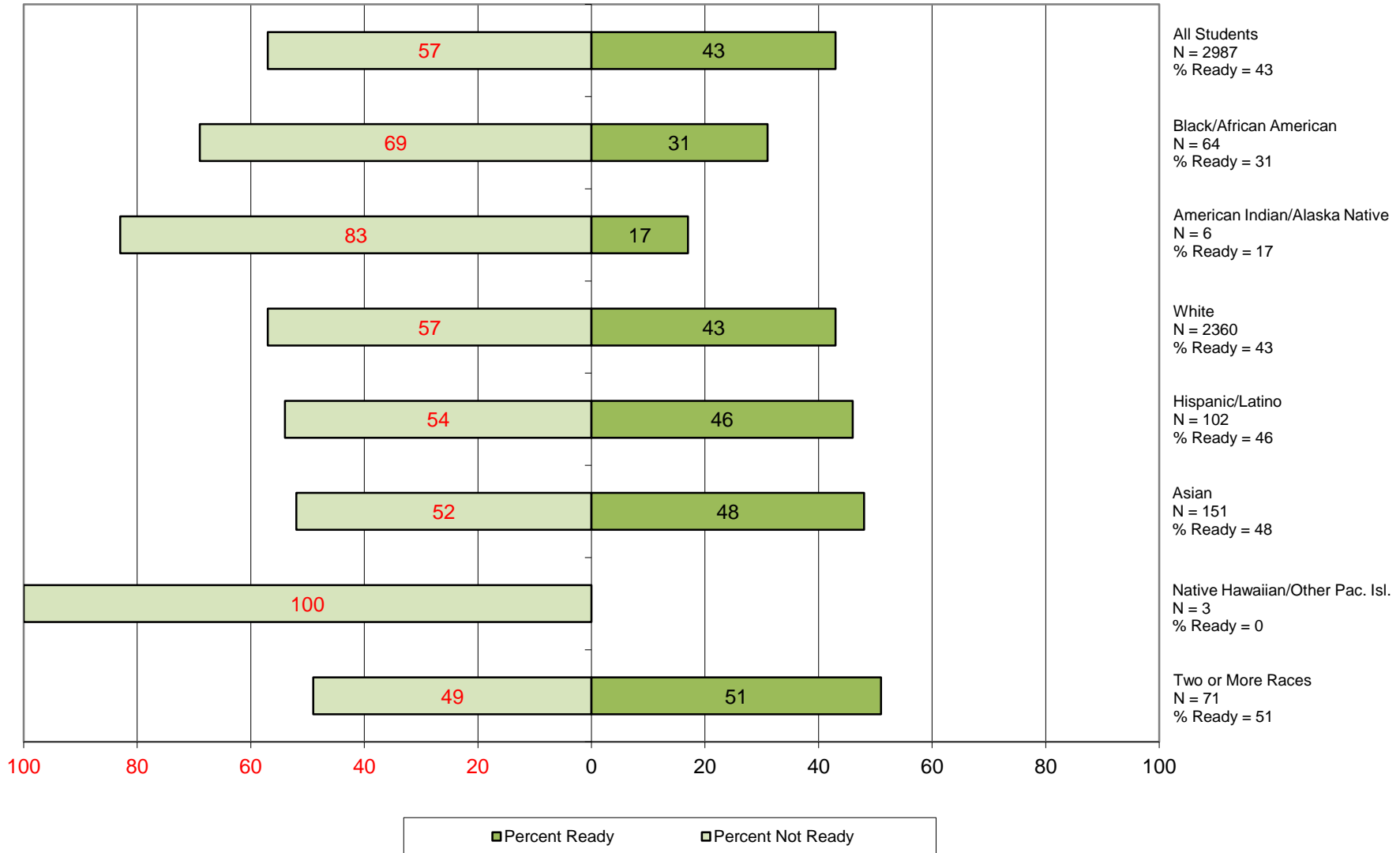


Figure 3.5. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 2,987

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	898	30	24.3	3.3	361	27	23.6	4.5	537	33	24.8	2.2
Eng 9, Eng 10, Eng 11, Eng 12	1,853	62	23.6	2.6	861	63	23.0	3.9	992	61	24.1	1.5
Less than 4 years of English	58	2	21.0	-	26	2	19.1	-	32	2	22.6	-
Zero years / no English courses reported	178	6	20.5	-	109	8	19.6	-	67	4	22.0	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	218	7	26.2	8.4	99	7	26.1	9.3	119	7	26.2	7.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	262	9	22.8	5.0	100	7	23.8	7.0	162	10	22.3	3.6
Alg 1, Alg 2, Geom, & Trig	115	4	21.5	3.7	46	3	21.2	4.4	69	4	21.7	3.0
Alg 1, Alg 2, Geom, & Other Adv Math	436	15	21.1	3.3	164	12	21.4	4.6	272	17	20.9	2.2
Other comb of 4 or more years of Math	1,417	47	25.7	7.9	674	50	26.2	9.4	743	46	25.2	6.5
Alg 1, Alg 2, & Geom	182	6	17.8	0.0	77	6	18.0	1.2	105	6	17.7	-1.0
Other comb of 3 or 3.5 years of Math	142	5	21.6	3.8	72	5	21.6	4.8	70	4	21.6	2.9
Less than 3 years of Math	37	1	17.8	-	16	1	16.8	-	21	1	18.7	-
Zero years / no Math courses reported	178	6	21.9	-	109	8	22.0	-	67	4	21.8	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	89	3	25.3	0.3	44	3	24.8	0.5	45	3	25.8	0.3
Other comb of 4 or more years Social Science	1,585	53	24.2	-0.8	699	52	23.6	-0.7	886	54	24.6	-0.9
US Hist, World Hist, & Am Gov	34	1	25.3	0.3	13	1	25.3	1.0	21	1	25.3	-0.2
Other comb of 3 or 3.5 years of Social Science	761	25	24.3	-0.7	331	24	24.1	-0.2	430	26	24.4	-1.1
Less than 3 years of Social Science	335	11	25.0	-	158	12	24.3	-	177	11	25.5	-
Zero years / no Social Science courses reported	183	6	21.8	-	112	8	21.1	-	69	4	22.9	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	1,843	62	24.1	5.1	876	65	24.4	5.0	967	59	23.8	5.1
Bio, Chem, Phys	198	7	25.0	6.0	90	7	25.9	6.5	108	7	24.2	5.5
Gen Sci ² , Bio, Chem	609	20	21.5	2.5	202	15	21.5	2.1	407	25	21.6	2.9
Other comb of 3 years of Natural Science	55	2	22.5	3.5	37	3	22.2	2.8	18	1	23.2	4.5
Less than 3 years of Natural Science	105	4	19.0	-	44	3	19.4	-	61	4	18.7	-
Zero years / no Natural Science courses reported	177	6	21.1	-	108	8	20.7	-	67	4	21.6	-

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: 2,987

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Who Met Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	898	30	24.3	87	380,375	21	21.6	73
Eng 9, Eng 10, Eng 11, Eng 12	1,853	62	23.6	85	1,265,911	70	20.3	65
Less than 4 years of English	58	2	21.0	67	84,048	5	15.9	36
Zero years / no English courses reported	178	6	20.5	66	68,909	4	16.4	38
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	218	7	26.2	89	113,999	6	23.8	68
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	262	9	22.8	66	155,095	9	21.9	56
Alg 1, Alg 2, Geom, & Trig	115	4	21.5	52	119,993	7	19.4	32
Alg 1, Alg 2, Geom, & Other Adv Math	436	15	21.1	50	336,291	19	19.6	32
Other comb of 4 or more years of Math	1,417	47	25.7	81	610,720	34	23.6	65
Alg 1, Alg 2, & Geom	182	6	17.8	14	223,733	12	17.2	11
Other comb of 3 or 3.5 years of Math	142	5	21.6	49	88,866	5	19.7	34
Less than 3 years of Math	37	1	17.8	19	77,906	4	16.3	7
Zero years / no Math courses reported	178	6	21.9	50	72,640	4	17.9	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	89	3	25.3	70	50,989	3	22.2	51
Other comb of 4 or more years Social Science	1,585	53	24.2	65	908,394	50	22.0	50
US Hist, World Hist, & Am Gov	34	1	25.3	74	106,021	6	19.5	34
Other comb of 3 or 3.5 years of Social Science	761	25	24.3	64	489,586	27	21.0	43
Less than 3 years of Social Science	335	11	25.0	69	171,617	10	19.1	32
Zero years / no Social Science courses reported	183	6	21.8	46	72,636	4	17.7	25
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	1,843	62	24.1	61	767,293	43	21.9	46
Bio, Chem, Phys	198	7	25.0	73	183,685	10	23.0	54
Gen Sci ¹ , Bio, Chem	609	20	21.5	40	504,165	28	19.9	28
Other comb of 3 years of Natural Science	55	2	22.5	45	51,822	3	19.1	25
Less than 3 years of Natural Science	105	4	19.0	19	218,267	12	18.0	17
Zero years / no Natural Science courses reported	177	6	21.1	34	74,011	4	17.8	18

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

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

Planned Educational Major	All Students			Plan on 2 Years or Less of College			Plan on 4 Years or More of College		
	N ¹	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp	N	Percent ²	Avg ACT Comp
Agriculture & Natural Resources Conservation	41	1	21.9	2	7	21.5	37	2	22.0
Architecture	20	1	23.0	0	0	.	16	1	22.8
Area, Ethnic, & Multidisciplinary Studies	9	0	26.4	0	0	.	7	0	26.3
Arts: Visual & Performing	133	4	23.1	1	4	30.0	114	5	23.0
Business	321	11	22.4	3	11	14.0	271	11	22.5
Communications	107	4	23.9	0	0	.	94	4	23.7
Community, Family, & Personal Services	26	1	21.0	2	7	17.0	22	1	21.7
Computer Science & Mathematics	82	3	25.0	1	4	14.0	74	3	24.9
Education	143	5	22.3	1	4	20.0	126	5	22.3
Engineering	299	10	25.7	1	4	15.0	261	11	25.6
Engineering Technology & Drafting	13	0	23.4	1	4	21.0	12	0	23.6
English & Foreign Languages	60	2	26.1	0	0	.	51	2	25.7
Health Administration & Assisting	17	1	20.9	0	0	.	13	1	21.2
Health Sciences & Technologies	392	13	23.1	6	22	18.8	353	15	23.2
Philosophy, Religion, & Theology	10	0	23.7	1	4	18.0	9	0	24.3
Repair, Production, & Construction	7	0	16.6	3	11	17.0	4	0	16.3
Sciences: Biological & Physical	345	12	25.6	0	0	.	310	13	25.6
Social Sciences & Law	268	9	24.1	1	4	13.0	239	10	24.0
Undecided	522	17	23.9	4	15	17.8	387	16	23.7
No Response	172	6	21.3	0	0	.	10	0	21.5

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

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

Total Students in Report: 2,987

Table 4.2. Average ACT Composite Scores for Racial/Ethnic 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	9	16.1	1	13.0	0	.	7	16.3	1	18.0
2-yr College Degree	18	18.9	0	.	0	.	16	18.7	0	.
Bachelors Degree	1,040	22.0	12	19.1	3	20.3	907	22.1	27	21.2
Graduate Study	788	24.7	7	23.4	2	25.0	676	24.6	24	25.0
Prof. Level Degree	582	26.0	22	22.2	0	.	416	26.1	33	26.7
Other	21	21.0	0	.	0	.	18	21.4	0	.
No Response	529	23.7	22	23.3	1	32.0	320	23.8	17	22.5

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	9	16.1	0	.	0	.	0	.	0	.
2-yr College Degree	18	18.9	1	14.0	0	.	0	.	1	27.0
Bachelors Degree	1,040	22.0	23	22.2	1	16.0	21	22.7	46	22.6
Graduate Study	788	24.7	34	25.2	0	.	14	24.8	31	25.9
Prof. Level Degree	582	26.0	44	27.2	1	20.0	21	25.4	45	26.6
Other	21	21.0	1	20.0	0	.	0	.	2	17.5
No Response	529	23.7	48	23.1	1	24.0	15	26.4	105	23.8

Total Students in Report: 2,987

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 NEW HAMPSHIRE	New Hampshire	332	119	213	0	6	20	30	28	15	1
NORTHEASTERN UNIVERSITY	Massachusetts	113	31	82	0	0	3	19	47	27	5
PLYMOUTH STATE UNIVERSITY	New Hampshire	97	17	80	1	10	39	32	15	2	0
KEENE STATE COLLEGE	New Hampshire	89	16	73	2	13	30	28	21	4	0
UNIVERSITY OF VERMONT	Vermont	68	15	53	0	1	7	28	40	24	0
BOSTON COLLEGE	Massachusetts	61	30	31	0	0	8	11	39	38	3
BOSTON UNIVERSITY	Massachusetts	60	16	44	0	2	8	18	52	18	2
QUINNIPIAC UNIVERSITY	Connecticut	59	9	50	0	2	19	31	32	15	2
UNIVERSITY OF NEW ENGLAND	Maine	54	18	36	0	2	19	43	26	11	0
NCAA ELIGIBILITY CENTER	Indiana	50	39	11	0	10	28	26	22	12	2
WORCESTER POLYTECHNIC INST	Massachusetts	50	12	38	0	0	2	8	48	32	10
UNIVERSITY OF RHODE ISLAND	Rhode Island	46	4	42	0	0	15	50	26	9	0
UNIVERSITY OF CONNECTICUT	Connecticut	45	12	33	0	2	18	33	38	9	0
DARTMOUTH COLLEGE	New Hampshire	43	15	28	0	0	2	9	42	35	12
TUFTS UNIVERSITY	Massachusetts	42	19	23	0	0	2	7	36	50	5
UNIV OF MASSACHUSETTS AMHERST	Massachusetts	37	7	30	0	0	14	30	32	22	3
UNIV OF MASSACHUSETTS LOWELL	Massachusetts	35	10	25	0	3	17	43	23	11	3
SAINT ANSELM COLLEGE	New Hampshire	34	6	28	0	12	18	41	15	15	0
UNIVERSITY OF MAINE THE	Maine	34	5	29	0	0	35	32	18	15	0
ENDICOTT COLLEGE	Massachusetts	31	4	27	0	3	35	39	16	6	0
RENSSELAER POLYTECHNIC INSTITUTE	New York	29	7	22	0	0	0	3	48	38	10
FRANKLIN PIERCE UNIVERSITY	New Hampshire	28	9	19	0	18	29	36	18	0	0
BROWN UNIVERSITY	Rhode Island	27	13	14	0	0	4	4	22	67	4
SOUTHERN NEW HAMPSHIRE UNIVERSITY	New Hampshire	27	7	20	4	11	41	41	4	0	0
NORWICH UNIVERSITY	Vermont	26	11	15	0	0	35	31	23	12	0
ROCHESTER INST OF TECHNOLOGY	New York	24	7	17	0	0	8	13	46	29	4
HARVARD COLLEGE	Massachusetts	23	6	17	0	0	4	4	13	52	26
SUFFOLK UNIVERSITY	Massachusetts	23	4	19	0	0	30	35	30	4	0
EMERSON COLLEGE	Massachusetts	20	8	12	0	0	5	40	45	10	0
NHTI-CONCORD'S COMMUNITY COLLEGE	New Hampshire	20	7	13	0	15	50	15	20	0	0
All Other Institutions		2,010	566	1,444	0	3	14	25	30	24	4
Total		3,637	1,049	2,588	0	3	16	26	30	21	3

Section V

Optional Writing Test Results

Beginning with the Graduating Class of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning with the 2013 Graduating Class data, College Readiness Benchmarks for Reading and Science were updated to reflect the most recent college coursework research.

Total Students in Report: 2,987

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

	N		Average ACT Scores					
			English		Essay		English/Writing Combined	
	State	National	State	National	State	National	State	National
All Students	2,589	942,769	23.9	21.3	7.8	7.0	23.1	20.5
Black/African American	56	114,751	22.0	16.3	7.2	6.1	21.3	16.0
American Indian/Alaska Native	5	6,031	25.4	16.8	8.6	6.1	25.0	16.4
White	2,014	518,407	23.9	22.9	7.8	7.2	23.1	21.9
Hispanic/Latino	94	151,504	23.9	18.6	7.6	6.8	23.1	18.3
Asian	146	54,580	23.2	23.5	7.8	7.6	22.7	22.7
Native Hawaiian/Other Pac. Isl.	2	2,812	21.5	19.5	7.5	6.9	21.0	19.2
Two or more races	63	35,355	25.1	21.5	7.8	7.0	24.0	20.6
Prefer not/No Response	209	59,329	24.6	21.8	7.8	7.1	23.7	20.9
Males	1,162	423,104	23.1	21.0	7.5	6.7	22.4	20.1
Females	1,425	513,945	24.5	21.6	7.9	7.2	23.8	20.9
Missing	2	5,720	22.0	16.6	7.0	6.3	21.0	16.5

