



Profile Report - State

Graduating Class 2015

Alaska



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This report provides information about the performance of your 2015 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 2015. 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 in August of 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

28% 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: 2,868 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. 60% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES: Table 3.2 reports 7% of the cohort took less than three years of math courses. Of these students, 8% were college ready. 15% of the cohort reported taking a course sequence of Algebra I, Algebra II, and Geometry. 13% of these students were college ready. In comparison, 65% 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 20% of the cohort took less than three years of natural science courses. 24% of these students were college ready. In comparison, 48% 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 45% 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

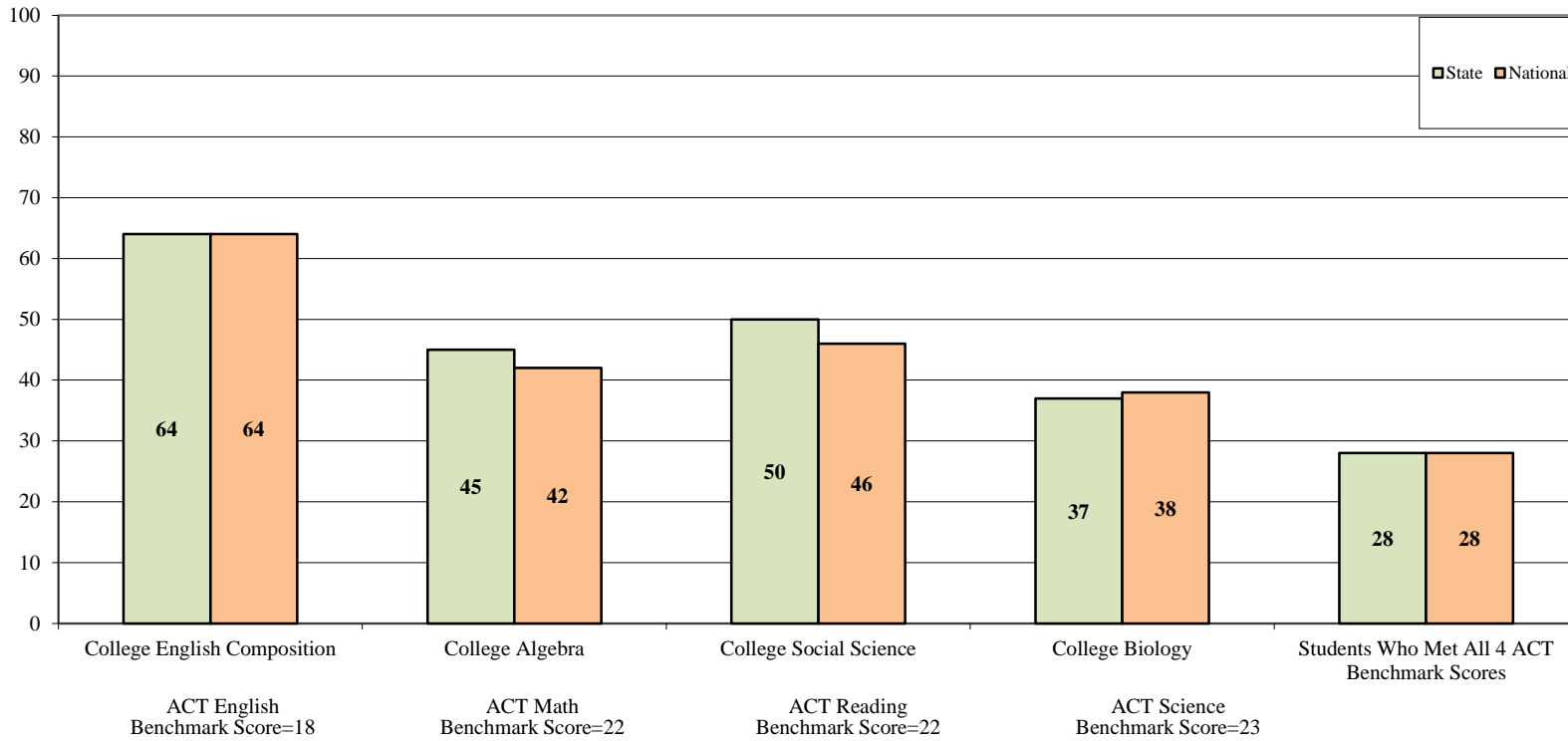
Executive Summary

Beginning in August of 2013, all students whose scores are college reportable, both standard and extended time tests, are now included.

Also beginning in August 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: 2,868

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
2011	3,022	1,623,112	65	66	47	45	56	52	30	30	25	25
2012	2,598	1,666,017	67	67	48	46	56	52	30	31	26	25
2013	2,724	1,799,243	65	64	48	44	48	44	38	36	28	26
2014	2,659	1,845,787	63	64	45	43	48	44	36	37	28	26
2015	2,868	1,924,436	64	64	45	42	50	46	37	38	28	28

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
2011	3,022	1,623,112	20.3	20.6	21.4	21.1	21.7	21.3	21.0	20.9	21.2	21.1
2012	2,598	1,666,017	20.3	20.5	21.3	21.1	21.8	21.3	20.8	20.9	21.2	21.1
2013	2,724	1,799,243	20.1	20.2	21.2	20.9	21.7	21.1	21.0	20.7	21.1	20.9
2014	2,659	1,845,787	19.9	20.3	21.1	20.9	21.6	21.3	20.8	20.8	21.0	21.0
2015	2,868	1,924,436	20.1	20.4	21.1	20.8	21.9	21.4	20.9	20.9	21.1	21.0

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2014	1,845,787	20.3	20.9	21.3	20.8	21.0
2015	1,924,436	20.4	20.8	21.4	20.9	21.0

Total Students in Report: 2,868

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
2011	1,698	811	56	27	22.6	18.9	23.3	19.7	23.7	20.7	22.8	19.6	23.2	19.9
2012	1,568	695	60	27	22.5	18.8	23.2	19.3	23.8	20.3	22.5	19.5	23.1	19.6
2013	1,701	696	62	26	22.0	18.6	22.9	19.0	23.4	20.4	22.5	19.6	22.8	19.5
2014	1,646	667	62	25	21.8	18.7	22.8	19.2	23.5	20.6	22.3	19.6	22.7	19.6
2015	1,729	727	60	25	22.3	18.9	23.0	19.4	24.0	20.6	22.8	19.4	23.2	19.7

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

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

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

	2011			2012			2013			2014			2015		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	3,022	100	21.2	2,598	100	21.2	2,724	100	21.1	2,659	100	21.0	2,868	100	21.1
Black/African American	120	4	18.5	79	3	17.8	74	3	17.6	59	2	17.3	75	3	18.3
American Indian/Alaska Native	280	9	17.1	315	12	15.5	343	13	16.1	306	12	15.9	342	12	16.1
White	1,610	53	23.2	1,413	54	23.1	1,445	53	23.1	1,372	52	23.1	1,410	49	23.2
Hispanic/Latino	133	4	20.5	142	5	20.3	176	6	20.1	159	6	20.3	150	5	21.2
Asian	230	8	19.9	159	6	20.0	163	6	20.0	165	6	19.8	197	7	20.1
Native Hawaiian/Other Pacific Islander	15	0	17.7	33	1	16.6	35	1	17.5	27	1	16.2	34	1	17.4
Two or more races	226	7	20.8	246	9	21.5	270	10	20.7	286	11	21.0	335	12	21.2
Prefer not to respond/No response	408	14	18.1	211	8	19.7	218	8	20.0	285	11	18.4	325	11	18.9

Total Students in Report: 2,868

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



Total Students in Report: 2,868

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	2,823	98	20.2	21.2	21.9	20.9	21.2
	Extended Time	45	2	15.1	18.0	17.8	16.9	17.1
	Total	2,868	100	20.1	21.1	21.9	20.9	21.1
National	Standard Time	1,838,433	96	20.6	21.0	21.5	21.1	21.2
	Extended Time	86,003	4	16.5	18.1	18.8	18.3	18.1
	Total	1,924,436	100	20.4	20.8	21.4	20.9	21.0

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	64	46	51	38	29
	Extended Time	33	22	33	20	13
	Total	64	45	50	37	28
National	Standard Time	65	43	47	39	28
	Extended Time	38	22	32	23	16
	Total	64	42	46	38	28

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: 2,868

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	5	100	6	100	32	100	12	100	1	100	36
35	34	100	10	100	21	99	23	100	6	100	35
34	41	99	17	99	65	98	25	99	27	100	34
33	37	97	24	99	84	96	24	98	22	99	33
32	45	96	39	98	95	93	44	97	38	98	32
31	57	94	27	97	99	90	37	96	57	97	31
30	46	92	48	96	84	86	38	94	78	95	30
29	57	91	68	94	74	83	44	93	84	92	29
28	75	89	110	92	96	81	71	91	70	89	28
27	78	86	149	88	106	77	66	89	136	87	27
26	123	83	184	83	93	74	154	87	163	82	26
25	144	79	162	76	105	70	174	81	144	76	25
24	136	74	170	71	141	67	162	75	146	71	24
23	191	69	167	65	163	62	197	70	168	66	23
22	135	63	123	59	183	56	217	63	186	60	22
21	174	58	109	55	168	50	226	55	189	54	21
20	197	52	147	51	156	44	191	47	176	47	20
19	111	45	171	46	134	38	200	41	185	41	19
18	139	41	196	40	156	34	195	34	177	35	18
17	126	36	247	33	103	28	120	27	164	28	17
16	120	32	280	24	143	25	147	23	134	23	16
15	180	28	214	14	143	20	127	17	128	18	15
14	112	22	113	7	96	15	80	13	114	14	14
13	77	18	55	3	93	11	104	10	129	10	13
12	77	15	20	1	124	8	64	7	78	5	12
11	99	12	7	1	51	4	50	4	49	2	11
10	108	9	1	1	27	2	35	3	12	1	10
9	53	5	2	1	11	1	20	1	5	1	9
8	45	3	1	1	11	1	13	1	2	1	8
7	29	2	0	1	5	1	4	1	0	1	7
6	10	1	0	1	2	1	1	1	0	1	6
5	3	1	0	1	3	1	0	1	0	1	5
4	0	1	1	1	1	1	2	1	0	1	4
3	4	1	0	1	0	1	1	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)	20.1 (6.7)		21.1 (5.3)		21.9 (6.7)		20.9 (5.6)		21.1 (5.6)		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: 2,868

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	76	100	37	100	98	100	140	100	64	100	19	100	19	100	18
17	145	97	32	99	192	97	157	95	100	98	25	99	4	99	17
16	103	92	150	98	187	90	191	90	175	94	66	98	115	99	16
15	153	89	186	92	168	83	235	83	178	88	166	96	189	95	15
14	136	83	177	86	175	78	233	75	187	82	278	90	251	89	14
13	169	79	251	80	217	71	175	67	281	75	286	81	262	80	13
12	193	73	273	71	282	64	231	61	273	66	296	71	294	71	12
11	300	66	282	61	206	54	212	53	221	56	341	60	306	60	11
10	254	56	278	52	297	47	231	45	238	48	382	49	414	50	10
9	254	47	328	42	263	36	252	37	250	40	361	35	334	35	9
8	238	38	252	30	267	27	149	28	274	31	315	23	281	24	8
7	222	30	146	22	250	18	172	23	349	22	136	12	111	14	7
6	208	22	121	17	117	9	196	17	168	10	64	7	128	10	6
5	166	15	139	12	76	5	159	10	60	4	48	5	71	6	5
4	126	9	119	8	40	3	85	5	36	2	37	3	31	3	4
3	86	4	76	3	12	1	36	2	10	1	20	2	35	2	3
2	34	1	18	1	14	1	14	1	3	1	17	1	5	1	2
1	5	1	3	1	7	1	0	1	1	1	11	1	18	1	1
Avg (SD)	10.0 (4.0)		10.3 (3.6)		11.2 (3.7)		11.1 (4.1)		10.8 (3.5)		10.7 (3.0)		10.6 (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)	25	25	27	24	25
Q2 (50th Percentile)	20	20	22	21	21
Q1 (25th Percentile)	15	17	17	17	17

Total Students in Report: 2,868

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	2,868	60	23.2	19.7
	Black/African American	75	55	20.1	16.5
	American Indian/Alaska Native	342	23	19.2	16.9
	White	1,410	73	24.1	20.7
	Hispanic/Latino	150	67	22.5	19.1
	Asian	197	72	21.2	17.8
	Native Hawaiian/Other Pac. Isl.	34	59	18.0	16.5
	Two or more races	335	66	22.0	20.1
	Prefer not/No Response	325	30	24.7	22.6
National	All Students	1,924,436	72	21.9	18.9
	Black/African American	252,566	67	17.8	15.9
	American Indian/Alaska Native	14,711	61	19.0	16.5
	White	1,057,803	76	23.2	20.2
	Hispanic/Latino	299,920	71	19.6	17.4
	Asian	87,499	79	24.5	22.0
	Native Hawaiian/Other Pac. Isl.	6,090	62	20.3	16.5
	Two or more races	76,066	73	22.0	19.3
	Prefer not/No Response	129,781	54	22.6	18.5

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	20.1	21.1	21.9	20.9	21.1
	Black/African American	16.9	18.3	19.0	18.2	18.3
	American Indian/Alaska Native	14.0	17.0	16.5	16.2	16.1
	White	22.6	22.7	24.2	22.8	23.2
	Hispanic/Latino	20.1	21.0	22.1	21.0	21.2
	Asian	18.6	21.1	20.1	20.3	20.1
	Native Hawaiian/Other Pac. Isl.	15.7	18.4	17.9	17.1	17.4
	Two or more races	20.0	21.2	21.9	21.0	21.2
	Prefer not/No Response	17.6	19.4	19.4	18.6	18.9
National	All Students	20.4	20.8	21.4	20.9	21.0
	Black/African American	15.9	17.2	17.4	17.3	17.1
	American Indian/Alaska Native	16.6	18.1	18.4	18.2	17.9
	White	22.1	21.9	22.9	22.2	22.4
	Hispanic/Latino	17.8	19.1	19.2	19.0	18.9
	Asian	23.0	25.0	23.3	23.6	23.9
	Native Hawaiian/Other Pac. Isl.	17.7	19.2	18.9	18.8	18.8
	Two or more races	20.7	20.8	21.8	21.1	21.2
	Prefer not/No Response	19.9	20.5	21.1	20.5	20.6

Total Students in Report: 2,868

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	117	4	57	2	202	7	84	3
	28 to 32	280	10	292	10	448	16	234	8
	24 to 27	481	17	665	23	445	16	556	19
	20 to 23	697	24	546	19	670	23	831	29
	16 to 19	496	17	894	31	536	19	662	23
	13 to 15	369	13	382	13	332	12	311	11
	01 to 12	428	15	32	1	235	8	190	7
National	33 to 36	100,774	5	54,201	3	114,663	6	62,731	3
	28 to 32	198,676	10	185,515	10	261,565	14	140,666	7
	24 to 27	303,299	16	384,130	20	281,364	15	388,063	20
	20 to 23	444,997	23	352,854	18	463,232	24	559,967	29
	16 to 19	357,690	19	646,399	34	409,189	21	462,353	24
	13 to 15	277,710	14	283,831	15	264,288	14	200,383	10
	01 to 12	241,290	13	17,506	1	130,135	7	110,273	6

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
State	Males	1,252	44	19.8	21.8	21.8	21.4	21.3
	Females	1,613	56	20.3	20.6	21.9	20.4	21.0
	Missing	3	0	19.3	19.0	19.0	16.0	18.7
National	Males	895,775	47	20.0	21.3	21.2	21.3	21.1
	Females	1,013,212	53	20.8	20.4	21.6	20.6	21.0
	Missing	15,449	1	15.7	17.7	17.6	17.5	17.3

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	63	51	50	41	31
	Females	64	41	51	34	26
National	Males	61	46	45	42	30
	Females	66	39	47	36	26

Total Students in Report: 2,868

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	1,729	78	22.3	61	23.0	64	24.0	50	22.8	40	23.2
	Less than Core	727	57	18.9	30	19.4	41	20.6	25	19.4	16	19.7
	Missing ³	412	14	12.7	9	16.3	9	15.2	5	15.2	2	15.0
National	Core or More	1,389,338	71	21.4	49	21.7	52	22.3	44	21.8	33	21.9
	Less than Core	424,562	48	18.0	27	18.9	32	19.3	24	19.0	16	18.9
	Missing	110,536	38	16.3	19	17.8	25	18.0	19	17.8	11	17.6

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	2,392	72	21.4	2,265	55	22.4	2,354	57	23.0	1,891	48	22.5
	Less than Core	72	57	18.9	198	8	16.4	111	47	21.2	568	24	19.3
	Missing ³	404	14	12.7	405	9	16.3	403	9	15.2	409	5	15.2
National	Core or More	1,732,463	67	20.8	1,743,121	45	21.2	1,627,689	49	21.8	1,592,830	42	21.5
	Less than Core	93,944	36	15.9	78,951	8	16.3	194,720	34	19.5	227,926	18	18.1
	Missing	98,029	40	16.5	102,364	20	17.8	102,027	26	18.1	103,680	20	18.0

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

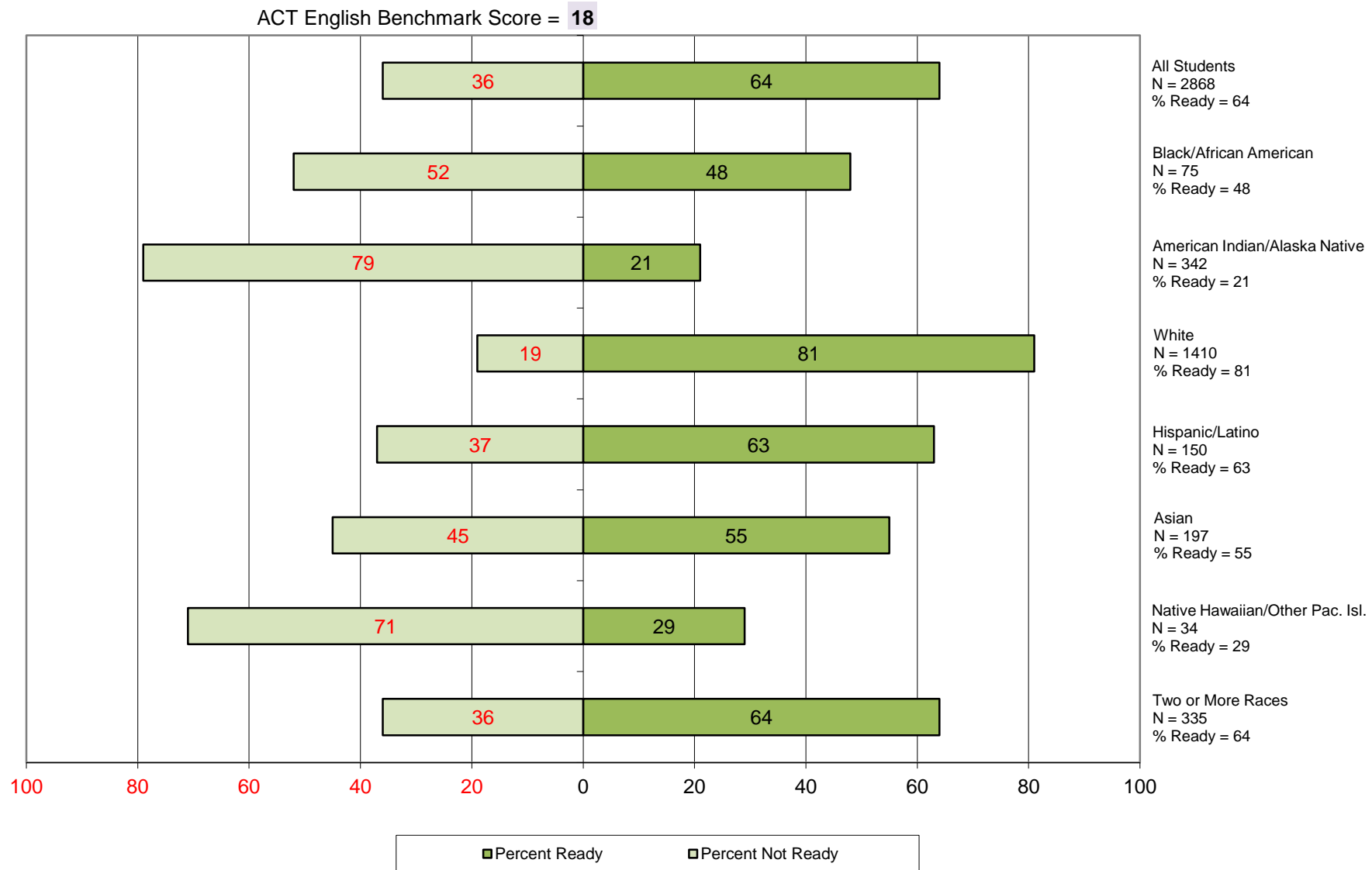


Figure 3.2. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

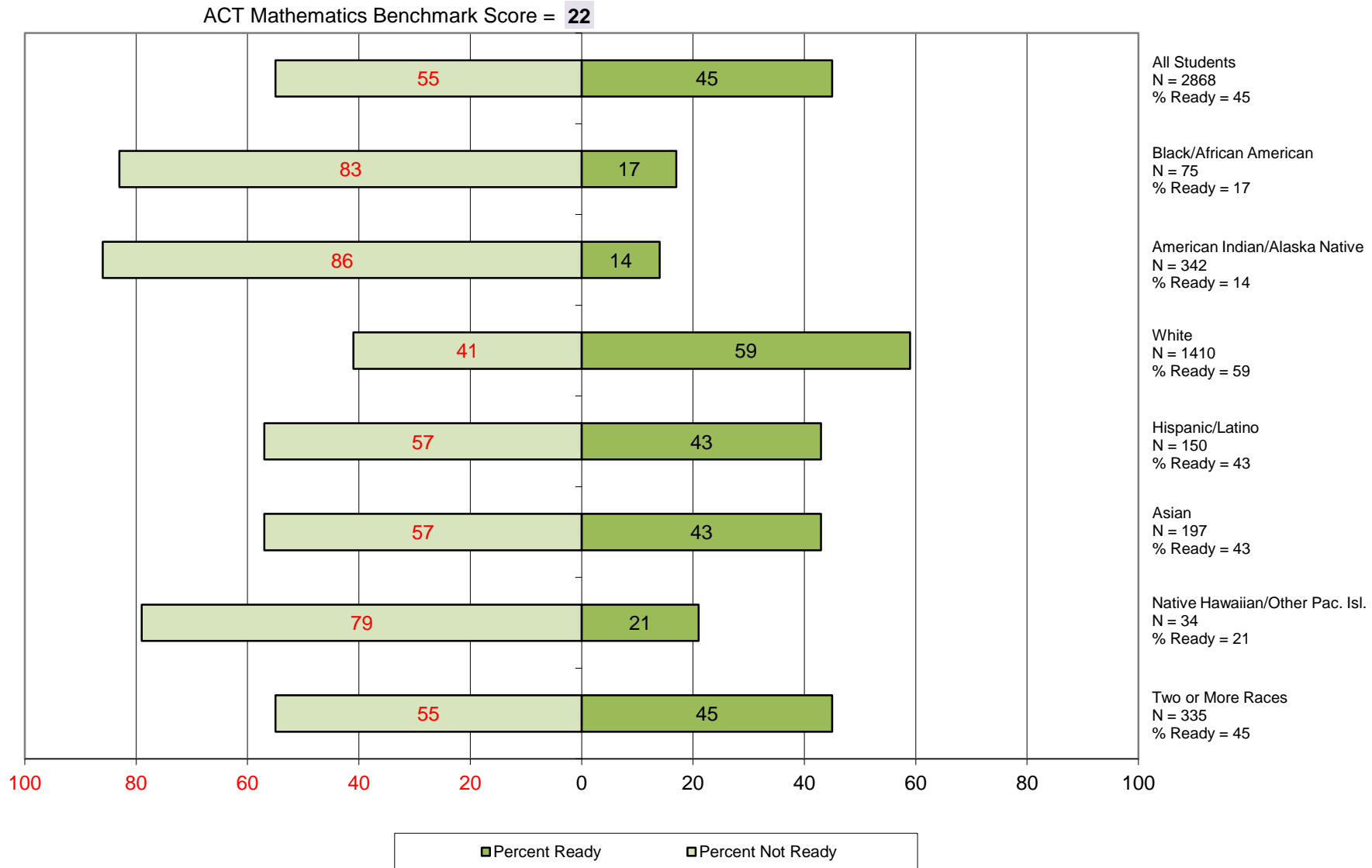


Figure 3.3. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

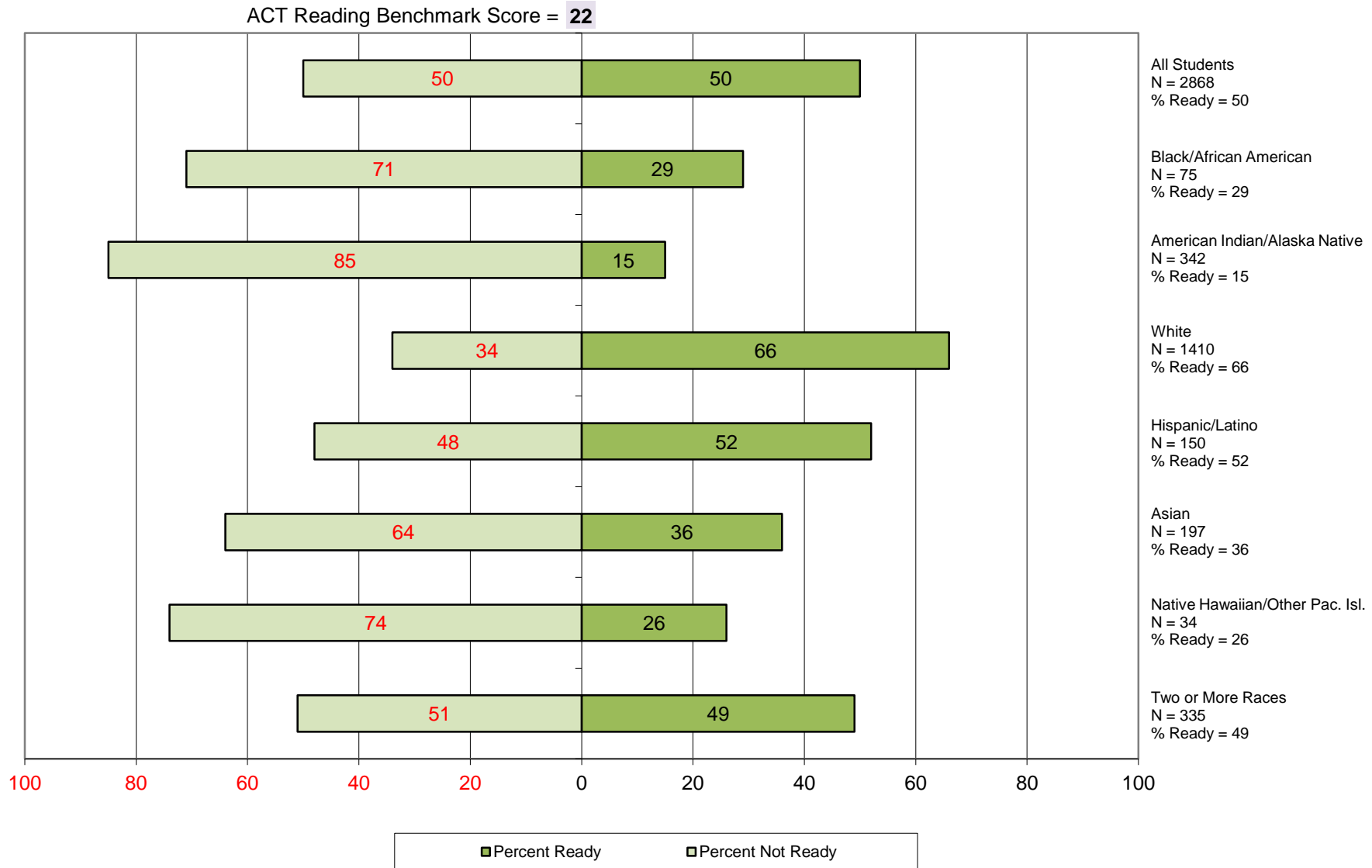
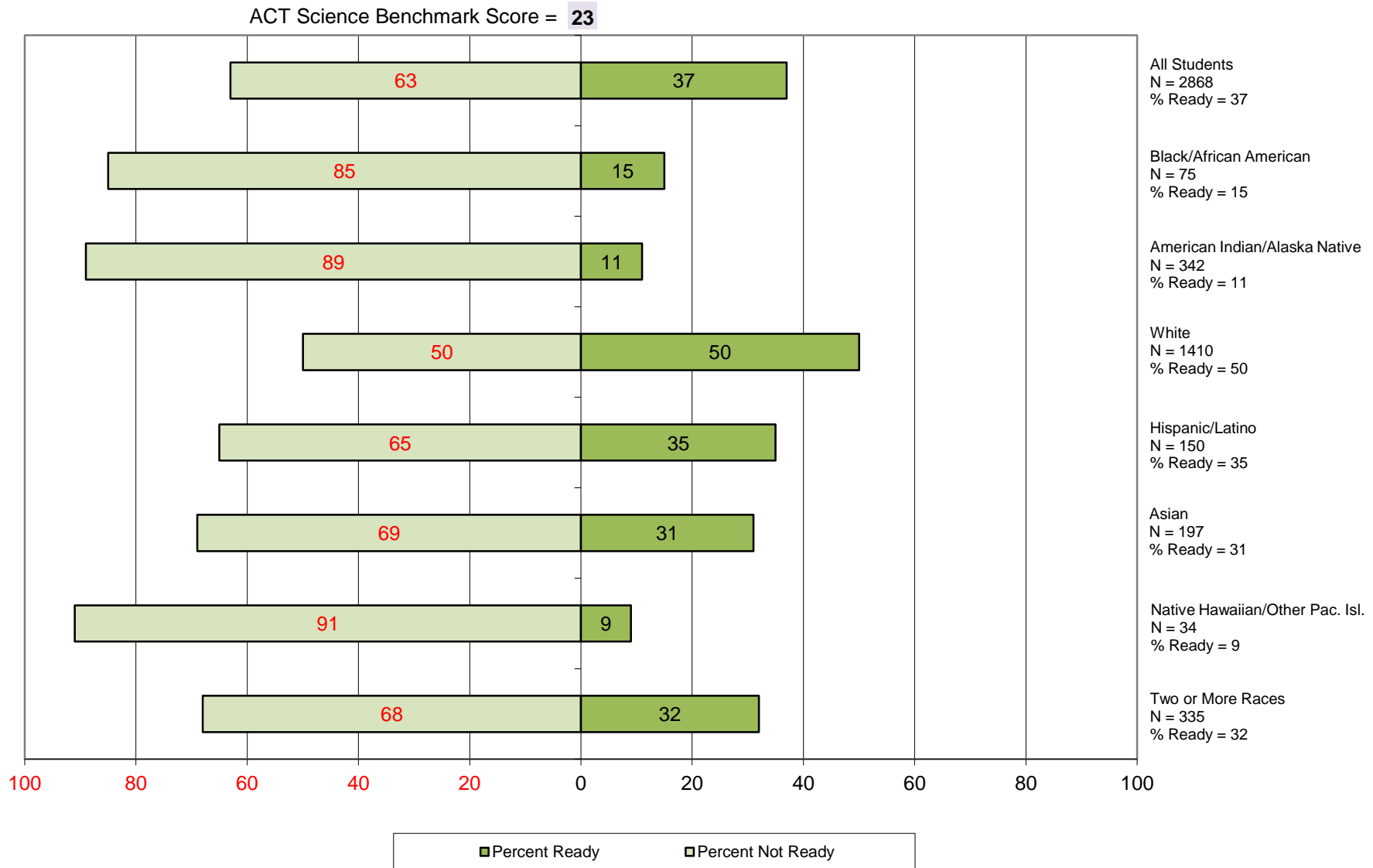
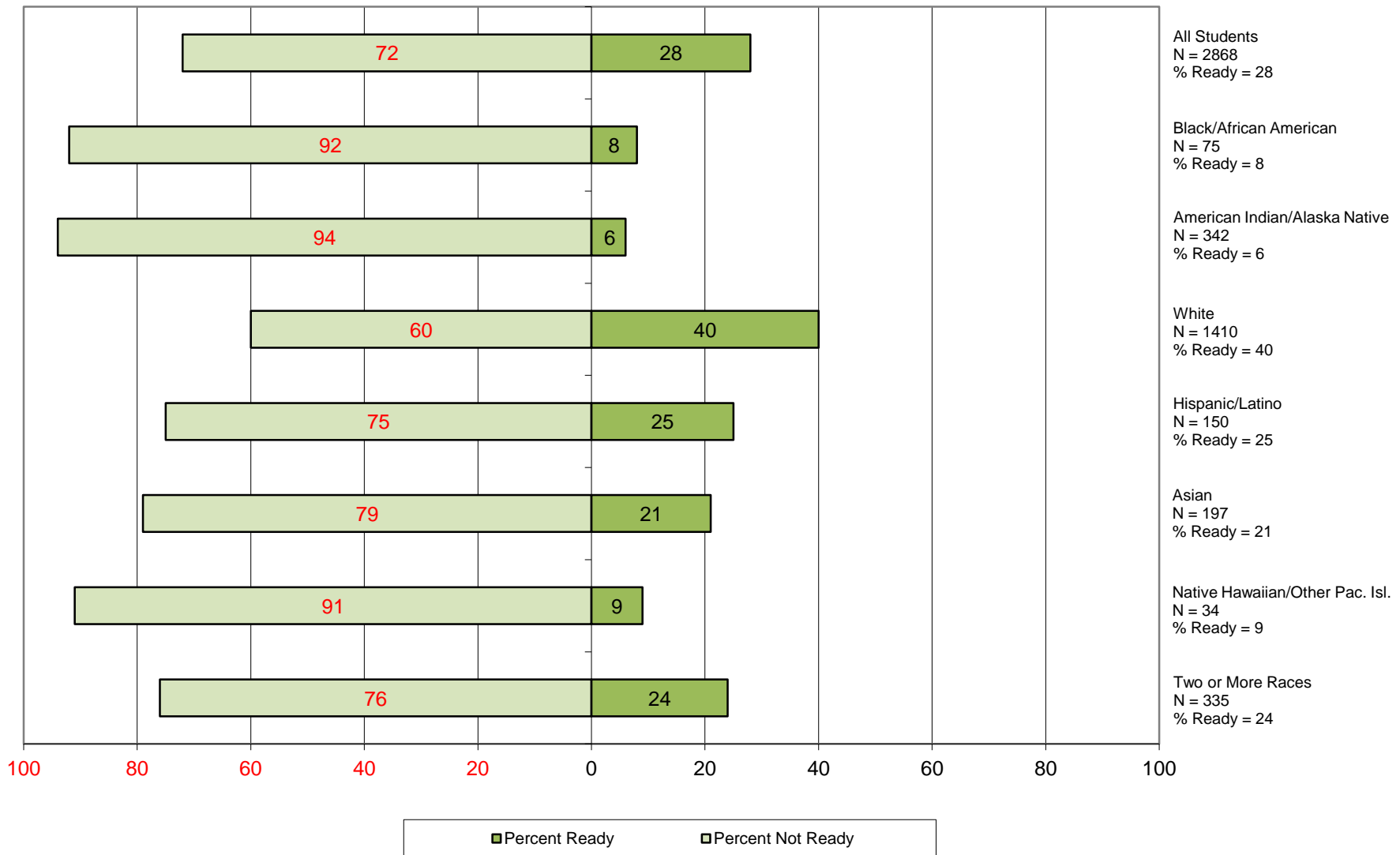


Figure 3.4. Percent of Students Who Met ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE



Total Students in Report: 2,868

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



Total Students in Report: 2,868

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	749	26	21.2	2.3	298	24	20.8	1.8	451	28	21.4	2.5
Eng 9, Eng 10, Eng 11, Eng 12	1,643	57	21.5	2.6	740	59	21.2	2.2	902	56	21.7	2.8
Less than 4 years of English	72	3	18.9	-	30	2	19.0	-	42	3	18.9	-
Zero years / no English courses reported	404	14	12.7	-	184	15	12.7	-	218	14	12.6	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	248	9	26.0	9.6	112	9	26.1	9.4	136	8	25.9	9.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	231	8	22.8	6.4	79	6	23.7	7.0	152	9	22.3	6.1
Alg 1, Alg 2, Geom, & Trig	165	6	21.3	4.9	74	6	21.6	4.9	91	6	21.0	4.8
Alg 1, Alg 2, Geom, & Other Adv Math	261	9	21.0	4.6	90	7	22.1	5.4	171	11	20.4	4.2
Other comb of 4 or more years of Math	833	29	24.4	8.0	422	34	25.0	8.3	411	25	23.7	7.5
Alg 1, Alg 2, & Geom	438	15	18.1	1.7	162	13	18.3	1.6	276	17	18.0	1.8
Other comb of 3 or 3.5 years of Math	89	3	19.7	3.3	43	3	19.9	3.2	46	3	19.6	3.4
Less than 3 years of Math	198	7	16.4	-	87	7	16.7	-	110	7	16.2	-
Zero years / no Math courses reported	405	14	16.3	-	183	15	16.7	-	220	14	15.9	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	209	7	22.8	1.6	105	8	22.6	1.4	104	6	22.9	1.6
Other comb of 4 or more years Social Science	1,500	52	23.3	2.1	618	49	23.0	1.8	881	55	23.5	2.2
US Hist, World Hist, & Am Gov	114	4	21.6	0.4	47	4	21.8	0.6	67	4	21.4	0.1
Other comb of 3 or 3.5 years of Social Science	531	19	22.8	1.6	248	20	23.2	2.0	283	18	22.5	1.2
Less than 3 years of Social Science	111	4	21.2	-	51	4	21.2	-	60	4	21.3	-
Zero years / no Social Science courses reported	403	14	15.2	-	183	15	15.3	-	218	14	15.0	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	879	31	23.4	4.1	454	36	23.8	4.5	425	26	23.0	3.6
Bio, Chem, Phys	220	8	25.0	5.7	126	10	25.4	6.1	94	6	24.5	5.1
Gen Sci ² , Bio, Chem	732	26	20.8	1.5	241	19	20.9	1.6	491	30	20.8	1.4
Other comb of 3 years of Natural Science	60	2	21.4	2.1	32	3	22.7	3.4	28	2	19.8	0.4
Less than 3 years of Natural Science	568	20	19.3	-	213	17	19.3	-	354	22	19.4	-
Zero years / no Natural Science courses reported	409	14	15.2	-	186	15	15.5	-	221	14	14.9	-

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: 2,868

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	749	26	21.2	73	373,145	19	21.7	72
Eng 9, Eng 10, Eng 11, Eng 12	1,643	57	21.5	72	1,359,318	71	20.6	65
Less than 4 years of English	72	3	18.9	57	93,944	5	15.9	36
Zero years / no English courses reported	404	14	12.7	14	98,029	5	16.5	40
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	248	9	26.0	85	123,105	6	23.5	65
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	231	8	22.8	66	164,036	9	21.7	53
Alg 1, Alg 2, Geom, & Trig	165	6	21.3	48	123,192	6	19.1	28
Alg 1, Alg 2, Geom, & Other Adv Math	261	9	21.0	46	362,476	19	19.4	30
Other comb of 4 or more years of Math	833	29	24.4	72	655,589	34	23.7	64
Alg 1, Alg 2, & Geom	438	15	18.1	13	219,221	11	17.1	11
Other comb of 3 or 3.5 years of Math	89	3	19.7	31	95,502	5	19.8	34
Less than 3 years of Math	198	7	16.4	8	78,951	4	16.3	8
Zero years / no Math courses reported	405	14	16.3	9	102,364	5	17.8	20
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	209	7	22.8	54	48,944	3	22.3	51
Other comb of 4 or more years Social Science	1,500	52	23.3	60	942,441	49	22.3	52
US Hist, World Hist, & Am Gov	114	4	21.6	48	108,348	6	19.7	35
Other comb of 3 or 3.5 years of Social Science	531	19	22.8	55	527,956	27	21.4	46
Less than 3 years of Social Science	111	4	21.2	47	194,720	10	19.5	34
Zero years / no Social Science courses reported	403	14	15.2	9	102,027	5	18.1	26
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	879	31	23.4	55	807,744	42	22.2	48
Bio, Chem, Phys	220	8	25.0	71	217,893	11	23.2	55
Gen Sci ¹ , Bio, Chem	732	26	20.8	34	512,754	27	20.1	30
Other comb of 3 years of Natural Science	60	2	21.4	35	54,439	3	19.1	24
Less than 3 years of Natural Science	568	20	19.3	24	227,926	12	18.1	18
Zero years / no Natural Science courses reported	409	14	15.2	5	103,680	5	18.0	20

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.

Total Students in Report: 2,868

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	29	1	20.4	3	2	14.3	21	1	22.0
Architecture	25	1	21.0	1	1	16.0	22	1	21.0
Area, Ethnic, & Multidisciplinary Studies	4	0	19.0	0	0	.	4	0	19.0
Arts: Visual & Performing	146	5	20.8	14	7	14.5	110	5	21.8
Business	192	7	20.4	19	10	14.8	146	7	21.2
Communications	33	1	22.8	1	1	23.0	29	1	23.0
Community, Family, & Personal Services	47	2	18.7	10	5	19.4	31	1	18.9
Computer Science & Mathematics	86	3	22.8	5	3	17.6	68	3	23.2
Education	132	5	21.3	6	3	16.5	117	6	21.8
Engineering	323	11	24.8	6	3	14.8	277	13	25.4
Engineering Technology & Drafting	47	2	19.8	7	4	16.7	29	1	20.6
English & Foreign Languages	34	1	22.5	2	1	19.5	27	1	23.1
Health Administration & Assisting	84	3	18.3	11	6	16.1	60	3	19.0
Health Sciences & Technologies	479	17	21.1	25	13	18.2	409	19	21.6
Philosophy, Religion, & Theology	7	0	24.3	0	0	.	5	0	23.0
Repair, Production, & Construction	53	2	18.2	24	12	17.6	26	1	18.9
Sciences: Biological & Physical	227	8	23.4	5	3	17.6	210	10	23.8
Social Sciences & Law	172	6	22.3	4	2	18.0	146	7	22.8
Undecided	552	19	20.8	47	24	17.9	371	18	21.6
No Response	194	7	14.8	2	1	11.0	6	0	16.5

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: 2,868

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	52	16.6	1	19.0	20	13.5	20	19.6	0	.
2-yr College Degree	141	17.2	1	16.0	53	14.5	48	19.3	4	16.5
Bachelors Degree	1,287	21.0	32	18.6	160	16.2	687	22.4	78	20.9
Graduate Study	364	24.3	8	19.1	20	18.5	225	25.3	17	22.6
Prof. Level Degree	464	24.4	10	21.3	30	19.9	274	25.2	32	23.5
Other	42	19.3	1	18.0	9	15.2	16	22.4	3	16.7
No Response	518	17.9	22	16.4	50	15.3	140	21.8	16	18.4

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	52	16.6	1	11.0	0	.	7	18.9	3	13.3
2-yr College Degree	141	17.2	10	18.7	2	14.5	13	18.2	10	19.2
Bachelors Degree	1,287	21.0	88	19.6	10	17.3	172	20.6	60	22.3
Graduate Study	364	24.3	19	23.5	3	21.3	44	23.6	28	25.4
Prof. Level Degree	464	24.4	32	25.3	2	16.0	58	23.0	26	26.5
Other	42	19.3	1	16.0	1	11.0	5	17.4	6	22.5
No Response	518	17.9	46	16.9	16	17.7	36	20.0	192	15.8

Total Students in Report: 2,868

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 ALASKA ANCHORAGE	Alaska	893	498	395	8	20	26	24	15	6	0
UNIVERSITY OF ALASKA FAIRBANKS	Alaska	704	386	318	10	17	23	25	16	9	2
UNIVERSITY OF ALASKA SOUTHEAST	Alaska	163	30	133	13	36	23	18	9	1	0
UNIVERSITY OF WASHINGTON	Washington	100	29	71	0	6	19	15	30	25	5
KUSKOKWIM CAMPUS UAF-CRCD	Alaska	82	17	65	27	56	15	2	0	0	0
MONTANA STATE UNIVERSITY-BOZEMAN	Montana	79	33	46	0	3	11	22	34	28	3
ALASKA PACIFIC UNIVERSITY	Alaska	65	18	47	8	17	28	35	8	5	0
FORT LEWIS COLLEGE	Colorado	59	17	42	7	37	32	19	5	0	0
KENAI PENINSULA COLLEGE	Alaska	58	22	36	16	24	33	17	9	2	0
BRIGHAM YOUNG UNIVERSITY	Utah	55	33	22	4	0	18	16	36	25	0
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	51	15	36	2	0	20	18	41	20	0
NORTHERN ARIZONA UNIVERSITY	Arizona	51	13	38	2	4	22	35	31	6	0
WASHINGTON STATE UNIVERSITY	Washington	47	9	38	0	0	23	15	36	26	0
UNIVERSITY OF OREGON	Oregon	38	10	28	0	8	16	32	26	16	3
UNIVERSITY OF HAWAII AT MANOA	Hawaii	37	11	26	0	14	41	32	8	5	0
BOISE STATE UNIVERSITY	Idaho	35	11	24	3	3	9	26	43	17	0
NCAA ELIGIBILITY CENTER	Indiana	35	16	19	3	3	23	29	34	9	0
STANFORD UNIVERSITY	California	35	13	22	0	0	11	0	29	49	11
COLORADO STATE UNIVERSITY	Colorado	32	9	23	0	6	0	22	53	19	0
MATANUSKA-SUSITNA COLLEGE/UAA	Alaska	32	14	18	3	9	34	25	22	6	0
WESTERN WASHINGTON UNIVERSITY	Washington	32	7	25	0	0	22	13	47	16	3
OREGON STATE UNIVERSITY	Oregon	30	4	26	3	0	20	13	43	20	0
COLORADO SCHOOL OF MINES	Colorado	29	10	19	0	0	0	10	24	59	7
UNIVERSITY OF IDAHO	Idaho	29	6	23	0	3	21	31	28	17	0
ARIZONA STATE UNIVERSITY	Arizona	25	3	22	0	8	24	36	24	8	0
GONZAGA UNIVERSITY	Washington	24	6	18	0	4	8	29	38	17	4
UNIVERSITY OF MONTANA	Montana	24	8	16	0	4	25	17	29	21	4
HAWAII PACIFIC UNIVERSITY	Hawaii	22	7	15	5	27	32	23	14	0	0
BRIGHAM YOUNG UNIVERSITY-HAWAII CAMPUS	Hawaii	21	3	18	5	5	10	14	43	24	0
UNITED STATES AIR FORCE ACADEMY	Colorado	21	12	9	0	0	0	14	43	33	10
All Other Institutions		1,776	465	1,311	2	8	18	23	26	19	4
Total		4,684	1,735	2,949	5	13	21	23	22	14	2

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: 2,868

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	1,888	1,108,908	21.0	21.0	7.0	6.9	20.3	20.2
Black/African American	55	136,380	17.5	16.3	6.5	6.0	17.3	15.9
American Indian/Alaska Native	194	7,142	14.6	16.5	5.3	5.9	14.1	16.0
White	949	567,060	23.2	22.8	7.4	7.1	22.3	21.8
Hispanic/Latino	112	196,970	20.3	18.4	7.1	6.7	19.9	18.1
Asian	149	68,736	19.4	23.9	6.9	7.6	19.0	23.0
Native Hawaiian/Other Pac. Isl.	25	4,070	14.6	18.0	6.7	6.5	15.4	17.6
Two or more races	240	45,517	20.4	21.3	6.8	6.9	19.7	20.4
Prefer not/No Response	164	83,033	21.3	20.8	6.8	6.7	20.3	19.9
Males	785	507,737	20.9	20.7	6.7	6.6	20.0	19.7
Females	1,100	590,537	21.1	21.4	7.2	7.1	20.5	20.8
Missing	3	10,634	19.3	16.0	7.0	5.6	19.0	15.4

