

ACT Profile Report - District

Graduating Class 2009
FAIRFAX CO PUBLIC SCHOOL DIST

477064
Superintendent
FAIRFAX CO PUBLIC SCHOOL DIST
8115 GATEHOUSE RD

FALLS CHURCH, VA 22042



Table of Contents

<p>Section I: Executive Summary</p> <ul style="list-style-type: none"> Percent of Your Students Ready for College-Level Coursework Five Year Trends—Percent of Students Meeting College Readiness Benchmarks Five Year Trends—Average ACT Scores Five Year Trends—Average ACT Scores by Level of Preparation Five Year Trends—Percent and Average Composite Score by Race/Ethnicity 	<p>Page 5</p>
<p>Section II: Academic Achievement</p> <ul style="list-style-type: none"> ACT Score Distributions, Cumulative Percentages, Averages, and Quartile Values Average ACT Composite Scores for Race/Ethnicity by Level of Preparation Average ACT Scores by Race/Ethnicity Percent of Students in College Readiness Standards Score Ranges Average ACT Scores by Gender Percent of Students Meeting College Readiness Benchmark Scores by Gender College Readiness Benchmark Percent and Average ACT Scores by Overall High School Curriculum College Readiness Benchmark Percent and Average ACT Scores by Content-Specific Curriculum 	<p>Page 9</p>
<p>Section III: College Readiness & Impact of Course Rigor</p> <ul style="list-style-type: none"> Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity Average ACT Scores and Average ACT Score Changes by Common Course Patterns College Readiness Percents by Common Course Patterns 	<p>Page 15</p>
<p>Section IV: Career and Educational Aspirations</p> <ul style="list-style-type: none"> Distribution of Planned Educational Majors for All Students by College Plans Average ACT Composite Scores for Racial/Ethnic Groups by Post-Secondary Educational Aspirations Students' Score Report Preferences at Time of Testing 	<p>Page 23</p>
<p>Section V: Optional Writing Test Results</p> <ul style="list-style-type: none"> Average ACT English and Writing Scores by Race/Ethnicity and Gender for students who took ACT Writing 	<p>Page 27</p>

This report provides information about the performance of your 2009 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 2009 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.

Further, 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.

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

39% 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: 3,237 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. 95% 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, 13% were college ready. 8% of the cohort reported taking the minimum math core (Algebra I, Algebra II, and Geometry). 15% of these students were college ready. In comparison, 72% of the students who advanced beyond minimum math core 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 1% of the cohort took less than three years of natural science courses. 19% of these students were college ready. In comparison, 44% 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 23% 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.

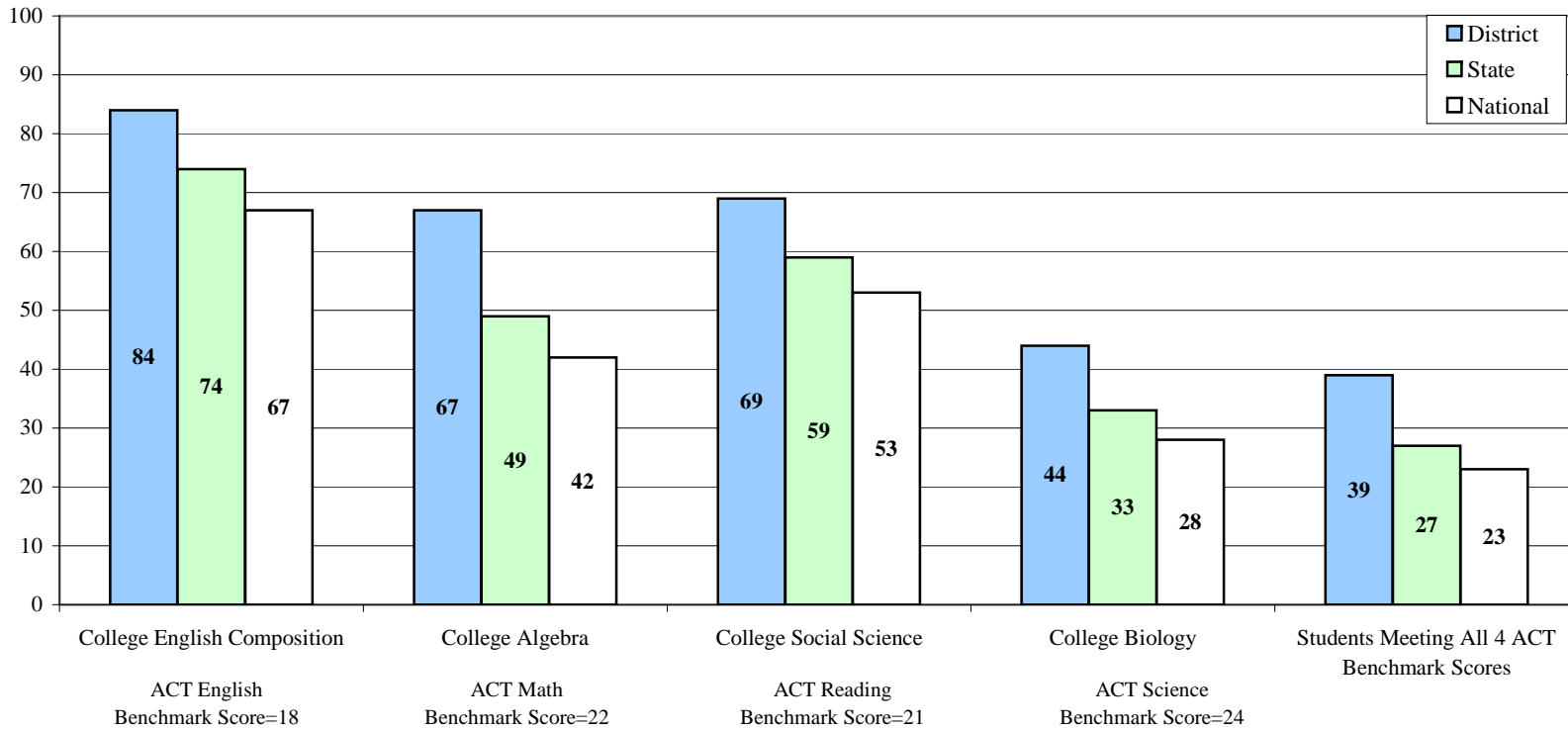
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS: Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 404-231-1952.

Section I

Executive Summary

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.

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	
	District	State	District	State	District	State	District	State	District	State	District	State
2005	1,421	10,806	75	69	56	40	58	51	32	24	28	19
2006	1,524	11,519	78	70	61	44	62	53	35	26	31	21
2007	2,145	14,653	80	72	59	45	64	54	39	29	33	23
2008	2,827	16,896	85	74	68	50	71	58	43	32	38	26
2009	3,237	17,902	84	74	67	49	69	59	44	33	39	27

Table 1.2. Five Year Trends—Average ACT Scores

Year	Number of Students Tested		Average ACT Scores									
			English		Mathematics		Reading		Science		Composite	
	District	State	District	State	District	State	District	State	District	State	District	State
2005	1,421	10,806	21.5	20.5	22.5	20.6	22.4	21.2	21.7	20.6	22.2	20.8
2006	1,524	11,519	21.9	20.6	22.9	21.0	22.8	21.4	21.9	20.7	22.5	21.1
2007	2,145	14,653	22.3	21.0	23.0	21.2	23.2	21.7	22.2	21.1	22.8	21.4
2008	2,827	16,896	23.3	21.5	24.1	21.8	24.0	22.2	22.8	21.3	23.7	21.8
2009	3,237	17,902	23.5	21.7	24.1	21.8	23.9	22.3	22.9	21.4	23.7	21.9

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2005	1,186,251	20.4	20.7	21.3	20.9	20.9
2006	1,206,455	20.6	20.8	21.4	20.9	21.1
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

Total Students in Report: 3,237

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
2005	896	243	63	17	21.9	20.1	22.9	21.2	22.8	21.0	22.0	20.4	22.5	20.8
2006	925	283	61	19	22.5	20.5	23.2	22.2	23.2	21.7	22.3	21.1	22.9	21.5
2007	1,300	402	61	19	22.6	21.2	23.2	22.1	23.4	22.3	22.4	21.6	23.0	21.9
2008	2,336	259	83	9	23.4	21.8	24.2	22.8	24.1	22.9	22.8	21.9	23.7	22.5
2009	3,071	153	95	5	23.8	18.6	24.3	20.4	24.2	19.6	23.1	19.3	23.9	19.6

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

	2005			2006			2007			2008			2009		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	1,421	100	22.2	1,524	100	22.5	2,145	100	22.8	2,827	100	23.7	3,237	100	23.7
African American/Black	198	14	18.0	160	10	18.3	202	9	18.9	246	9	18.8	314	10	19.1
American Indian/Alaska Native	5	0	18.4	2	0	19.0	4	0	23.3	5	0	26.6	6	0	25.3
Caucasian American/White	734	52	23.3	845	55	23.4	1,042	49	23.6	1,552	55	24.3	1,834	57	24.6
Hispanic	111	8	20.5	90	6	21.1	110	5	19.8	170	6	21.5	198	6	21.6
Asian American/Pacific Islander	116	8	21.5	118	8	23.4	185	9	23.4	289	10	24.4	386	12	24.1
Other/No Response	257	18	23.1	309	20	22.2	602	28	23.1	565	20	24.5	499	15	24.1

Section II

Academic Achievement

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	18	100	28	100	57	100	21	100	2	100	36
35	71	99	52	99	32	98	32	99	19	100	35
34	96	97	70	98	98	97	37	98	47	99	34
33	71	94	106	95	150	94	40	97	62	98	33
32	81	92	86	92	96	90	34	96	85	96	32
31	92	90	86	89	154	87	54	95	98	93	31
30	124	87	69	87	172	82	85	93	125	90	30
29	106	83	147	85	120	77	88	91	140	86	29
28	159	80	191	80	168	73	102	88	195	82	28
27	168	75	203	74	122	68	127	85	218	76	27
26	182	70	261	68	138	64	220	81	219	69	26
25	241	64	256	60	145	60	344	74	230	63	25
24	230	56	251	52	180	55	237	63	222	56	24
23	186	49	210	44	182	50	314	56	246	49	23
22	230	44	139	38	187	44	226	46	236	41	22
21	222	37	190	33	240	38	271	39	224	34	21
20	193	30	146	28	165	31	293	31	185	27	20
19	144	24	122	23	197	26	177	22	180	21	19
18	114	19	163	19	89	20	167	17	143	16	18
17	100	16	185	14	134	17	80	11	98	11	17
16	108	13	142	9	108	13	87	9	81	8	16
15	94	9	88	4	83	9	52	6	77	6	15
14	48	6	28	1	92	7	41	5	55	3	14
13	36	5	7	1	46	4	37	3	22	2	13
12	40	4	5	1	35	3	23	2	12	1	12
11	31	3	4	1	27	1	20	1	9	1	11
10	20	2	1	1	6	1	16	1	3	1	10
9	11	1	0	1	6	1	8	1	2	1	9
8	10	1	1	1	4	1	1	1	2	1	8
7	6	1	0	1	1	1	1	1	0	1	7
6	4	1	0	1	0	1	0	1	0	1	6
5	1	1	0	1	3	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	2	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)	23.5 (5.9)		24.1 (5.3)		23.9 (6.2)		22.9 (4.9)		23.7 (5.0)		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 Subtest Score Averages

ACT Scale Score	English				Reading				Mathematics						ACT Scale Score
	Usage/ Mechanics		Rhetorical Skills		Social Studies		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	222	100	95	100	198	100	282	100	309	100	90	100	92	100	18
17	198	93	49	97	228	94	192	91	339	90	81	97	19	97	17
16	255	87	332	96	254	87	397	85	230	80	214	95	212	97	16
15	254	79	298	85	299	79	363	73	307	73	205	88	320	90	15
14	239	71	330	76	221	70	339	62	326	63	513	82	367	80	14
13	293	64	373	66	223	63	160	51	280	53	322	66	500	69	13
12	319	55	479	54	345	56	257	46	344	45	466	56	321	53	12
11	295	45	314	40	250	45	293	39	244	34	354	42	408	43	11
10	310	36	324	30	291	38	227	29	243	27	499	31	359	31	10
9	291	26	243	20	353	29	174	22	160	19	233	15	236	20	9
8	163	17	160	12	217	18	201	17	240	14	133	8	207	12	8
7	157	12	105	7	184	11	131	11	146	7	56	4	63	6	7
6	105	7	48	4	96	5	96	7	42	2	17	2	59	4	6
5	65	4	44	3	43	2	72	4	15	1	32	2	20	2	5
4	40	2	24	1	8	1	29	2	10	1	7	1	20	2	4
3	23	1	12	1	18	1	15	1	1	1	10	1	20	1	3
2	8	1	7	1	6	1	9	1	1	1	3	1	8	1	2
1	0	1	0	1	3	1	0	1	0	1	2	1	6	1	1
Avg (SD)	12.0 (3.7)		12.1 (3.1)		12.0 (3.6)		12.6 (3.7)		12.9 (3.4)		12.1 (2.8)		11.9 (3.0)		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	28	29	26	27
Q2 (50th Percentile)	24	24	24	23	24
Q1 (25th Percentile)	20	20	19	20	20

Total Students in Report: 3,237

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
District	All Students	3,237	95	23.9	19.6
	African American/Black	314	90	19.5	15.9
	American Indian/Alaska Native	6	100	25.3	.
	Caucasian American/White	1,834	96	24.7	20.8
	Hispanic	198	91	22.0	17.6
	Asian American/Pacific Islander	386	97	24.2	21.8
	Other/No Response	499	94	24.2	21.1
State	All Students	17,902	87	22.4	18.5
	African American/Black	3,607	75	18.3	15.4
	American Indian/Alaska Native	60	87	22.3	14.0
	Caucasian American/White	10,770	91	23.4	20.8
	Hispanic	722	90	21.4	17.6
	Asian American/Pacific Islander	953	91	23.8	21.6
	Other/No Response	1,790	85	23.3	19.6

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
District	All Students	23.5	24.1	23.9	22.9	23.7
	African American/Black	18.9	19.4	18.9	18.8	19.1
	American Indian/Alaska Native	25.5	25.5	25.7	24.5	25.3
	Caucasian American/White	24.5	24.6	25.0	23.6	24.6
	Hispanic	20.8	22.3	21.9	21.0	21.6
	Asian American/Pacific Islander	23.4	25.8	23.6	23.3	24.1
	Other/No Response	24.0	24.5	24.2	23.1	24.1
State	All Students	21.7	21.8	22.3	21.4	21.9
	African American/Black	16.8	17.7	17.5	17.7	17.6
	American Indian/Alaska Native	21.0	21.4	22.2	21.2	21.6
	Caucasian American/White	23.1	22.7	23.7	22.5	23.1
	Hispanic	20.5	21.1	21.4	20.6	21.0
	Asian American/Pacific Islander	22.9	24.9	23.2	22.8	23.6
	Other/No Response	22.7	22.7	23.2	22.0	22.8

Total Students in Report: 3,237

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	%
District	33 to 36	256	8	256	8	337	10	130	4
	28 to 32	562	17	579	18	710	22	363	11
	24 to 27	821	25	971	30	585	18	928	29
	20 to 23	831	26	685	21	774	24	1,104	34
	16 to 19	466	14	612	19	528	16	511	16
	13 to 15	178	5	123	4	221	7	130	4
	01 to 12	123	4	11	0	82	3	71	2
State	33 to 36	838	5	609	3	1,210	7	333	2
	28 to 32	2,317	13	1,958	11	3,019	17	1,413	8
	24 to 27	3,675	21	4,329	24	3,015	17	4,168	23
	20 to 23	4,754	27	3,914	22	4,361	24	6,167	34
	16 to 19	3,277	18	5,404	30	3,567	20	3,855	22
	13 to 15	1,694	9	1,595	9	1,880	11	1,232	7
	01 to 12	1,347	8	93	1	850	5	734	4

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Mathematics	Reading	Science	Composite
District	Males	1,396	43	23.1	24.8	23.9	23.5	24.0
	Females	1,825	56	23.8	23.4	23.9	22.4	23.5
	Missing	16	0	26.1	26.8	26.4	25.5	26.2
State	Males	7,631	43	21.1	22.5	22.1	21.9	22.0
	Females	10,216	57	22.1	21.3	22.4	21.1	21.9
	Missing	55	0	23.4	23.7	25.1	23.0	23.9

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	
District	Males	82	71	69	49	43
	Females	86	63	69	40	35
State	Males	71	54	58	37	31
	Females	77	45	60	30	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 % ³	Avg
District	Core or More ²	3,071	86	23.8	68	24.3	71	24.2	45	23.1	40	23.9
	Less than Core	153	51	18.6	37	20.4	38	19.6	21	19.3	16	19.6
	Missing	13	62	20.5	62	22.0	46	20.4	31	20.6	23	20.9
State	Core or More	15,576	79	22.2	53	22.2	63	22.8	36	21.9	30	22.4
	Less than Core	1,856	45	17.7	24	18.6	34	18.8	15	18.3	12	18.5
	Missing	470	48	17.9	28	19.4	35	19.1	15	18.6	11	18.8

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.

³Composite 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
District	Core or More	3,185	85	23.6	3,186	67	24.2	3,169	70	24.0	3,182	44	23.0
	Less than Core	41	66	19.5	38	11	16.6	56	43	20.7	42	19	18.2
	Missing	11	55	19.6	13	62	22.0	12	50	20.5	13	31	20.6
State	Core or More	17,185	75	21.8	16,920	51	22.0	16,898	60	22.4	16,366	35	21.8
	Less than Core	272	57	18.9	528	4	15.6	550	49	20.9	1,079	8	17.1
	Missing	445	49	17.9	454	28	19.4	454	36	19.2	457	15	18.6

¹"Curriculum Taken" reflects content-specific curriculum in this table.

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.

Section III

College Readiness and the Impact of Course Rigor

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

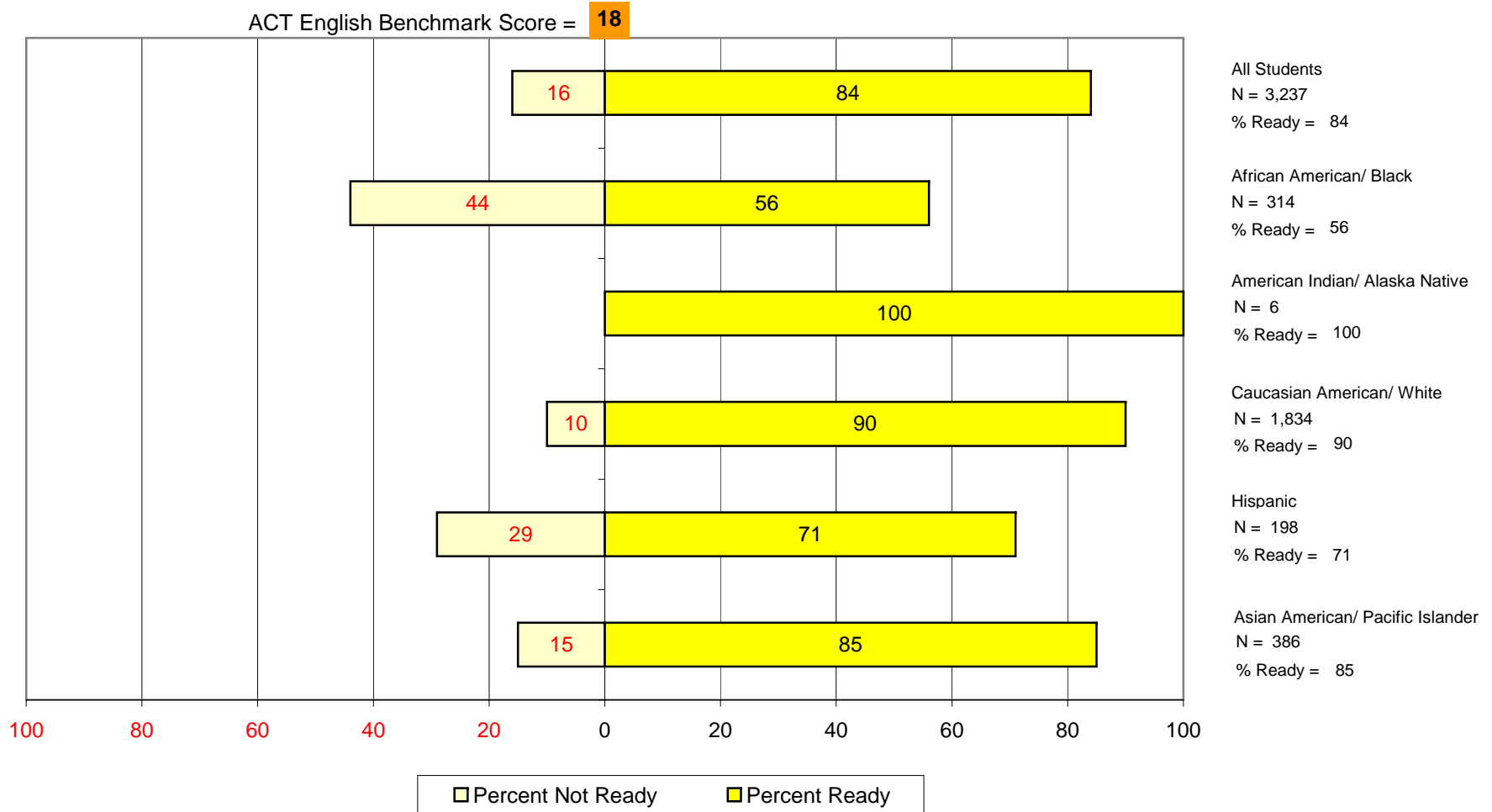


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

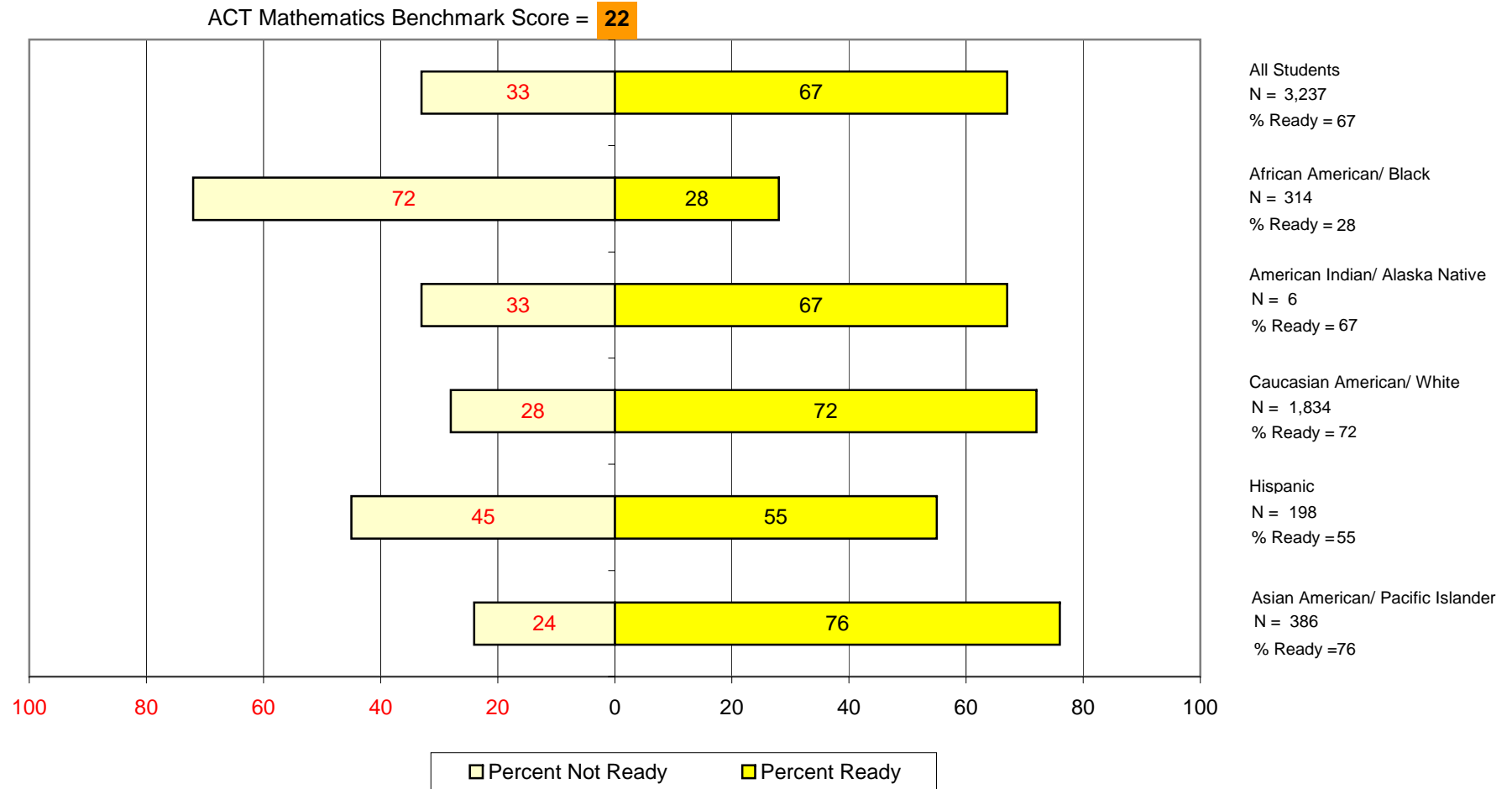


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

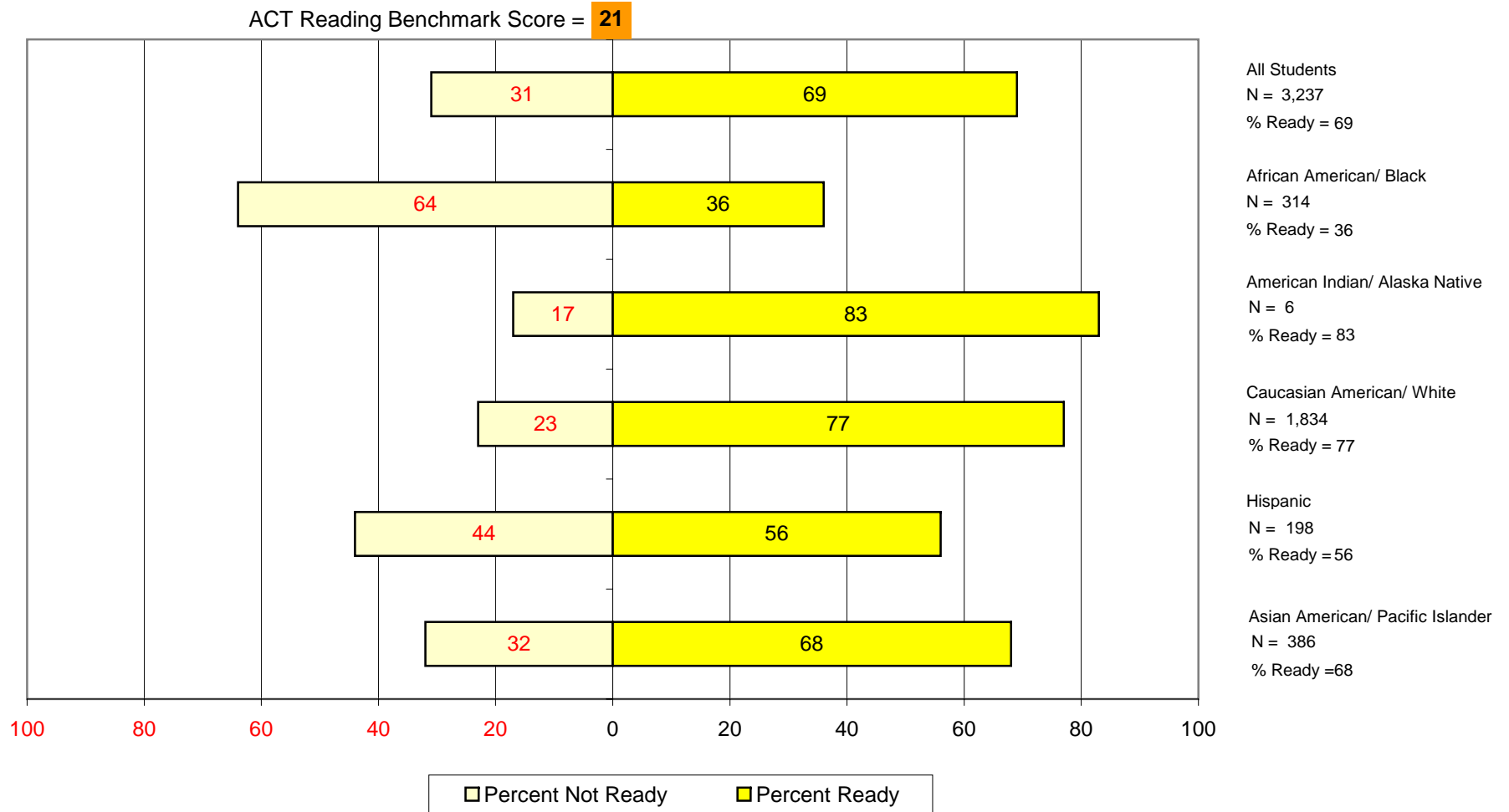


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24

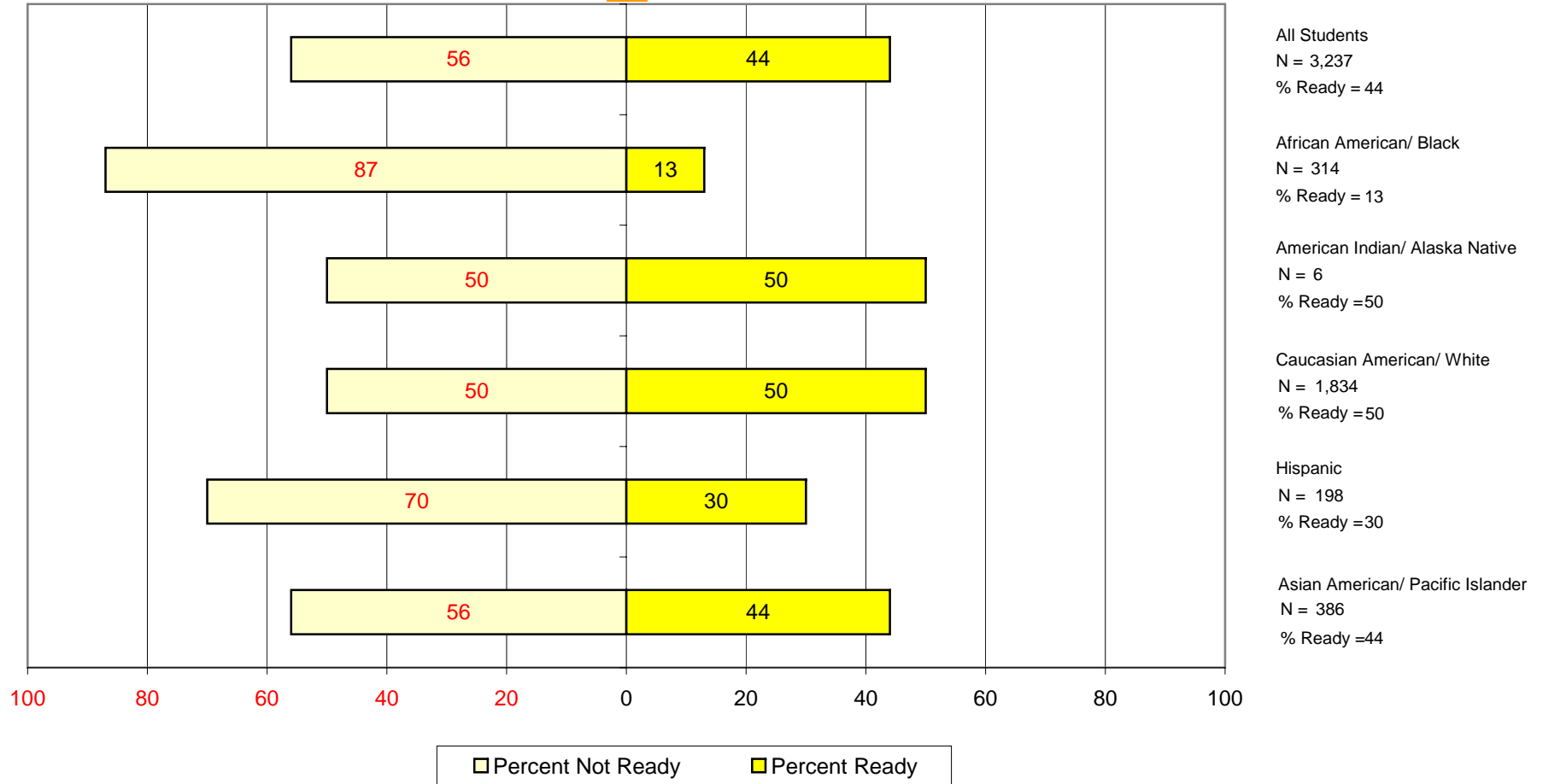
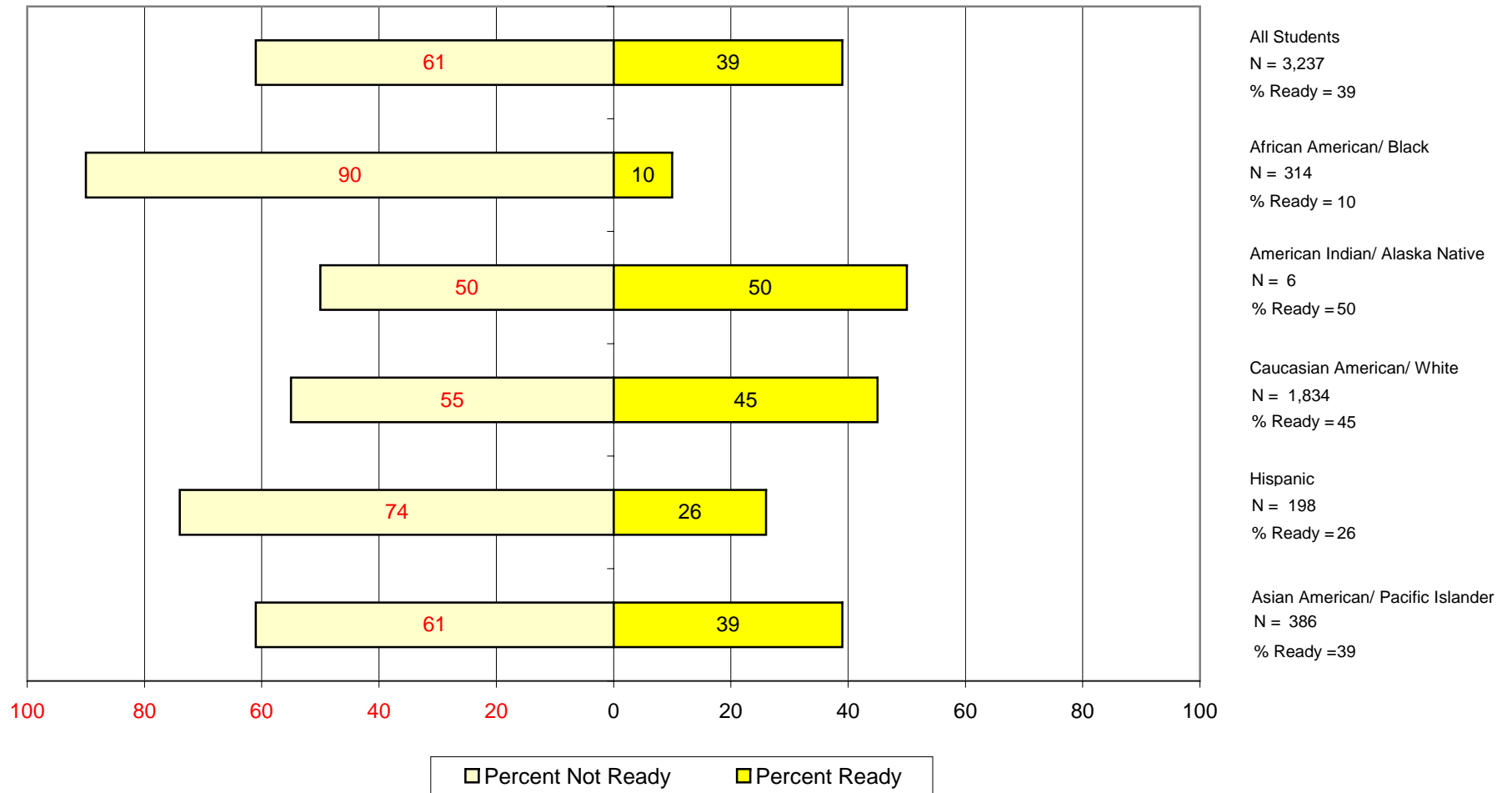


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR



Total Students in Report: 3,237

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	520	16	23.8	4.4	206	15	23.4	4.7	312	17	24.0	3.8
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	2,665	82	23.6	4.2	1,163	83	23.2	4.5	1,489	82	23.8	3.6
Less than 4 years of English	42	1	19.4	-	23	2	18.7	-	19	1	20.2	-
No English course/grade information reported	10	0	20.1	-	4	0	24.0	-	5	0	16.4	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	308	10	27.1	10.4	121	9	27.6	9.8	185	10	26.7	11.6
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	510	16	24.0	7.3	173	12	24.5	6.7	335	18	23.8	8.7
Alg 1, Alg 2, Geom, & Trig	244	8	21.8	5.1	89	6	22.8	5.0	153	8	21.3	6.2
Alg 1, Alg 2, Geom, & Other Adv Math	491	15	21.3	4.6	171	12	21.6	3.8	320	18	21.2	6.1
Other comb of 4 or more years of Math	1,233	38	26.7	10.0	633	45	27.3	9.5	592	32	26.1	11.0
Alg 1, Alg 2, & Geom (Min. Core)	260	8	17.9	1.2	103	7	18.6	0.8	157	9	17.5	2.4
Other comb of 3 or 3.5 years of Math	140	4	21.2	4.5	79	6	21.3	3.5	60	3	21.1	6.0
Less than 3 years of Math	39	1	16.7	-	23	2	17.8	-	16	1	15.1	-
No Math course/grade information reported	12	0	22.0	-	4	0	26.0	-	7	0	19.0	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	522	16	23.9	3.2	272	19	23.1	1.9	250	14	24.7	4.7
Other comb of 4 or more years Social Science	1,290	40	23.7	3.0	530	38	24.0	2.8	753	41	23.5	3.5
US Hist, World Hist, & Am Gov (Min. Core)	545	17	24.4	3.7	268	19	24.8	3.6	274	15	24.0	4.0
Other comb of 3 or 3.5 years of Social Science	812	25	24.3	3.6	290	21	23.9	2.7	517	28	24.5	4.5
Less than 3 years of Social Science	57	2	20.7	-	32	2	21.2	-	25	1	20.0	-
No Soc Sci course/grade information reported	11	0	20.6	-	4	0	23.5	-	6	0	18.3	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	2,170	67	23.1	4.8	994	71	23.6	7.0	1,166	64	22.6	3.1
Bio, Chem, Phys	639	20	24.4	6.1	234	17	25.7	9.1	401	22	23.6	4.1
Gen Sci ² , Bio, Chem (Min. Core)	346	11	19.9	1.6	132	9	20.1	3.5	213	12	19.7	0.2
Other comb of 3 years of Natural Science	27	1	19.0	0.7	13	1	19.7	3.1	14	1	18.4	-1.1
Less than 3 years of Natural Science	43	1	18.3	-	19	1	16.6	-	24	1	19.5	-
No Nat Sci course/grade information reported	12	0	20.8	-	4	0	23.3	-	7	0	19.0	-

¹Course value added is defined as the average ACT score change compared to a less than core course sequence.

²Includes General, Physical and Earth Sciences.

Table 3.2. College Readiness Percents by Common Course Patterns

Course Pattern	District				State			
	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	520	16	23.8	83	3,324	19	22.6	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	2,665	82	23.6	85	13,861	77	21.6	74
Less than 4 years of English	42	1	19.4	64	275	2	18.9	57
No English course/grade information reported	10	0	20.1	60	442	2	17.9	49
MATHEMATICS COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	308	10	27.1	92	1,530	9	25.0	79
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	510	16	24.0	76	2,502	14	22.1	56
Alg 1, Alg 2, Geom, & Trig	244	8	21.8	54	1,670	9	19.8	32
Alg 1, Alg 2, Geom, & Other Adv Math	491	15	21.3	47	2,386	13	19.9	33
Other comb of 4 or more years of Math	1,233	38	26.7	82	6,208	35	24.5	70
Alg 1, Alg 2, & Geom (Min. Core)	260	8	17.9	15	1,858	10	17.1	9
Other comb of 3 or 3.5 years of Math	140	4	21.2	46	766	4	19.5	30
Less than 3 years of Math	39	1	16.7	13	536	3	15.7	4
No Math course/grade information reported	12	0	22.0	58	446	2	19.4	28
SOCIAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	522	16	23.9	70	2,431	14	23.0	63
Other comb of 4 or more years Social Science	1,290	40	23.7	68	7,199	40	22.8	63
US Hist, World Hist, & Am Gov (Min. Core)	545	17	24.4	71	2,600	15	21.4	53
Other comb of 3 or 3.5 years of Social Science	812	25	24.3	72	4,668	26	22.1	58
Less than 3 years of Social Science	57	2	20.7	42	555	3	21.0	49
No Soc Sci course/grade information reported	11	0	20.6	55	449	3	19.1	35
NATURAL SCIENCE COURSE PATTERN								
	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	2,170	67	23.1	45	9,351	52	22.5	40
Bio, Chem, Phys	639	20	24.4	57	1,445	8	24.5	59
Gen Sci ¹ , Bio, Chem (Min. Core)	346	11	19.9	20	5,203	29	20.1	21
Other comb of 3 years of Natural Science	27	1	19.0	15	367	2	18.9	16
Less than 3 years of Natural Science	43	1	18.3	19	1,086	6	17.2	8
No Nat Sci course/grade information reported	12	0	20.8	33	450	3	18.6	15

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

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 Sciences & Technologies	15	0	21.7	0	0	.	15	1	21.7
Architecture & Environmental Design	58	2	24.0	1	6	15.0	55	2	24.3
Business & Management	460	14	22.8	2	13	11.5	413	14	22.8
Business & Office	15	0	20.5	0	0	.	13	0	20.0
Marketing & Distribution	79	2	22.1	1	6	15.0	71	2	21.9
Communications & Comm. Technologies	110	3	24.1	1	6	26.0	100	3	23.9
Community & Personal Services	52	2	20.5	0	0	.	45	2	20.8
Computer & Information Sciences	82	3	23.8	1	6	14.0	72	2	23.8
Cross-Disciplinary Studies	21	1	24.6	0	0	.	19	1	24.3
Education	90	3	23.2	2	13	14.5	83	3	23.3
Teacher Education	62	2	21.2	0	0	.	57	2	21.1
Engineering	165	5	26.4	0	0	.	158	5	26.4
Engineering-Related Technologies	116	4	24.6	0	0	.	103	4	24.4
Foreign Languages	28	1	25.5	0	0	.	28	1	25.5
Health Sciences & Allied Health Fields	349	11	22.8	2	13	17.5	319	11	22.8
Human, Family & Consumer Science	17	1	19.7	0	0	.	15	1	20.0
Letters	20	1	25.7	0	0	.	18	1	25.3
Mathematics	32	1	27.2	0	0	.	30	1	26.9
Philosophy, Religion & Theology	15	0	22.9	0	0	.	13	0	23.8
Sciences (Biological & Physical)	254	8	25.5	1	6	13.0	224	8	25.4
Social Sciences	338	10	23.9	0	0	.	317	11	23.9
Trade & Industrial	6	0	22.0	2	13	22.5	4	0	21.8
Visual & Performing Arts	211	7	23.1	1	6	19.0	184	6	23.0
Undecided	623	19	24.2	2	13	19.0	521	18	24.1
No Response	19	1	21.1	0	0	.	10	0	21.1

¹2-Year and 4-Year "N" counts do not reflect "Missing" and "Other" institution types, 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).

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

Educational Degree Aspirations	All Racial/Ethnic Groups Combined		African American/Black		American Indian/Alaska Native		Caucasian American/White		Hispanic		Asian American/Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	1	19.0	0	.	0	.	1	19.0	0	.	0	.	0	.
2-yr College Degree	15	16.9	7	14.9	0	.	4	20.3	1	12.0	1	15.0	2	20.5
Bachelors Degree	1,022	21.8	98	17.1	1	19.0	676	22.6	48	20.2	76	21.1	123	22.3
Graduate Study	910	24.5	73	20.2	1	24.0	572	25.4	59	22.6	85	24.0	120	23.7
Prof. Level Degree	955	25.0	117	20.4	3	26.3	424	26.4	70	22.0	176	25.3	165	25.4
Other	38	21.3	2	18.5	1	30.0	19	21.8	8	18.1	5	25.6	3	18.7
No Response	296	24.7	17	19.3	0	.	138	25.4	12	22.6	43	24.9	86	24.9

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	
JAMES MADISON UNIVERSITY	Virginia	508	142	366	0	2	12	32	36	16	2	
GEORGE MASON UNIVERSITY	Virginia	478	147	331	1	5	20	35	28	10	1	
VIRGINIA TECH	Virginia	466	140	326	0	2	6	24	39	24	5	
UNIV OF VIRGINIA-MAIN CAMPUS	Virginia	313	122	191	0	0	4	9	38	38	11	
VIRGINIA COMMONWEALTH UNIVERSITY	Virginia	282	66	216	1	5	22	43	22	7	0	
CHRISTOPHER NEWPORT UNIVERSITY	Virginia	269	75	194	1	3	15	36	31	13	1	
OLD DOMINION UNIVERSITY	Virginia	235	34	201	1	10	29	38	16	6	0	
RADFORD UNIVERSITY	Virginia	203	50	153	1	7	30	41	19	2	0	
COLLEGE OF WILLIAM AND MARY	Virginia	180	43	137	0	0	1	8	33	45	12	
UNIVERSITY OF MARY WASHINGTON	Virginia	143	17	126	1	2	13	29	34	18	3	
LONGWOOD UNIVERSITY	Virginia	95	23	72	1	5	28	40	21	3	1	
EAST CAROLINA UNIVERSITY	North Carolina	72	12	60	0	6	25	44	24	1	0	
WEST VIRGINIA UNIVERSITY	West Virginia	69	17	52	0	3	23	46	23	4	0	
NCAA ELIGIBILITY CENTER	Indiana	59	38	21	2	5	27	22	31	10	3	
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	55	13	42	0	2	5	36	33	22	2	
UNIVERSITY OF MARYLAND COLLEGE PARK	Maryland	51	7	44	0	6	8	35	39	12	0	
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	45	8	37	0	2	11	31	44	11	0	
BRIGHAM YOUNG UNIVERSITY	Utah	41	34	7	0	2	7	12	37	27	15	
GEORGETOWN UNIVERSITY	District of Columbia	40	12	28	0	3	10	30	18	38	3	
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	38	7	31	0	0	0	13	32	47	8	
CLEMSON UNIVERSITY	South Carolina	35	3	32	0	3	0	26	40	31	0	
BOSTON UNIVERSITY	Massachusetts	34	11	23	0	0	3	26	29	35	6	
MARYMOUNT UNIVERSITY	Virginia	34	7	27	3	9	41	32	9	6	0	
GEORGE WASHINGTON UNIVERSITY THE	District of Columbia	33	5	28	0	6	15	21	27	27	3	
LYNCHBURG COLLEGE	Virginia	33	6	27	3	0	27	42	15	12	0	
UNITED STATES NAVAL ACADEMY	Maryland	30	17	13	0	0	10	27	27	37	0	
UNIVERSITY OF TENNESSEE-KNOXVILLE	Tennessee	29	5	24	0	0	17	31	21	28	3	
UNIVERSITY OF DELAWARE	Delaware	27	3	24	0	0	7	33	41	15	4	
ELON UNIVERSITY	North Carolina	25	11	14	0	0	4	20	40	36	0	
NORTH CAROLINA STATE UNIV AT RALEIGH	North Carolina	25	6	19	0	0	4	32	52	12	0	
All Other Institutions		2,081	530	1,551	1	5	15	25	26	24	5	
Total		6,028	1,611	4,417	1	4	15	28	29	20	4	

Section V Optional Writing Test Results

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	
			District	State	District	State	District	State
All Students	2,455	11,474	24.2	22.7	7.7	7.3	23.2	21.8
African American/Black	201	1,954	20.1	17.6	7.1	6.5	19.8	17.3
American Indian/Alaska Native	6	42	25.5	22.5	7.2	6.9	23.8	21.3
Caucasian American/White	1,401	6,999	24.9	24.0	7.7	7.4	23.9	22.9
Hispanic	141	487	21.2	21.3	7.4	7.3	20.9	20.8
Asian American/Pacific Islander	307	720	24.1	23.7	7.8	7.7	23.3	22.9
Other/No Response	399	1,272	24.6	23.7	7.6	7.5	23.5	22.7
Males	1,003	4,592	23.9	22.3	7.4	7.0	22.8	21.3
Females	1,438	6,838	24.3	23.0	7.9	7.4	23.5	22.2
Missing	14	44	26.1	24.5	7.6	7.3	24.7	23.3

