

ACT High School Profile Report

The Graduating Class of 2006
North Carolina



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Section I: Executive Summary	P. 5
Section II: Academic Achievement	P. 9
Section III: College Readiness & the Impact of Course Rigor	P. 14
Section IV: Career and Educational Aspirations	P. 22
Section V: Optional Writing Test Results	P. 26



This report provides information about the performance of your 2006 graduating seniors who took the ACT as sophomores, juniors, or seniors.

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 - college and universities to which your students send test results

Each year, the graduating class data for a school, district, state, and the nation 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, state, or the nation.

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: A Test Like No Other

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

19% of 2006 graduates 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. 10,359 ACT-tested graduates 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. 52% 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 10% of the cohort took less than three years of math courses. Of these students, 29% were college ready. 7% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 15% of these students were college ready. In comparison, 46% of the students who advanced beyond minimum 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 19% of the cohort took less than three years of natural science courses. 11% of these students were college ready. In comparison, 26% of students who took at least three years of science coursework were college ready.

EVALUATING RIGOR OF COURSES. Table 2.4 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 47% 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.

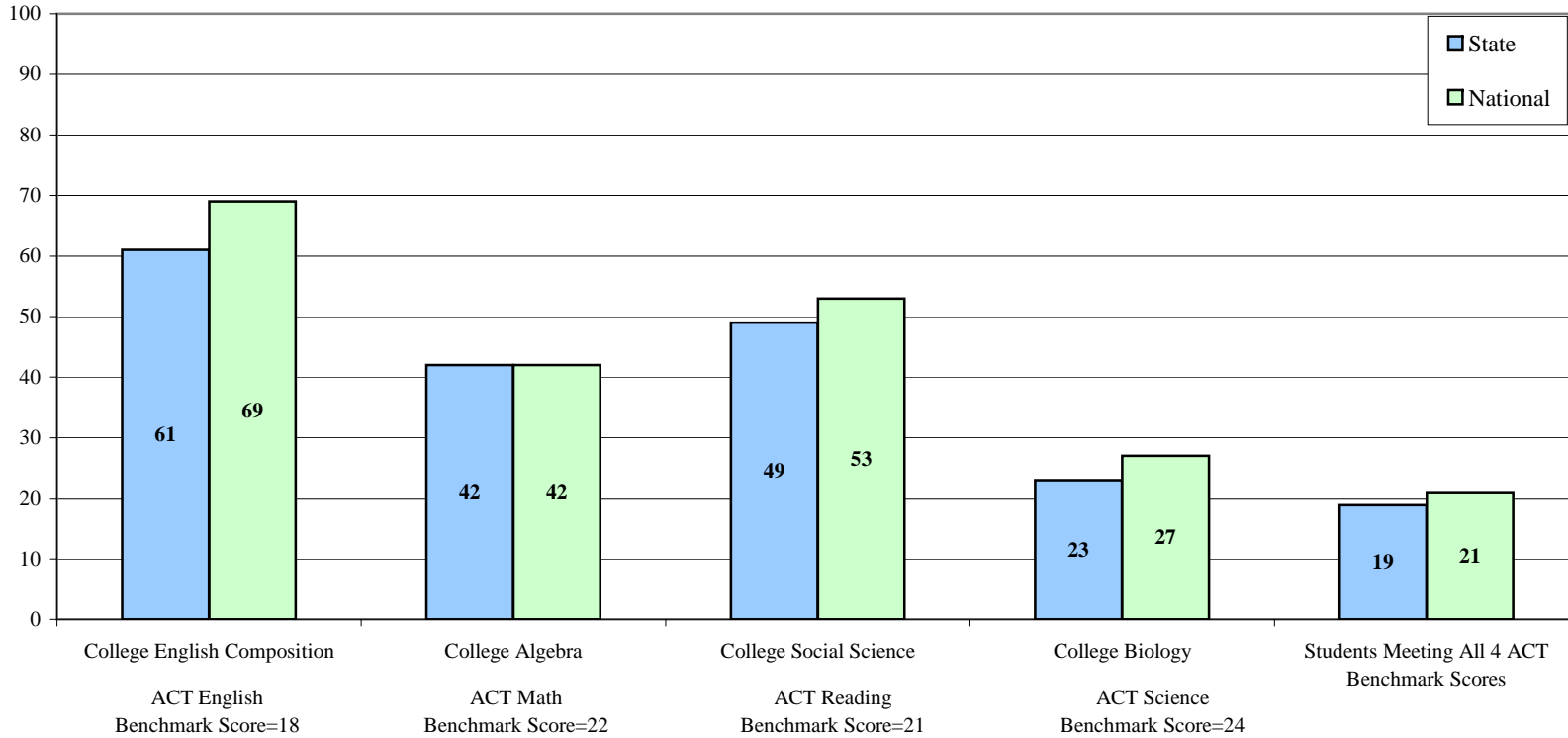
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 ACT-Tested 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 courses.

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

Grad Year	Number of Students Tested		Percent Meeting Benchmarks									
			English		Mathematics		Reading		Science		Meeting All Four	
	State	National	State	National	State	National	State	National	State	National	State	National
2002	9,129	1,116,082	58	67	34	39	45	53	19	26	16	20
2003	10,477	1,175,059	57	67	36	40	44	52	20	26	16	20
2004	10,449	1,171,460	60	68	38	40	46	52	21	26	17	21
2005	10,697	1,186,251	59	68	38	41	46	51	21	26	17	21
2006	10,359	1,206,455	61	69	42	42	49	53	23	27	19	21

Table 1.2. Five Year Trends—Average ACT Scores

Grad 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
2002	9,129	1,116,082	19.0	20.2	20.0	20.6	20.2	21.1	19.8	20.8	19.9	20.8
2003	10,477	1,175,059	19.0	20.3	20.1	20.6	20.2	21.2	19.9	20.8	19.9	20.8
2004	10,449	1,171,460	19.4	20.4	20.4	20.7	20.6	21.3	20.1	20.9	20.3	20.9
2005	10,697	1,186,251	19.3	20.4	20.4	20.7	20.6	21.3	20.0	20.9	20.2	20.9
2006	10,359	1,206,455	19.6	20.6	20.9	20.8	20.9	21.4	20.2	20.9	20.5	21.1

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
2002	1,116,082	20.2	20.6	21.1	20.8	20.8
2003	1,175,059	20.3	20.6	21.2	20.8	20.8
2004	1,171,460	20.4	20.7	21.3	20.9	20.9
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

Table 1.4. Five Year Trends—Average ACT Scores by Level of Preparation

Grad Year	Number of Students Tested		Percent ¹		Average ACT Scores									
	Core or More	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
2002	4,928	3,470	54	38	20.4	17.0	21.1	18.4	21.5	18.3	20.8	18.4	21.1	18.2
2003	5,394	4,156	51	40	20.4	17.0	21.3	18.5	21.6	18.4	20.9	18.5	21.2	18.2
2004	5,461	3,892	52	37	20.8	17.2	21.5	18.7	22.0	18.6	21.1	18.6	21.5	18.4
2005	5,491	3,918	51	37	20.6	17.1	21.5	18.8	21.9	18.7	21.0	18.6	21.4	18.4
2006	5,408	3,464	52	33	20.7	17.5	21.8	19.2	22.0	19.1	21.1	18.8	21.5	18.8

¹Percent of all students tested. Numbers will not add up to 100% due to student non-response.

Table 1.5. Five-Year Trends—Number, Percentage, and Average Composite Score for ACT-Tested Graduates by Race/Ethnicity

	2002			2003			2004			2005			2006		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	9,129	100	19.9	10,477	100	19.9	10,449	100	20.3	10,697	100	20.2	10,359	100	20.5
African American/Black	2,516	28	16.4	2,996	29	16.3	2,984	29	16.8	3,174	30	16.6	2,755	27	16.8
American Indian/Alaskan Native	98	1	18.6	112	1	18.2	113	1	18.7	126	1	18.4	94	1	18.3
Caucasian American/White	5,546	61	21.4	6,182	59	21.5	6,101	58	21.8	6,019	56	21.9	5,671	55	22.0
Hispanic	172	2	18.9	194	2	19.3	211	2	19.4	262	2	19.5	260	3	20.5
Asian American/Pacific Islander	184	2	21.0	260	2	21.6	268	3	22.0	254	2	21.8	226	2	22.8
Other/No Response	613	7	20.5	733	7	21.0	772	7	20.9	862	8	21.2	1,353	13	21.5

Section II

Academic Achievement

Table 2.1. ACT Score Distributions, Cumulative Percentages (CP¹), and Score Averages for All Students

ACT Scale Score	English		Mathematics		Reading		Science		Composite		ACT Scale Score
	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	
36	8	100	19	100	56	100	17	100	1	100	36
35	52	100	32	100	93	99	43	100	17	100	35
34	108	99	87	100	170	99	42	99	28	100	34
33	79	98	75	99	164	97	42	99	48	100	33
32	78	98	88	98	169	95	42	99	85	99	32
31	158	97	113	97	221	94	86	98	146	98	31
30	169	95	139	96	226	92	60	97	180	97	30
29	227	94	253	95	263	89	109	97	205	95	29
28	277	92	288	92	305	87	169	96	265	93	28
27	250	89	431	89	409	84	276	94	385	91	27
26	296	86	539	85	411	80	443	91	422	87	26
25	481	84	591	80	420	76	430	87	464	83	25
24	438	79	627	74	523	72	581	83	586	78	24
23	443	75	545	68	584	67	750	77	628	73	23
22	637	70	516	63	494	61	808	70	659	67	22
21	679	64	555	58	541	56	776	62	705	60	21
20	796	58	624	53	657	51	1,006	55	854	53	20
19	636	50	616	47	618	45	1,063	45	755	45	19
18	527	44	747	41	524	39	883	35	775	38	18
17	511	39	1,075	34	670	34	654	26	755	30	17
16	645	34	1,049	23	527	27	571	20	682	23	16
15	664	28	679	13	506	22	396	15	603	17	15
14	638	21	454	6	678	17	352	11	485	11	14
13	326	15	142	2	411	11	242	7	329	6	13
12	330	12	40	1	358	7	185	5	182	3	12
11	260	9	19	1	213	3	174	3	75	1	11
10	194	6	10	1	65	1	89	2	22	1	10
9	181	4	3	1	39	1	35	1	10	1	9
8	152	3	2	1	23	1	17	1	6	1	8
7	87	1	0	1	3	1	9	1	0	1	7
6	17	1	1	1	8	1	6	1	2	1	6
5	13	1	0	1	6	1	3	1	0	1	5
4	2	1	0	1	2	1	0	1	0	1	4
3	0	1	0	1	1	1	0	1	0	1	3
2	0	1	0	1	0	1	0	1	0	1	2
1	0	1	0	1	1	1	0	1	0	1	1
Average	19.6		20.9		20.9		20.2		20.5		Average

¹Note: CP is the cumulative percent of students at or below a score point. Also, 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 for All Students

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 ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	N	CP ¹	
18	220	100	42	100	135	100	322	100	279	100	64	100	65	100	18
17	410	98	130	100	505	99	547	97	366	97	146	99	91	99	17
16	345	94	318	98	412	94	641	92	654	94	169	98	212	98	16
15	398	91	491	95	527	90	744	85	600	87	337	96	455	96	15
14	592	87	663	91	513	85	642	78	786	82	830	93	691	92	14
13	515	81	617	84	727	80	770	72	936	74	730	85	994	85	13
12	757	76	922	78	1,008	73	948	65	1,110	65	1,485	78	1,066	76	12
11	877	69	1,296	69	902	63	782	55	772	54	1,012	64	997	65	11
10	1,114	60	1,190	57	943	54	912	48	983	47	1,712	54	1,748	56	10
9	982	50	1,310	45	1,236	45	867	39	808	37	1,786	37	1,252	39	9
8	918	40	1,128	33	1,202	33	753	31	1,292	30	877	20	999	27	8
7	996	31	837	22	797	22	727	23	1,077	17	325	12	676	17	7
6	848	22	575	14	725	14	868	16	471	7	355	9	563	11	6
5	573	13	493	8	312	7	443	8	138	2	291	5	73	5	5
4	430	8	235	3	221	4	293	4	59	1	104	2	270	5	4
3	276	4	77	1	117	2	74	1	21	1	94	1	35	2	3
2	97	1	31	1	45	1	24	1	7	1	13	1	132	2	2
1	11	1	4	1	32	1	2	1	0	1	29	1	40	1	1
Average	9.8		10.0		10.3		10.8		11.1		10.5		10.2		Average

¹Note: CP is the cumulative percent of students at or below a score point.

Table 2.3. Average ACT Composite Scores by Level of Preparation by Race/Ethnicity

Student Group	Race/Ethnicity	Number of Students Tested	Percent Taking Core or More	Average ACT Composite Score	
				Core or More	Less Than Core
State	All Students	10,359	52	21.5	18.8
	African Am./Black	2,755	46	18.0	15.8
	Am. Indian/Alaskan Native	94	49	19.3	17.1
	Caucasian Am./White	5,671	56	22.8	20.7
	Hispanic	260	60	21.4	18.9
	Asian Am./Pacific Islander	226	65	22.9	22.7
	Other/No Response	1,353	44	22.4	20.0
National	All Students	1,206,455	54	22.0	19.7
	African Am./Black	139,118	53	17.8	16.2
	Am. Indian/Alaskan Native	13,635	48	20.2	17.5
	Caucasian Am./White	760,084	56	22.9	20.6
	Hispanic	85,796	52	19.5	17.6
	Asian Am./Pacific Islander	39,867	60	22.9	21.1
	Other/No Response	167,955	41	22.2	19.8

Table 2.4. 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	247	2	213	2	483	5	144	1
	28 to 32	909	9	881	9	1,184	11	466	4
	24 to 27	1,465	14	2,188	21	1,763	17	1,730	17
	20 to 23	2,555	25	2,240	22	2,276	22	3,340	32
	16 to 19	2,319	22	3,487	34	2,339	23	3,171	31
	13 to 15	1,628	16	1,275	12	1,595	15	990	10
	01 to 12	1,236	12	75	1	719	7	518	5
National	33 to 36	35,933	3	24,395	2	56,816	5	18,798	2
	28 to 32	126,394	10	103,455	9	150,082	12	67,815	6
	24 to 27	205,310	17	250,510	21	224,470	19	238,007	20
	20 to 23	321,306	27	264,179	22	280,741	23	419,135	35
	16 to 19	267,738	22	399,519	33	269,040	22	326,445	27
	13 to 15	149,825	12	154,528	13	156,903	13	90,944	8
	01 to 12	99,949	8	9,869	1	68,403	6	45,311	4

Table 2.5. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	3,999	39	18.8	21.3	20.2	20.5	20.3
	Females	5,862	57	20.0	20.5	21.3	20.0	20.6
	Missing	498	5	20.5	21.7	21.9	20.8	21.4
National	Males	517,563	43	20.1	21.5	21.1	21.4	21.2
	Females	646,688	54	21.0	20.3	21.6	20.5	21.0
	Missing	42,204	3	20.6	21.1	21.6	20.8	21.1

Table 2.6. Percent of Students Meeting College Readiness Benchmark Scores by Gender

Student Group	Gender	Percent of Students				Meet All Four
		English	Math	Reading	Science	
State	Males	55	45	44	26	21
	Females	65	40	52	20	17
National	Males	66	47	51	32	25
	Females	71	37	55	23	18

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

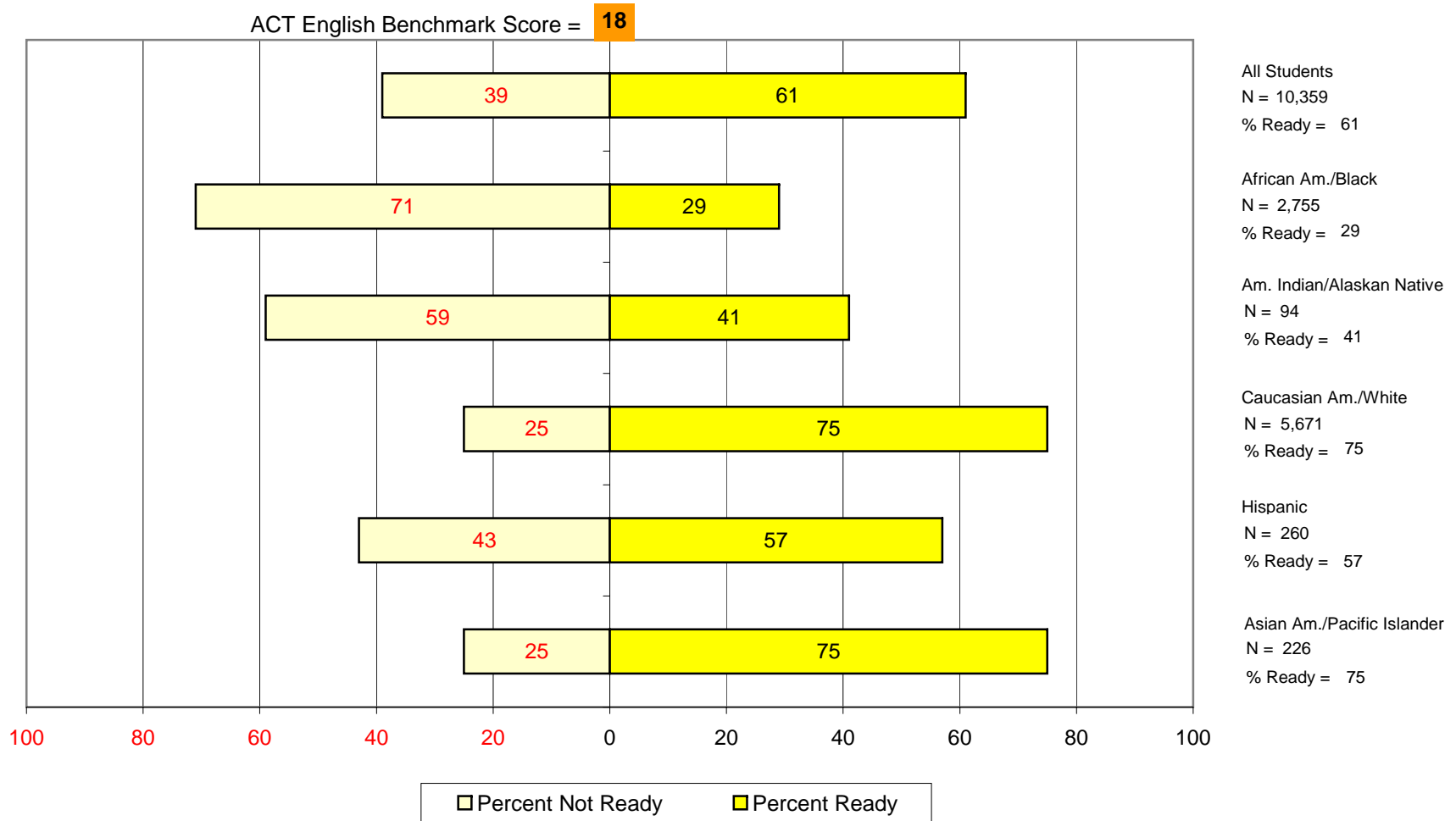


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

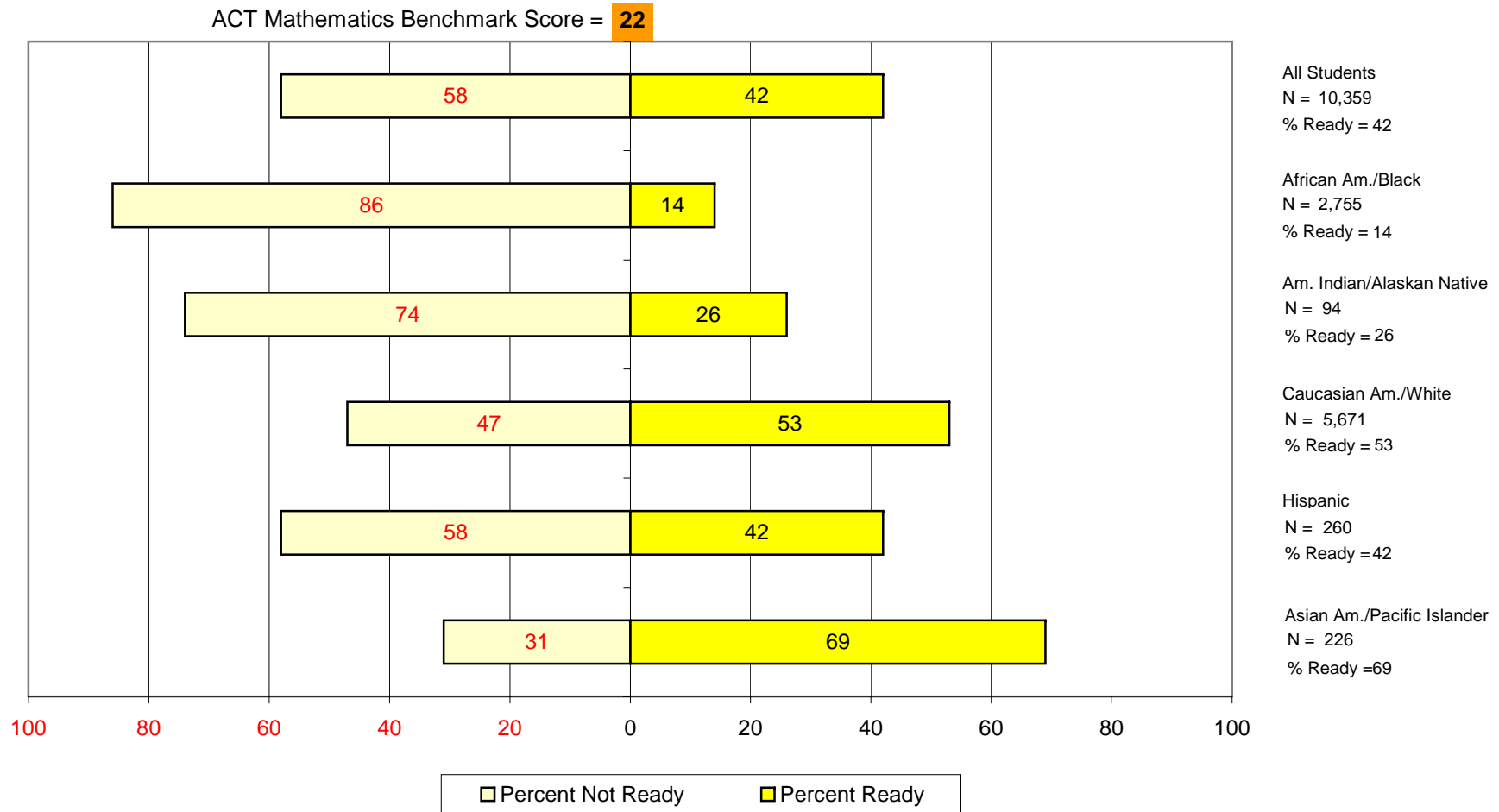


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

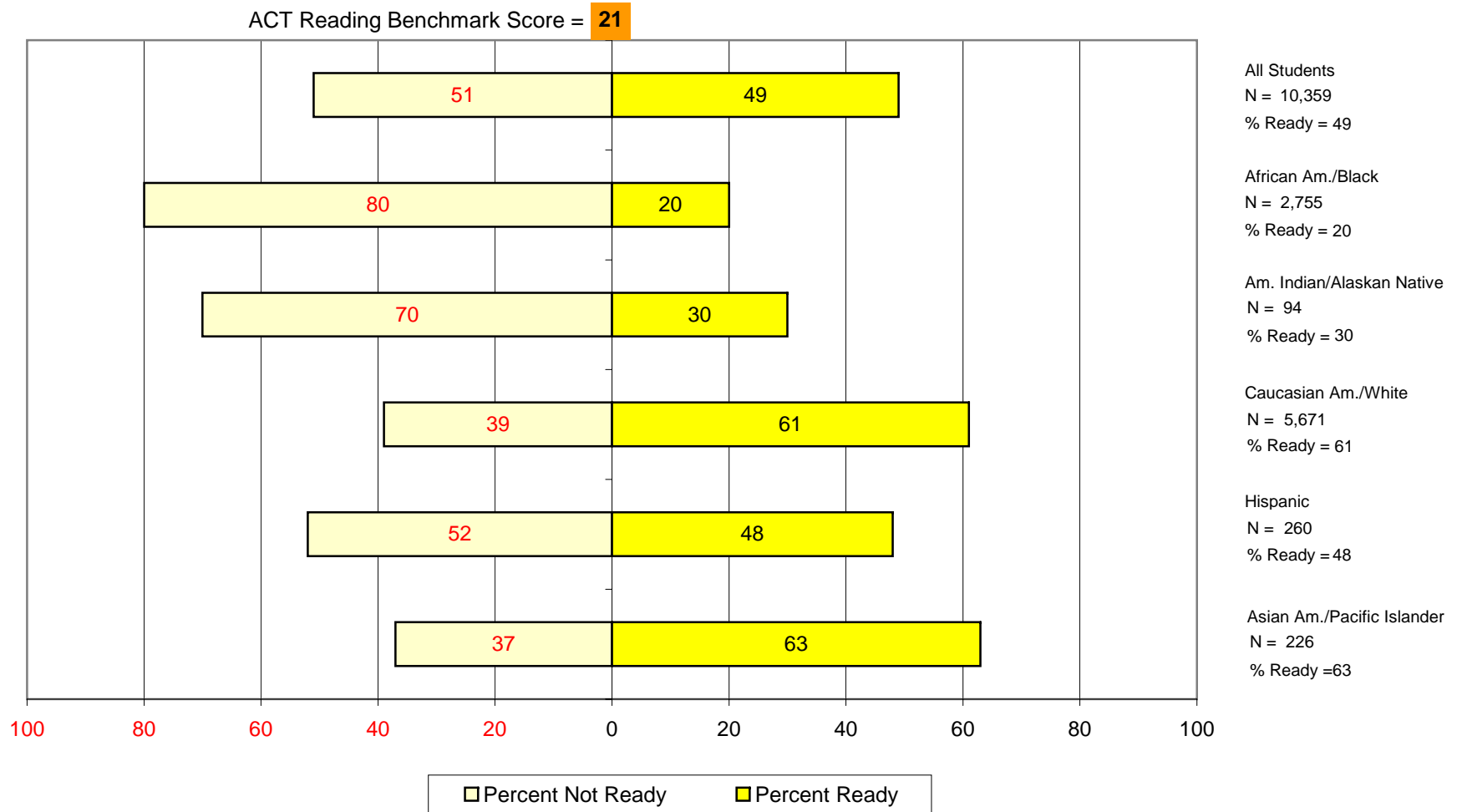


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

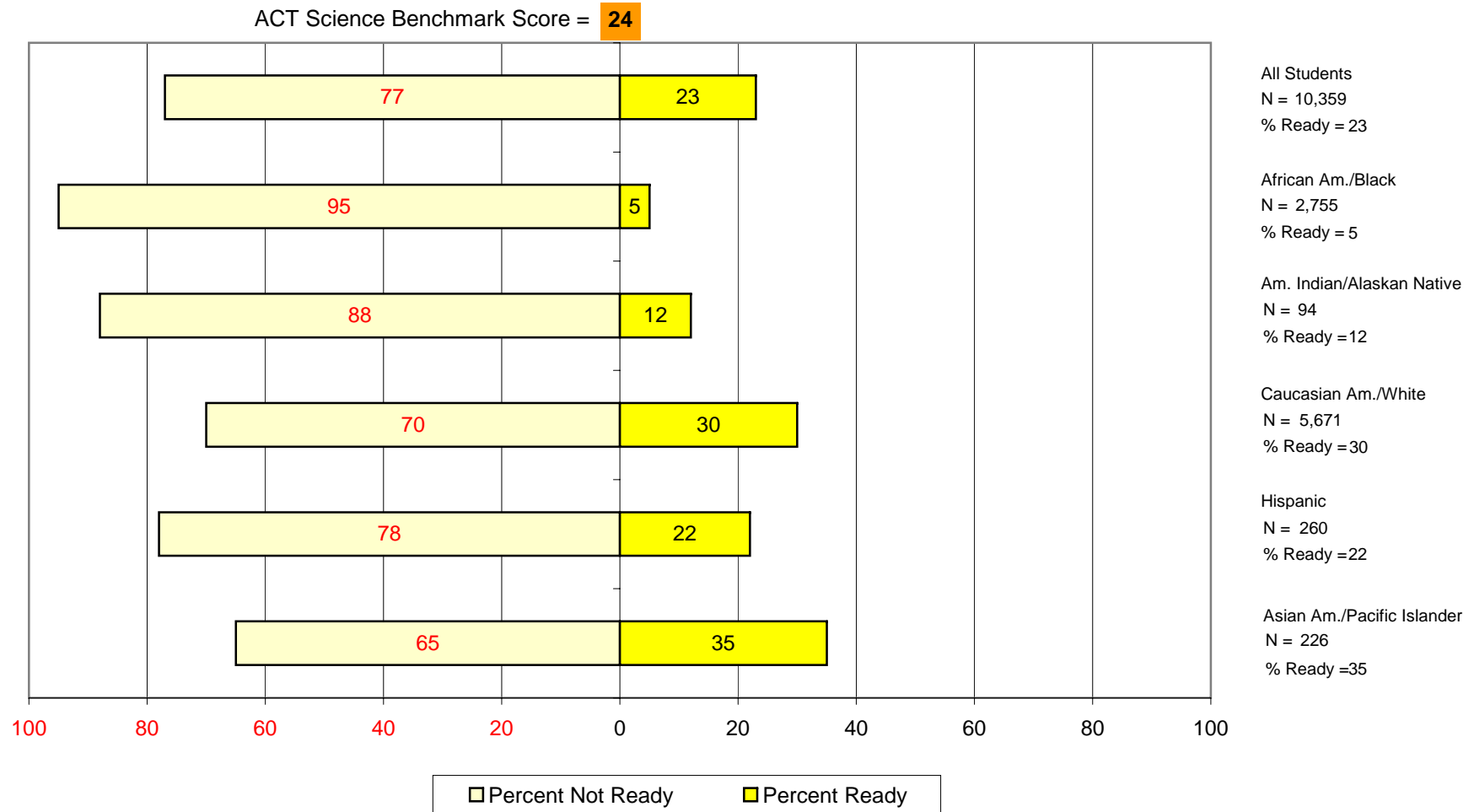


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

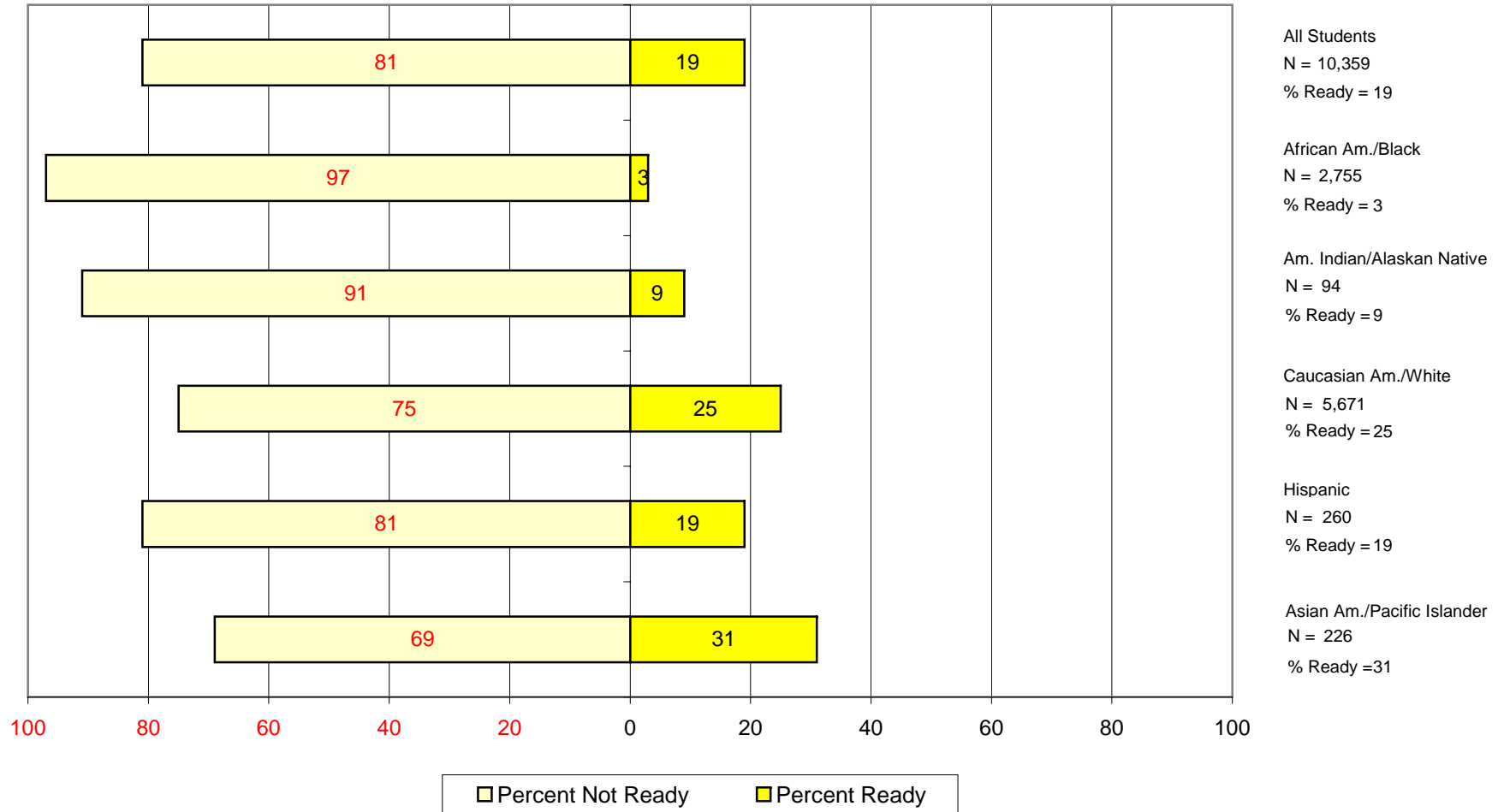


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	964	9	21.2	2.0	324	8	20.8	2.2	609	10	21.4	1.9
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	6,709	65	19.3	0.1	2,504	63	18.5	-0.1	3,959	68	19.7	0.2
Less than 4 years of English	1,131	11	19.2	-	449	11	18.6	-	619	11	19.5	-
No English course/grade information reported	1,555	15	19.9	-	722	18	19.0	-	675	12	20.9	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	349	3	25.0	5.9	129	3	25.2	6.2	200	3	24.8	5.7
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	720	7	22.0	2.9	224	6	22.6	3.6	455	8	21.7	2.6
Alg 1, Alg 2, Geom, & Trig	478	5	19.2	0.1	175	4	19.5	0.5	288	5	18.9	-0.2
Alg 1, Alg 2, Geom, & Other Adv Math	2,983	29	19.3	0.2	1,017	25	19.8	0.8	1,850	32	19.0	-0.1
Other comb of 4 or more years of Math	2,055	20	24.1	5.0	830	21	24.7	5.7	1,165	20	23.6	4.5
Alg 1, Alg 2, & Geom (Min. Core)	688	7	17.5	-1.6	287	7	18.0	-1.0	382	7	17.2	-1.9
Other comb of 3 or 3.5 years of Math	408	4	21.3	2.2	165	4	21.4	2.4	227	4	21.2	2.1
Less than 3 years of Math	1,049	10	19.1	-	418	10	19.0	-	586	10	19.1	-
No Math course/grade information reported	1,629	16	21.2	-	754	19	21.3	-	709	12	21.0	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	533	5	22.2	2.8	219	5	21.6	3.0	295	5	22.6	2.8
Other comb of 4 or more years Social Science	2,067	20	22.7	3.3	694	17	22.7	4.1	1,290	22	22.8	3.0
US Hist, World Hist, & Am Gov (Min. Core)	1,709	16	19.8	0.4	711	18	19.4	0.8	960	16	20.1	0.3
Other comb of 3 or 3.5 years of Social Science	2,472	24	20.9	1.5	851	21	20.1	1.5	1,521	26	21.2	1.4
Less than 3 years of Social Science	1,876	18	19.4	-	748	19	18.6	-	1,040	18	19.8	-
No Soc Sci course/grade information reported	1,702	16	21.1	-	776	19	20.1	-	756	13	21.9	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	2,228	22	22.4	4.1	971	24	23.2	5.2	1,179	20	21.8	3.4
Bio, Chem, Phys	166	2	24.2	5.9	78	2	24.7	6.7	81	1	23.7	5.3
Gen Sci ² , Bio, Chem (Min. Core)	4,109	40	19.9	1.6	1,248	31	20.1	2.1	2,690	46	19.7	1.3
Other comb of 3 years of Natural Science	215	2	17.7	-0.6	97	2	18.1	0.1	106	2	17.2	-1.2
Less than 3 years of Natural Science	1,926	19	18.3	-	824	21	18.0	-	1,042	18	18.4	-
No Nat Sci course/grade information reported	1,715	17	20.4	-	781	20	20.3	-	764	13	20.5	-

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	State				National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN								
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	964	9	21.2	72	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	6,709	65	19.3	59	668,226	55	20.4	67
Less than 4 years of English	1,131	11	19.2	60	115,551	10	19.4	62
No English course/grade information reported	1,555	15	19.9	64	150,124	12	20.3	67
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	349	3	25.0	77	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	720	7	22.0	55	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	478	5	19.2	26	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	2,983	29	19.3	27	153,394	13	20.3	37
Other comb of 4 or more years of Math	2,055	20	24.1	69	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	688	7	17.5	15	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	408	4	21.3	48	54,965	5	20.6	40
Less than 3 years of Math	1,049	10	19.1	29	131,567	11	17.9	18
No Math course/grade information reported	1,629	16	21.2	44	158,635	13	20.8	42
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	533	5	22.2	58	31,335	3	22.7	60
Other comb of 4 or more years Social Science	2,067	20	22.7	62	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	1,709	16	19.8	41	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	2,472	24	20.9	49	325,879	27	21.3	52
Less than 3 years of Social Science	1,876	18	19.4	37	179,270	15	20.5	46
No Soc Sci course/grade information reported	1,702	16	21.1	51	158,406	13	21.2	52
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	2,228	22	22.4	39	320,821	27	22.3	38
Bio, Chem, Phys	166	2	24.2	54	115,519	10	23.2	45
Gen Sci ¹ , Bio, Chem (Min. Core)	4,109	40	19.9	18	339,689	28	20.2	19
Other comb of 3 years of Natural Science	215	2	17.7	8	32,330	3	20.5	24
Less than 3 years of Natural Science	1,926	19	18.3	11	234,307	19	19.1	14
No Nat Sci course/grade information reported	1,715	17	20.4	24	163,789	14	20.7	26

¹Includes General, Physical and Earth Sciences.

Section IV

Career and Educational Aspirations

Table 4.1. Distribution of Planned Educational Majors for All Students and 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	90	1	18.6	5	2	16.0	82	1	18.8
Architecture & Environmental Design	125	1	20.3	3	1	13.3	110	1	20.7
Business & Management	742	7	19.2	29	10	15.8	675	8	19.4
Business & Office	42	0	17.7	5	2	18.2	35	0	17.8
Marketing & Distribution	71	1	19.5	1	0	27.0	66	1	19.5
Communications & Comm. Technologies	243	2	20.8	3	1	17.7	224	3	20.8
Community & Personal Services	190	2	17.2	15	5	16.3	161	2	17.5
Computer & Information Sciences	165	2	19.6	6	2	18.2	149	2	19.8
Cross-Disciplinary Studies	14	0	23.9	0	0	.	14	0	23.9
Education	349	3	19.4	9	3	15.1	320	4	19.7
Teacher Education	270	3	18.8	4	1	14.8	248	3	19.0
Engineering	297	3	20.9	6	2	16.3	282	4	21.1
Engineering-Related Technologies	196	2	21.3	9	3	16.8	181	2	21.8
Foreign Languages	45	0	23.5	1	0	15.0	41	1	23.7
Health Sciences & Allied Health Fields	1,774	17	19.5	84	30	17.3	1,612	20	19.7
Human, Family & Consumer Science	83	1	18.4	6	2	15.2	72	1	18.9
Letters	45	0	23.5	3	1	14.7	40	0	24.2
Mathematics	52	1	22.9	0	0	.	50	1	23.2
Philosophy, Religion & Theology	64	1	22.7	2	1	15.5	59	1	23.0
Sciences (Biological & Physical)	515	5	23.5	4	1	19.8	498	6	23.6
Social Sciences	583	6	21.2	6	2	17.5	552	7	21.3
Trade & Industrial	27	0	19.3	11	4	19.3	14	0	19.2
Visual & Performing Arts	404	4	20.8	9	3	19.0	372	5	21.0
Undecided	719	7	20.9	14	5	16.9	648	8	21.1
No Response	3,254	31	21.1	42	15	16.6	1,547	19	21.3

¹2-Year and 4-Year N's do not reflect "Missing" and "Other" institution types, therefore they may not add up to the N for *All Students*.

²Percent of students tested.

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-Am./ Black		Am. Indian/ Alaskan Native		Caucasian-Am./ White		Hispanic		Asian-Am./ Pacific Islander		Other/No Response	
	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average	N	Average
Voc-Tech	30	17.4	13	15.8	1	19.0	12	18.5	1	23.0	0	.	3	17.7
2-yr College Degree	247	16.9	80	15.0	4	16.5	138	17.8	9	17.4	4	18.3	12	17.8
Bachelors Degree	3,391	19.2	907	16.0	32	16.3	2,000	20.5	61	20.0	49	20.3	342	19.5
Graduate Study	1,941	21.6	474	17.6	18	20.7	1,168	23.0	38	21.9	31	23.2	212	22.4
Prof. Level Degree	2,720	21.8	810	18.2	25	20.2	1,361	23.8	107	20.8	99	23.8	318	22.5
Other	256	17.2	126	15.1	5	16.0	90	19.7	6	18.3	2	16.0	27	19.1
No Response	1,774	21.0	345	15.9	9	17.6	902	22.3	38	20.0	41	24.2	439	22.1

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
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	2,163	886	1,277	1	5	19	28	29	17	2
NORTH CAROLINA STATE UNIV AT RALEIGH	North Carolina	2,149	666	1,483	1	6	24	34	24	10	1
EAST CAROLINA UNIVERSITY	North Carolina	1,665	443	1,222	2	14	38	31	12	3	0
UNIV OF NORTH CAROLINA AT WILMINGTON	North Carolina	1,487	375	1,112	1	7	29	39	20	4	0
APPALACHIAN STATE UNIVERSITY	North Carolina	1,392	532	860	1	8	30	37	19	6	0
UNIV OF NORTH CAROLINA AT CHARLOTTE	North Carolina	1,343	271	1,072	2	12	37	31	15	4	0
UNIV OF NORTH CAROLINA AT GREENSBORO	North Carolina	1,301	256	1,045	3	15	37	29	13	3	0
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	755	238	517	9	32	42	14	3	0	0
WINSTON-SALEM STATE UNIVERSITY	North Carolina	719	208	511	9	34	44	11	2	0	0
NORTH CAROLINA CENTRAL UNIVERSITY	North Carolina	673	173	500	9	34	41	13	3	0	0
DUKE UNIVERSITY	North Carolina	620	203	417	1	3	14	20	28	28	5
WESTERN CAROLINA UNIVERSITY	North Carolina	600	149	451	2	14	39	31	13	2	0
FAYETTEVILLE STATE UNIVERSITY	North Carolina	554	143	411	8	38	39	13	1	0	0
WAKE FOREST UNIVERSITY	North Carolina	501	70	431	2	7	18	25	26	20	3
ELON UNIVERSITY	North Carolina	442	104	338	1	7	20	32	28	11	0
UNIV OF NORTH CAROLINA AT PEMBROKE	North Carolina	405	96	309	3	25	42	25	4	1	0
CAMPBELL UNIVERSITY	North Carolina	372	106	266	1	11	26	34	20	6	1
UNIV OF NORTH CAROLINA AT ASHEVILLE	North Carolina	326	66	260	1	6	25	37	25	6	1
NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE	Iowa	224	101	123	4	20	30	23	17	6	0
CLEMSON UNIVERSITY	South Carolina	220	40	180	1	7	19	27	30	14	2
ELIZABETH CITY ST UNIVERSITY	North Carolina	216	49	167	11	38	42	8	1	0	0
LENOIR-RHYNE COLLEGE	North Carolina	198	43	155	3	19	40	27	9	3	0
GARDNER-WEBB UNIVERSITY	North Carolina	188	43	145	4	16	35	29	11	5	0
MEREDITH COLLEGE	North Carolina	187	47	140	2	13	28	35	19	2	0
WINGATE UNIVERSITY	North Carolina	180	27	153	3	14	28	35	15	6	0
UNIV OF SOUTH CAROLINA-COLUMBIA	South Carolina	177	27	150	1	4	20	29	35	11	1
SHAW UNIVERSITY	North Carolina	166	34	132	11	45	37	7	1	0	0
DAVIDSON COLLEGE	North Carolina	159	39	120	1	1	5	18	31	40	4
VIRGINIA TECH	Virginia	155	27	128	3	10	17	26	26	17	1
JOHNSON C SMITH UNIVERSITY	North Carolina	142	31	111	13	43	35	8	0	0	0
All Other Institutions		9,887	2,669	7,218	4	14	28	25	17	10	1
Total		29,566	8,162	21,404	3	14	30	27	17	8	1

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	
			State	National	State	National	State	National
All Students	5,524	430,404	20.1	22.4	7.5	7.7	20.2	22.0
African Am./Black	1,416	38,583	15.5	17.5	6.9	6.8	16.2	17.6
Am. Indian/Alaskan Native	51	2,803	17.4	19.8	6.8	7.1	17.5	19.6
Caucasian Am./White	3,006	269,428	21.9	23.4	7.7	7.8	21.7	22.8
Hispanic	148	33,207	19.5	18.9	7.6	7.4	19.8	19.1
Asian Am./Pacific Islander	144	21,275	22.0	23.0	8.1	8.0	22.1	22.8
Other/No Response	759	65,108	21.6	22.8	7.7	7.9	21.4	22.5
Males	2,077	170,904	19.4	22.1	7.2	7.4	19.3	21.5
Females	3,163	240,056	20.5	22.6	7.7	7.9	20.7	22.3
Missing	284	19,444	21.4	22.1	7.9	7.8	21.4	21.9

