

ACT High School Profile Report

The Graduating Class of 2007
Virginia



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This report provides information about the performance of your 2007 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 - colleges 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:

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

23% of 2007 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. 14,653 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. 59% 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, 31% were college ready. 11% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 10% of these students were college ready. In comparison, 55% 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 12% of the cohort took less than three years of natural science courses. 18% of these students were college ready. In comparison, 31% 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 42% 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.

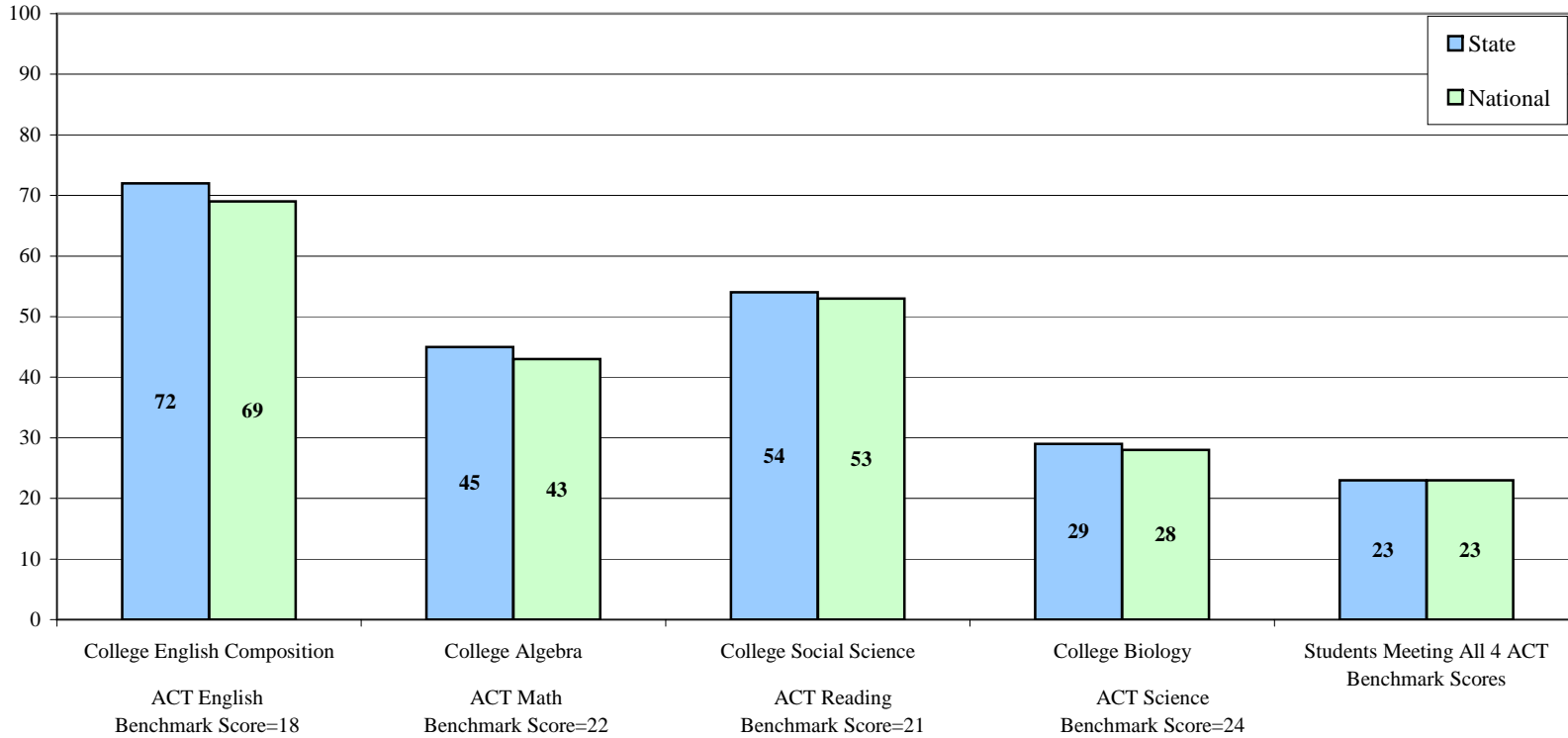
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 course.

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
2003	9,452	1,175,059	67	67	38	40	51	52	22	26	18	20
2004	10,172	1,171,460	69	68	41	40	51	52	25	26	20	21
2005	10,806	1,186,251	69	68	40	41	51	51	24	26	19	21
2006	11,519	1,206,455	70	69	44	42	53	53	26	27	21	21
2007	14,653	1,300,599	72	69	45	43	54	53	29	28	23	23

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
2003	9,452	1,175,059	20.2	20.3	20.3	20.6	21.0	21.2	20.4	20.8	20.6	20.8
2004	10,172	1,171,460	20.4	20.4	20.7	20.7	21.2	21.3	20.7	20.9	20.9	20.9
2005	10,806	1,186,251	20.5	20.4	20.6	20.7	21.2	21.3	20.6	20.9	20.8	20.9
2006	11,519	1,206,455	20.6	20.6	21.0	20.8	21.4	21.4	20.7	20.9	21.1	21.1
2007	14,653	1,300,599	21.0	20.7	21.2	21.0	21.7	21.5	21.1	21.0	21.4	21.2

Table 1.3. Five Year Trends—Average ACT Scores Nationwide

Grad Year	Number of Students Tested	Average ACT Scores				
		English	Mathematics	Reading	Science	Composite
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
2007	1,300,599	20.7	21.0	21.5	21.0	21.2

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

Grad Year	Number of Students Tested		Percent ¹		Average ACT Scores									
					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	Core or More	Less than Core	Core or More	Less than Core
2003	6,275	1,750	66	19	20.8	18.5	20.7	18.8	21.5	19.7	20.8	19.3	21.1	19.2
2004	6,565	1,985	65	20	21.1	18.6	21.3	19.0	21.7	19.6	21.3	19.3	21.5	19.3
2005	6,660	2,246	62	21	21.2	18.7	21.1	19.1	21.8	19.6	21.2	19.3	21.5	19.3
2006	6,636	2,553	58	22	21.4	19.0	21.6	19.7	22.1	20.1	21.3	19.6	21.7	19.7
2007	8,592	3,347	59	23	21.7	19.4	21.7	19.9	22.3	20.5	21.6	19.9	21.9	20.1

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

	2003			2004			2005			2006			2007		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	9,452	100	20.6	10,172	100	20.9	10,806	100	20.8	11,519	100	21.1	14,653	100	21.4
African American/Black	2,245	24	17.3	2,389	23	17.5	2,548	24	17.3	2,560	22	17.3	2,898	20	17.4
American Indian/Alaska Native	48	1	20.0	36	0	20.9	40	0	20.2	36	0	21.5	40	0	21.4
Caucasian American/White	5,591	59	21.9	5,837	57	22.0	6,117	57	22.1	6,240	54	22.3	7,700	53	22.5
Hispanic	279	3	20.3	268	3	20.0	331	3	20.4	329	3	20.3	421	3	20.4
Asian American/Pacific Islander	364	4	21.3	445	4	21.6	439	4	21.3	419	4	22.5	604	4	22.8
Other/No Response	925	10	21.0	1,197	12	22.0	1,331	12	21.7	1,935	17	21.7	2,990	20	22.1

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	17	100	29	100	79	100	50	100	1	100	36
35	97	100	67	100	130	99	102	100	32	100	35
34	207	99	106	99	233	99	31	99	49	100	34
33	153	98	97	99	285	97	101	99	85	99	33
32	182	97	152	98	312	95	77	98	132	99	32
31	283	96	187	97	414	93	103	98	199	98	31
30	272	94	210	96	419	90	196	97	296	97	30
29	379	92	429	94	441	87	205	95	405	95	29
28	544	89	405	91	630	84	291	94	502	92	28
27	485	85	622	89	658	80	417	92	643	88	27
26	616	82	810	84	571	75	725	89	751	84	26
25	1,012	78	898	79	612	72	879	84	896	79	25
24	774	71	918	73	874	67	1,044	78	972	73	24
23	803	66	828	66	944	61	1,052	71	999	66	23
22	1,036	60	891	61	639	55	1,495	64	1,118	59	22
21	1,048	53	890	55	720	51	1,294	54	1,101	52	21
20	1,048	46	890	49	1,174	46	1,398	45	1,062	44	20
19	885	39	953	42	726	38	1,168	35	1,047	37	19
18	637	33	1,015	36	596	33	1,018	27	938	30	18
17	579	28	1,162	29	800	29	798	21	842	23	17
16	785	25	1,452	21	836	23	483	15	778	18	16
15	629	19	828	11	527	17	438	12	578	12	15
14	591	15	500	6	597	14	341	9	487	8	14
13	353	11	165	2	525	10	242	6	355	5	13
12	335	8	81	1	451	6	253	5	207	3	12
11	240	6	44	1	215	3	181	3	99	1	11
10	228	5	11	1	127	2	157	2	43	1	10
9	167	3	5	1	52	1	55	1	23	1	9
8	149	2	3	1	24	1	23	1	8	1	8
7	73	1	1	1	21	1	16	1	4	1	7
6	26	1	2	1	6	1	7	1	1	1	6
5	13	1	0	1	8	1	8	1	0	1	5
4	6	1	1	1	3	1	2	1	0	1	4
3	1	1	0	1	1	1	0	1	0	1	3
2	0	1	0	1	2	1	1	1	0	1	2
1	0	1	1	1	1	1	2	1	0	1	1
Avg (SD)	21.0 (6.0)		21.2 (5.0)		21.7 (6.2)		21.1 (4.8)		21.4 (4.9)		Avg (SD)

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	346	100	72	100	261	100	521	100	430	100	105	100	115	100	18
17	855	98	230	100	805	98	897	96	592	97	151	99	100	99	17
16	584	92	629	98	779	93	1,129	90	874	93	290	98	303	99	16
15	609	88	1,019	94	819	87	1,215	83	992	87	673	96	821	96	15
14	1,191	84	1,077	87	904	82	1,235	74	1,279	80	1,051	92	1,067	91	14
13	1,016	76	1,258	79	887	76	1,237	66	1,486	72	1,677	85	1,413	84	13
12	1,243	69	1,816	71	1,759	70	1,295	57	1,393	61	1,533	73	1,489	74	12
11	1,341	60	2,115	58	1,440	58	1,085	49	1,225	52	1,726	63	1,759	64	11
10	1,597	51	1,659	44	1,190	48	1,159	41	1,652	44	2,542	51	2,110	52	10
9	1,218	40	1,379	33	1,414	40	1,112	33	1,025	32	1,783	33	2,049	37	9
8	1,218	32	1,353	23	1,656	30	946	26	1,405	25	1,210	21	1,199	23	8
7	1,091	23	793	14	917	19	790	19	1,389	16	748	13	974	15	7
6	763	16	471	9	745	12	1,035	14	587	6	410	8	354	9	6
5	754	11	401	5	420	7	546	7	186	2	387	5	409	6	5
4	455	6	249	3	349	4	319	3	86	1	92	3	159	3	4
3	244	3	98	1	210	2	86	1	35	1	220	2	222	2	3
2	108	1	29	1	70	1	44	1	13	1	0	1	42	1	2
1	20	1	5	1	28	1	2	1	4	1	55	1	68	1	1
Avg (SD)	10.5 (3.8)		10.8 (3.1)		10.7 (3.7)		11.4 (3.9)		11.3 (3.4)		10.6 (2.9)		10.4 (3.0)		Avg (SD)

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

Table 2.3. ACT Score Quartile Values for All Students

Quartile	English	Math	Reading	Science	Composite
Q3 (75th Percentile)	25	25	26	24	25
Q2 (50th Percentile)	21	21	21	21	21
Q1 (25th Percentile)	17	17	17	18	18

Table 2.4. 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	14,653	59	21.9	20.1
	African Am./Black	2,898	58	18.1	16.1
	Am. Indian/Alaska Native	40	55	21.5	21.0
	Caucasian Am./White	7,700	62	23.0	21.6
	Hispanic	421	64	21.0	19.3
	Asian Am./Pacific Islander	604	68	23.0	22.0
	Other/No Response	2,990	48	22.7	21.1
National	All Students	1,300,599	51	22.0	19.8
	African Am./Black	152,412	51	17.7	16.1
	Am. Indian/Alaska Native	14,044	46	20.3	17.6
	Caucasian Am./White	779,147	54	23.0	20.7
	Hispanic	93,137	50	19.5	17.7
	Asian Am./Pacific Islander	42,257	57	23.1	21.4
	Other/No Response	219,602	38	22.5	20.4

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	21.0	21.2	21.7	21.1	21.4
	African Am./Black	16.3	17.6	17.4	17.7	17.4
	Am. Indian/Alaska Native	21.5	20.9	22.2	20.8	21.4
	Caucasian Am./White	22.4	22.2	23.0	22.1	22.5
	Hispanic	19.7	20.4	20.6	20.1	20.4
	Asian Am./Pacific Islander	22.0	23.9	22.5	22.4	22.8
	Other/No Response	21.9	21.9	22.7	21.6	22.1
National	All Students	20.7	21.0	21.5	21.0	21.2
	African Am./Black	16.1	17.0	17.1	17.2	17.0
	Am. Indian/Alaska Native	17.9	18.7	19.4	19.2	18.9
	Caucasian Am./White	21.8	21.7	22.5	21.9	22.1
	Hispanic	17.6	19.0	18.8	18.8	18.7
	Asian Am./Pacific Islander	21.7	23.6	22.1	22.3	22.6
	Other/No Response	21.2	21.5	22.0	21.3	21.6

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	474	3	299	2	727	5	284	2
	28 to 32	1,660	11	1,383	9	2,216	15	872	6
	24 to 27	2,887	20	3,248	22	2,715	19	3,065	21
	20 to 23	3,935	27	3,499	24	3,477	24	5,239	36
	16 to 19	2,886	20	4,582	31	2,958	20	3,467	24
	13 to 15	1,573	11	1,493	10	1,649	11	1,021	7
	01 to 12	1,238	8	149	1	911	6	705	5
National	33 to 36	44,569	3	29,067	2	58,782	5	26,450	2
	28 to 32	133,320	10	120,951	9	183,189	14	80,170	6
	24 to 27	228,570	18	268,298	21	224,580	17	258,834	20
	20 to 23	348,772	27	284,073	22	317,869	24	458,484	35
	16 to 19	278,059	21	427,859	33	281,941	22	319,915	25
	13 to 15	154,534	12	161,072	12	159,904	12	95,630	7
	01 to 12	112,775	9	9,279	1	74,334	6	61,116	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	5,474	37	20.3	21.9	21.2	21.4	21.4
	Females	7,934	54	21.4	20.7	22.0	20.7	21.3
	Missing	1,245	8	21.4	21.5	22.2	21.3	21.7
National	Males	544,522	42	20.2	21.6	21.2	21.4	21.2
	Females	674,636	52	21.0	20.4	21.6	20.5	21.0
	Missing	81,441	6	21.7	21.9	22.4	21.7	22.1

Table 2.8. 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	67	51	51	33	26
	Females	74	41	56	26	21
National	Males	66	47	51	32	26
	Females	71	38	53	24	20

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

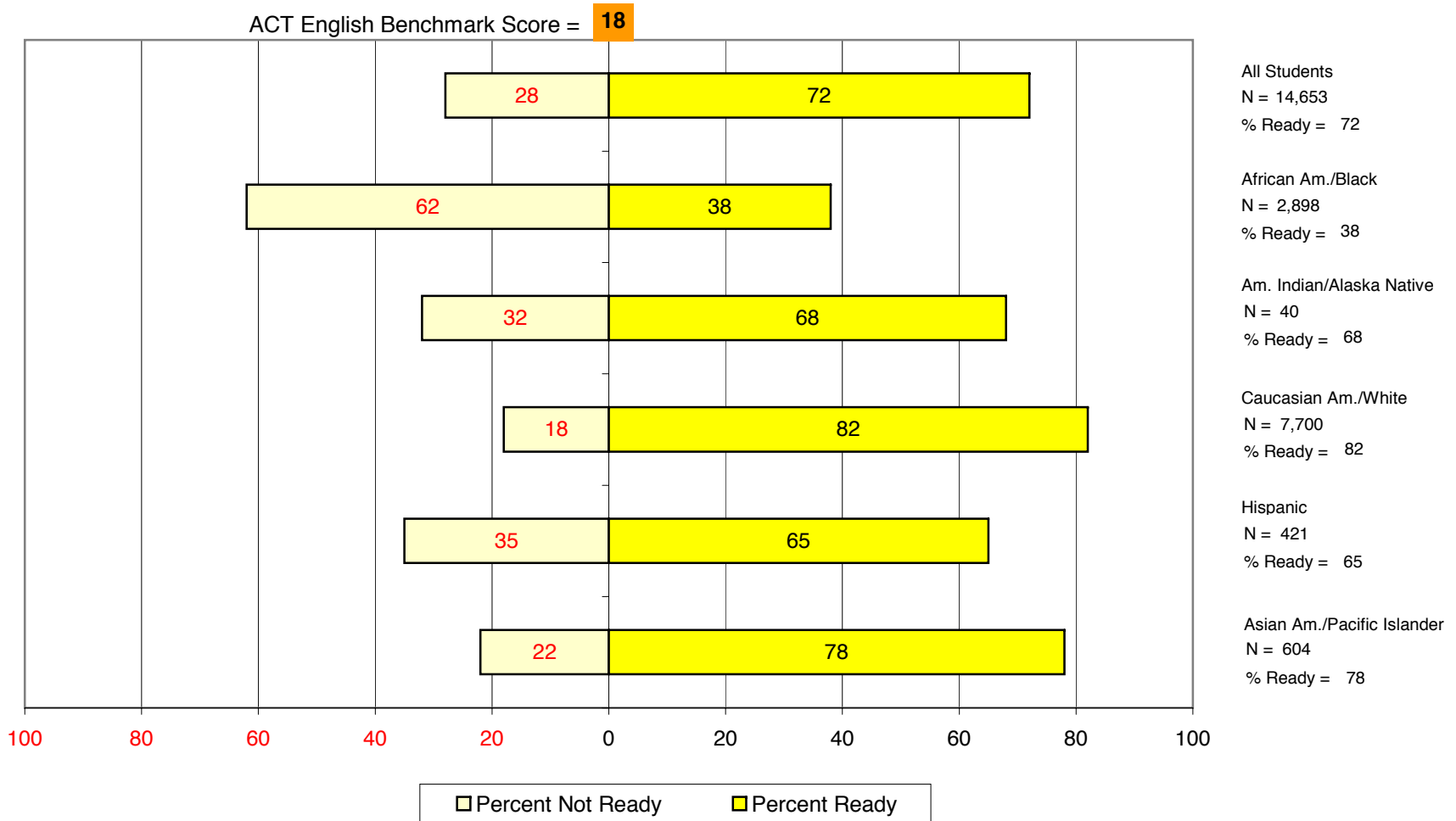


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

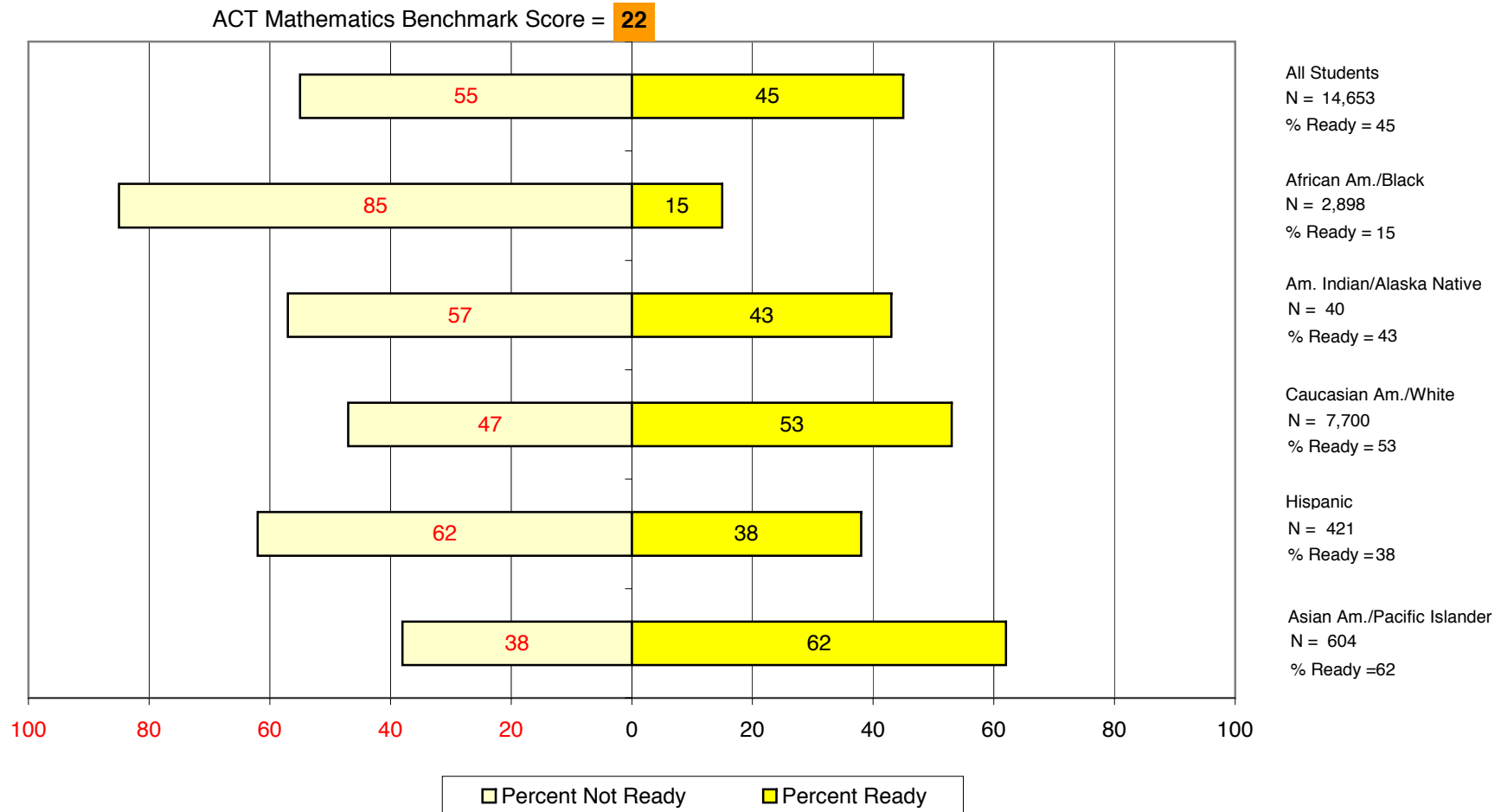


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

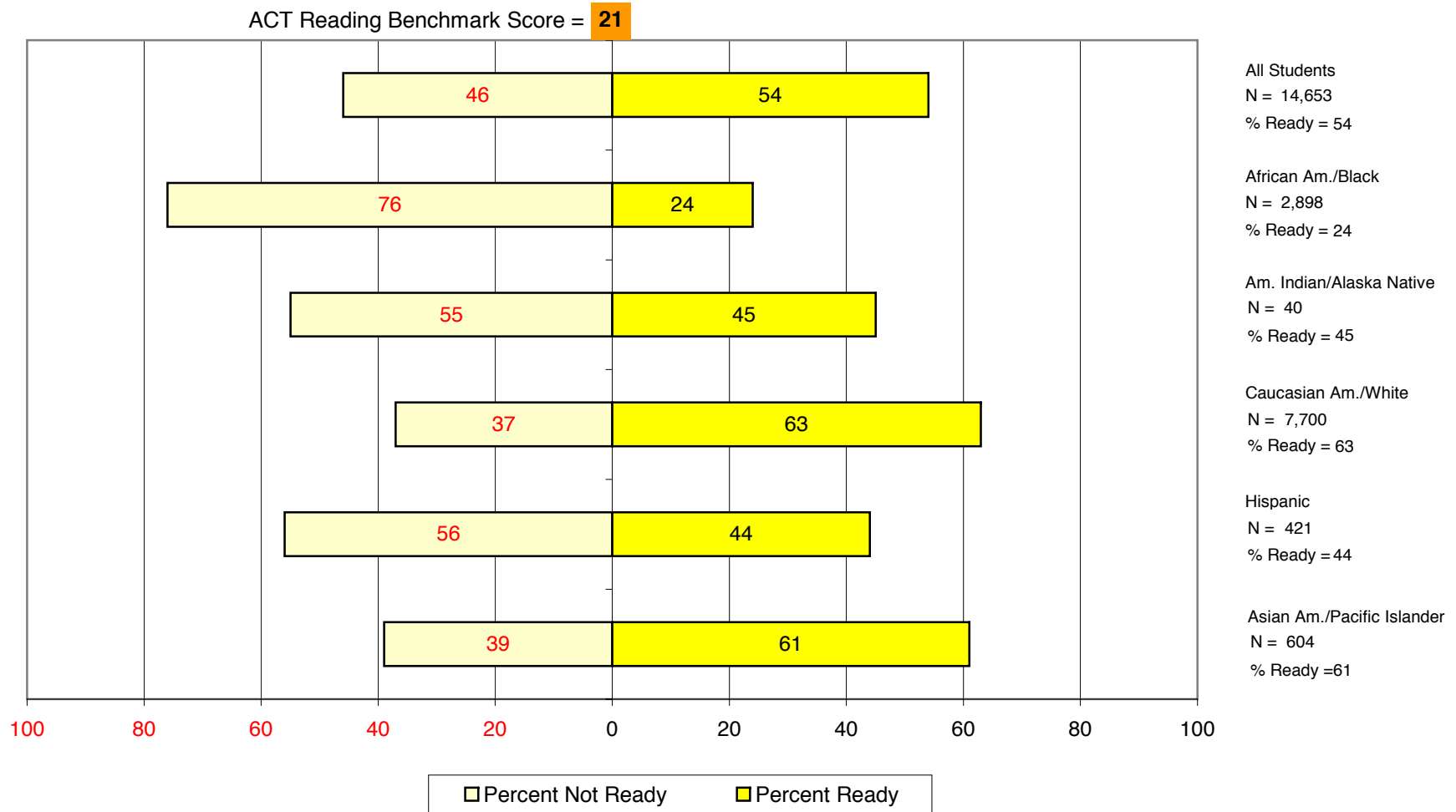


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

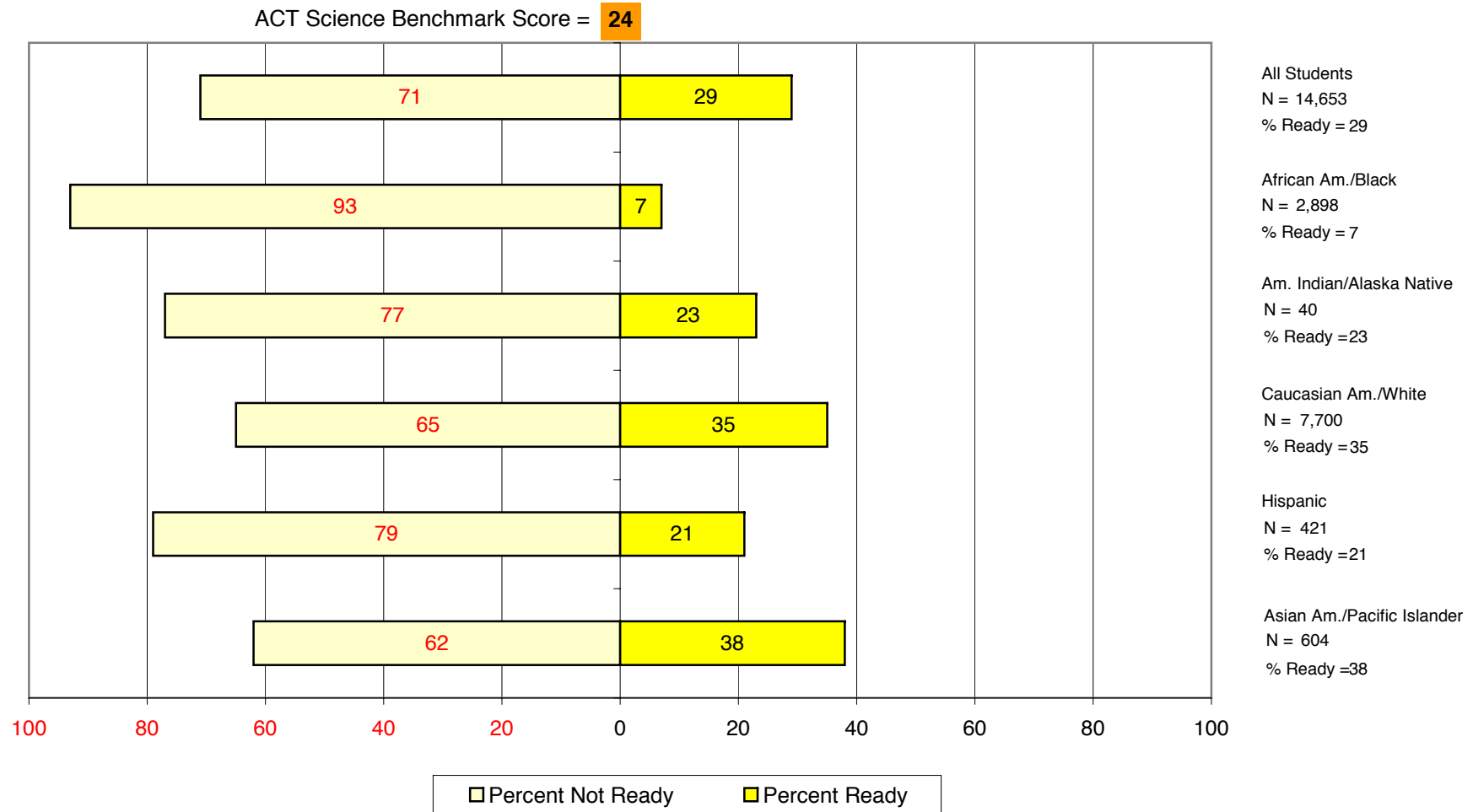


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

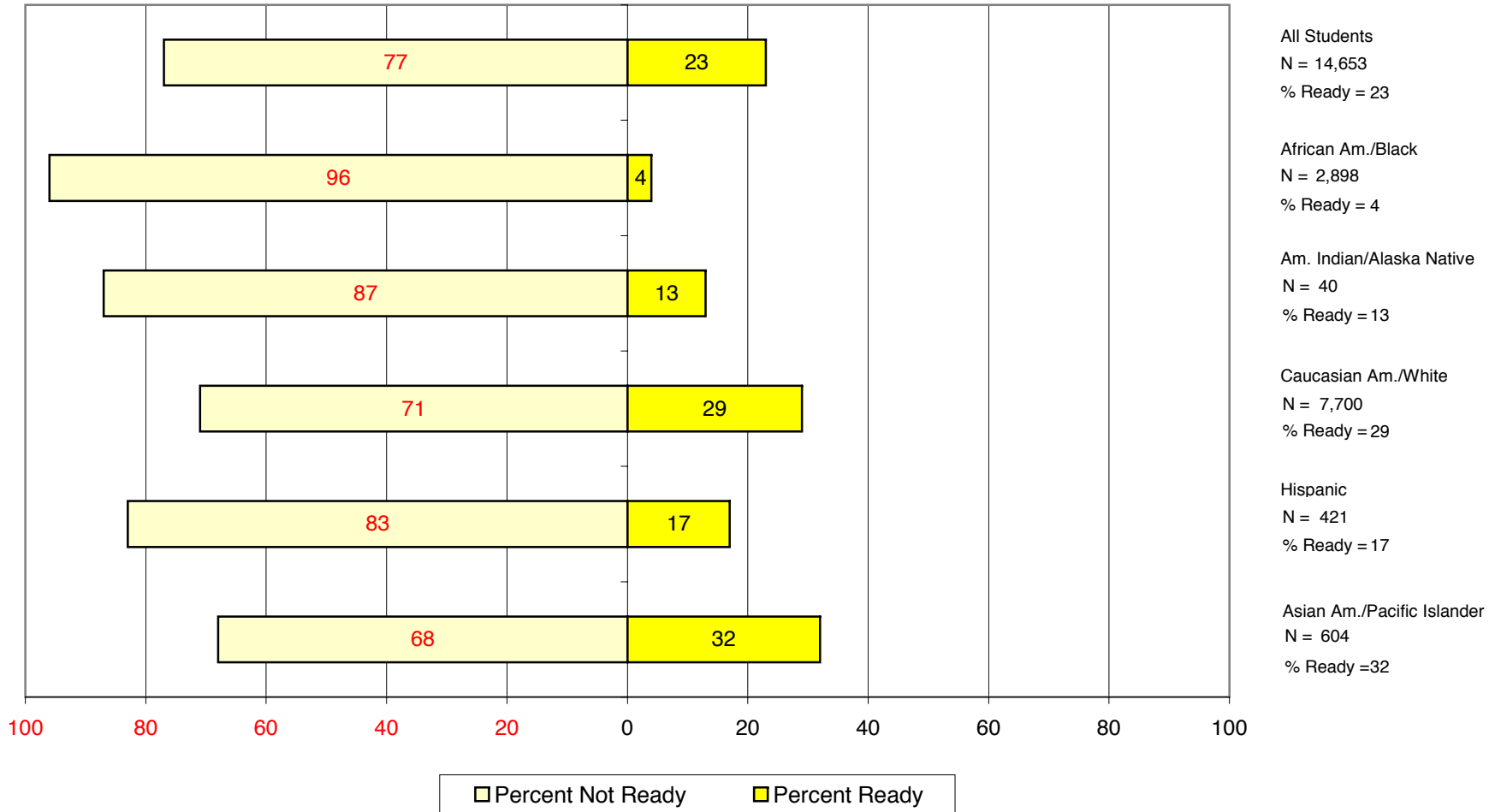


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	1,194	8	22.7	1.8	387	7	22.2	2.2	741	9	22.9	1.4
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	9,021	62	20.9	0.0	3,325	61	20.3	0.3	5,097	64	21.2	-0.3
Less than 4 years of English	1,656	11	20.9	-	607	11	20.0	-	917	12	21.5	-
No English course/grade information reported	2,782	19	20.7	-	1,155	21	19.6	-	1,179	15	21.4	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,105	8	24.6	5.3	410	7	25.6	5.9	596	8	23.9	5.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,477	10	22.1	2.8	452	8	23.0	3.3	931	12	21.7	2.8
Alg 1, Alg 2, Geom, & Trig	1,591	11	20.2	0.9	561	10	21.0	1.3	922	12	19.6	0.7
Alg 1, Alg 2, Geom, & Other Adv Math	1,499	10	20.2	0.9	462	8	20.6	0.9	946	12	20.0	1.1
Other comb of 4 or more years of Math	2,409	16	24.7	5.4	1,017	19	25.7	6.0	1,234	16	23.9	5.0
Alg 1, Alg 2, & Geom (Min. Core)	1,669	11	17.2	-2.1	619	11	17.6	-2.1	951	12	16.9	-2.0
Other comb of 3 or 3.5 years of Math	557	4	20.3	1.0	229	4	20.8	1.1	299	4	19.8	0.9
Less than 3 years of Math	1,406	10	19.3	-	517	9	19.7	-	786	10	18.9	-
No Math course/grade information reported	2,940	20	21.2	-	1,207	22	21.4	-	1,269	16	20.8	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	1,462	10	22.6	1.3	593	11	22.1	1.7	782	10	22.8	0.9
Other comb of 4 or more years Social Science	3,023	21	22.5	1.2	987	18	22.6	2.2	1,821	23	22.5	0.6
US Hist, World Hist, & Am Gov (Min. Core)	2,081	14	21.2	-0.1	801	15	20.8	0.4	1,155	15	21.3	-0.6
Other comb of 3 or 3.5 years of Social Science	3,390	23	21.4	0.1	1,189	22	21.0	0.6	1,984	25	21.6	-0.3
Less than 3 years of Social Science	1,724	12	21.3	-	677	12	20.4	-	914	12	21.9	-
No Soc Sci course/grade information reported	2,973	20	21.5	-	1,227	22	20.7	-	1,278	16	22.1	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	4,628	32	22.3	3.3	1,865	34	23.0	4.3	2,458	31	21.9	2.9
Bio, Chem, Phys	1,047	7	24.1	5.1	379	7	25.2	6.5	583	7	23.5	4.5
Gen Sci ² , Bio, Chem (Min. Core)	3,885	27	19.9	0.9	1,140	21	20.2	1.5	2,507	32	19.7	0.7
Other comb of 3 years of Natural Science	296	2	19.5	0.5	154	3	19.9	1.2	117	1	18.9	-0.1
Less than 3 years of Natural Science	1,690	12	19.0	-	666	12	18.7	-	913	12	19.0	-
No Nat Sci course/grade information reported	3,107	21	20.9	-	1,270	23	20.8	-	1,356	17	20.8	-

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	1,194	8	22.7	82	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	9,021	62	20.9	71	766,001	59	20.5	68
Less than 4 years of English	1,656	11	20.9	72	141,777	11	19.7	64
No English course/grade information reported	2,782	19	20.7	70	201,619	16	20.7	69
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	1,105	8	24.6	75	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,477	10	22.1	57	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	1,591	11	20.2	36	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	1,499	10	20.2	36	163,562	13	20.4	38
Other comb of 4 or more years of Math	2,409	16	24.7	73	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	1,669	11	17.2	10	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	557	4	20.3	36	57,945	4	20.9	43
Less than 3 years of Math	1,406	10	19.3	31	145,617	11	18.3	21
No Math course/grade information reported	2,940	20	21.2	45	211,787	16	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	1,462	10	22.6	60	31,985	2	22.7	61
Other comb of 4 or more years Social Science	3,023	21	22.5	60	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	2,081	14	21.2	50	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	3,390	23	21.4	53	333,689	26	21.4	52
Less than 3 years of Social Science	1,724	12	21.3	52	201,605	16	20.6	47
No Soc Sci course/grade information reported	2,973	20	21.5	53	212,012	16	21.5	53
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	4,628	32	22.3	37	333,648	26	22.4	40
Bio, Chem, Phys	1,047	7	24.1	55	115,297	9	23.4	48
Gen Sci ¹ , Bio, Chem (Min. Core)	3,885	27	19.9	18	353,348	27	20.2	20
Other comb of 3 years of Natural Science	296	2	19.5	20	32,593	3	20.4	24
Less than 3 years of Natural Science	1,690	12	19.0	18	247,312	19	19.1	15
No Nat Sci course/grade information reported	3,107	21	20.9	27	218,401	17	20.9	29

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	77	1	20.5	2	1	16.0	72	1	20.7
Architecture & Environmental Design	186	1	21.6	2	1	14.5	177	2	21.8
Business & Management	894	6	20.1	10	7	15.8	838	8	20.2
Business & Office	31	0	19.1	1	1	12.0	29	0	19.4
Marketing & Distribution	153	1	20.1	1	1	14.0	147	1	20.2
Communications & Comm. Technologies	316	2	20.8	3	2	15.0	293	3	20.9
Community & Personal Services	176	1	17.5	6	4	16.3	158	1	17.8
Computer & Information Sciences	240	2	21.0	4	3	17.0	227	2	21.1
Cross-Disciplinary Studies	16	0	22.1	0	0	.	16	0	22.1
Education	339	2	20.4	1	1	18.0	324	3	20.5
Teacher Education	237	2	19.3	6	4	16.8	218	2	19.5
Engineering	411	3	23.6	6	4	14.8	389	4	23.7
Engineering-Related Technologies	254	2	23.0	3	2	16.7	248	2	23.1
Foreign Languages	72	0	24.1	1	1	17.0	68	1	24.0
Health Sciences & Allied Health Fields	1,457	10	20.5	36	26	17.0	1,363	13	20.7
Human, Family & Consumer Science	54	0	19.3	2	1	16.0	47	0	19.8
Letters	49	0	24.4	0	0	.	46	0	24.5
Mathematics	52	0	24.8	1	1	30.0	49	0	24.6
Philosophy, Religion & Theology	69	0	23.0	1	1	19.0	67	1	23.1
Sciences (Biological & Physical)	709	5	23.5	2	1	21.5	691	6	23.6
Social Sciences	849	6	21.8	8	6	16.3	812	8	21.8
Trade & Industrial	23	0	18.3	4	3	16.8	18	0	18.9
Visual & Performing Arts	518	4	21.3	7	5	15.6	477	4	21.5
Undecided	2,141	15	21.1	18	13	16.3	1,950	18	21.2
No Response	5,330	36	21.7	13	9	16.2	1,973	18	22.0

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/ Alaska 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	28	16.5	16	15.6	0	.	8	18.9	1	15.0	0	.	3	15.7
2-yr College Degree	110	16.5	47	15.2	0	.	44	17.4	4	17.5	1	16.0	14	17.7
Bachelors Degree	3,952	20.0	761	16.2	7	21.1	2,389	21.0	98	19.5	121	20.0	576	20.6
Graduate Study	3,232	22.3	557	18.2	7	24.1	1,911	23.4	90	21.9	125	22.9	542	22.8
Prof. Level Degree	3,513	22.4	895	18.5	14	21.4	1,597	24.1	121	21.0	246	24.1	640	22.9
Other	248	18.2	91	15.8	2	16.0	99	20.3	8	20.9	9	19.6	39	17.8
No Response	3,570	21.5	531	16.7	10	20.7	1,652	22.5	99	19.1	102	23.2	1,176	22.4

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	2,690	744	1,946	1	3	18	38	31	8	0
VIRGINIA TECH	Virginia	2,537	826	1,711	1	3	15	33	33	13	1
VIRGINIA COMMONWEALTH UNIVERSITY	Virginia	1,918	508	1,410	3	13	35	30	15	5	0
OLD DOMINION UNIVERSITY	Virginia	1,811	495	1,316	4	14	37	31	11	2	0
UNIV OF VIRGINIA-MAIN CAMPUS	Virginia	1,791	626	1,165	1	2	11	26	34	24	3
GEORGE MASON UNIVERSITY	Virginia	1,668	421	1,247	2	8	26	36	22	6	0
CHRISTOPHER NEWPORT UNIVERSITY	Virginia	1,433	468	965	1	6	26	42	21	4	0
RADFORD UNIVERSITY	Virginia	1,167	206	961	2	9	36	37	15	2	0
LONGWOOD UNIVERSITY	Virginia	939	213	726	1	8	30	40	18	3	0
COLLEGE OF WILLIAM AND MARY	Virginia	879	226	653	0	2	8	23	36	28	3
NORFOLK STATE UNIVERSITY	Virginia	727	233	494	14	35	40	9	2	0	0
VIRGINIA STATE UNIVERSITY	Virginia	674	171	503	16	34	35	12	3	0	0
HAMPTON UNIVERSITY	Virginia	632	194	438	6	24	43	20	6	1	0
UNIVERSITY OF MARY WASHINGTON	Virginia	614	117	497	0	1	13	37	37	10	1
NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE	Iowa	387	178	209	3	16	35	24	17	5	1
LIBERTY UNIVERSITY	Virginia	376	155	221	5	18	32	27	15	4	0
WEST VIRGINIA UNIVERSITY	West Virginia	266	89	177	0	12	33	32	18	5	0
UNIVERSITY OF RICHMOND	Virginia	255	50	205	2	9	24	24	24	16	1
LYNCHBURG COLLEGE	Virginia	246	49	197	2	13	30	35	18	3	0
UNIV OF NORTH CAROLINA AT CHAPEL HILL	North Carolina	242	63	179	1	6	12	24	31	24	2
ROANOKE COLLEGE	Virginia	240	44	196	1	8	24	40	21	5	0
BRIDGEWATER COLLEGE	Virginia	232	52	180	3	13	34	32	16	3	0
HOWARD UNIVERSITY	District of Columbia	229	90	139	5	17	39	30	8	2	0
EAST CAROLINA UNIVERSITY	North Carolina	217	42	175	1	8	31	40	17	2	0
VIRGINIA WESLEYAN COLLEGE	Virginia	217	48	169	7	19	39	24	10	1	0
VIRGINIA MILITARY INSTITUTE	Virginia	210	93	117	0	5	22	35	31	6	0
NORTH CAROLINA AGRIC & TECH STATE UNIV	North Carolina	203	59	144	8	24	43	16	8	0	0
UNIV OF VIRGINIA'S COLLEGE AT WISE	Virginia	202	42	160	2	15	37	30	14	1	0
VIRGINIA UNION UNIVERSITY	Virginia	199	28	171	17	40	35	7	1	1	0
FERRUM COLLEGE	Virginia	198	48	150	6	31	36	22	5	1	0
All Other Institutions		14,030	3,681	10,349	2	9	23	26	24	13	2
Total		37,429	10,259	27,170	3	10	25	29	22	10	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	7,363	532,943	22.2	22.3	7.5	7.6	21.7	21.8
African Am./Black	1,185	50,340	17.4	17.2	6.7	6.7	17.4	17.3
Am. Indian/Alaska Native	25	3,462	23.7	19.8	8.0	7.0	23.3	19.4
Caucasian Am./White	3,904	308,578	23.4	23.4	7.6	7.6	22.6	22.6
Hispanic	228	42,588	20.6	18.8	7.5	7.3	20.5	19.0
Asian Am./Pacific Islander	370	25,616	23.3	23.2	8.0	8.0	22.9	22.8
Other/No Response	1,651	102,359	23.0	23.2	7.7	7.8	22.5	22.7
Males	2,575	204,427	21.6	22.0	7.2	7.3	20.9	21.3
Females	4,118	285,556	22.6	22.5	7.7	7.7	22.2	22.1
Missing	670	42,960	22.4	23.0	7.6	7.8	22.0	22.6

