

ACT High School Profile Report

The Graduating Class of 2007
Pennsylvania



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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

27% 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. 15,905 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. 53% 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, 35% were college ready. 9% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 14% of these students were college ready. In comparison, 59% 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 10% of the cohort took less than three years of natural science courses. 22% of these students were college ready. In comparison, 34% 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 39% 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.

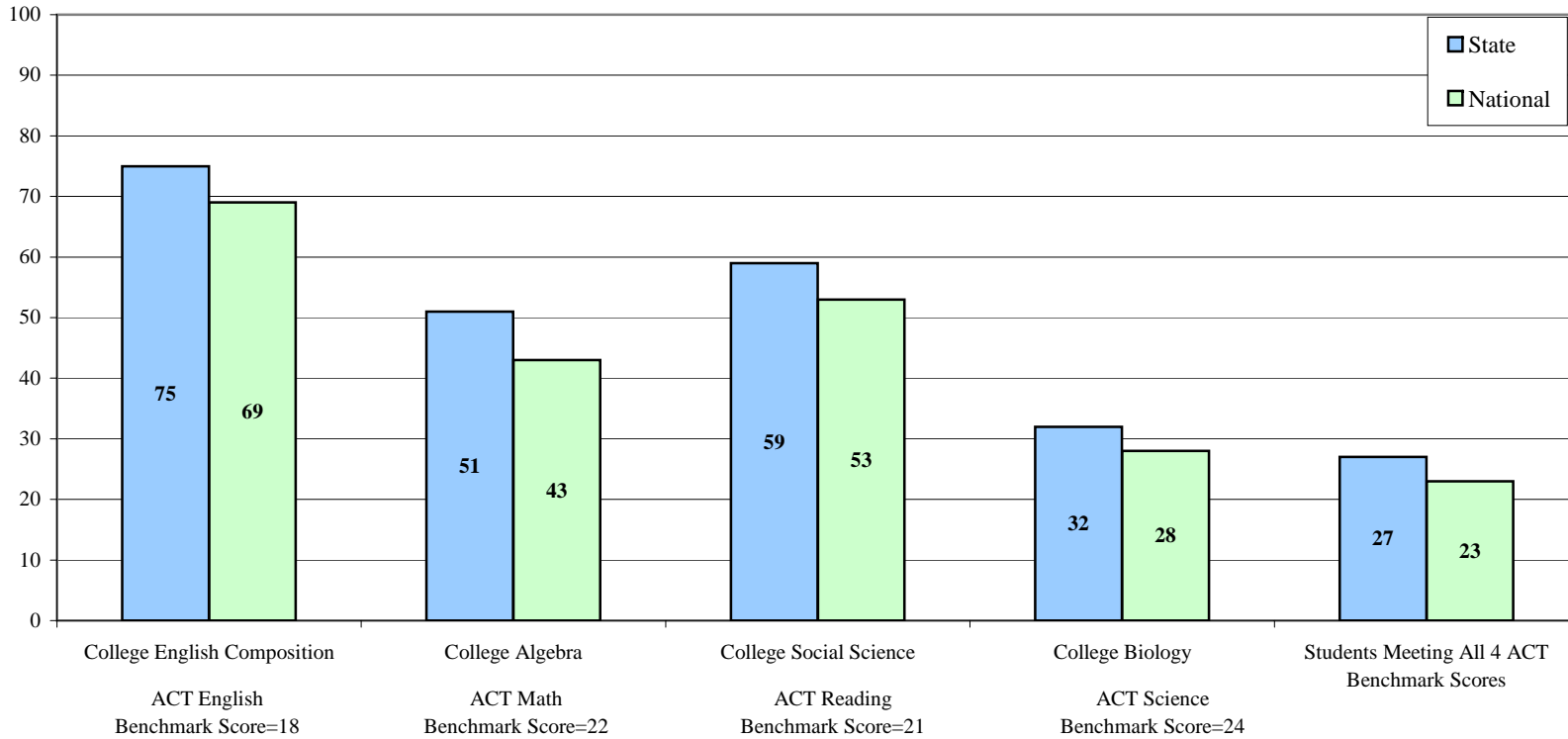
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

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 518-869-7378.

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	11,290	1,175,059	71	67	46	40	58	52	30	26	25	20
2004	12,012	1,171,460	74	68	48	40	59	52	31	26	26	21
2005	11,848	1,186,251	73	68	47	41	59	51	30	26	25	21
2006	12,651	1,206,455	73	69	49	42	59	53	31	27	26	21
2007	15,905	1,300,599	75	69	51	43	59	53	32	28	27	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	11,290	1,175,059	20.9	20.3	21.2	20.6	22.1	21.2	21.3	20.8	21.5	20.8
2004	12,012	1,171,460	21.2	20.4	21.5	20.7	22.3	21.3	21.5	20.9	21.8	20.9
2005	11,848	1,186,251	21.2	20.4	21.5	20.7	22.3	21.3	21.4	20.9	21.7	20.9
2006	12,651	1,206,455	21.3	20.6	21.7	20.8	22.2	21.4	21.4	20.9	21.8	21.1
2007	15,905	1,300,599	21.5	20.7	21.9	21.0	22.4	21.5	21.5	21.0	22.0	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									
	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
2003	6,964	3,068	62	27	21.6	19.6	21.9	19.9	22.8	20.9	21.9	20.3	22.2	20.3
2004	7,280	3,312	61	28	21.9	19.9	22.2	20.2	23.0	21.2	22.1	20.4	22.4	20.6
2005	6,932	3,337	59	28	22.0	20.1	22.1	20.4	23.0	21.3	22.0	20.6	22.4	20.7
2006	6,882	3,826	54	30	21.9	20.3	22.3	20.7	22.8	21.4	21.9	20.6	22.4	20.9
2007	8,365	4,882	53	31	22.1	20.6	22.4	21.2	22.9	21.6	22.0	20.9	22.5	21.2

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	11,290	100	21.5	12,012	100	21.8	11,848	100	21.7	12,651	100	21.8	15,905	100	22.0
African American/Black	891	8	16.4	985	8	16.8	986	8	16.6	1,018	8	16.6	1,302	8	16.8
American Indian/Alaska Native	21	0	18.9	22	0	20.4	25	0	21.2	27	0	19.0	31	0	20.4
Caucasian American/White	8,899	79	22.0	9,233	77	22.2	9,070	77	22.2	9,059	72	22.2	10,830	68	22.4
Hispanic	158	1	19.3	180	1	19.4	209	2	20.0	197	2	20.5	280	2	19.5
Asian American/Pacific Islander	270	2	22.8	252	2	22.6	263	2	23.7	266	2	23.4	327	2	23.3
Other/No Response	1,051	9	21.6	1,340	11	22.4	1,295	11	22.3	2,084	16	22.3	3,135	20	22.8

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	29	100	40	100	89	100	55	100	3	100	36
35	128	100	109	100	170	99	129	100	30	100	35
34	278	99	156	99	283	98	54	99	79	100	34
33	217	97	156	98	345	97	170	99	141	99	33
32	226	96	239	97	418	94	127	97	231	98	32
31	308	94	325	96	472	92	121	97	276	97	31
30	366	93	316	94	510	89	286	96	402	95	30
29	467	90	528	92	527	86	281	94	505	93	29
28	590	87	592	88	812	82	303	92	648	90	28
27	600	84	751	85	675	77	485	90	764	85	27
26	741	80	954	80	701	73	797	87	878	81	26
25	1,039	75	1,072	74	681	69	1,104	82	983	75	25
24	853	69	1,098	67	917	64	1,241	75	1,071	69	24
23	924	63	884	60	1,258	59	1,159	68	1,158	62	23
22	1,116	57	824	55	696	51	1,566	60	1,170	55	22
21	1,201	50	913	49	825	46	1,301	50	1,223	48	21
20	1,228	43	899	44	1,098	41	1,639	42	1,172	40	20
19	969	35	1,002	38	919	34	1,192	32	1,044	33	19
18	688	29	1,021	32	629	28	1,114	24	944	26	18
17	625	25	1,199	25	752	24	772	17	850	20	17
16	727	21	1,311	18	854	20	459	13	774	15	16
15	631	16	788	10	555	14	402	10	541	10	15
14	562	12	448	5	583	11	330	7	417	6	14
13	319	9	145	2	431	7	208	5	270	4	13
12	284	7	87	1	383	4	204	4	177	2	12
11	218	5	31	1	157	2	172	3	110	1	11
10	194	4	12	1	97	1	131	1	30	1	10
9	137	2	1	1	35	1	41	1	7	1	9
8	137	2	1	1	12	1	28	1	3	1	8
7	60	1	0	1	8	1	21	1	1	1	7
6	29	1	1	1	7	1	7	1	2	1	6
5	7	1	0	1	4	1	3	1	1	1	5
4	6	1	2	1	1	1	1	1	0	1	4
3	1	1	0	1	1	1	1	1	0	1	3
2	0	1	0	1	0	1	1	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	21.5 (6.0)		21.9 (5.2)		22.4 (6.1)		21.5 (4.9)		22.0 (5.0)		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	515	100	105	100	296	100	631	100	537	100	190	100	208	100	18
17	962	97	317	99	1,030	98	970	96	1,095	97	174	99	140	99	17
16	750	91	730	97	975	92	1,311	90	1,154	90	496	98	529	98	16
15	784	86	1,060	93	896	86	1,472	82	1,093	82	797	95	1,013	94	15
14	1,293	81	1,367	86	1,340	80	1,196	72	1,383	76	1,329	90	1,519	88	14
13	1,206	73	1,467	77	1,045	71	1,491	65	1,661	67	1,990	81	1,627	79	13
12	1,413	65	1,835	68	1,807	65	1,461	56	1,432	56	1,562	69	1,955	68	12
11	1,513	56	2,415	57	1,740	54	1,205	46	1,425	47	1,963	59	1,853	56	11
10	1,739	47	1,804	42	1,436	43	1,355	39	1,481	39	2,305	47	2,041	44	10
9	1,297	36	1,534	30	1,276	34	1,187	30	1,114	29	1,962	32	2,047	32	9
8	1,328	28	1,392	21	1,620	26	913	23	1,350	22	1,253	20	1,104	19	8
7	977	20	728	12	889	15	919	17	1,376	14	731	12	824	12	7
6	734	13	490	7	662	10	953	11	504	5	470	7	259	7	6
5	643	9	356	4	414	6	486	5	164	2	334	4	328	5	5
4	401	5	189	2	273	3	273	2	97	1	113	2	171	3	4
3	235	2	95	1	133	1	55	1	28	1	187	1	189	2	3
2	103	1	16	1	55	1	24	1	6	1	0	1	37	1	2
1	12	1	5	1	18	1	3	1	5	1	49	1	61	1	1
Avg (SD)	10.9 (3.8)		11.0 (3.0)		11.2 (3.6)		11.6 (3.7)		11.7 (3.5)		10.8 (3.0)		10.9 (3.1)		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	26	27	24	25
Q2 (50th Percentile)	21	22	22	21	22
Q1 (25th Percentile)	18	17	18	19	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	15,905	53	22.5	21.2
	African Am./Black	1,302	46	17.7	15.9
	Am. Indian/Alaska Native	31	48	21.3	19.5
	Caucasian Am./White	10,830	56	22.8	21.7
	Hispanic	280	50	20.1	19.2
	Asian Am./Pacific Islander	327	57	23.6	22.7
	Other/No Response	3,135	42	23.1	22.1
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	21.5	21.9	22.4	21.5	22.0
	African Am./Black	15.5	17.1	17.2	16.8	16.8
	Am. Indian/Alaska Native	19.9	20.1	21.2	19.8	20.4
	Caucasian Am./White	22.1	22.3	22.8	22.0	22.4
	Hispanic	19.0	19.7	19.7	19.3	19.5
	Asian Am./Pacific Islander	22.6	24.4	23.2	22.7	23.3
	Other/No Response	22.5	22.7	23.3	22.1	22.8
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	652	4	461	3	887	6	408	3
	28 to 32	1,957	12	2,000	13	2,739	17	1,118	7
	24 to 27	3,233	20	3,875	24	2,974	19	3,627	23
	20 to 23	4,469	28	3,520	22	3,877	24	5,665	36
	16 to 19	3,009	19	4,533	29	3,154	20	3,537	22
	13 to 15	1,512	10	1,381	9	1,569	10	940	6
	01 to 12	1,073	7	135	1	705	4	610	4
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	6,095	38	21.0	22.6	22.0	22.0	22.0
	Females	8,463	53	21.8	21.3	22.5	21.1	21.8
	Missing	1,347	8	22.3	22.6	23.1	21.9	22.6
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	71	56	57	37	32
	Females	77	46	60	29	24
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

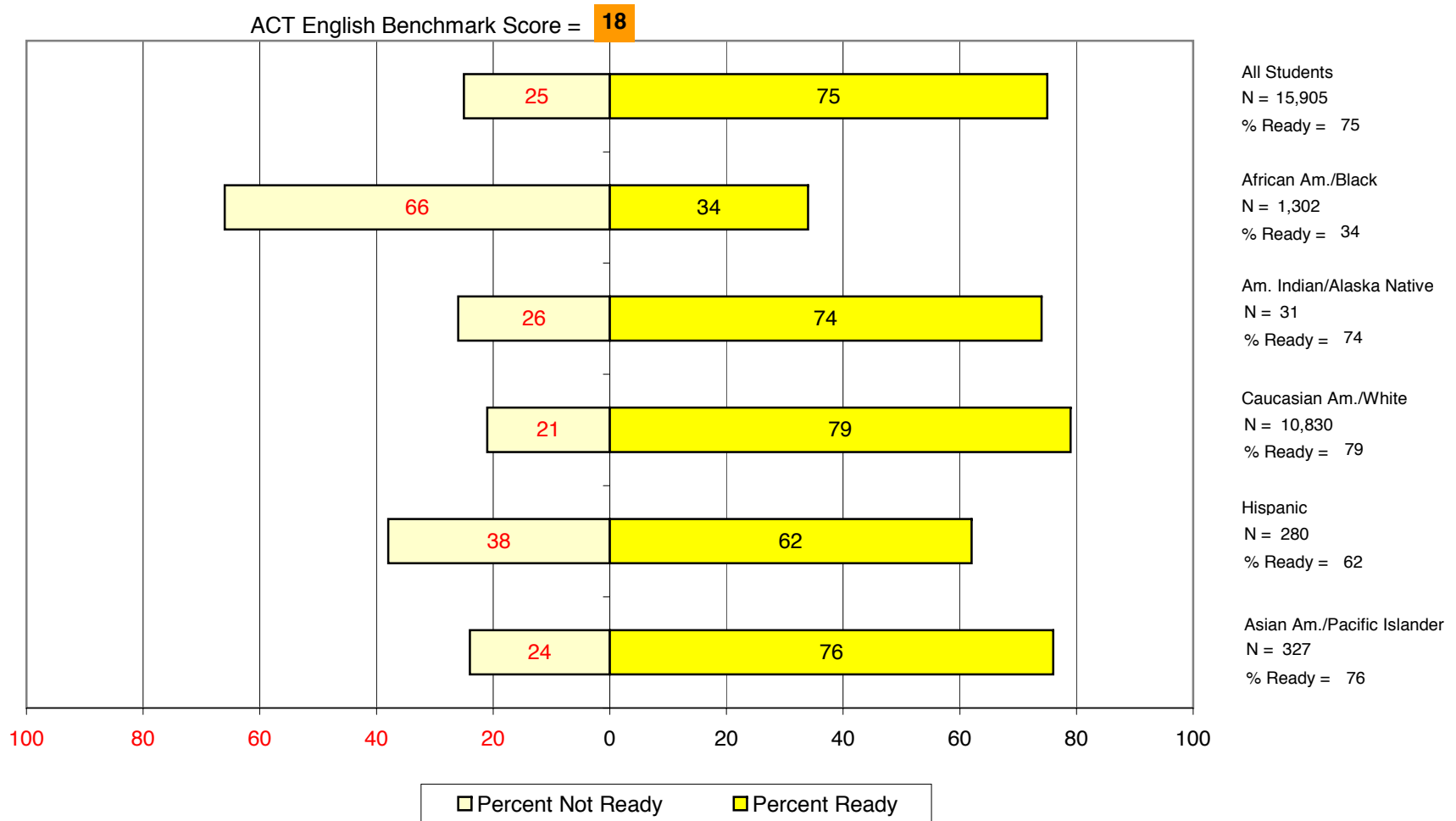


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

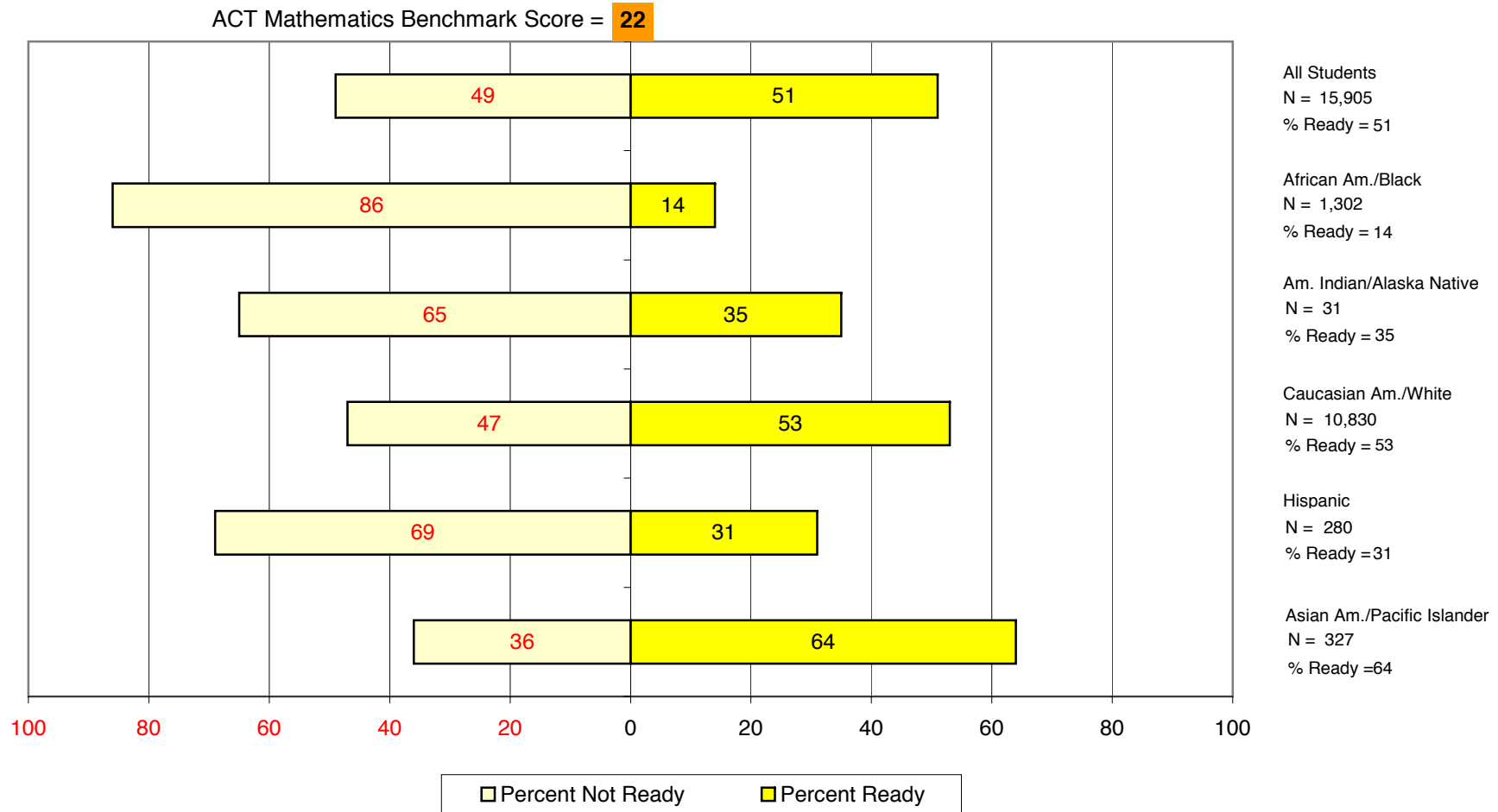


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

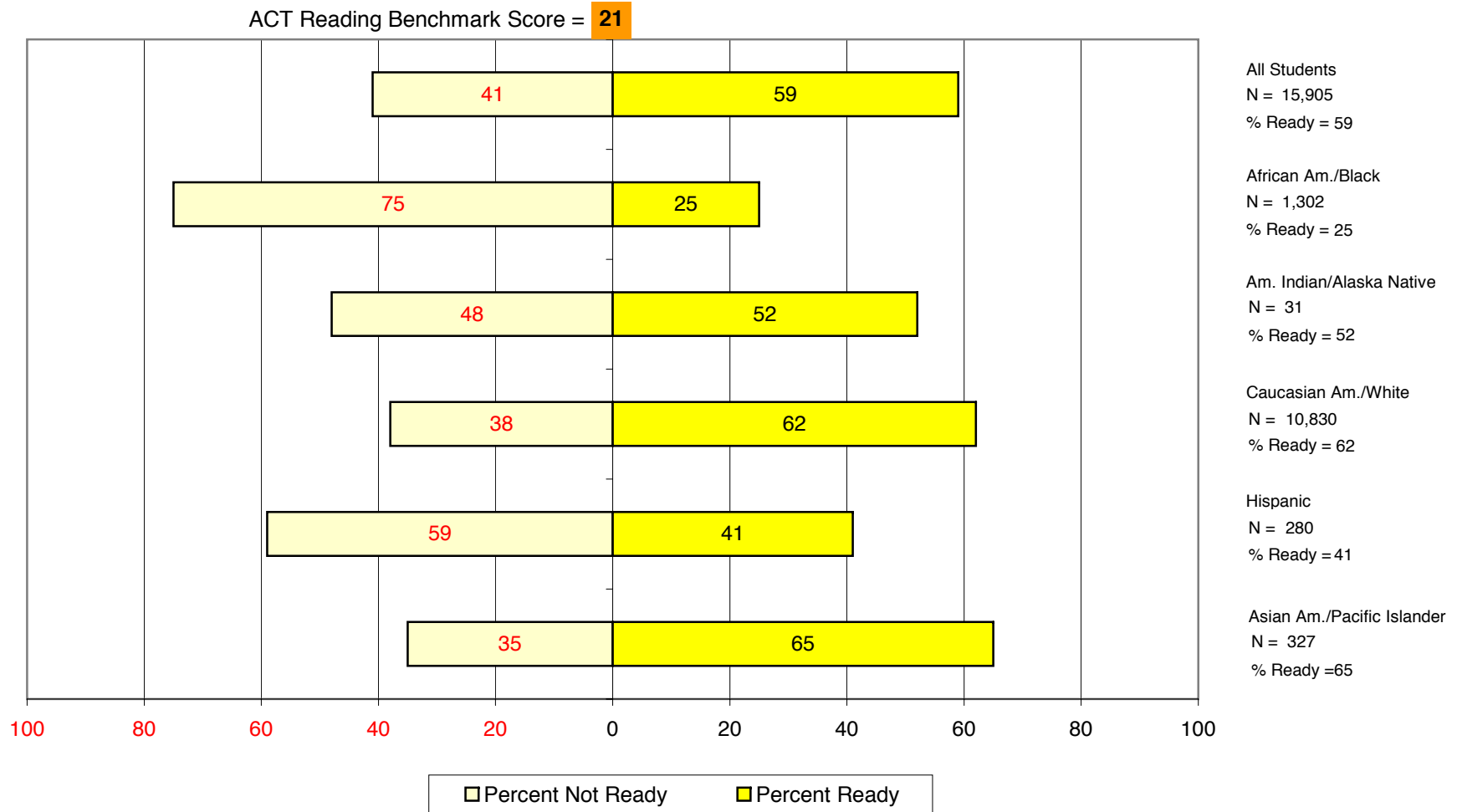


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

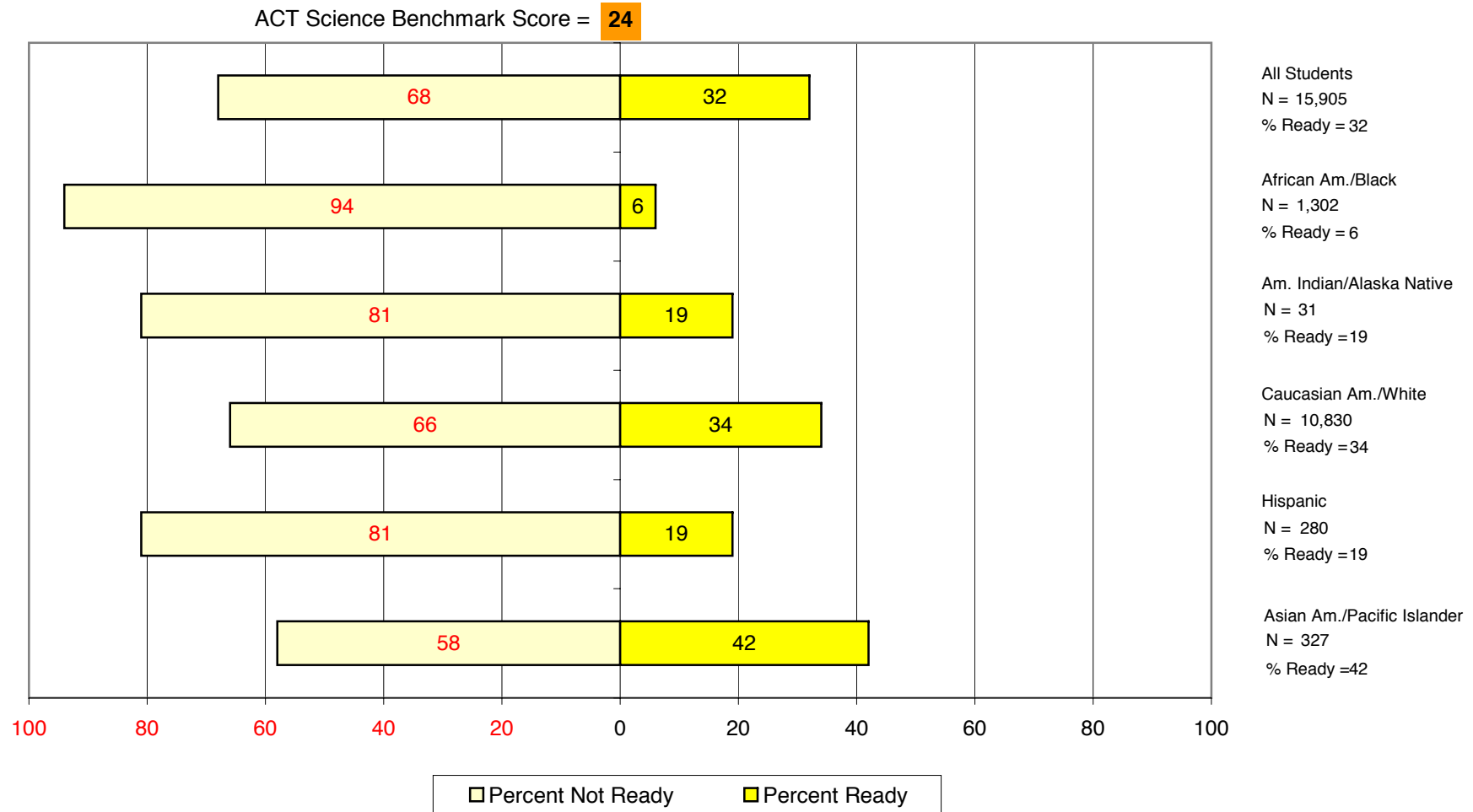


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

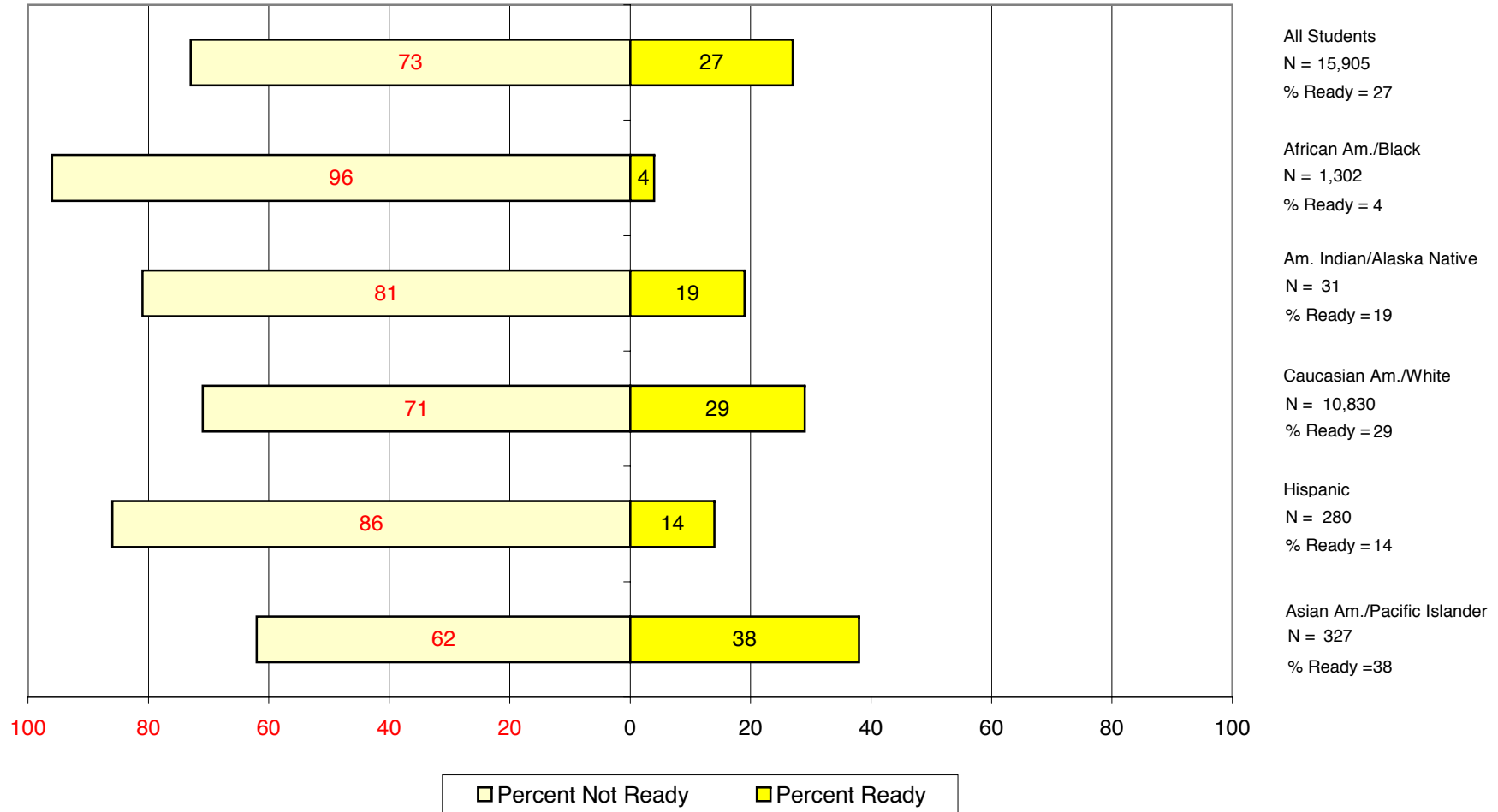


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	1,771	11	23.0	1.7	559	9	22.6	1.9	1,111	13	23.2	1.4
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	9,638	61	21.4	0.1	3,685	60	21.0	0.3	5,340	63	21.6	-0.2
Less than 4 years of English	1,746	11	21.3	-	697	11	20.7	-	891	11	21.8	-
No English course/grade information reported	2,750	17	21.3	-	1,154	19	20.3	-	1,121	13	21.7	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,831	12	25.0	4.9	638	10	25.9	5.1	1,053	12	24.4	5.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,135	7	21.7	1.6	344	6	22.9	2.1	723	9	21.2	1.8
Alg 1, Alg 2, Geom, & Trig	1,697	11	20.3	0.2	600	10	20.9	0.1	977	12	20.0	0.6
Alg 1, Alg 2, Geom, & Other Adv Math	1,194	8	19.9	-0.2	387	6	20.4	-0.4	736	9	19.7	0.3
Other comb of 4 or more years of Math	3,418	21	24.8	4.7	1,490	24	25.6	4.8	1,743	21	24.0	4.6
Alg 1, Alg 2, & Geom (Min. Core)	1,434	9	17.7	-2.4	540	9	18.0	-2.8	799	9	17.5	-1.9
Other comb of 3 or 3.5 years of Math	668	4	21.4	1.3	272	4	22.1	1.3	357	4	20.6	1.2
Less than 3 years of Math	1,604	10	20.1	-	603	10	20.8	-	863	10	19.4	-
No Math course/grade information reported	2,924	18	21.7	-	1,221	20	21.9	-	1,212	14	21.1	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	866	5	23.6	1.4	333	5	23.3	1.4	476	6	23.8	1.4
Other comb of 4 or more years Social Science	4,681	29	22.8	0.6	1,702	28	22.7	0.8	2,711	32	22.8	0.4
US Hist, World Hist, & Am Gov (Min. Core)	849	5	21.3	-0.9	304	5	20.5	-1.4	495	6	21.5	-0.9
Other comb of 3 or 3.5 years of Social Science	3,479	22	22.2	0.0	1,300	21	22.0	0.1	1,953	23	22.3	-0.1
Less than 3 years of Social Science	3,104	20	22.2	-	1,236	20	21.9	-	1,625	19	22.4	-
No Soc Sci course/grade information reported	2,926	18	22.0	-	1,220	20	21.4	-	1,203	14	22.0	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	5,911	37	22.5	2.6	2,328	38	23.2	2.8	3,219	38	21.9	2.4
Bio, Chem, Phys	1,734	11	24.0	4.1	646	11	24.8	4.4	976	12	23.3	3.8
Gen Sci ² , Bio, Chem (Min. Core)	3,252	20	19.7	-0.2	1,081	18	19.8	-0.6	1,962	23	19.6	0.1
Other comb of 3 years of Natural Science	264	2	20.1	0.2	122	2	20.7	0.3	128	2	19.4	-0.1
Less than 3 years of Natural Science	1,668	10	19.9	-	644	11	20.4	-	890	11	19.5	-
No Nat Sci course/grade information reported	3,076	19	21.3	-	1,274	21	21.3	-	1,288	15	20.9	-

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	1,771	11	23.0	82	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	9,638	61	21.4	74	766,001	59	20.5	68
Less than 4 years of English	1,746	11	21.3	76	141,777	11	19.7	64
No English course/grade information reported	2,750	17	21.3	74	201,619	16	20.7	69
MATHEMATICS COURSE PATTERN								
Alg 1, Alg 2, Geom, Trig, & Calc	1,831	12	25.0	78	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,135	7	21.7	52	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	1,697	11	20.3	37	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	1,194	8	19.9	33	163,562	13	20.4	38
Other comb of 4 or more years of Math	3,418	21	24.8	72	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	1,434	9	17.7	14	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	668	4	21.4	47	57,945	4	20.9	43
Less than 3 years of Math	1,604	10	20.1	35	145,617	11	18.3	21
No Math course/grade information reported	2,924	18	21.7	50	211,787	16	21.1	44
SOCIAL SCIENCE COURSE PATTERN								
US Hist, World Hist, Am Gov, & Other Hist	866	5	23.6	67	31,985	2	22.7	61
Other comb of 4 or more years Social Science	4,681	29	22.8	62	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	849	5	21.3	51	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	3,479	22	22.2	58	333,689	26	21.4	52
Less than 3 years of Social Science	3,104	20	22.2	58	201,605	16	20.6	47
No Soc Sci course/grade information reported	2,926	18	22.0	57	212,012	16	21.5	53
NATURAL SCIENCE COURSE PATTERN								
Gen Sci ¹ , Bio, Chem, & Phys	5,911	37	22.5	39	333,648	26	22.4	40
Bio, Chem, Phys	1,734	11	24.0	53	115,297	9	23.4	48
Gen Sci ¹ , Bio, Chem (Min. Core)	3,252	20	19.7	16	353,348	27	20.2	20
Other comb of 3 years of Natural Science	264	2	20.1	21	32,593	3	20.4	24
Less than 3 years of Natural Science	1,668	10	19.9	22	247,312	19	19.1	15
No Nat Sci course/grade information reported	3,076	19	21.3	31	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	87	1	20.0	3	1	18.0	75	1	20.2
Architecture & Environmental Design	166	1	21.6	4	1	16.8	155	1	21.7
Business & Management	1,031	6	21.0	28	10	15.8	955	8	21.2
Business & Office	37	0	18.9	6	2	17.0	29	0	18.9
Marketing & Distribution	119	1	20.6	3	1	16.3	112	1	20.8
Communications & Comm. Technologies	416	3	21.5	10	3	15.7	388	3	21.7
Community & Personal Services	199	1	18.2	17	6	16.5	167	1	18.5
Computer & Information Sciences	195	1	23.2	2	1	14.5	181	2	23.5
Cross-Disciplinary Studies	21	0	22.8	0	0	.	20	0	23.1
Education	623	4	20.4	4	1	14.5	584	5	20.6
Teacher Education	354	2	20.0	2	1	18.5	343	3	20.0
Engineering	521	3	25.3	3	1	19.3	504	4	25.4
Engineering-Related Technologies	245	2	23.6	6	2	17.5	238	2	23.8
Foreign Languages	78	0	23.8	1	0	14.0	75	1	24.0
Health Sciences & Allied Health Fields	2,004	13	21.5	85	29	17.3	1,845	15	21.7
Human, Family & Consumer Science	82	1	19.6	12	4	18.3	64	1	20.2
Letters	76	0	24.8	0	0	.	73	1	24.8
Mathematics	89	1	26.6	0	0	.	86	1	26.4
Philosophy, Religion & Theology	65	0	22.7	1	0	18.0	61	1	22.9
Sciences (Biological & Physical)	865	5	24.3	5	2	18.2	833	7	24.4
Social Sciences	833	5	22.7	1	0	14.0	801	7	22.8
Trade & Industrial	44	0	18.8	16	5	17.4	26	0	19.8
Visual & Performing Arts	437	3	21.4	15	5	18.9	402	3	21.5
Undecided	2,099	13	21.3	29	10	17.2	1,884	16	21.4
No Response	5,219	33	22.2	41	14	17.4	2,010	17	22.5

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	35	17.3	5	14.6	0	.	25	17.2	1	20.0	1	23.0	3	20.0
2-yr College Degree	259	17.1	25	13.8	1	17.0	185	17.7	6	16.3	0	.	42	16.8
Bachelors Degree	4,789	20.2	343	15.4	10	19.0	3,619	20.7	75	17.9	64	19.7	678	20.4
Graduate Study	3,286	23.1	219	17.8	4	20.8	2,439	23.4	46	21.3	51	23.0	527	23.8
Prof. Level Degree	3,836	23.7	371	18.6	10	22.9	2,552	24.3	89	21.1	145	25.3	669	24.3
Other	249	18.6	41	14.9	1	15.0	144	19.7	4	15.8	7	18.6	52	18.4
No Response	3,451	22.1	298	15.8	5	19.6	1,866	22.6	59	18.6	59	23.2	1,164	23.2

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
PENN STATE-UNIVERSITY PARK CAMPUS	Pennsylvania	3,156	1,200	1,956	2	6	20	32	26	12	1
UNIVERSITY OF PITTSBURGH	Pennsylvania	1,788	581	1,207	1	3	15	36	30	14	1
TEMPLE UNIVERSITY	Pennsylvania	850	211	639	5	14	29	32	16	5	0
DUQUESNE UNIVERSITY	Pennsylvania	796	284	512	0	3	19	40	28	10	1
SLIPPERY ROCK UNIVERSITY OF PENN	Pennsylvania	698	177	521	2	13	41	31	11	3	0
INDIANA UNIVERSITY OF PENNSYLVANIA	Pennsylvania	642	141	501	5	14	35	32	11	3	0
WEST CHESTER UNIVERSITY OF PENNSYLVANIA	Pennsylvania	579	122	457	4	14	36	33	11	2	0
EDINBORO UNIVERSITY OF PENNSYLVANIA	Pennsylvania	501	177	324	4	16	45	26	7	2	0
DREXEL UNIVERSITY	Pennsylvania	500	118	382	2	8	20	28	27	13	1
GANNON UNIVERSITY	Pennsylvania	499	118	381	2	10	32	31	17	7	0
UNIVERSITY OF PENNSYLVANIA	Pennsylvania	498	185	313	1	5	6	19	28	35	5
BLOOMSBURG UNIVERSITY OF PENNSYLVANIA	Pennsylvania	458	146	312	4	14	38	31	12	2	0
CALIFORNIA UNIVERSITY OF PENNSYLVANIA	Pennsylvania	411	192	219	5	17	43	27	7	2	0
KUTZTOWN UNIVERSITY OF PENNSYLVANIA	Pennsylvania	405	119	286	6	20	40	24	8	2	0
MILLERSVILLE UNIVERSITY OF PENNSYLVANIA	Pennsylvania	405	111	294	6	12	31	35	13	3	0
VILLANOVA UNIVERSITY	Pennsylvania	389	70	319	1	6	9	28	33	21	2
MERCYHURST COLLEGE	Pennsylvania	384	107	277	4	14	33	30	14	4	0
WEST VIRGINIA UNIVERSITY	West Virginia	372	105	267	1	7	24	41	24	4	0
CLARION UNIVERSITY OF PENNSYLVANIA	Pennsylvania	371	102	269	3	15	39	31	9	2	0
SHIPPENSBURG UNIVERSITY OF PENNSYLVANIA	Pennsylvania	344	65	279	5	11	33	37	12	2	0
CARNEGIE MELLON UNIVERSITY	Pennsylvania	332	86	246	0	1	6	15	39	33	6
UNIVERSITY OF DELAWARE	Delaware	323	74	249	1	2	12	37	30	17	1
ROBERT MORRIS UNIVERSITY	Pennsylvania	314	74	240	2	9	33	39	14	3	0
ALLEGHENY COLLEGE	Pennsylvania	282	86	196	0	4	11	35	30	20	1
NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE	Iowa	280	134	146	3	14	35	27	15	5	1
LOCK HAVEN U OF PENNSYLVANIA	Pennsylvania	268	56	212	5	13	39	31	10	1	0
BUCKNELL UNIVERSITY	Pennsylvania	263	72	191	0	1	6	24	32	34	3
LEHIGH UNIVERSITY	Pennsylvania	257	55	202	0	1	8	25	33	30	3
WASHINGTON AND JEFFERSON COLLEGE	Pennsylvania	257	54	203	1	4	23	38	26	8	0
GROVE CITY COLLEGE	Pennsylvania	241	91	150	0	0	13	32	38	15	2
All Other Institutions		20,175	5,297	14,878	3	8	22	28	23	14	2
Total		37,038	10,410	26,628	2	8	23	30	22	12	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	8,210	532,943	23.0	22.3	7.9	7.6	22.6	21.8
African Am./Black	562	50,340	17.0	17.2	6.9	6.7	17.3	17.3
Am. Indian/Alaska Native	14	3,462	21.2	19.8	7.6	7.0	21.1	19.4
Caucasian Am./White	5,478	308,578	23.4	23.4	7.9	7.6	22.9	22.6
Hispanic	142	42,588	20.1	18.8	7.2	7.3	19.8	19.0
Asian Am./Pacific Islander	222	25,616	24.1	23.2	8.0	8.0	23.6	22.8
Other/No Response	1,792	102,359	23.9	23.2	8.0	7.8	23.4	22.7
Males	2,869	204,427	22.6	22.0	7.6	7.3	22.1	21.3
Females	4,556	285,556	23.2	22.5	8.0	7.7	22.9	22.1
Missing	785	42,960	23.6	23.0	8.1	7.8	23.2	22.6

