

ACT High School Profile Report

The Graduating Class of 2008
Utah



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This report provides information about the performance of your 2008 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 2008 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, 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

25% of 2008 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. 22,598 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. 60% of the students in the cohort reported taking courses that would be considered 'Core or More' (Table 1.4).

MAKING SURE STUDENTS ARE TAKING THE RIGHT KINDS OF COURSES. Table 3.2 reports 7% of the cohort took less than three years of math courses. Of these students, 14% were college ready. 19% of the cohort reported taking the minimum core (Algebra I, Algebra II, and Geometry). 14% 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 25% of the cohort took less than three years of natural science courses. 23% of these students were college ready. In comparison, 35% of students who took at least three years of science coursework were college ready.

EVALUATING RIGOR OF COURSES. Table 2.6 reports the percentage of students falling in each of the ACT College Readiness Standards score ranges. For example, approximately 45% of the cohort fall into the lowest three Mathematics score ranges. To increase these students' achievement, identify the standards they should focus on next by accessing ACT's College Readiness Standards at www.act.org/standard.

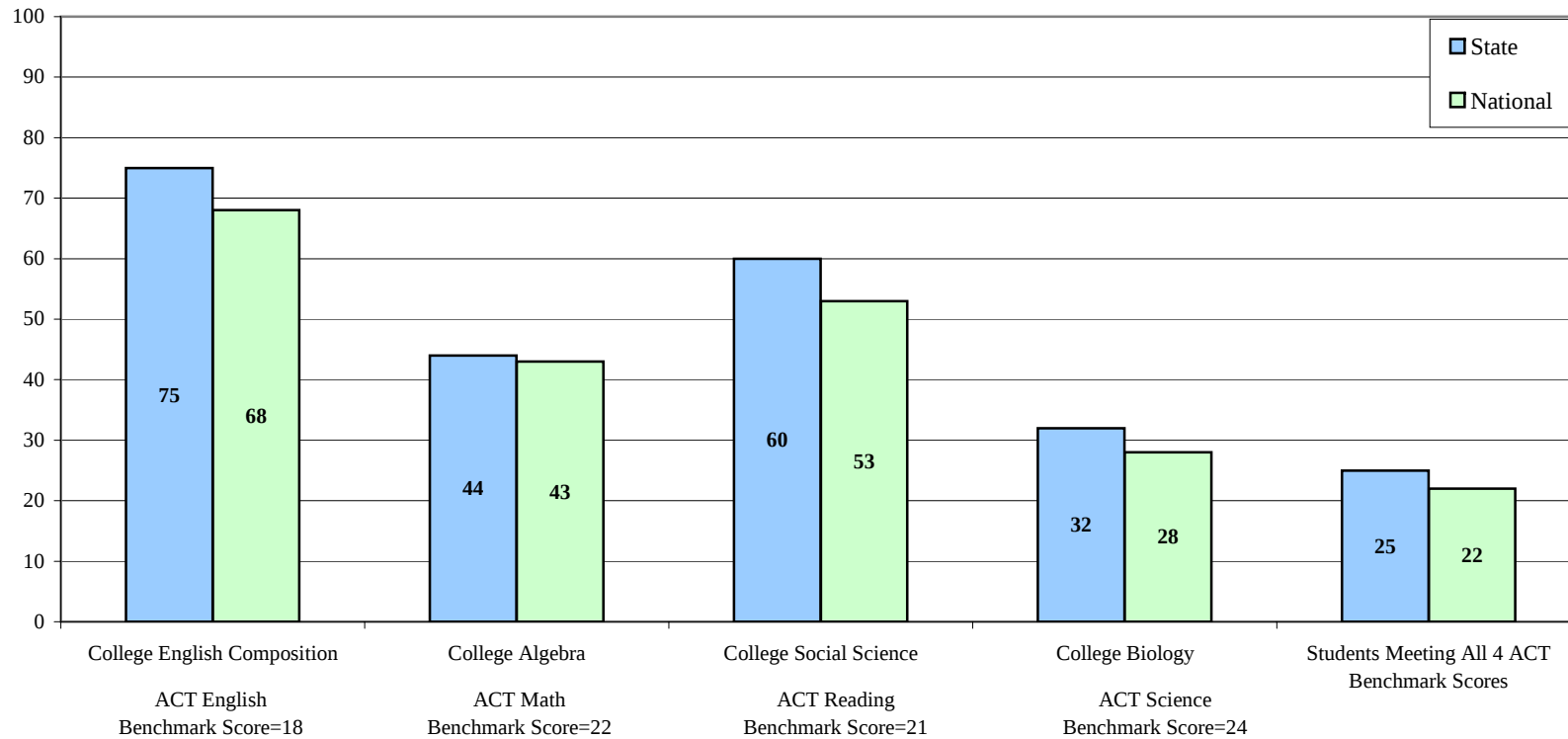
PLAN GUIDANCE ACTIVITIES BASED ON STUDENTS' CAREER AND COLLEGE ASPIRATIONS. Data in Tables 4.1 and 4.2 enable the reader to determine if aspirations are consistent with academic performance and whether among students with similar aspirations, academic performance is consistent across racial/ethnic groups.

For more information on interpreting data in this report, or to learn how ACT can help your students improve their readiness for college and the workplace, contact your regional office at 916-631-9200.

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
2004	20,856	1,171,460	72	68	42	40	58	52	29	26	22	21
2005	20,593	1,186,251	73	68	43	41	58	51	30	26	23	21
2006	21,561	1,206,455	74	69	43	42	60	53	31	27	24	21
2007	22,008	1,300,599	74	69	43	43	57	53	30	28	24	23
2008	22,598	1,421,941	75	68	44	43	60	53	32	28	25	22

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
2004	20,856	1,171,460	20.9	20.4	20.9	20.7	22.2	21.3	21.4	20.9	21.5	20.9
2005	20,593	1,186,251	21.1	20.4	21.0	20.7	22.2	21.3	21.4	20.9	21.5	20.9
2006	21,561	1,206,455	21.2	20.6	21.0	20.8	22.4	21.4	21.6	20.9	21.7	21.1
2007	22,008	1,300,599	21.3	20.7	21.1	21.0	22.2	21.5	21.6	21.0	21.7	21.2
2008	22,598	1,421,941	21.4	20.6	21.1	21.0	22.5	21.4	21.6	20.8	21.8	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
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
2008	1,421,941	20.6	21.0	21.4	20.8	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									
					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
2004	8,959	10,435	43	50	22.0	20.0	21.9	20.2	23.1	21.4	22.1	20.8	22.4	20.7
2005	8,847	9,795	43	48	22.2	20.2	21.9	20.3	23.2	21.3	22.2	20.8	22.5	20.8
2006	10,536	8,303	49	39	22.2	20.1	22.0	20.0	23.2	21.5	22.4	20.7	22.6	20.7
2007	9,967	8,008	45	36	22.2	20.1	21.9	20.0	23.0	21.3	22.3	20.7	22.5	20.6
2008	13,612	7,579	60	34	22.1	20.2	21.8	20.0	23.1	21.5	22.2	20.6	22.4	20.7

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

	2004			2005			2006			2007			2008		
	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg	N	%	Avg
All Students	20,856	100	21.5	20,593	100	21.5	21,561	100	21.7	22,008	100	21.7	22,598	100	21.8
African American/Black	107	1	18.1	120	1	17.4	148	1	18.2	159	1	18.5	179	1	17.9
American Indian/Alaska Native	190	1	17.4	211	1	17.6	197	1	18.2	193	1	18.6	195	1	17.9
Caucasian American/White	17,514	84	21.7	17,100	83	21.8	16,943	79	22.0	16,326	74	21.9	18,026	80	22.0
Hispanic	775	4	18.9	861	4	18.9	801	4	19.3	940	4	19.0	1,099	5	18.9
Asian American/Pacific Islander	607	3	20.5	568	3	21.0	694	3	20.7	657	3	21.3	777	3	21.3
Other/No Response	1,663	8	21.7	1,733	8	21.4	2,778	13	21.3	3,733	17	21.6	2,322	10	22.0

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	33	100	34	100	146	100	92	100	6	100	36
35	245	100	95	100	216	99	97	100	43	100	35
34	267	99	168	99	301	98	108	99	91	100	34
33	240	98	214	99	406	97	174	99	176	99	33
32	314	97	213	98	529	95	211	98	225	99	32
31	425	95	209	97	734	93	163	97	355	98	31
30	539	93	397	96	921	90	330	96	496	96	30
29	645	91	479	94	832	86	428	95	653	94	29
28	709	88	809	92	913	82	542	93	737	91	28
27	734	85	878	88	895	78	799	91	1,014	88	27
26	922	82	1,057	85	903	74	948	87	1,108	83	26
25	1,260	78	1,366	80	1,085	70	1,819	83	1,322	78	25
24	1,273	72	1,410	74	1,291	65	1,566	75	1,507	72	24
23	1,378	66	1,385	68	1,752	59	1,723	68	1,656	66	23
22	1,628	60	1,132	61	1,208	52	2,296	60	1,810	58	22
21	1,966	53	1,398	56	1,529	46	1,721	50	1,869	50	21
20	1,754	44	1,227	50	1,727	40	2,465	42	1,883	42	20
19	1,309	37	1,527	45	1,466	32	1,957	31	1,815	34	19
18	1,221	31	1,865	38	1,009	25	1,468	23	1,664	26	18
17	1,178	25	2,014	30	1,019	21	900	16	1,317	18	17
16	978	20	2,415	21	1,032	16	850	12	1,038	13	16
15	1,056	16	1,507	10	832	12	510	9	743	8	15
14	708	11	580	4	689	8	468	6	529	5	14
13	503	8	144	1	518	5	338	4	307	2	13
12	399	6	51	1	323	3	278	3	168	1	12
11	301	4	17	1	176	1	176	2	53	1	11
10	266	3	5	1	93	1	90	1	8	1	10
9	167	2	2	1	25	1	54	1	4	1	9
8	120	1	0	1	12	1	16	1	1	1	8
7	44	1	0	1	7	1	3	1	0	1	7
6	13	1	0	1	5	1	5	1	0	1	6
5	1	1	0	1	2	1	2	1	0	1	5
4	1	1	0	1	0	1	1	1	0	1	4
3	0	1	0	1	0	1	0	1	0	1	3
2	1	1	0	1	2	1	0	1	0	1	2
1	0	1	0	1	0	1	0	1	0	1	1
Avg (SD)	21.4 (5.7)		21.1 (4.9)		22.5 (5.8)		21.6 (4.6)		21.8 (4.7)		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	664	100	182	100	705	100	689	100	816	100	137	100	129	100	18
17	810	97	542	99	988	97	1,136	97	813	96	303	99	107	99	17
16	1,128	93	1,267	97	1,360	93	2,113	92	1,045	93	412	98	849	99	16
15	925	88	1,896	91	1,705	86	1,723	83	1,170	88	762	96	883	95	15
14	1,296	84	1,451	83	1,480	79	1,900	75	1,632	83	2,025	93	2,104	91	14
13	1,855	79	2,026	76	2,189	72	1,197	67	1,786	76	1,943	84	1,855	82	13
12	1,711	70	3,166	67	2,078	63	2,331	61	2,100	68	2,275	75	2,848	74	12
11	2,366	63	2,592	53	2,362	54	2,636	51	2,083	59	3,589	65	2,363	61	11
10	2,720	52	3,241	42	2,557	43	2,073	39	2,613	49	3,976	49	4,118	51	10
9	2,297	40	2,020	28	2,550	32	1,749	30	1,821	38	3,162	32	2,573	32	9
8	2,042	30	1,748	19	2,161	20	1,562	22	3,091	30	1,912	18	1,894	21	8
7	1,628	21	1,069	11	1,096	11	1,146	15	2,346	16	685	9	1,312	13	7
6	1,323	14	634	6	753	6	1,051	10	910	6	648	6	611	7	6
5	901	8	381	3	325	3	837	6	252	2	461	3	439	4	5
4	591	4	285	2	161	1	323	2	80	1	155	1	209	2	4
3	242	2	79	1	90	1	90	1	27	1	112	1	219	1	3
2	95	1	17	1	27	1	39	1	11	1	14	1	50	1	2
1	4	1	2	1	11	1	3	1	2	1	27	1	35	1	1
Avg (SD)	10.5 (3.6)		11.2 (3.0)		11.4 (3.3)		11.5 (3.6)		11.0 (3.3)		10.7 (2.7)		10.7 (2.9)		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	27	25	25
Q2 (50th Percentile)	21	20	22	21	21
Q1 (25th Percentile)	17	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	22,598	60	22.4	20.7
	African Am./Black	179	62	18.6	16.6
	Am. Indian/Alaska Native	195	47	19.6	16.3
	Caucasian Am./White	18,026	61	22.7	20.9
	Hispanic	1,099	58	19.6	17.9
	Asian Am./Pacific Islander	777	70	21.8	20.3
	Other/No Response	2,322	51	22.5	20.9
National	All Students	1,421,941	61	22.0	19.5
	African Am./Black	178,417	58	17.7	16.0
	Am. Indian/Alaska Native	14,380	53	20.3	17.6
	Caucasian Am./White	895,588	64	22.9	20.4
	Hispanic	114,697	60	19.6	17.4
	Asian Am./Pacific Islander	51,368	71	23.4	21.4
	Other/No Response	167,491	52	22.5	20.1

Table 2.5. Average ACT Scores by Race/Ethnicity

Student Group	Race/Ethnicity	English	Mathematics	Reading	Science	Composite
State	All Students	21.4	21.1	22.5	21.6	21.8
	African Am./Black	17.1	17.7	18.6	17.7	17.9
	Am. Indian/Alaska Native	16.1	17.9	18.5	18.5	17.9
	Caucasian Am./White	21.7	21.3	22.8	21.8	22.0
	Hispanic	17.8	18.8	19.5	19.1	18.9
	Asian Am./Pacific Islander	20.4	21.4	21.6	21.3	21.3
	Other/No Response	21.7	21.2	22.9	21.6	22.0
National	All Students	20.6	21.0	21.4	20.8	21.1
	African Am./Black	16.1	17.0	17.0	17.2	16.9
	Am. Indian/Alaska Native	18.1	18.8	19.6	19.2	19.0
	Caucasian Am./White	21.7	21.8	22.5	21.7	22.1
	Hispanic	17.7	19.0	18.9	18.7	18.7
	Asian Am./Pacific Islander	22.1	24.1	22.4	22.3	22.9
	Other/No Response	21.2	21.7	22.1	21.2	21.7

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	785	3	511	2	1,069	5	471	2
	28 to 32	2,632	12	2,107	9	3,929	17	1,674	7
	24 to 27	4,189	19	4,711	21	4,174	18	5,132	23
	20 to 23	6,726	30	5,142	23	6,216	28	8,205	36
	16 to 19	4,686	21	7,821	35	4,526	20	5,175	23
	13 to 15	2,267	10	2,231	10	2,039	9	1,316	6
	01 to 12	1,313	6	75	0	645	3	625	3
National	33 to 36	52,735	4	40,359	3	63,798	4	26,499	2
	28 to 32	146,337	10	138,694	10	203,096	14	89,946	6
	24 to 27	237,950	17	283,854	20	231,039	16	281,932	20
	20 to 23	383,117	27	294,322	21	343,326	24	474,554	33
	16 to 19	293,110	21	466,291	33	312,300	22	359,785	25
	13 to 15	175,652	12	188,580	13	191,145	13	121,336	9
	01 to 12	133,040	9	9,841	1	77,237	5	67,889	5

Table 2.7. Average ACT Scores by Gender

Student Group	Gender	N	Percent	Average ACT Scores				
				English	Math	Reading	Science	Composite
State	Males	10,533	47	21.0	22.0	22.5	22.3	22.1
	Females	11,531	51	21.7	20.4	22.5	21.0	21.5
	Missing	534	2	22.2	21.6	23.4	22.1	22.4
National	Males	625,887	44	20.1	21.6	21.2	21.3	21.2
	Females	764,282	54	21.0	20.4	21.5	20.4	21.0
	Missing	31,772	2	22.8	23.3	23.6	22.4	23.1

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	72	50	60	38	30
	Females	77	37	61	27	20
National	Males	65	47	51	32	26
	Females	70	38	53	24	19

Table 2.9. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Overall High School Curriculum

Student Group	Curriculum Taken ²	N	English		Mathematics		Reading		Science		Composite ¹	
			CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg	CRB %	Avg
State	Core	13,612	79	22.1	49	21.8	65	23.1	37	22.2	29	22.4
	Non-Core	7,579	67	20.2	34	20.0	53	21.5	24	20.6	18	20.7
	Missing	1,407	70	20.9	42	20.9	59	22.4	30	21.3	24	21.5
National	Core	873,743	75	21.6	50	21.9	59	22.3	33	21.6	27	22.0
	Non-Core	431,748	56	18.8	29	19.3	41	19.9	18	19.4	14	19.5
	Missing	116,450	62	19.9	42	20.8	48	20.8	27	20.3	23	20.6

¹% under Composite heading reflects the percent of students who meet all four benchmarks

²"Curriculum Taken" reflects overall high school curriculum.

For instance, "Core" results correspond to students taking four years of English AND three years each of math, social studies, and natural science.

Table 2.10. Number, College Readiness Benchmark Percent, and Average ACT Scores for ACT-Tested Graduates by Content-Specific Curriculum

Student Group	Curriculum Taken ¹	English			Mathematics			Reading			Science		
		N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg	N	CRB %	Avg
State	Core	19,669	75	21.5	19,788	46	21.4	19,498	61	22.6	15,740	35	22.1
	Non-Core	1,791	69	20.3	1,540	14	17.4	1,881	52	21.5	5,542	23	20.4
	Missing	1,138	72	21.2	1,270	42	20.9	1,219	60	22.5	1,316	31	21.4
National	Core	1,216,115	70	20.8	1,192,135	46	21.4	1,137,832	54	21.6	1,063,049	32	21.4
	Non-Core	111,558	57	18.8	124,104	14	17.4	183,026	45	20.4	253,561	13	18.7
	Missing	94,268	64	20.2	105,702	42	20.8	101,083	50	21.1	105,331	28	20.5

¹"Curriculum Taken" reflects content-specific curriculum.

For instance, Reading "Core" results correspond to students taking three or more years each 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

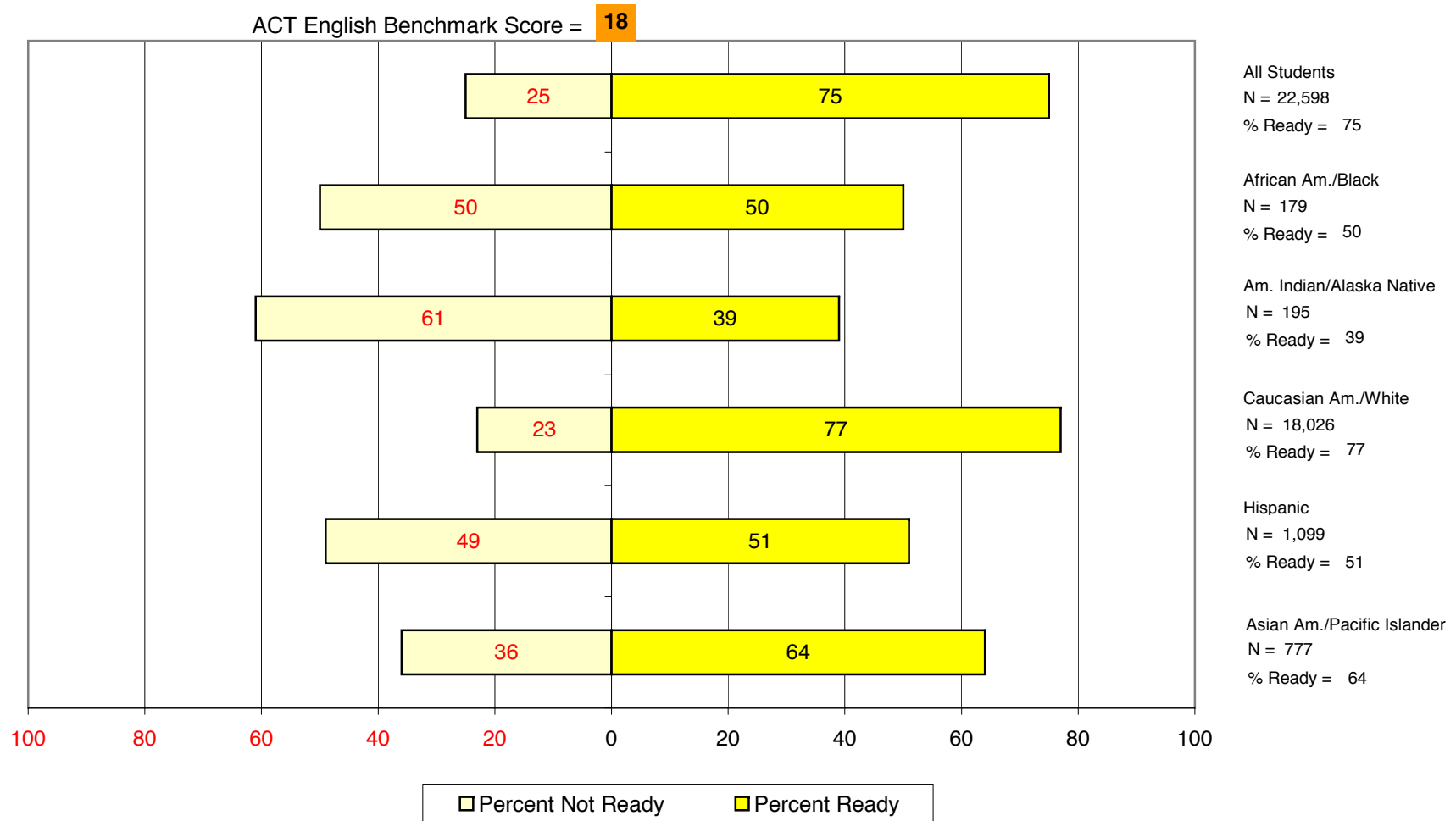


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

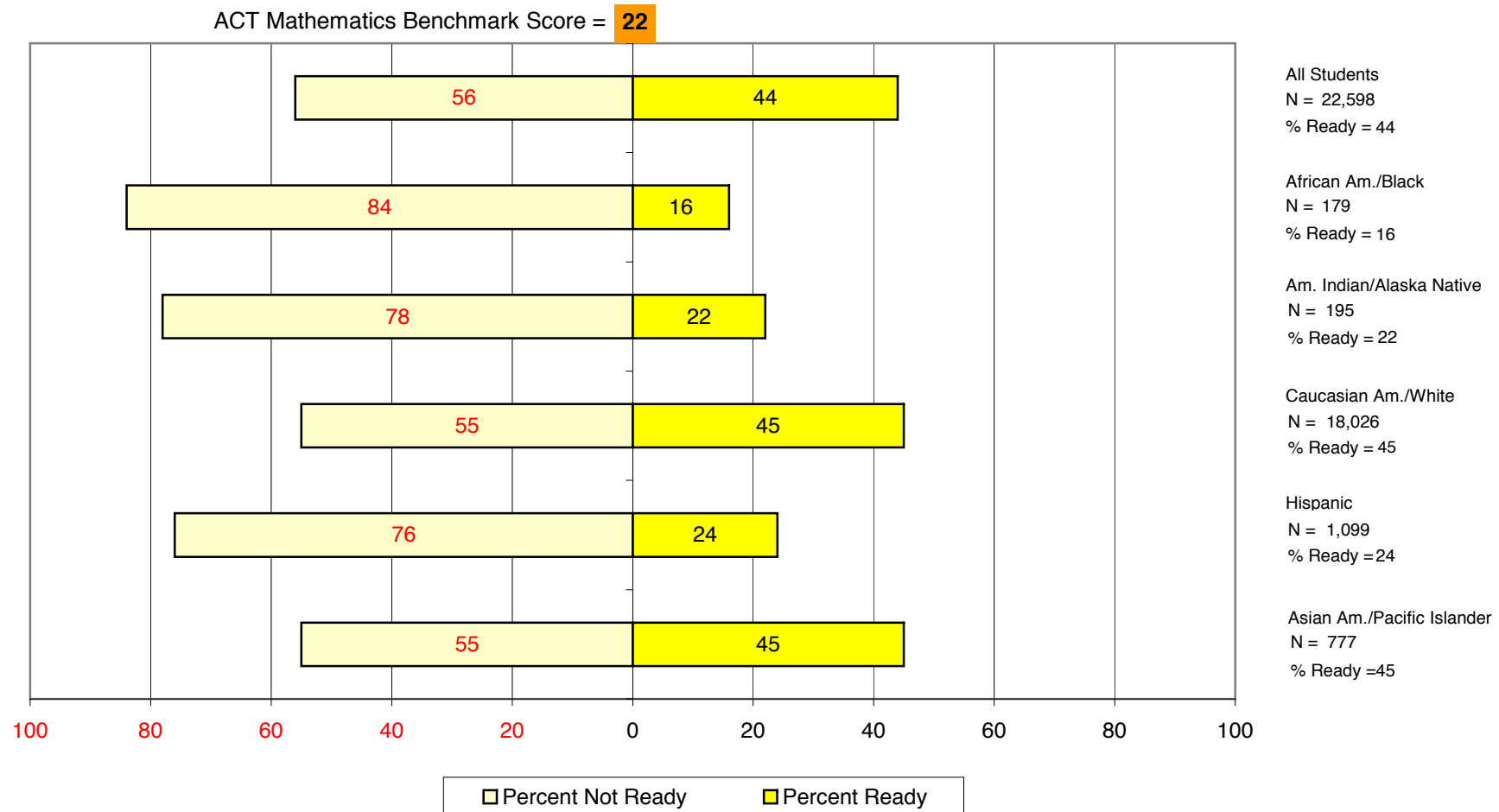


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

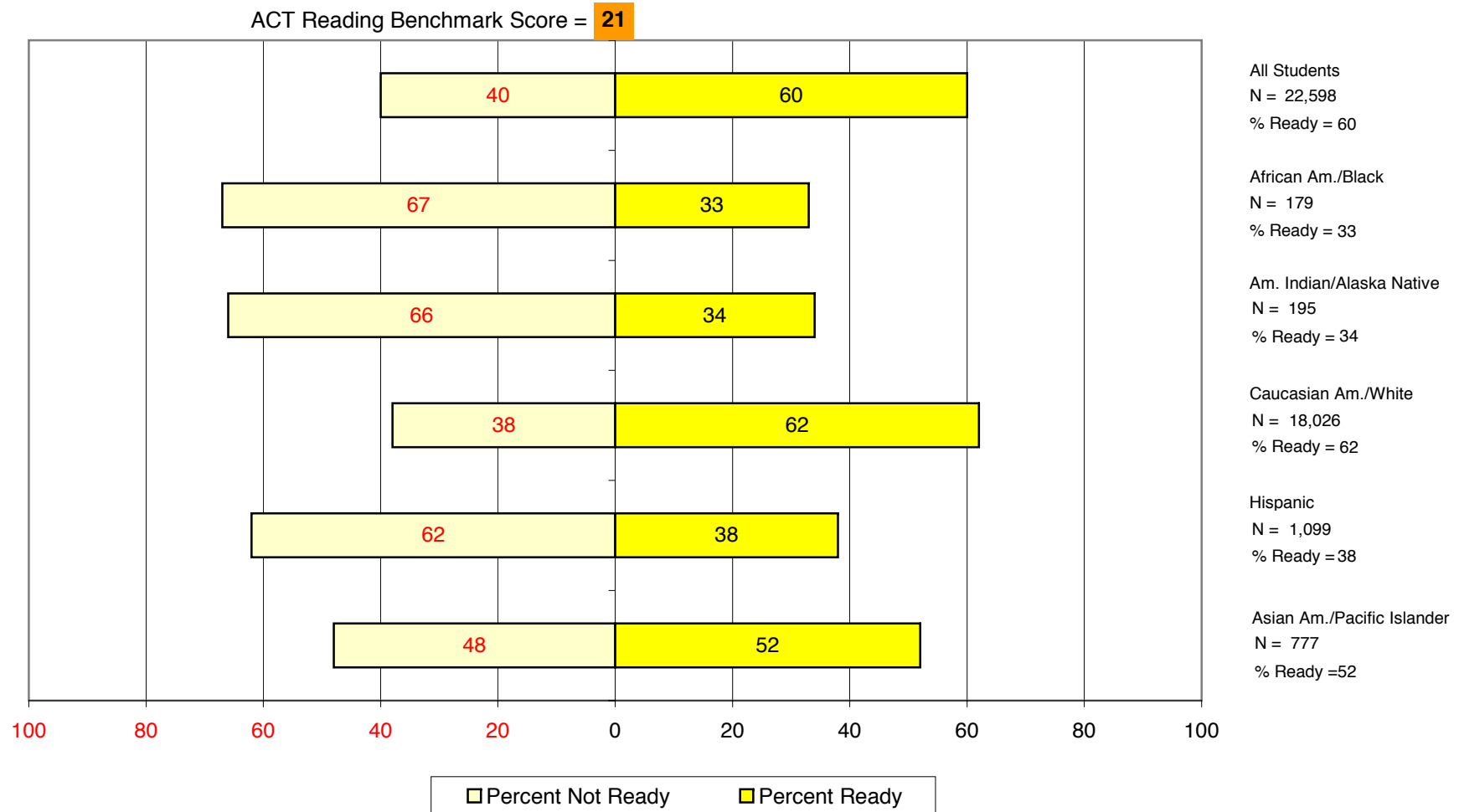


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

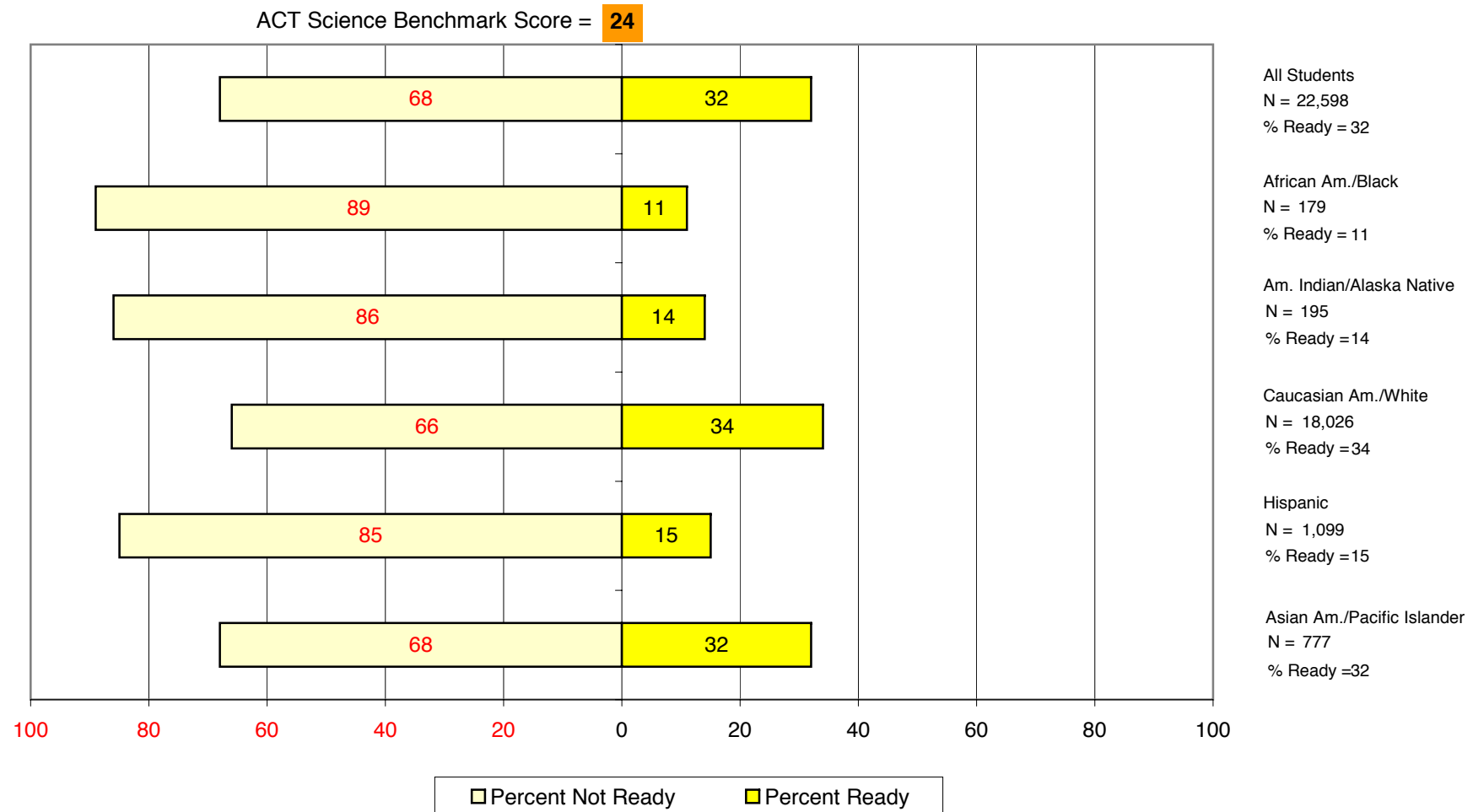


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

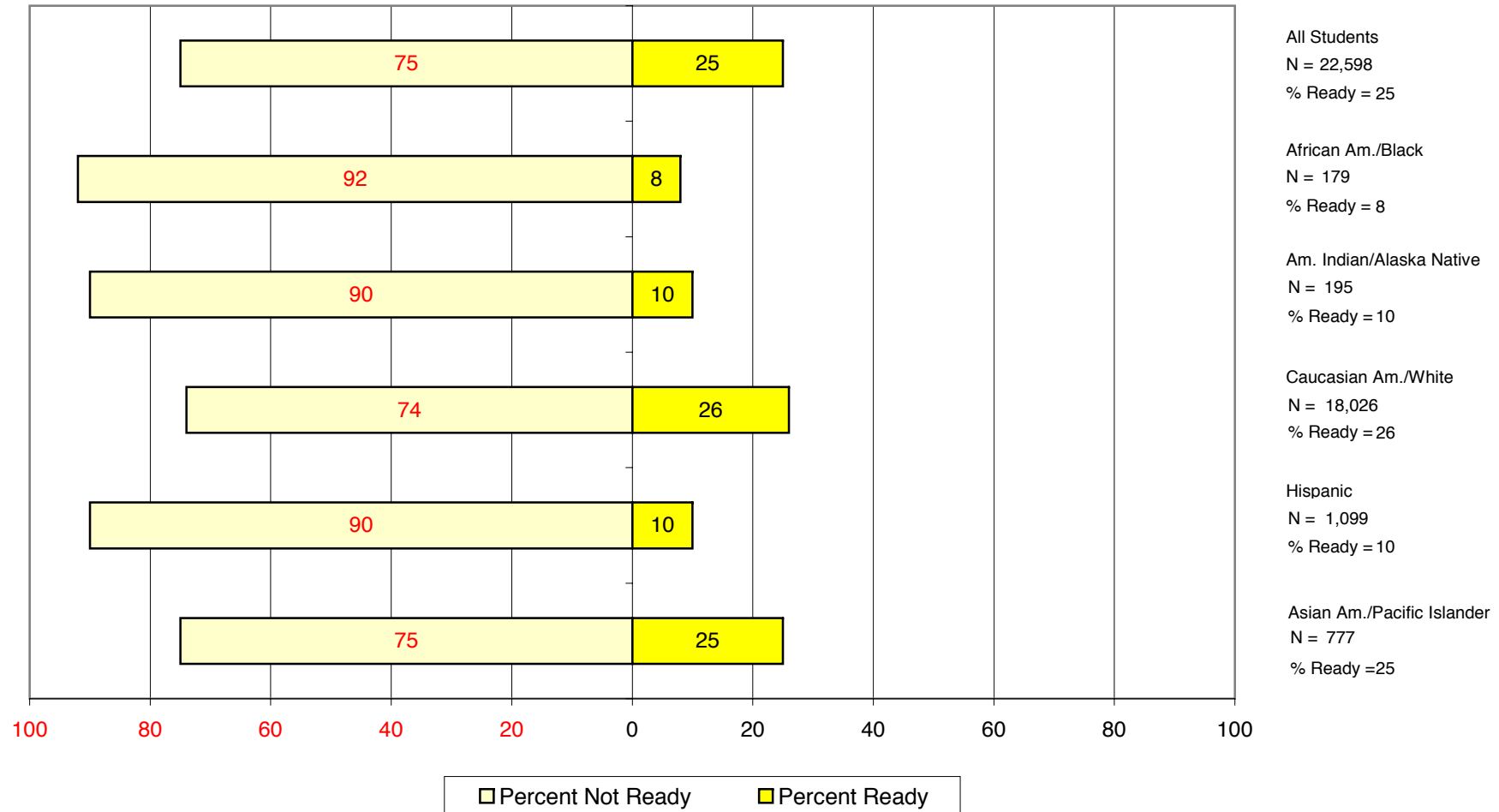


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	5,741	25	22.1	1.8	2,428	23	21.8	1.7	3,240	28	22.3	1.8
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	13,928	62	21.2	0.9	6,767	64	20.9	0.8	6,943	60	21.5	1.0
Less than 4 years of English	1,807	8	20.3	-	843	8	20.1	-	895	8	20.5	-
No English course/grade information reported	1,122	5	21.1	-	495	5	20.7	-	453	4	20.9	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	1,180	5	24.4	6.9	607	6	25.2	7.3	553	5	23.5	6.5
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,396	6	22.5	5.0	540	5	23.1	5.2	838	7	22.1	5.1
Alg 1, Alg 2, Geom, & Trig	1,049	5	20.7	3.2	464	4	21.2	3.3	555	5	20.2	3.2
Alg 1, Alg 2, Geom, & Other Adv Math	3,255	14	20.6	3.1	1,297	12	21.2	3.3	1,901	16	20.2	3.2
Other comb of 4 or more years of Math	7,294	32	23.5	6.0	3,839	36	24.3	6.4	3,353	29	22.4	5.4
Alg 1, Alg 2, & Geom (Min. Core)	4,296	19	17.9	0.4	1,856	18	18.4	0.5	2,365	21	17.4	0.4
Other comb of 3 or 3.5 years of Math	1,318	6	20.8	3.3	665	6	21.1	3.2	629	5	20.6	3.6
Less than 3 years of Math	1,624	7	17.5	-	739	7	17.9	-	853	7	17.0	-
No Math course/grade information reported	1,186	5	21.1	-	526	5	21.9	-	484	4	19.8	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	388	2	22.4	0.9	203	2	22.5	1.0	173	2	22.3	0.9
Other comb of 4 or more years Social Science	11,645	52	22.9	1.4	5,146	49	22.9	1.4	6,347	55	22.9	1.5
US Hist, World Hist, & Am Gov (Min. Core)	788	3	20.9	-0.6	429	4	21.2	-0.3	348	3	20.3	-1.1
Other comb of 3 or 3.5 years of Social Science	6,677	30	22.3	0.8	3,241	31	22.2	0.7	3,330	29	22.4	1.0
Less than 3 years of Social Science	1,907	8	21.5	-	981	9	21.5	-	849	7	21.4	-
No Soc Sci course/grade information reported	1,193	5	22.5	-	533	5	22.6	-	484	4	21.7	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	5,808	26	22.4	2.0	3,076	29	23.2	2.4	2,642	23	21.6	1.6
Bio, Chem, Phys	1,356	6	23.8	3.4	732	7	24.3	3.5	604	5	23.1	3.1
Gen Sci ² , Bio, Chem (Min. Core)	5,951	26	21.5	1.1	2,346	22	22.2	1.4	3,496	30	21.1	1.1
Other comb of 3 years of Natural Science	2,625	12	21.5	1.1	1,467	14	22.1	1.3	1,122	10	20.7	0.7
Less than 3 years of Natural Science	5,624	25	20.4	-	2,364	22	20.8	-	3,159	27	20.0	-
No Nat Sci course/grade information reported	1,234	5	21.4	-	548	5	21.8	-	508	4	20.7	-

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	5,741	25	22.1	79	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	13,928	62	21.2	74	949,721	67	20.5	68
Less than 4 years of English	1,807	8	20.3	69	112,496	8	18.8	56
No English course/grade information reported	1,122	5	21.1	72	93,330	7	20.2	64
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	1,180	5	24.4	71	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	1,396	6	22.5	60	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	1,049	5	20.7	42	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	3,255	14	20.6	39	204,909	14	20.4	38
Other comb of 4 or more years of Math	7,294	32	23.5	63	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	4,296	19	17.9	14	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	1,318	6	20.8	41	70,951	5	20.8	41
Less than 3 years of Math	1,624	7	17.5	14	131,252	9	17.4	14
No Math course/grade information reported	1,186	5	21.1	44	98,554	7	21.1	44
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	388	2	22.4	61	42,546	3	22.7	61
Other comb of 4 or more years Social Science	11,645	52	22.9	64	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	788	3	20.9	50	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	6,677	30	22.3	59	404,731	28	21.3	52
Less than 3 years of Social Science	1,907	8	21.5	52	185,561	13	20.4	45
No Soc Sci course/grade information reported	1,193	5	22.5	60	98,548	7	21.1	50
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	5,808	26	22.4	39	453,654	32	22.2	38
Bio, Chem, Phys	1,356	6	23.8	52	134,033	9	23.2	47
Gen Sci ¹ , Bio, Chem (Min. Core)	5,951	26	21.5	30	435,183	31	20.1	20
Other comb of 3 years of Natural Science	2,625	12	21.5	31	40,179	3	20.1	22
Less than 3 years of Natural Science	5,624	25	20.4	23	259,142	18	18.7	13
No Nat Sci course/grade information reported	1,234	5	21.4	31	99,750	7	20.6	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	218	1	19.2	29	3	16.9	183	1	19.7
Architecture & Environmental Design	473	2	21.4	20	2	18.4	431	2	21.6
Business & Management	1,806	8	21.2	78	7	17.5	1,623	9	21.4
Business & Office	156	1	19.6	17	2	17.2	128	1	20.0
Marketing & Distribution	155	1	20.4	14	1	17.1	130	1	20.9
Communications & Comm. Technologies	387	2	21.6	24	2	17.8	341	2	21.9
Community & Personal Services	348	2	19.4	59	5	17.5	271	1	19.8
Computer & Information Sciences	456	2	23.2	17	2	20.2	411	2	23.4
Cross-Disciplinary Studies	16	0	23.4	1	0	19.0	14	0	23.7
Education	849	4	21.7	23	2	17.2	786	4	21.8
Teacher Education	538	2	20.8	16	1	19.4	497	3	21.0
Engineering	662	3	24.1	16	1	18.5	612	3	24.3
Engineering-Related Technologies	576	3	23.1	14	1	18.0	534	3	23.5
Foreign Languages	120	1	22.9	7	1	21.6	107	1	23.2
Health Sciences & Allied Health Fields	4,124	18	21.5	215	19	18.0	3,732	20	21.7
Human, Family & Consumer Science	309	1	20.2	30	3	19.6	263	1	20.4
Letters	177	1	24.4	4	0	20.5	166	1	24.6
Mathematics	123	1	25.3	3	0	17.3	112	1	25.5
Philosophy, Religion & Theology	57	0	23.4	1	0	19.0	53	0	23.4
Sciences (Biological & Physical)	958	4	24.2	13	1	20.1	904	5	24.2
Social Sciences	1,242	5	22.7	24	2	19.0	1,163	6	22.8
Trade & Industrial	355	2	18.9	91	8	17.4	245	1	19.4
Visual & Performing Arts	1,648	7	21.6	129	11	18.5	1,421	8	21.9
Undecided	4,333	19	21.7	229	20	18.0	3,723	20	22.0
No Response	2,512	11	21.7	48	4	17.5	1,030	5	21.9

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	223	17.7	1	17.0	5	17.2	188	17.9	8	15.3	1	20.0	20	17.2
2-yr College Degree	899	18.1	11	14.9	19	14.6	731	18.5	62	16.7	18	16.4	58	17.7
Bachelors Degree	9,097	20.8	60	17.0	74	17.6	7,631	21.0	397	17.9	233	19.2	702	20.5
Graduate Study	4,124	23.3	33	18.5	20	19.0	3,452	23.5	141	20.5	129	22.4	349	23.2
Prof. Level Degree	5,659	23.2	56	19.4	51	19.5	4,311	23.6	378	20.2	298	23.2	565	23.4
Other	345	19.2	4	14.8	5	13.2	247	19.8	23	15.8	13	19.6	53	19.0
No Response	2,251	21.7	14	17.9	21	18.1	1,466	21.8	90	18.2	85	20.3	575	22.5

Table 4.3. Students' Score Report Preferences at Time of Testing

Name	State	Number of Students			Percent of Students in College Readiness Standards Ranges						
		Total	1st Choice	2nd-6th Choice	01-12	13-15	16-19	20-23	24-27	28-32	33-36
UNIVERSITY OF UTAH	Utah	8,958	2,945	6,013	1	5	21	32	26	14	2
UTAH STATE UNIVERSITY	Utah	8,037	2,200	5,837	1	4	22	34	25	12	1
BRIGHAM YOUNG UNIVERSITY	Utah	6,378	3,269	3,109	0	2	15	30	31	19	3
UTAH VALLEY STATE COLLEGE	Utah	5,046	1,246	3,800	1	7	29	33	22	8	0
WEBER STATE UNIVERSITY	Utah	4,405	1,373	3,032	1	7	28	34	21	9	1
SOUTHERN UTAH UNIVERSITY	Utah	3,801	895	2,906	1	6	27	35	22	9	1
DIXIE STATE COLLEGE OF UTAH	Utah	2,590	725	1,865	1	10	35	34	16	4	0
SALT LAKE COMMUNITY COLLEGE	Utah	2,515	653	1,862	2	11	34	34	16	4	0
SNOW COLLEGE	Utah	2,372	570	1,802	1	10	31	33	18	5	0
BRIGHAM YOUNG UNIVERSITY-IDAHO	Idaho	2,038	352	1,686	0	2	18	32	31	16	1
WESTMINSTER COLLEGE	Utah	1,273	212	1,061	1	6	21	31	26	14	1
BRIGHAM YOUNG UNIVERSITY-HAWAII CAMPUS	Hawaii	569	73	496	0	3	20	32	30	15	1
COLLEGE OF EASTERN UTAH	Utah	457	163	294	1	13	36	35	12	3	0
NCAA ELIGIBILITY CENTER	Indiana	392	164	228	1	5	26	41	17	10	0
LDS BUSINESS COLLEGE	Utah	283	41	242	1	9	33	33	18	6	0
STANFORD UNIVERSITY	California	280	46	234	0	1	5	14	25	40	17
ARIZONA STATE UNIV AT THE TEMPE CAMPUS	Arizona	255	64	191	2	6	24	34	23	11	1
UNIVERSITY OF SOUTHERN CALIFORNIA	California	251	36	215	1	8	14	26	24	24	3
UNIVERSITY OF CALIFORNIA-LOS ANGELES	California	192	33	159	0	8	20	28	24	16	4
UNIVERSITY OF WASHINGTON	Washington	166	19	147	0	2	13	22	34	27	2
HARVARD COLLEGE	Massachusetts	163	29	134	0	1	6	9	20	40	25
PROVO COLLEGE	Utah	148	10	138	2	16	35	33	12	1	0
BOISE STATE UNIVERSITY	Idaho	139	26	113	0	5	26	38	19	11	1
UNIVERSITY OF NEVADA-LAS VEGAS	Nevada	129	18	111	1	10	34	29	19	6	0
UNIVERSITY OF ARIZONA	Arizona	123	23	100	2	5	20	35	28	10	1
UNIV OF COLORADO-BOULDER	Colorado	122	15	107	0	2	16	32	31	16	2
UNIVERSITY OF OREGON	Oregon	118	21	97	0	1	14	33	31	20	1
NEW YORK UNIVERSITY	New York	116	18	98	0	4	14	27	35	19	1
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Massachusetts	113	27	86	0	1	2	11	17	47	23
COLORADO STATE UNIVERSITY	Colorado	112	15	97	0	4	16	35	29	15	2
All Other Institutions		6,326	1,195	5,131	1	5	19	29	24	20	3
Total		57,867	16,476	41,391	1	6	23	32	24	12	2

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	State	National
All Students	4,762	770,529	22.7	21.4	7.7	7.3	22.2	20.9
African Am./Black	48	86,049	17.8	16.6	7.0	6.5	18.0	16.6
Am. Indian/Alaska Native	31	5,148	17.0	18.9	7.4	6.7	17.8	18.5
Caucasian Am./White	3,534	464,177	23.0	22.5	7.7	7.4	22.4	21.8
Hispanic	254	71,060	19.0	18.3	7.6	7.1	19.4	18.5
Asian Am./Pacific Islander	233	37,359	22.6	23.1	8.0	7.9	22.4	22.6
Other/No Response	662	106,736	23.3	22.2	7.7	7.5	22.7	21.7
Males	2,099	327,613	22.4	20.9	7.5	7.0	21.8	20.2
Females	2,518	421,968	22.9	21.7	7.8	7.6	22.5	21.3
Missing	145	20,948	23.7	23.9	7.8	7.9	23.1	23.2

