

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

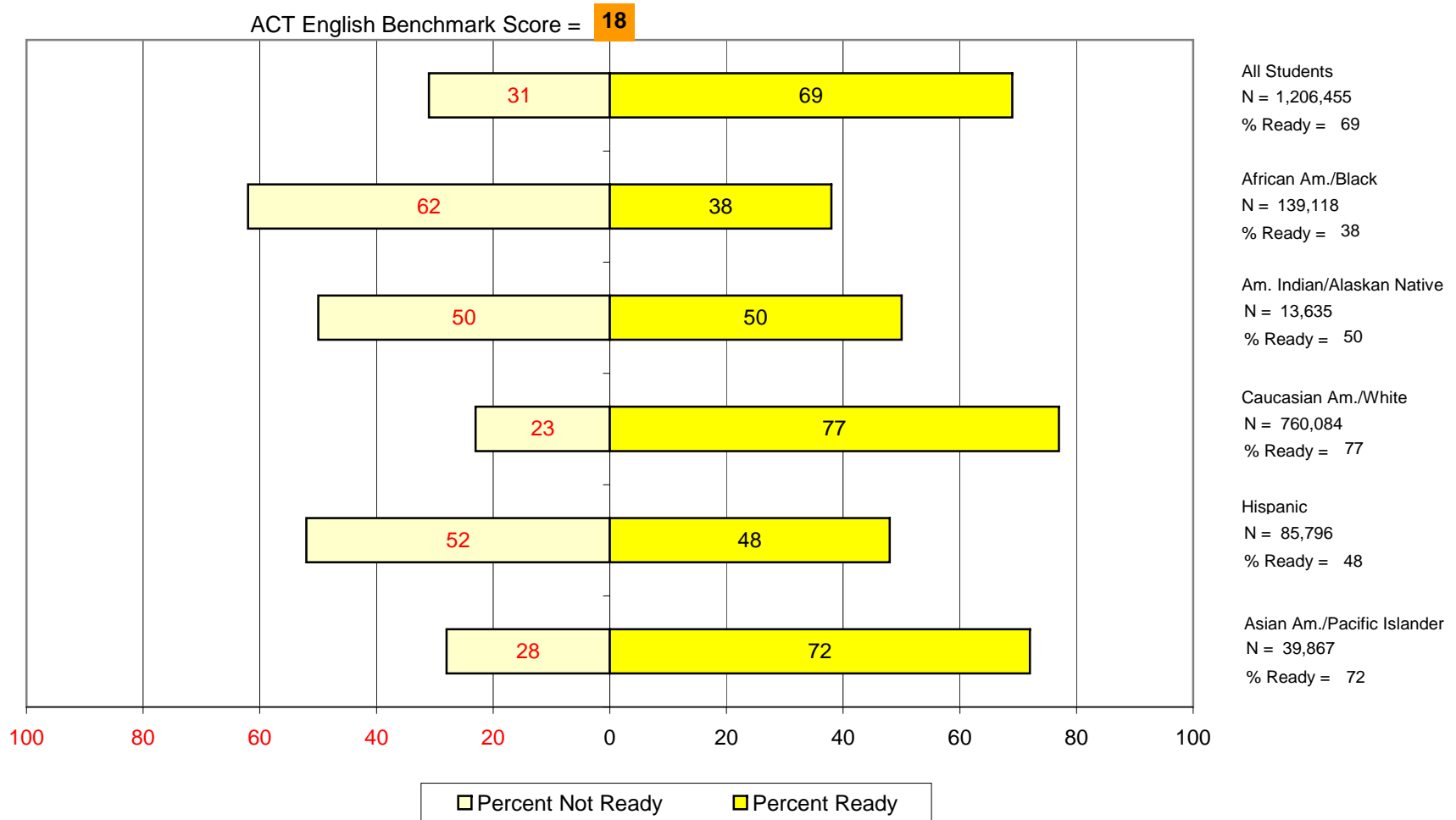


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

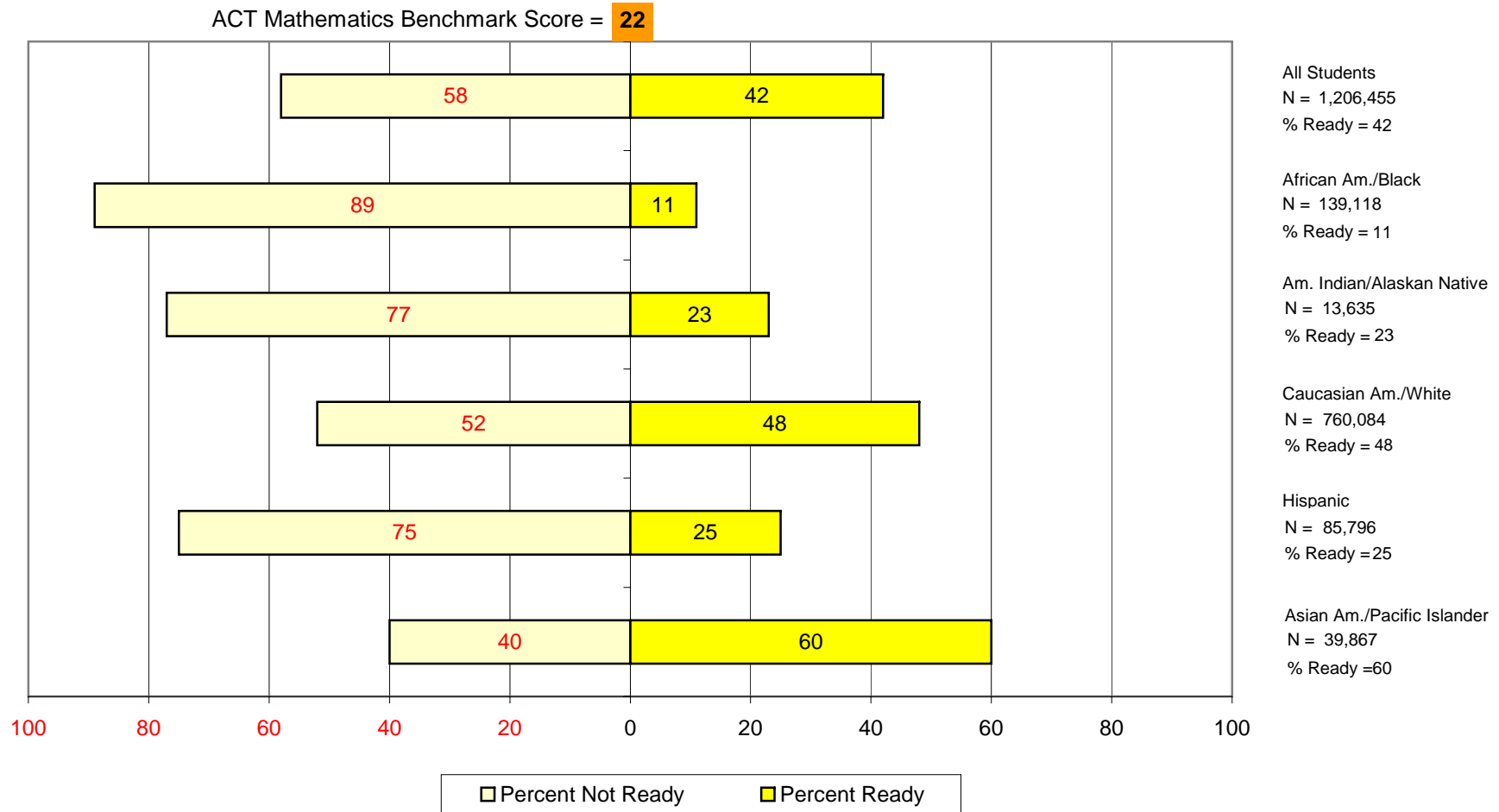


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

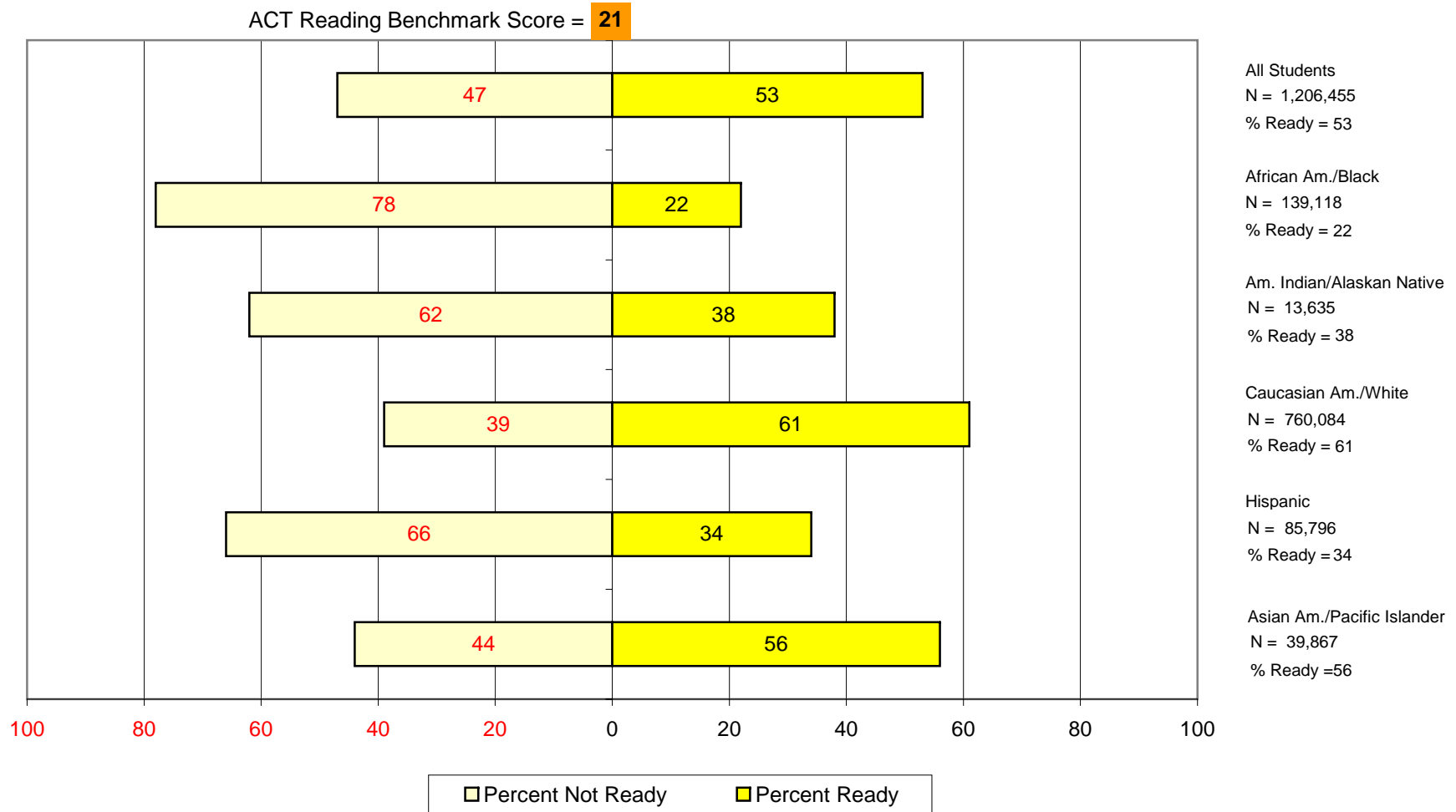


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

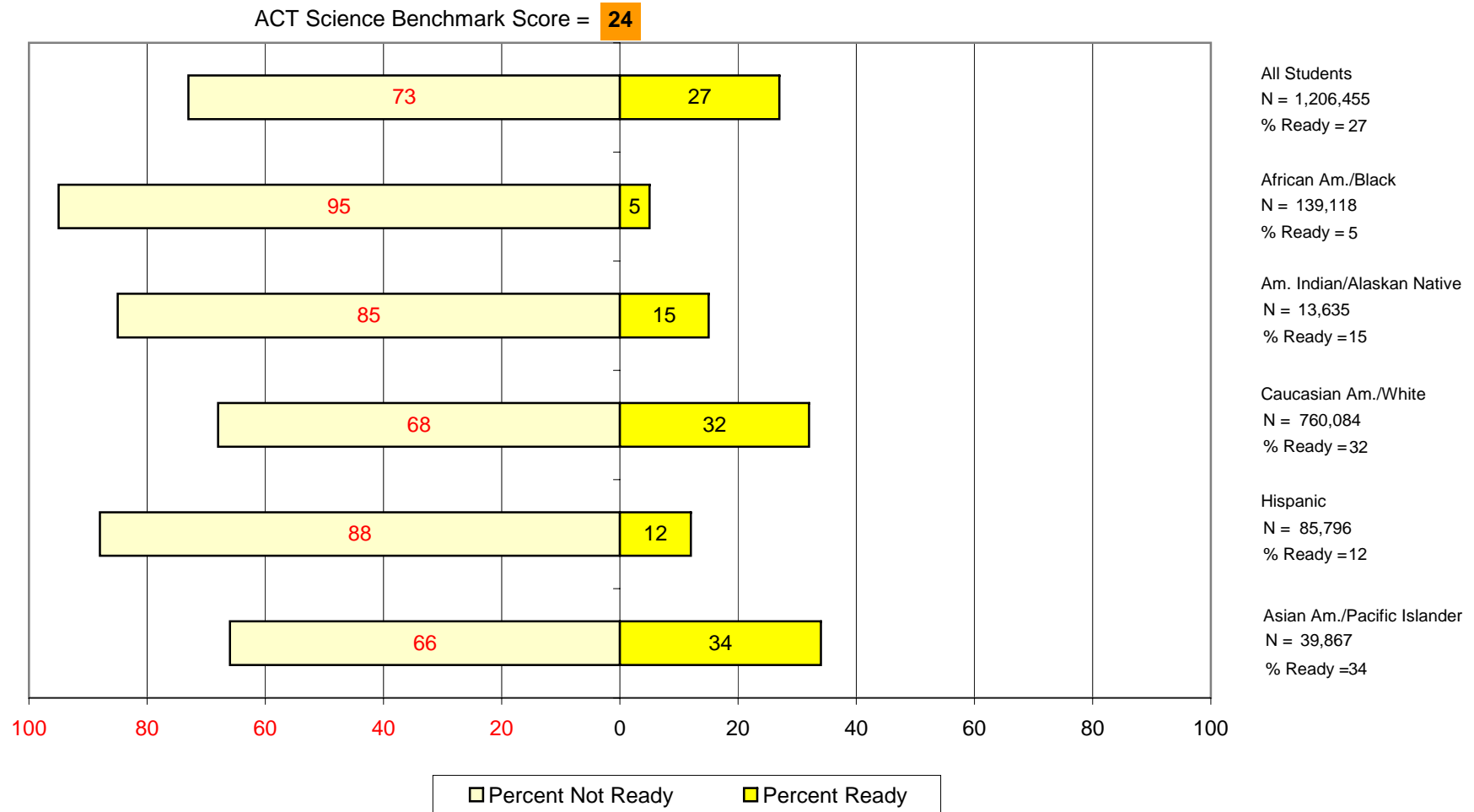


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

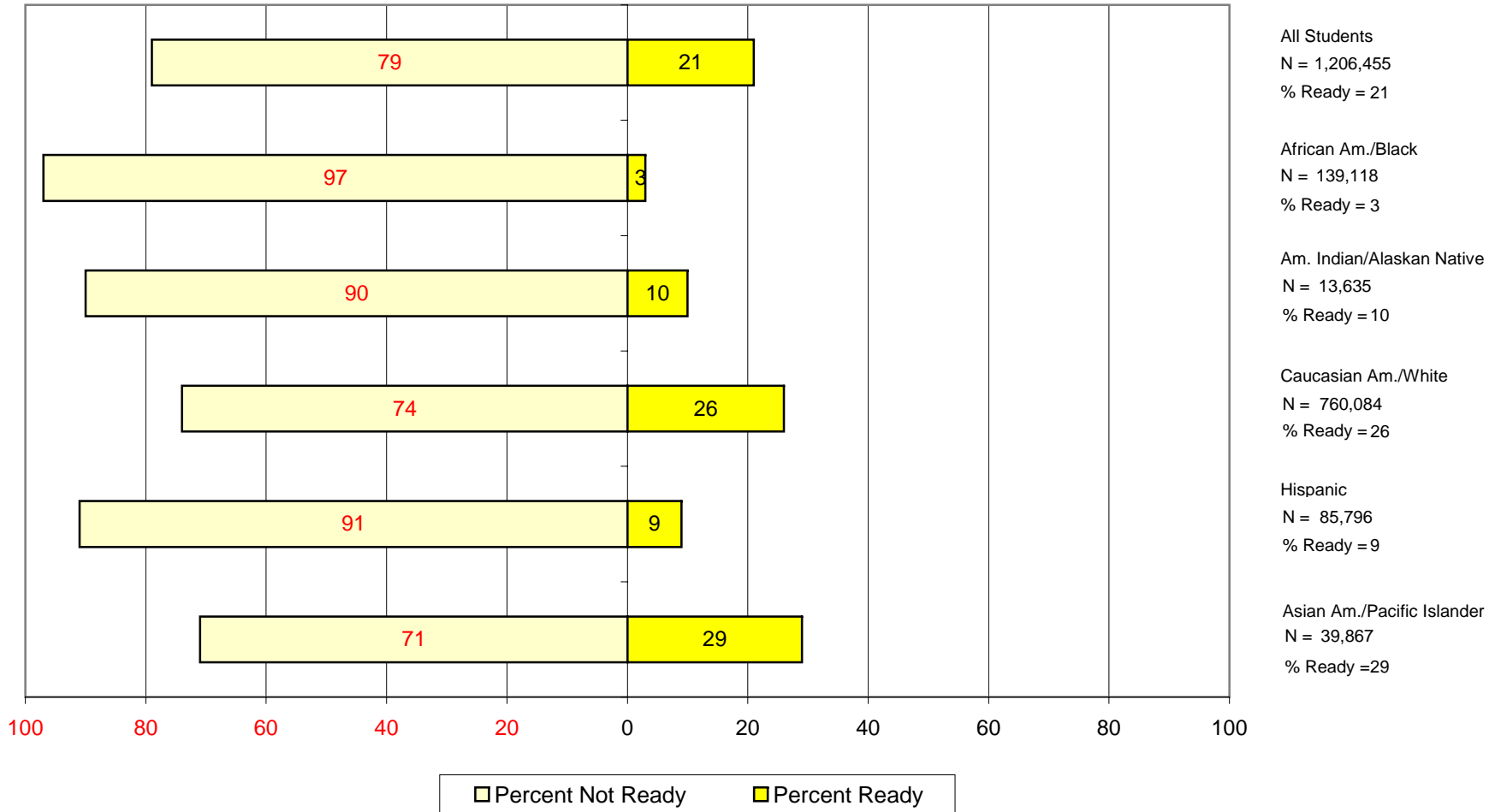


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	272,554	23	21.8	2.4	110,167	21	21.3	2.4	157,709	24	22.1	2.3
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	668,226	55	20.4	1.0	282,242	55	20.0	1.1	367,042	57	20.7	0.9
Less than 4 years of English	115,551	10	19.4	-	54,942	11	18.9	-	55,966	9	19.8	-
No English course/grade information reported	150,124	12	20.3	-	70,212	14	19.7	-	65,971	10	20.8	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	67,960	6	24.7	6.8	30,314	6	25.4	7.2	35,801	6	24.0	6.4
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	90,348	7	22.2	4.3	32,597	6	22.9	4.7	55,581	9	21.7	4.1
Alg 1, Alg 2, Geom, & Trig	95,613	8	20.4	2.5	38,921	8	21.0	2.8	54,055	8	19.9	2.3
Alg 1, Alg 2, Geom, & Other Adv Math	153,394	13	20.3	2.4	55,673	11	21.0	2.8	93,566	14	19.9	2.3
Other comb of 4 or more years of Math	244,137	20	24.0	6.1	115,238	22	24.9	6.7	123,881	19	23.3	5.7
Alg 1, Alg 2, & Geom (Min. Core)	209,836	17	17.8	-0.1	86,017	17	18.3	0.1	118,309	18	17.5	-0.1
Other comb of 3 or 3.5 years of Math	54,965	5	20.6	2.7	25,442	5	21.1	2.9	28,040	4	20.1	2.5
Less than 3 years of Math	131,567	11	17.9	-	59,034	11	18.2	-	67,598	10	17.6	-
No Math course/grade information reported	158,635	13	20.8	-	74,327	14	21.2	-	69,857	11	20.3	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	31,335	3	22.7	2.2	14,914	3	22.2	2.1	15,643	2	23.0	2.2
Other comb of 4 or more years Social Science	443,622	37	21.9	1.4	177,401	34	21.7	1.6	255,023	39	22.1	1.3
US Hist, World Hist, & Am Gov (Min. Core)	67,943	6	20.8	0.3	32,343	6	20.5	0.4	33,921	5	21.0	0.2
Other comb of 3 or 3.5 years of Social Science	325,879	27	21.3	0.8	136,274	26	21.1	1.0	181,721	28	21.5	0.7
Less than 3 years of Social Science	179,270	15	20.5	-	82,154	16	20.1	-	90,873	14	20.8	-
No Soc Sci course/grade information reported	158,406	13	21.2	-	74,477	14	20.8	-	69,507	11	21.5	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	320,821	27	22.3	3.2	148,147	29	23.0	3.7	165,116	26	21.7	2.7
Bio, Chem, Phys	115,519	10	23.2	4.1	51,558	10	24.1	4.8	60,731	9	22.4	3.4
Gen Sci ² , Bio, Chem (Min. Core)	339,689	28	20.2	1.1	124,150	24	20.5	1.2	207,176	32	20.0	1.0
Other comb of 3 years of Natural Science	32,330	3	20.5	1.4	17,196	3	21.2	1.9	14,321	2	19.7	0.7
Less than 3 years of Natural Science	234,307	19	19.1	-	99,865	19	19.3	-	127,182	20	19.0	-
No Nat Sci course/grade information reported	163,789	14	20.7	-	76,647	15	21.0	-	72,162	11	20.3	-

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	National			
	N	Percent Taking Pattern	Avg ACT English	Percent Meeting Benchmark
ENGLISH COURSE PATTERN				
Eng 9, Eng 10, Eng 11, Eng 12, & Other English	272,554	23	21.8	77
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	668,226	55	20.4	67
Less than 4 years of English	115,551	10	19.4	62
No English course/grade information reported	150,124	12	20.3	67
MATHEMATICS COURSE PATTERN				
Alg 1, Alg 2, Geom, Trig, & Calc	67,960	6	24.7	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	90,348	7	22.2	56
Alg 1, Alg 2, Geom, & Trig	95,613	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	153,394	13	20.3	37
Other comb of 4 or more years of Math	244,137	20	24.0	68
Alg 1, Alg 2, & Geom (Min. Core)	209,836	17	17.8	14
Other comb of 3 or 3.5 years of Math	54,965	5	20.6	40
Less than 3 years of Math	131,567	11	17.9	18
No Math course/grade information reported	158,635	13	20.8	42
SOCIAL SCIENCE COURSE PATTERN				
US Hist, World Hist, Am Gov, & Other Hist	31,335	3	22.7	60
Other comb of 4 or more years Social Science	443,622	37	21.9	57
US Hist, World Hist, & Am Gov (Min. Core)	67,943	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	325,879	27	21.3	52
Less than 3 years of Social Science	179,270	15	20.5	46
No Soc Sci course/grade information reported	158,406	13	21.2	52
NATURAL SCIENCE COURSE PATTERN				
Gen Sci ¹ , Bio, Chem, & Phys	320,821	27	22.3	38
Bio, Chem, Phys	115,519	10	23.2	45
Gen Sci ¹ , Bio, Chem (Min. Core)	339,689	28	20.2	19
Other comb of 3 years of Natural Science	32,330	3	20.5	24
Less than 3 years of Natural Science	234,307	19	19.1	14
No Nat Sci course/grade information reported	163,789	14	20.7	26

¹Includes General, Physical and Earth Sciences.