

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

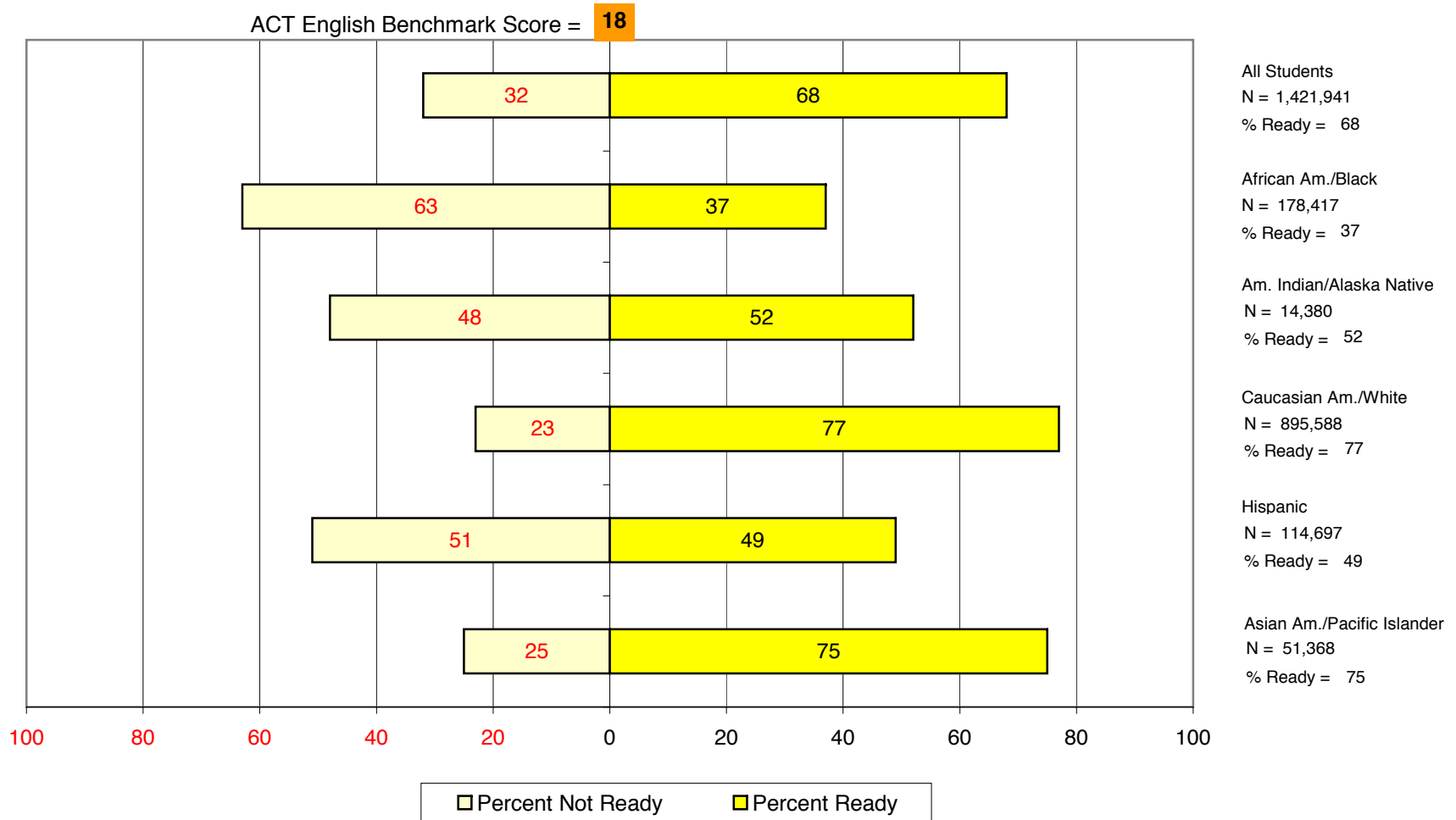


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

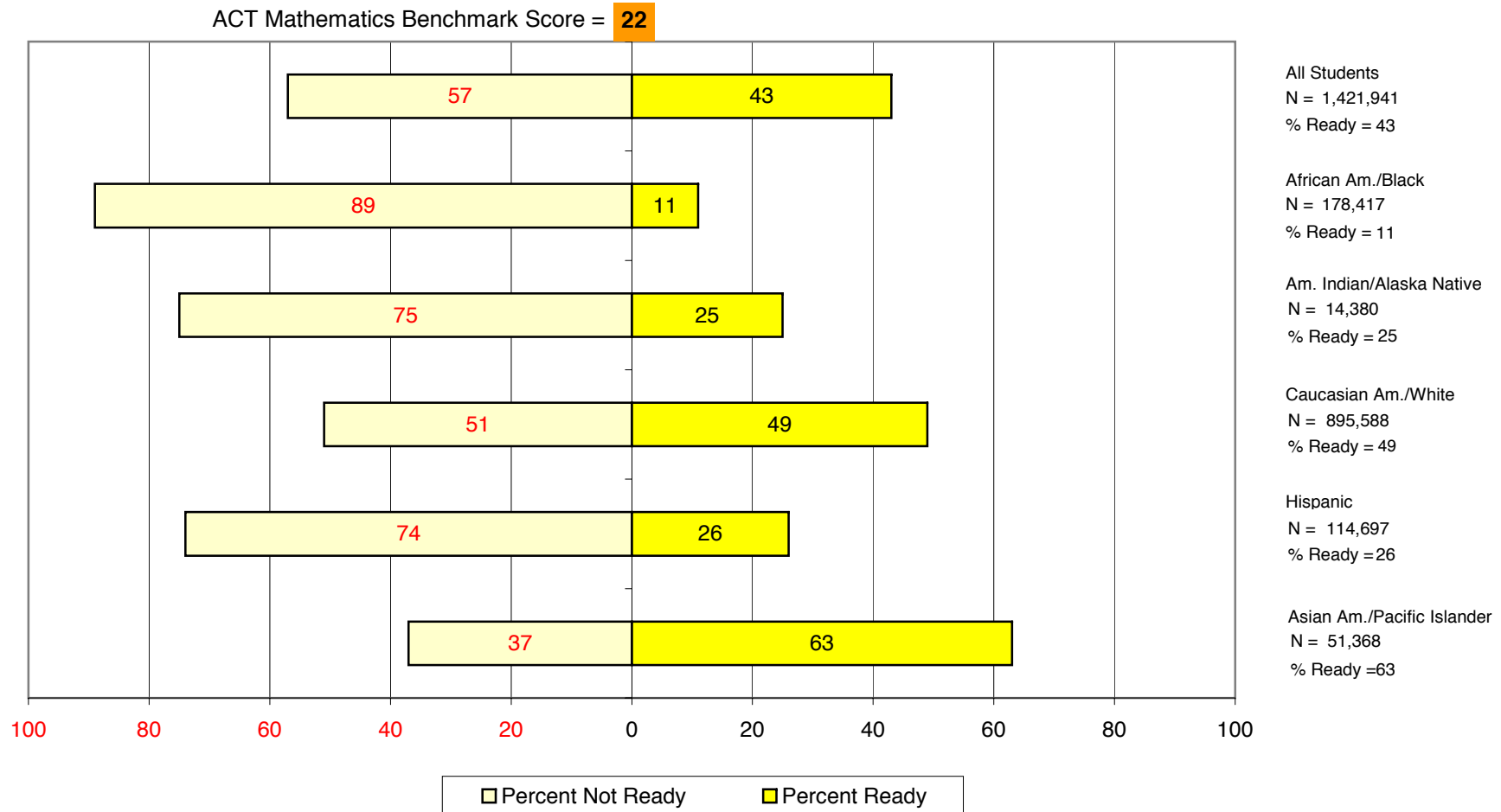


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: **READING**

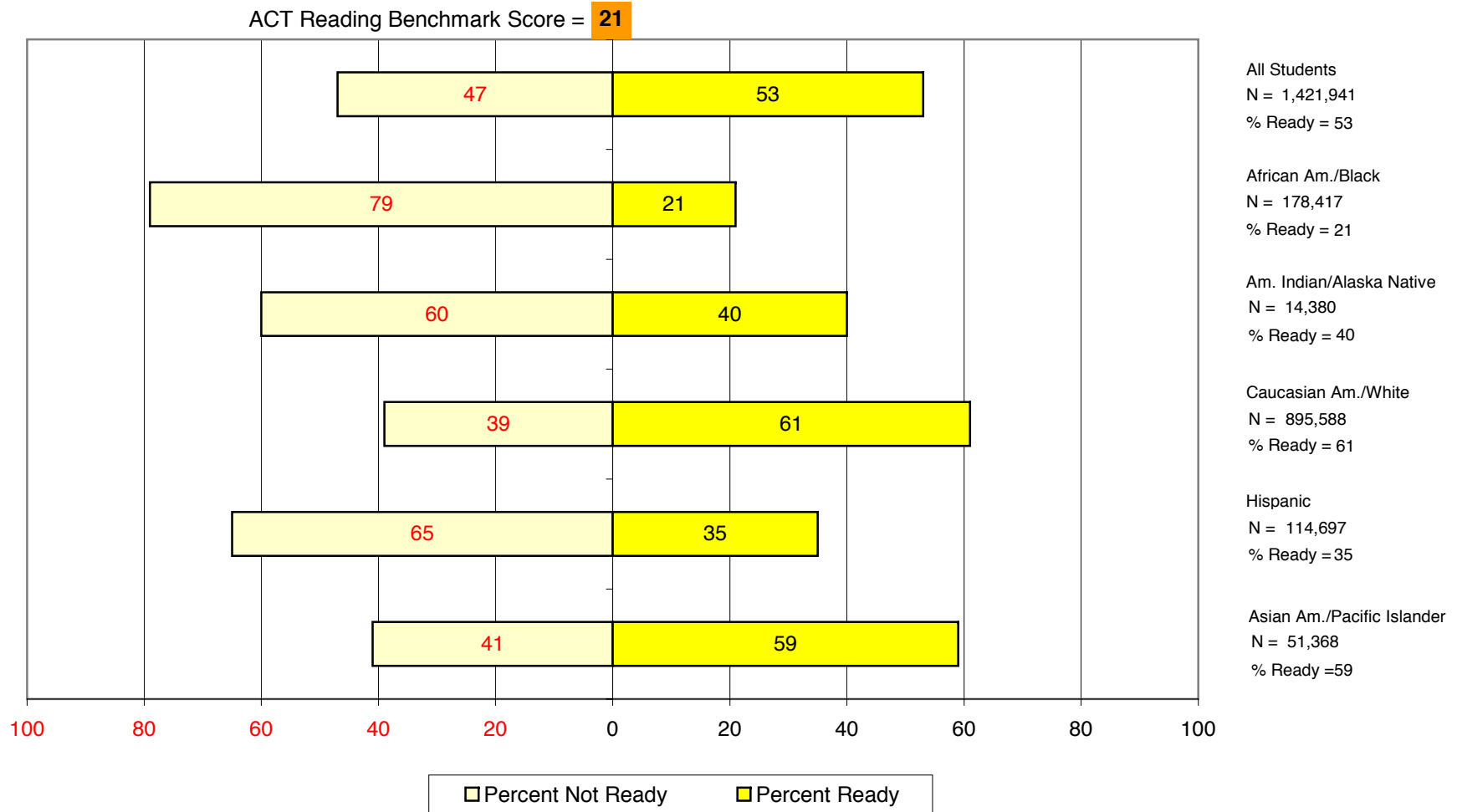


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

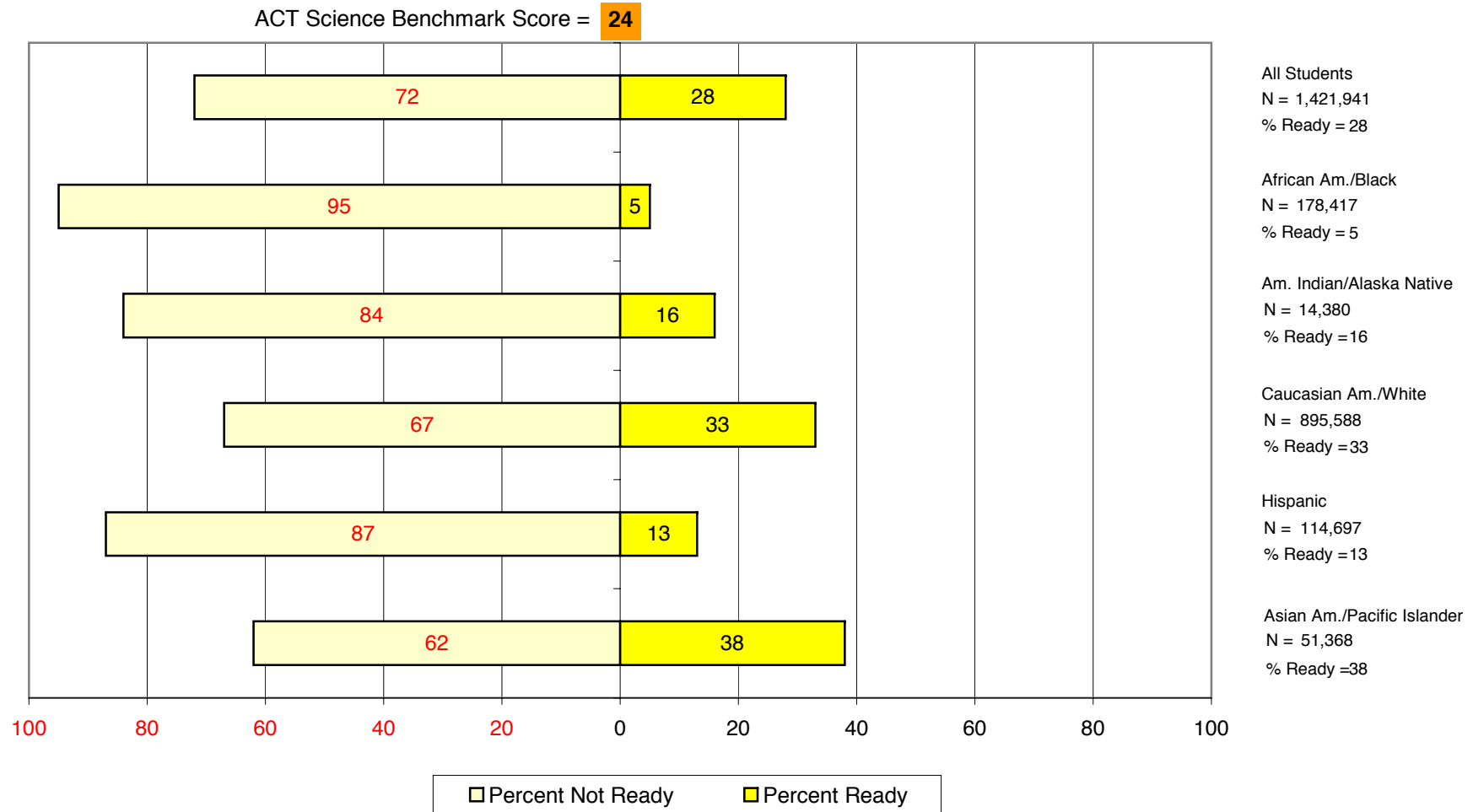


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

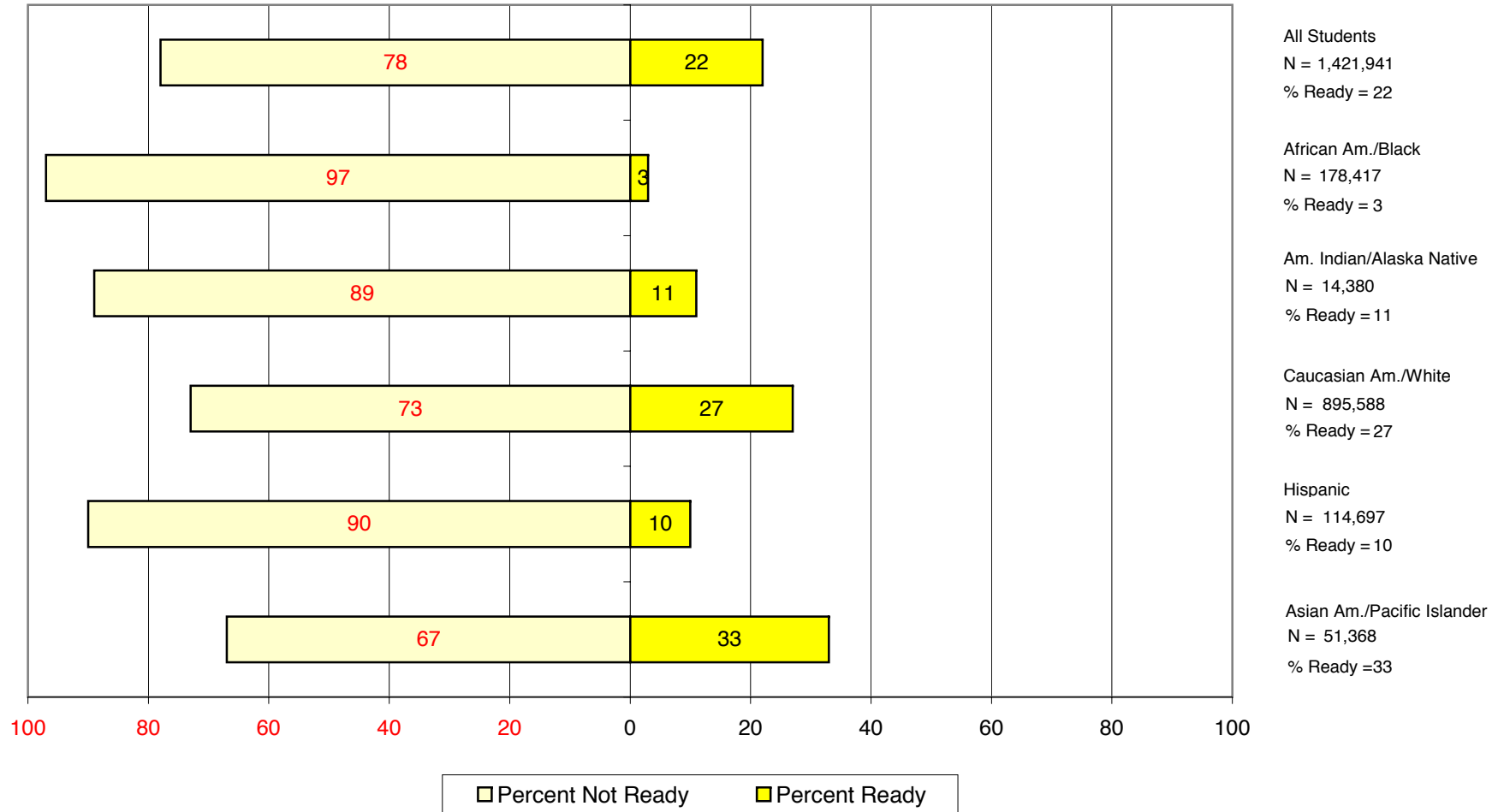


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	266,394	19	21.8	3.0	105,493	17	21.2	2.9	157,480	21	22.2	3.0
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	949,721	67	20.5	1.7	421,840	67	20.2	1.9	514,647	67	20.8	1.6
Less than 4 years of English	112,496	8	18.8	-	55,297	9	18.3	-	53,115	7	19.2	-
No English course/grade information reported	93,330	7	20.2	-	43,257	7	19.3	-	39,040	5	20.3	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	91,985	6	24.8	7.4	41,125	7	25.6	8.0	48,922	6	24.1	7.0
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	113,879	8	22.3	4.9	42,810	7	23.0	5.4	69,373	9	21.8	4.7
Alg 1, Alg 2, Geom, & Trig	116,105	8	20.4	3.0	48,508	8	21.0	3.4	65,660	9	19.8	2.7
Alg 1, Alg 2, Geom, & Other Adv Math	204,909	14	20.4	3.0	77,443	12	20.9	3.3	124,848	16	20.0	2.9
Other comb of 4 or more years of Math	342,493	24	23.9	6.5	166,750	27	24.6	7.0	170,218	22	23.2	6.1
Alg 1, Alg 2, & Geom (Min. Core)	251,813	18	17.8	0.4	107,028	17	18.2	0.6	141,743	19	17.4	0.3
Other comb of 3 or 3.5 years of Math	70,951	5	20.8	3.4	33,674	5	21.2	3.6	36,140	5	20.4	3.3
Less than 3 years of Math	131,252	9	17.4	-	62,878	10	17.6	-	65,899	9	17.1	-
No Math course/grade information reported	98,554	7	21.1	-	45,671	7	21.1	-	41,479	5	20.2	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	42,546	3	22.7	2.3	20,891	3	22.4	2.3	21,001	3	23.0	2.5
Other comb of 4 or more years Social Science	604,055	42	21.9	1.5	254,910	41	21.8	1.7	340,952	45	21.9	1.4
US Hist, World Hist, & Am Gov (Min. Core)	86,500	6	20.8	0.4	41,450	7	20.7	0.6	43,890	6	20.9	0.4
Other comb of 3 or 3.5 years of Social Science	404,731	28	21.3	0.9	175,077	28	21.2	1.1	224,203	29	21.3	0.8
Less than 3 years of Social Science	185,561	13	20.4	-	87,752	14	20.1	-	92,960	12	20.5	-
No Soc Sci course/grade information reported	98,548	7	21.1	-	45,807	7	20.6	-	41,276	5	21.0	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	453,654	32	22.2	3.5	215,925	34	22.8	4.1	230,095	30	21.5	2.9
Bio, Chem, Phys	134,033	9	23.2	4.5	60,760	10	24.0	5.3	70,582	9	22.4	3.8
Gen Sci ² , Bio, Chem (Min. Core)	435,183	31	20.1	1.4	165,200	26	20.3	1.6	264,473	35	20.0	1.4
Other comb of 3 years of Natural Science	40,179	3	20.1	1.4	22,014	4	20.7	2.0	17,668	2	19.3	0.7
Less than 3 years of Natural Science	259,142	18	18.7	-	115,674	18	18.7	-	139,649	18	18.6	-
No Nat Sci course/grade information reported	99,750	7	20.6	-	46,314	7	20.5	-	41,815	5	20.0	-

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	266,394	19	21.8	76
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	949,721	67	20.5	68
Less than 4 years of English	112,496	8	18.8	56
No English course/grade information reported	93,330	7	20.2	64
MATHEMATICS COURSE PATTERN				
Alg 1, Alg 2, Geom, Trig, & Calc	91,985	6	24.8	74
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	113,879	8	22.3	57
Alg 1, Alg 2, Geom, & Trig	116,105	8	20.4	38
Alg 1, Alg 2, Geom, & Other Adv Math	204,909	14	20.4	38
Other comb of 4 or more years of Math	342,493	24	23.9	66
Alg 1, Alg 2, & Geom (Min. Core)	251,813	18	17.8	14
Other comb of 3 or 3.5 years of Math	70,951	5	20.8	41
Less than 3 years of Math	131,252	9	17.4	14
No Math course/grade information reported	98,554	7	21.1	44
SOCIAL SCIENCE COURSE PATTERN				
US Hist, World Hist, Am Gov, & Other Hist	42,546	3	22.7	61
Other comb of 4 or more years Social Science	604,055	42	21.9	56
US Hist, World Hist, & Am Gov (Min. Core)	86,500	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	404,731	28	21.3	52
Less than 3 years of Social Science	185,561	13	20.4	45
No Soc Sci course/grade information reported	98,548	7	21.1	50
NATURAL SCIENCE COURSE PATTERN				
Gen Sci ¹ , Bio, Chem, & Phys	453,654	32	22.2	38
Bio, Chem, Phys	134,033	9	23.2	47
Gen Sci ¹ , Bio, Chem (Min. Core)	435,183	31	20.1	20
Other comb of 3 years of Natural Science	40,179	3	20.1	22
Less than 3 years of Natural Science	259,142	18	18.7	13
No Nat Sci course/grade information reported	99,750	7	20.6	29

¹Includes General, Physical and Earth Sciences.