

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

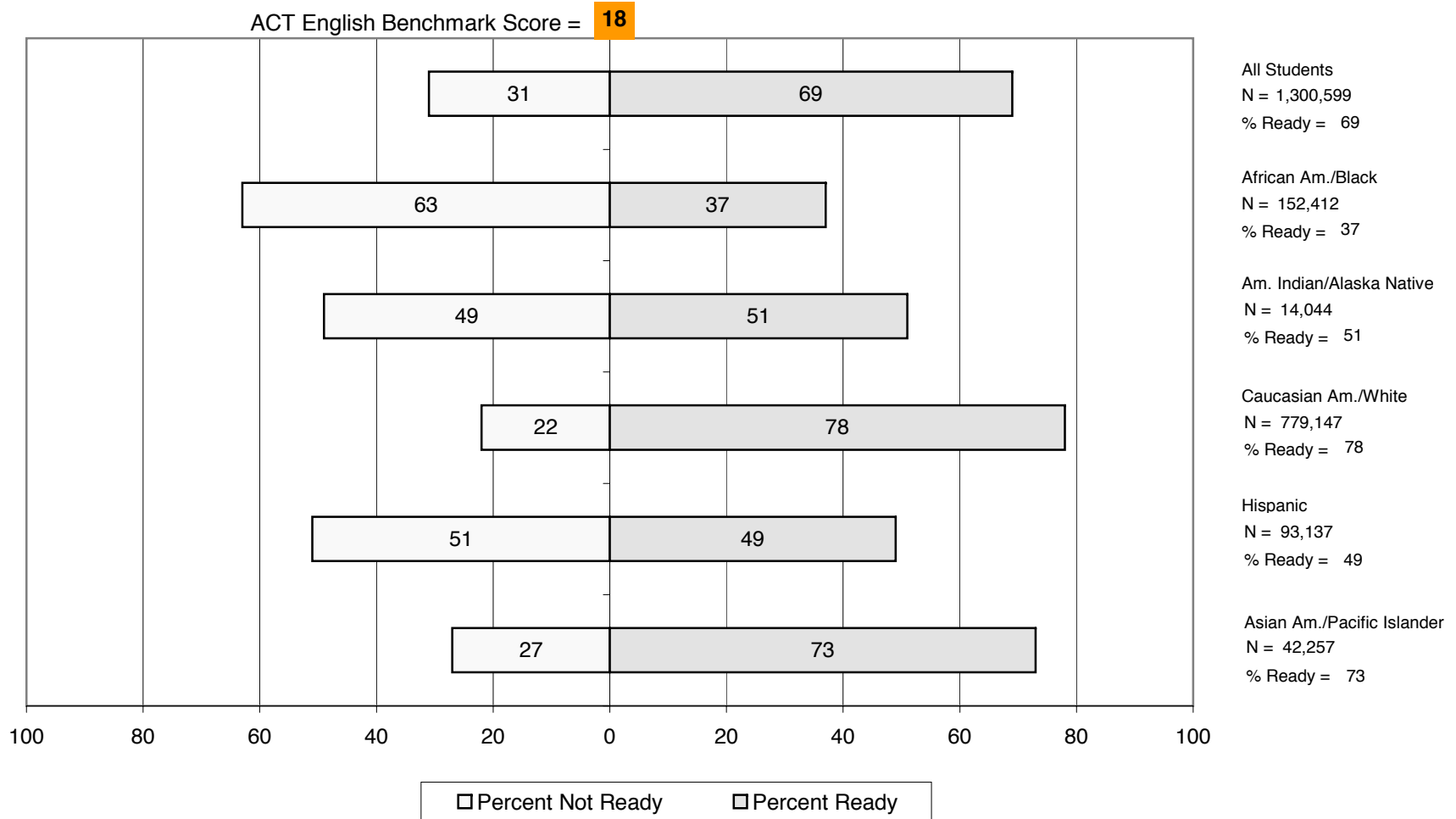


Figure 3.2. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: MATHEMATICS

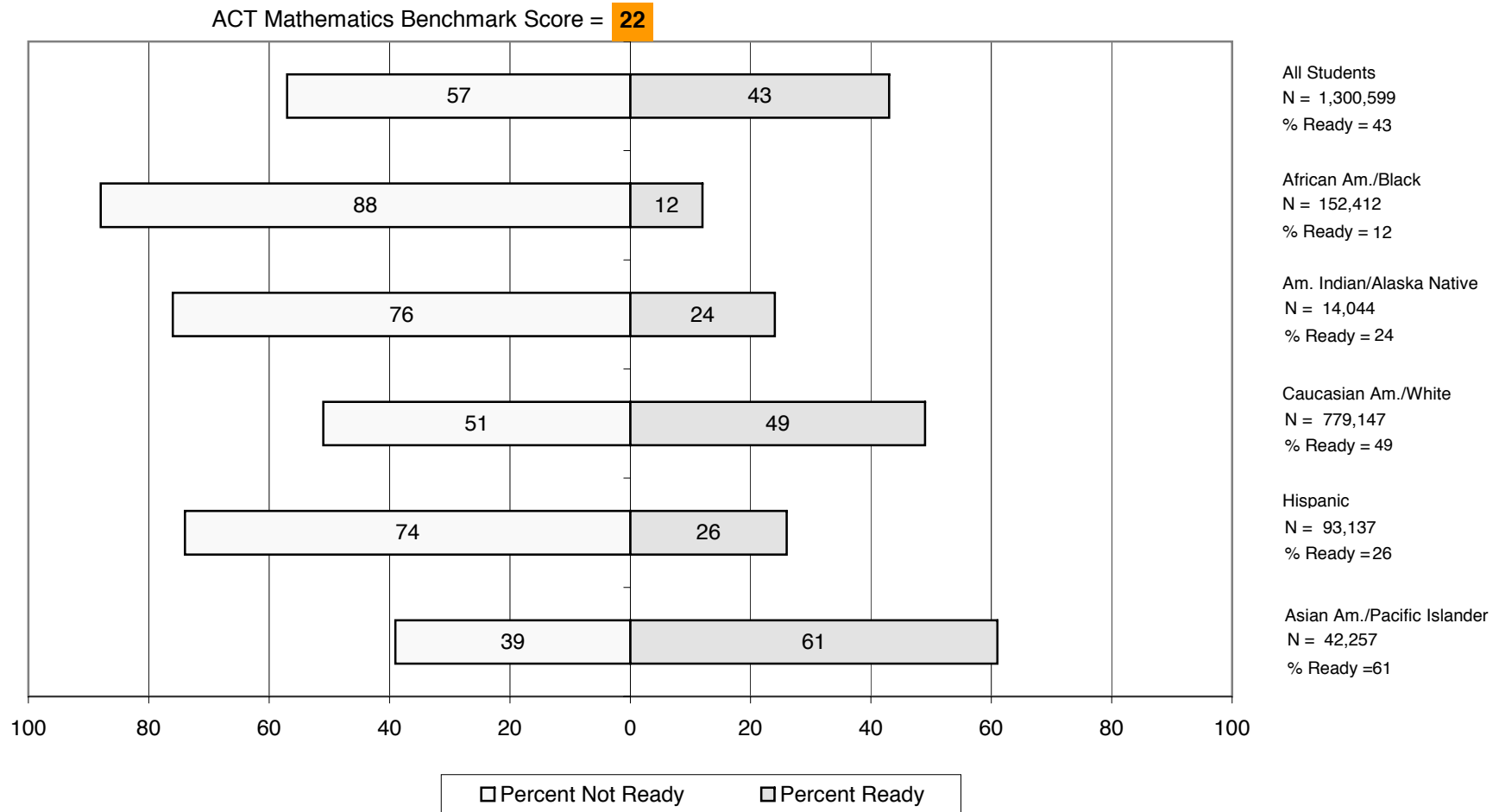


Figure 3.3. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: READING

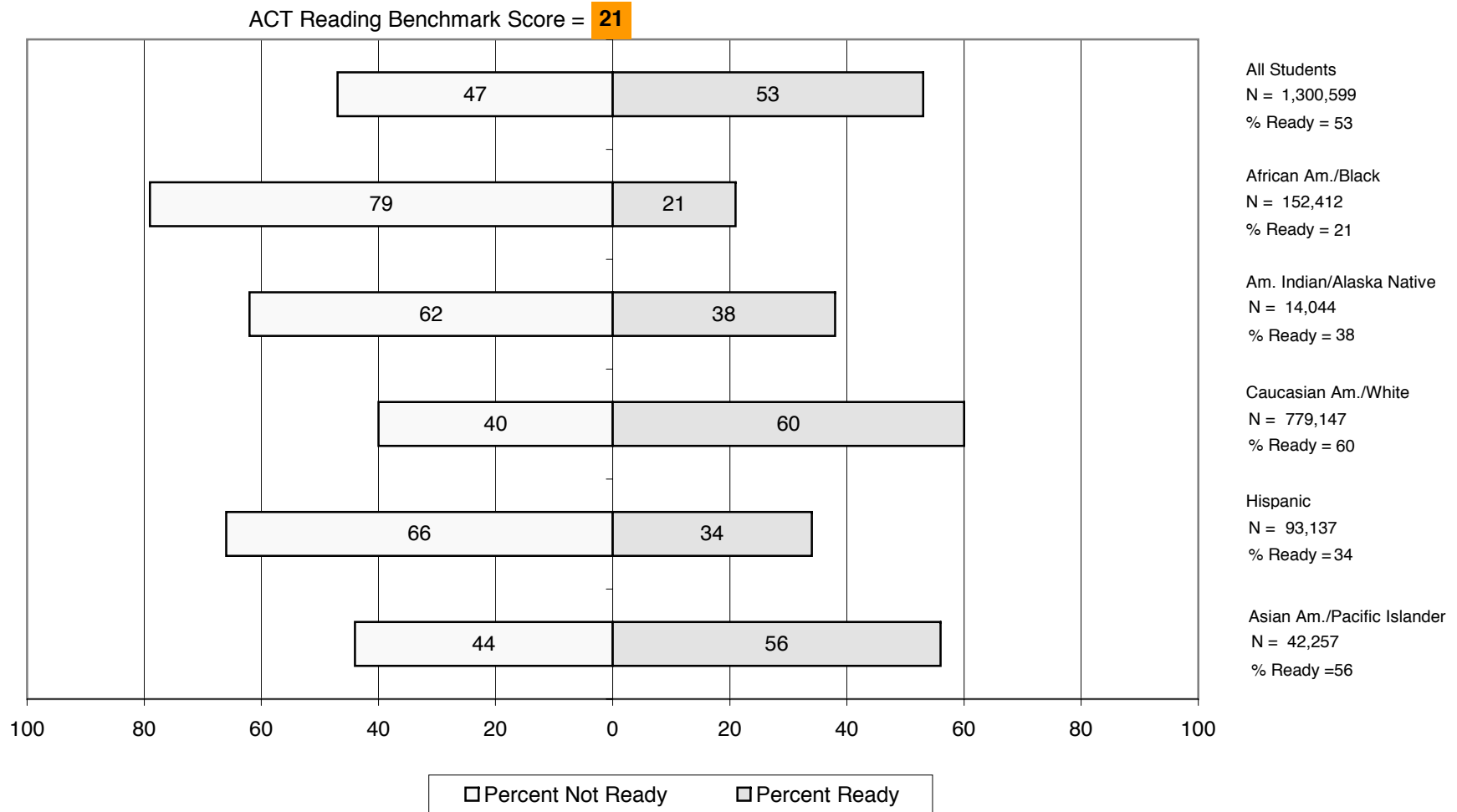


Figure 3.4. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: SCIENCE

ACT Science Benchmark Score = 24

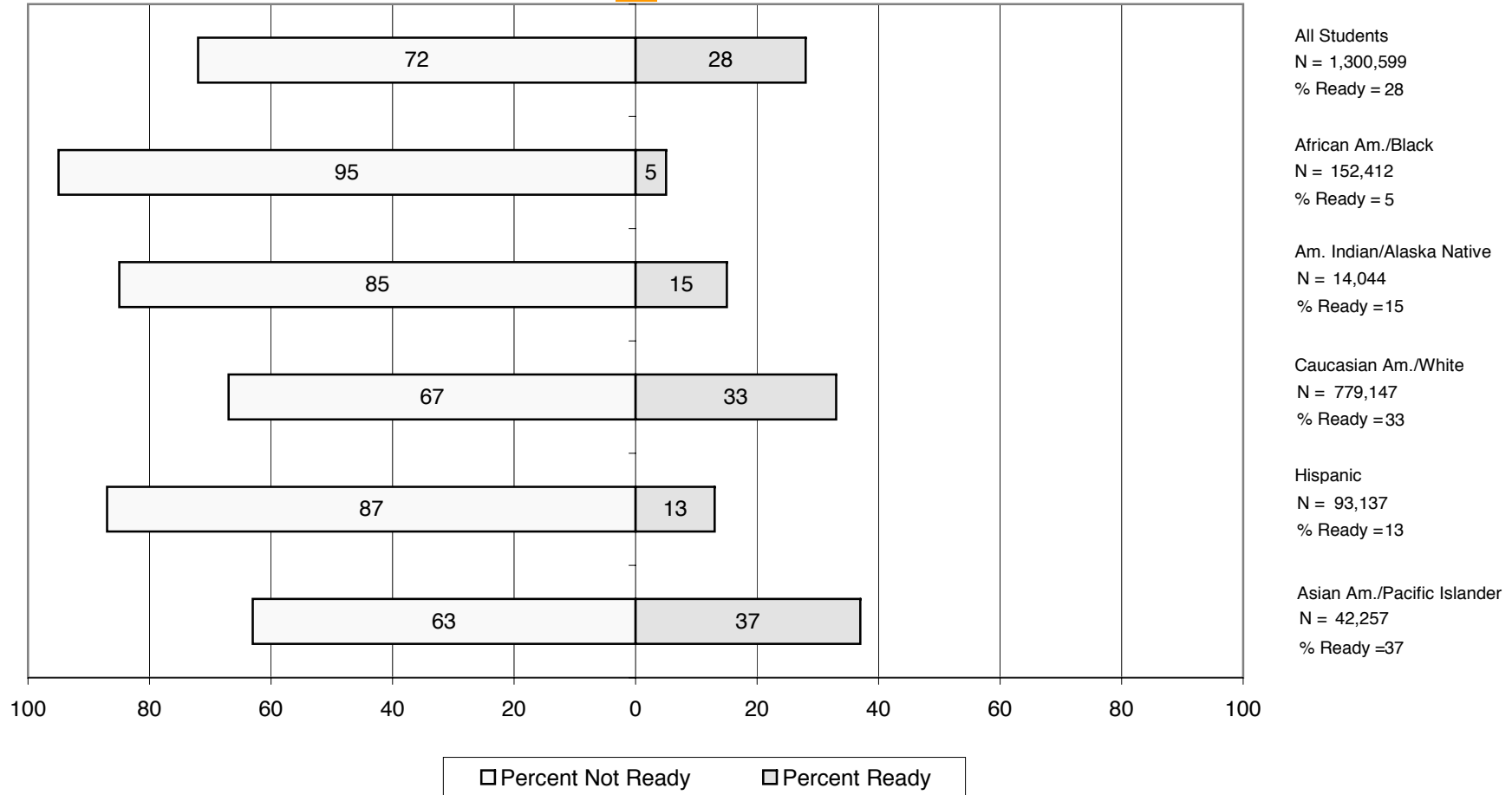


Figure 3.5. Percent of Students Meeting ACT College Readiness Benchmark Scores by Race/Ethnicity: ALL FOUR

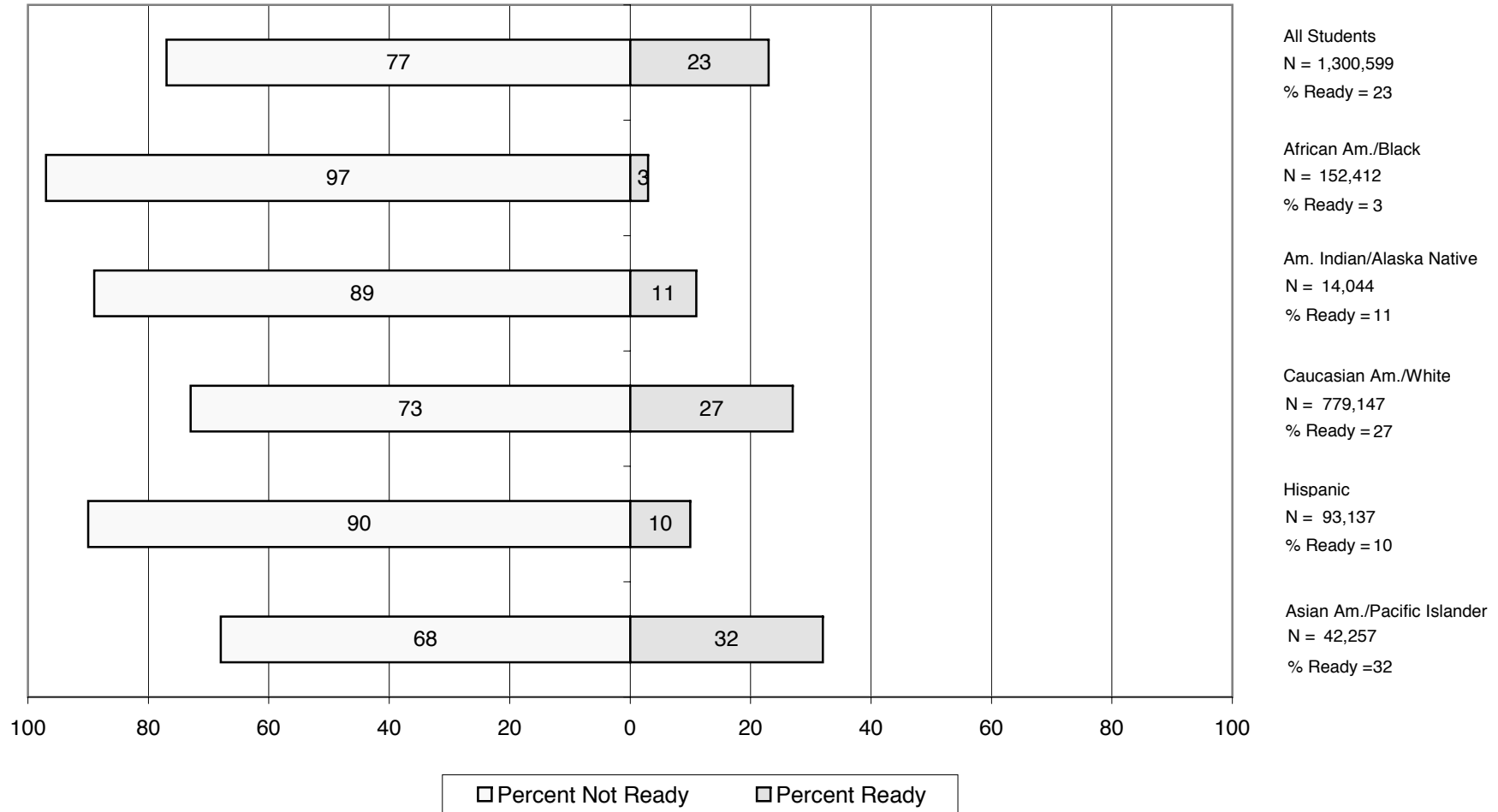


Table 3.1. Average ACT Scores and ACT Average Score Changes by Common Course Patterns

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	191,202	15	22.2	2.5	70,397	13	21.8	2.5	113,805	17	22.5	2.4
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	766,001	59	20.5	0.8	325,492	60	20.1	0.8	408,990	61	20.7	0.6
Less than 4 years of English	141,777	11	19.7	-	64,173	12	19.3	-	68,589	10	20.1	-
No English course/grade information reported	201,619	16	20.7	-	84,460	16	19.9	-	83,252	12	21.0	-
MATHEMATICS COURSE PATTERN												
Alg 1, Alg 2, Geom, Trig, & Calc	75,970	6	24.8	6.5	33,305	6	25.6	7.1	38,910	6	24.1	6.2
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	87,647	7	22.4	4.1	31,684	6	23.1	4.6	52,260	8	21.8	3.9
Alg 1, Alg 2, Geom, & Trig	100,139	8	20.5	2.2	40,407	7	21.1	2.6	55,093	8	19.9	2.0
Alg 1, Alg 2, Geom, & Other Adv Math	163,562	13	20.4	2.1	58,834	11	21.0	2.5	97,821	14	20.0	2.1
Other comb of 4 or more years of Math	239,187	18	24.3	6.0	110,985	20	25.1	6.6	118,848	18	23.5	5.6
Alg 1, Alg 2, & Geom (Min. Core)	218,745	17	17.9	-0.4	89,445	16	18.3	-0.2	121,245	18	17.5	-0.4
Other comb of 3 or 3.5 years of Math	57,945	4	20.9	2.6	26,643	5	21.4	2.9	28,890	4	20.4	2.5
Less than 3 years of Math	145,617	11	18.3	-	64,353	12	18.5	-	73,679	11	17.9	-
No Math course/grade information reported	211,787	16	21.1	-	88,866	16	21.3	-	87,890	13	20.4	-
SOCIAL SCIENCE COURSE PATTERN												
US Hist, World Hist, Am Gov, & Other Hist	31,985	2	22.7	2.1	14,952	3	22.3	2.0	15,629	2	23.0	2.3
Other comb of 4 or more years Social Science	448,356	34	22.0	1.4	177,229	33	21.8	1.5	253,241	38	22.1	1.4
US Hist, World Hist, & Am Gov (Min. Core)	72,952	6	20.8	0.2	34,135	6	20.6	0.3	35,965	5	20.9	0.2
Other comb of 3 or 3.5 years of Social Science	333,689	26	21.4	0.8	138,280	25	21.2	0.9	182,259	27	21.4	0.7
Less than 3 years of Social Science	201,605	16	20.6	-	90,689	17	20.3	-	99,952	15	20.7	-
No Soc Sci course/grade information reported	212,012	16	21.5	-	89,237	16	20.9	-	87,590	13	21.5	-
NATURAL SCIENCE COURSE PATTERN												
Gen Sci ² , Bio, Chem, & Phys	333,648	26	22.4	3.3	151,760	28	23.1	3.8	168,114	25	21.8	2.9
Bio, Chem, Phys	115,297	9	23.4	4.3	50,694	9	24.3	5.0	58,815	9	22.7	3.8
Gen Sci ² , Bio, Chem (Min. Core)	353,348	27	20.2	1.1	128,675	24	20.4	1.1	211,126	31	20.0	1.1
Other comb of 3 years of Natural Science	32,593	3	20.4	1.3	17,131	3	21.1	1.8	14,125	2	19.6	0.7
Less than 3 years of Natural Science	247,312	19	19.1	-	104,522	19	19.3	-	131,777	20	18.9	-
No Nat Sci course/grade information reported	218,401	17	20.9	-	91,740	17	21.1	-	90,679	13	20.4	-

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	191,202	15	22.2	79
Eng 9, Eng 10, Eng 11, Eng 12 (Min. Core)	766,001	59	20.5	68
Less than 4 years of English	141,777	11	19.7	64
No English course/grade information reported	201,619	16	20.7	69
MATHEMATICS COURSE PATTERN				
	N	Percent Taking Pattern	Avg ACT Math	Percent Meeting Benchmark
Alg 1, Alg 2, Geom, Trig, & Calc	75,970	6	24.8	75
Alg 1, Alg 2, Geom, Trig, & Other Adv Math	87,647	7	22.4	58
Alg 1, Alg 2, Geom, & Trig	100,139	8	20.5	40
Alg 1, Alg 2, Geom, & Other Adv Math	163,562	13	20.4	38
Other comb of 4 or more years of Math	239,187	18	24.3	69
Alg 1, Alg 2, & Geom (Min. Core)	218,745	17	17.9	15
Other comb of 3 or 3.5 years of Math	57,945	4	20.9	43
Less than 3 years of Math	145,617	11	18.3	21
No Math course/grade information reported	211,787	16	21.1	44
SOCIAL SCIENCE COURSE PATTERN				
	N	Percent Taking Pattern	Avg ACT Reading	Percent Meeting Benchmark
US Hist, World Hist, Am Gov, & Other Hist	31,985	2	22.7	61
Other comb of 4 or more years Social Science	448,356	34	22.0	56
US Hist, World Hist, & Am Gov (Min. Core)	72,952	6	20.8	48
Other comb of 3 or 3.5 years of Social Science	333,689	26	21.4	52
Less than 3 years of Social Science	201,605	16	20.6	47
No Soc Sci course/grade information reported	212,012	16	21.5	53
NATURAL SCIENCE COURSE PATTERN				
	N	Percent Taking Pattern	Avg ACT Science	Percent Meeting Benchmark
Gen Sci ¹ , Bio, Chem, & Phys	333,648	26	22.4	40
Bio, Chem, Phys	115,297	9	23.4	48
Gen Sci ¹ , Bio, Chem (Min. Core)	353,348	27	20.2	20
Other comb of 3 years of Natural Science	32,593	3	20.4	24
Less than 3 years of Natural Science	247,312	19	19.1	15
No Nat Sci course/grade information reported	218,401	17	20.9	29

¹Includes General, Physical and Earth Sciences.