

Supplemental Table S1. Estimated annual study-wide coverage (median and range) for SCORE Gaining and Sustaining Control Studies, stratified by study. Overall coverage was calculated as the average of the medians across all years that villages received treatment.

SCORE Study	Type of MDA / Population Assessed	Year 1 Median % (Range)	Year 2 Median % (Range)	Year 3 Median % (Range)	Year 4 Median % (Range)	Overall % Coverage
Côte d'Ivoire Sustaining Control	SBT SAC	66 (6, 355)	84 (19, 205)	88 (18, 206)	95 (27, 208)	83
Kenya Sustaining Control	SBT SAC	95 (55, 100)	97 (75, 132)	95 (75, 100)	95 (82, 100)	95
Kenya Gaining Control	SBT SAC	85 (59, 103)	88 (75, 125)	93 (62, 114)	91 (74, 109)	90
	CWT SAC	72 (9, 694)	79 (15, 693)	88 (61, 101)	87 (71, 99)	83
	CWT total population	90 (25, 109)	92 (44, 107)	92 (73, 101)	91 (77, 99)	91
Mozambique Gaining Control	SBT SAC	41 (3, 132)	33 (4, 375)	32 (4, 95)	26 (3, 79)	33
	CWT SAC	51 (4, 252)	55 (13, 186)	45 (14, 197)	145 (44, 294)	52

	CWT total population	29 (5, 98)	43 (6, 130)	53 (18, 123)	120 (74, 283)	26
Tanzania	SBT SAC	81 (73, 100)	80 (68, 100)	77 (49, 95)	84 (50, 100)	81
Gaining Control	CWT SAC	77 (47, 99)	78 (55, 100)	76 (56, 83)	76 (60, 100)	77
	CWT total population	79 (60, 99)	79 (59, 100)	78 (63, 108)	76 (52, 94)	78

Supplemental Table S2. Estimated study-wide coverage (median and range) in the Niger study, by year and by year 3 randomization to once-a-year vs. twice-a-year MDA. Overall coverage estimates are calculated as the average of the medians across all treatment years.

Type of MDA/ Population Assessed	Year 1 Median % (Range)	Year 2 Median % (Range)	MDA Protocol for Years 3 and 4		Year 3 Median % (Range)	Year 4 Median % (Range)	Overall Coverage
SBT (SAC only)	90 (8, 352)	103 (0, 362)	Once-a-year		115 (15, 335)	87 (53, 102)	101
			Twice-a-year	(1 st)	119 (11, 394)	85 (45, 105)	102
	(2 nd)	94 (25, 416)		78 (32, 100)	86		
CWT SAC	108 (45, 330)	120 (37, 459)	Once-a-year		108 (56, 333)	111 (57, 167)	110
			Twice-a-year	(1 st)	130 (38, 345)	124 (56, 209)	127
	(2 nd)	133 (40, 296)		110 (48, 233)	121		
CWT total population	65 (14, 158)	74 (36, 159)	Once-a-year		90 (18, 229)	84 (61, 99)	87
			Twice-a-year	(1 st)	96	81	89

	(42, 241)	(53, 100)	
(2 nd)	90	83	86
	(18, 229)	(43, 100)	
