

Seasonal Malaria Chemoprevention in the Republic of Guinea

Coverage Summary Report 2016

Key messages:

The reach of the SMC programme in Guinea has been excellent, with 96% of children having received at least one cycle of SMC.

Only 43% of those issued with a card had a card available for inspection.

83% of eligible children received at least 3 cycles of SMC, and 73% received all 4 cycles.

Coverage was similar in all four cycles with no evidence that coverage decreased from cycle to cycle.

It is important to ensure that children too old for the SMC programme do not receive SMC, the dose is designed for children under 5 years of age, older children receiving this dose will not be fully protected. Some treatment outside the recommended age range is inevitable, but it is important this is kept to a minimum. In Guinea many older children are being treated, 79% of 6-7 year olds had received SMC.

Reported adherence to the three day course of SMC was excellent.

97% of children slept under an insecticide treated net the night before the survey.

Key indicators 2016:

Number surveyed who were eligible for all 4 SMC cycles	1743
Slept under a bednet last night	84%
Received an SMC card	94%
<i>Confirmed by card if available, otherwise from caregiver recall:</i>	
Received at least one cycle	96%
Received at least 3 cycles	83%
Received all 4 cycles	73%
Received no SMC	4%
For those that had SMC at the last cycle, adherence to all 3 doses	98%

Children 6-7yrs old who received SMC at least once	79%
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Table: Key indicators of SMC Coverage – Guinea 2016

Number children 3m–7 years included	2612					
Number eligible for all 4 SMC cycles [§]	1743					
	n/N	%	95% Confidence Interval			
Slept under a bednet last night	1437/1743	83.5	(75.7, 89.1)			
Received SMC card	1634/1743	93.9	(89.1, 96.7)			
Retained card if card received	715/1634	42.6	(37.1, 48.3)			
Received SMC cycle 1	1339/1743	77.0	(72.3, 81.2)			
Received SMC cycle 2	1351/1743	77.8	(73.2, 81.8)			
Received SMC cycle 3	1341/1743	77.3	(70.8, 82.6)			
Received SMC cycle 4	1324/1743	76.0	(68.9, 81.8)			
	Confirmed by card if available, otherwise recall [^]			Maximum by card / recall		
No. of SMC cycles	n/N	%	95% Confidence Interval	n/N	%	95% Confidence Interval
0	69/1743	3.8	(2.7, 5.3)	60/1743	3.3	(2.3, 4.8)
1	125/1743	7.1	(5.3, 9.6)	56/1743	3.2	(2.2, 4.6)
2	215/1743	12.5	(9.9, 15.6)	190/1743	11.0	(8.3, 14.3)
3	176/1743	10.0	(7.5, 13.2)	164/1743	9.5	(7.0, 12.7)
4	1158/1743	66.6	(60.5, 72.2)	1273/1743	73.0	(67.7, 77.8)
Received no SMC*	60/1743	3.3	(2.3, 4.8)			
Received at least one cycle	1674/1743	96.2	(94.7, 97.3)	1674/1743	96.2	(94.7, 97.3)
Received at least 3 cycles	1334/1743	76.6	(72.0, 80.7)	1437/1743	82.5	(78.5, 85.9)
Received all 4 cycles	1158/1743	66.6	(60.5, 72.2)	1273/1743	73.0	(67.7, 77.8)

Percentages are survey -weighted and will not equate to n/N. [§] aged at least 3 months at time of first cycle, and under 5 years at time of survey. * this is confirmed as no receipt, rather than failure to indicate receipt.

Breakdown of coverage according to source

No. of SMC cycles	Confirmed by card			Recall only		
	n/N	%	95% Confidence Interval	n/N	%	95% Confidence Interval
0	11/715	1.5	(0.8, 2.9)	58/1028	5.3	(3.5, 7.8)
1	101/715	14.5	(10.3, 20.1)	24/1028	2.2	(1.3, 3.9)
2	106/715	15.5	(11.6, 20.6)	109/1028	10.4	(8.0, 13.5)
3	87/715	12.3	(8.7, 17.1)	89/1028	8.5	(5.8, 12.3)
4	410/715	56.1	(47.6, 64.4)	748/1028	73.6	(67.8, 78.7)

Adherence

Full adherence to the two home doses among those who received the last SMC was 98.1% (96.8, 98.8).

Reasons for missed SMC at final cycle

Reason	n	%	CI
0-Not applicable	1559	89.4	(86.3, 91.9)
1-Child was living away from home	13	0.8	(0.3, 2.0)
2-Child was away at the time	62	3.4	(2.3, 5.1)
3-Child was unwell	10	0.6	(0.2, 1.3)
4-Caregiver not available	47	2.7	(1.6, 4.5)
5-Child has history of allergies to drugs	2	0.1	(0.0, 0.5)
8-The health worker did not visit the household	41	2.4	(1.2, 4.9)
9-Family refused: state reason	2	0.1	(0.0, 0.9)
10-Other reason - please specify	7	0.4	(0.2, 1.0)
Total	1743	100	

Coverage among children too old to receive SMC

Number children 6–7 years included	373					
	n/N	%	95% Confidence Interval			
Slept under a bednet last night	287/373	77.8	(68.3, 85.1)			
Received SMC card	274/373	75.5	(65.5, 83.4)			
Retained card if card received	111/274	39.6	(32.4, 47.3)			
Received SMC cycle 1	208/373	57.1	(49.3, 64.6)			
Received SMC cycle 2	201/373	54.9	(47.5, 62.2)			
Received SMC cycle 3	201/373	54.7	(45.9, 63.2)			
Received SMC cycle 4	186/373	50.7	(40.2, 61.1)			
	Confirmed by card if available, otherwise recall [^]			Maximum by card / recall		
No. of SMC cycles	n/N	%	95% Confidence Interval	n/N	%	95% Confidence Interval
0	87/373	21.1	(14.9, 29.1)	87/373	21.1	(14.9, 29.1)
1	27/373	7.5	(5.2, 10.7)	13/373	3.6	(1.7, 7.4)
2	45/373	12.7	(8.8, 17.8)	42/373	11.7	(7.8, 17.4)
3	43/373	11.8	(7.5, 18.2)	44/373	12.2	(7.5, 19.1)
4	171/373	47.0	(38.0, 56.2)	187/373	51.3	(41.5, 61.0)
Received no SMC*	87/373	21.1	(14.9, 29.1)			
Received at least one cycle	286/373	78.9	(70.9, 85.1)	286/373	78.9	(70.9, 85.1)
Received at least 3 cycles	214/373	58.8	(51.5, 65.7)	231/373	63.5	(56.2, 70.3)
Received all 4 cycles	171/373	47.0	(38.0, 56.2)	187/373	51.3	(41.5, 61.0)