

Burkina Faso Coverage Report – Post SMC cycle 4 survey

Preiminary report

Notes: Survey took place between 5th November and 17th November 2017, across 28 Districts. A total of 2282 households were visited and 92.9% agreed to participate in the survey, the reasons for non-response (163/2282) were; the inability to find someone to speak with (n=83); no children aged between 3 months and 7 years (n=73); refused to participate (n=1) and interviewers unable to access compound (n=6).

Overall coverage was 97.0%, however this hides some of the regional variability. The most common reason given for not receiving SMC was the child was living away or the child was unwell.

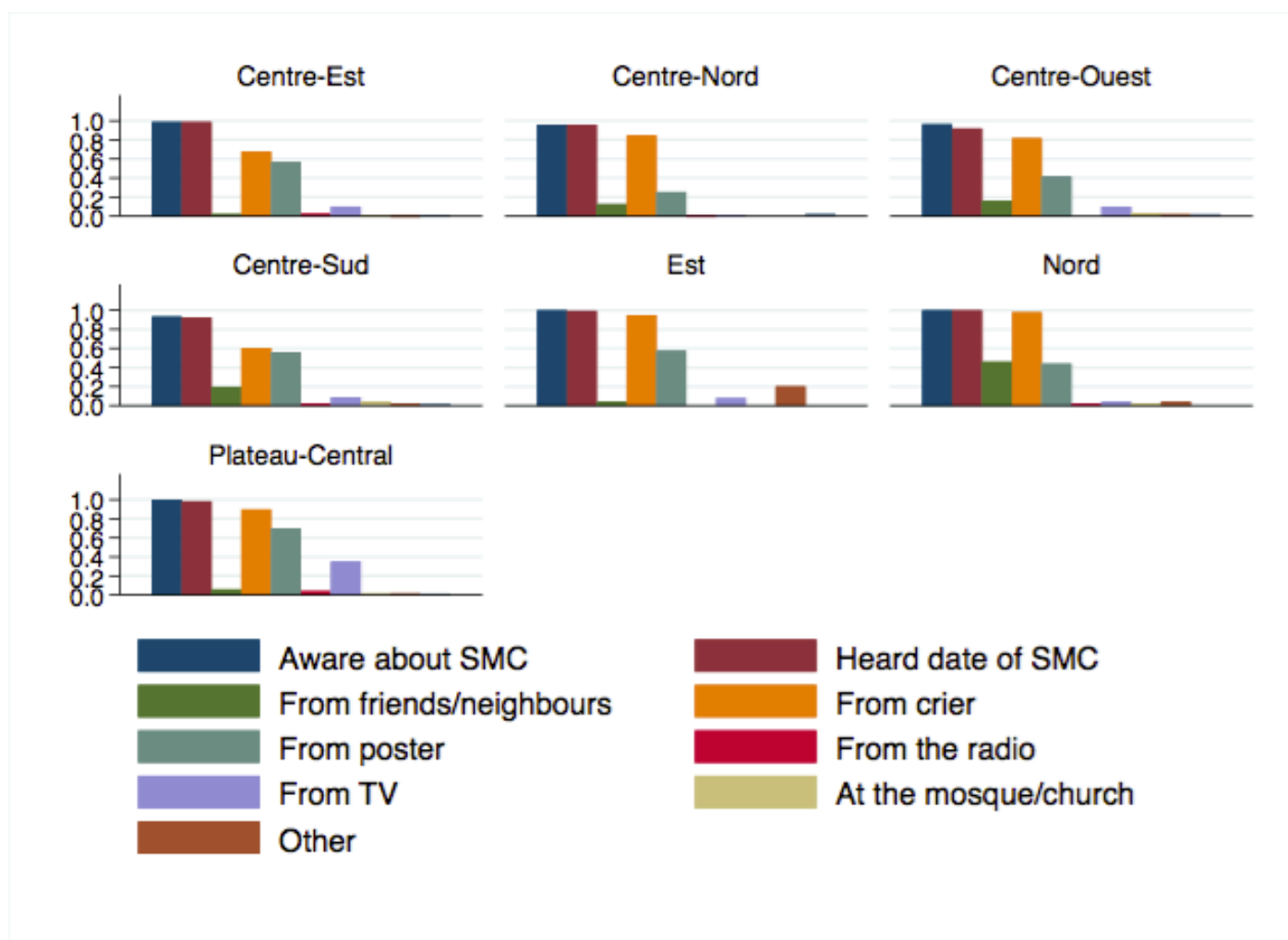


Figure1: Public awareness about SMC, and about the dates of the most recent SMC campaign (cycle 4), and where caregivers heard about date of the campaign

Table 1: Response rates and the number of households, children and other household members surveyed

Households surveyed	No. of households	%
Agreed to participate	2119	92.9
Refused to participate	1	0.0
No access to compound	6	0.3
Unable to find someone to speak with	83	3.6
No children between 3 months and 7 years in the household	73	3.2
TOTAL	2282	

Children Surveyed	No. of children
<3mths C4	3
Aged 3-59 months at cycle 4 (eligible for SMC at cycle 4)	1776
Aged 5-6 years at survey	193
Aged 6-7 years at survey (more than 5 years of age at cycle 1)	124
TOTAL (3 months to 7 years at survey)	2096

Caregivers surveyed	1446
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Total population surveyed:	No. of household members
Slept in the household the night before the survey	5953
TOTAL	6123

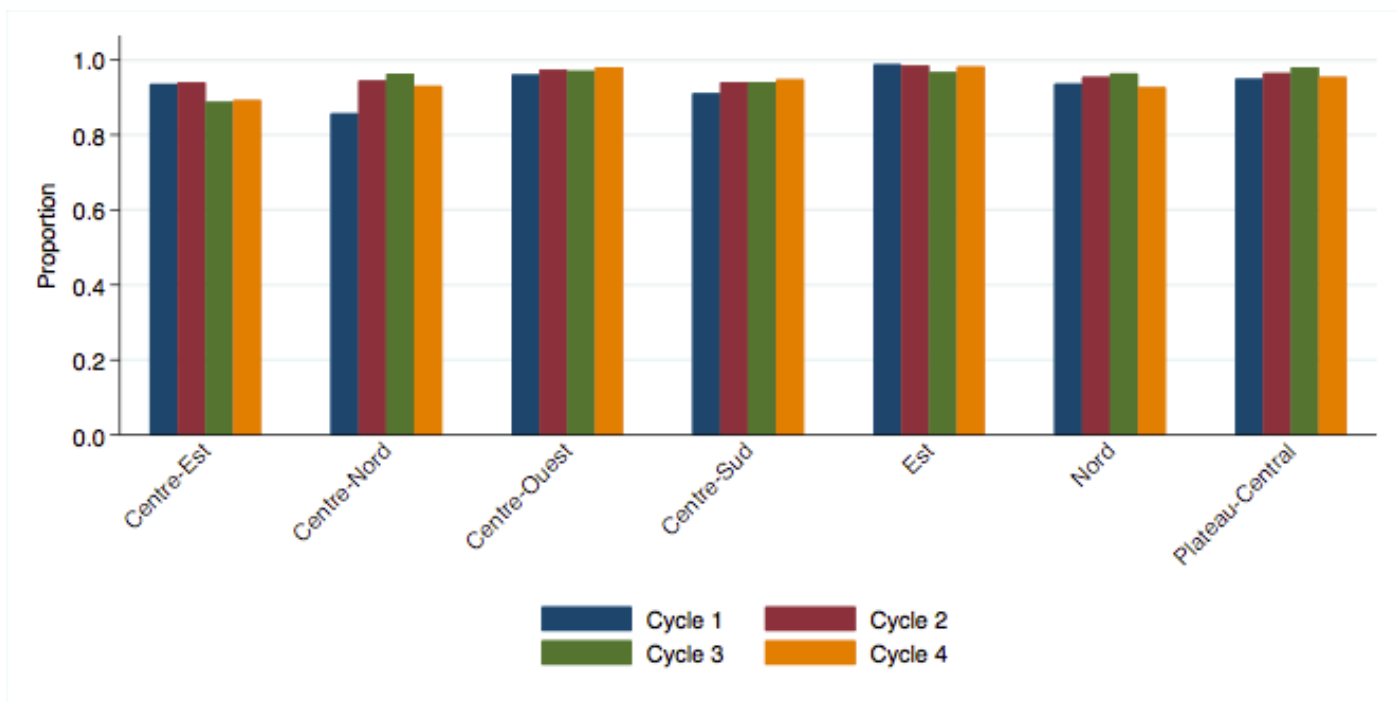


Figure 2: SMC coverage by cycle and region

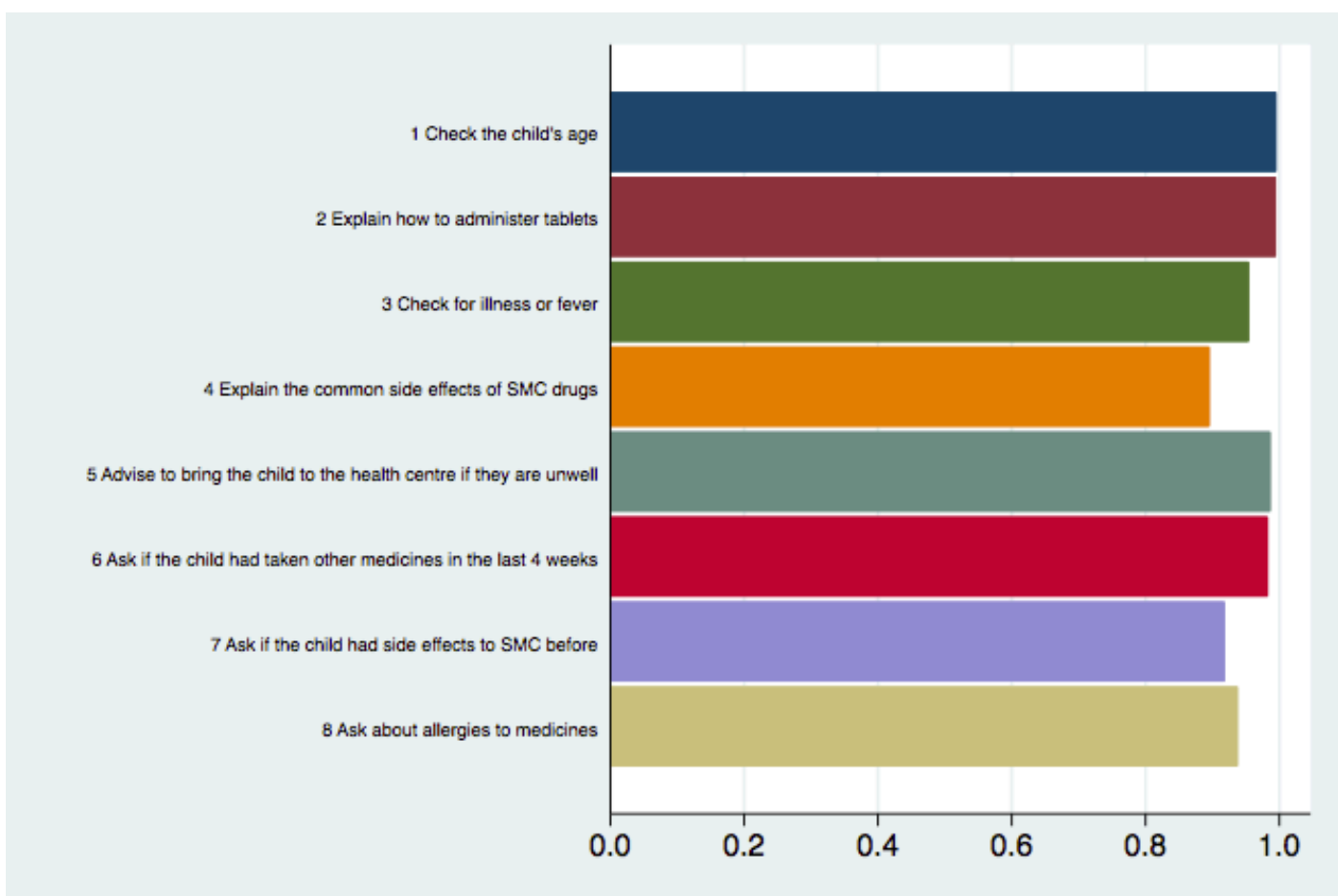


Figure 3: CHW adherence to guidelines

Table 2: Percentage of households that were aware of the SMC programme, had heard the date when cycle 4 would start in their village, and the source of the information

Region or State	Household aware about SMC	Heard the date of cycle 4	From friends/neighbor	From a health worker	From a crier	From posters	On the radio	On TV	At the Mosque/church	Other*
Centre-Est	99.2	99.2	2.0	69.6	54.6	2.0	8.4	0.4	0.4	1.0
Centre-Nord	96.5	96.5	11.2	87.9	19.8	0.3	0.7	0.0	0.0	2.8
Centre-Ouest	96.4	92.2	15.5	81.0	41.1	0.0	8.7	4.0	1.9	1.5
Centre-Sud	92.8	92.4	20.9	64.1	54.2	1.8	10.0	4.1	1.2	1.1
Est	100.0	99.2	3.8	95.2	56.4	0.0	7.5	0.0	19.9	0.0
Nord	100.0	100.0	48.9	99.5	40.5	1.0	1.6	1.0	2.0	0.0
Plateau-Central	100.0	98.8	7.5	89.3	66.1	4.2	29.8	1.8	1.2	0.7
Total	100.0	98.8	7.5	89.3	66.1	4.2	29.8	1.8	1.2	0.7

Table 4: Caregivers' knowledge scores on SMC:

Region or State	Average caregiver knowledge score (out of 10)	Average reported CHW score for adherence to guidelines (out of 8)
Centre- Est	8.3	7.8
Centre- Nord	7.4	7.8
Centre- Ouest	7.7	7.4
Centre- Sud	6.7	7.6
Est	8.9	7.9
Nord	8.2	6.8
Plateau- Central	8.2	7.8
Total	8.0	7.6

Table 5: CHW adherence to guidelines:

Action	% of caregivers who reported that the CHW performed the action at the last visit:
1 Check the child's age	99.4
2 Explain how to administer tablets	99.3
3 Check for illness or fever	95.7
4 Explain the common side effects of SMC drugs	87.8
5 Advise to bring the child to the health centre if they are unwell	98.3
6 Ask if the child had taken other medicines in the last 4 weeks	98.0
7 Ask if the child had side effects to SMC before	90.4
8 Ask about allergies to medicines	92.3

Table 7: Percentage of children who were definitely eligible at cycle 4 (aged 3-59 months), who received SMC, and the percentage who received all 3 daily doses:

State or Region	Percentage treated	Percentage who received all 3 daily doses	Number of children aged 3-59 months
Centre-Est	91.9	91.9	420
Centre-Nord	95.0	94.0	273
Centre-Ouest	98.6	98.0	305
Centre-Sud	94.7	94.7	135
Est	98.8	98.2	335
Nord	96.0	96.0	110
Plateau-Central	97.0	96.4	198
Total	97.0	96.4	1776

Table 8: Out of those who received SMC at cycle 4, the percentage whose first dose was administered by the CHW, the percentage that received the second dose, and the percentage that received the third dose:

State or Region	First dose administered by the CHW	Second dose given	Third dose given
Centre-Est	97.5	99.8	99.8
Centre-Nord	98.6	100.0	100.0
Centre-Ouest	98.3	99.0	98.6
Centre-Sud	99.2	100.0	100.0
Est	100.0	100.0	100.0
Nord	99.4	99.4	99.4
Plateau-Central	97.0	99.5	99.5
Total	97.0	99.5	99.5

Table 9: Reasons for not receiving SMC at cycle 4

Reason	%
child was unwell	0.1
child was away on the day	0.1
other reason - please specify	1.7

Table 10: Reasons for not administering doses 2 and 3 at cycle 4

Reasons for not giving the dose:	Dose 2	Dose 3
	Na	Na
	Forgot	Forgot
	Carer away	Carer away
	Carer too busy	Carer too busy
	Did not understand	Did not understand
	Other	Other

Table 11: Percent of Households who waited with the child

Who waited with the child % of households	
Aunt	0.4
Father	1.3
Grandfather	0.1
Grandmother	1.7
Mother	96.3
Sister	0.1
Uncle	0.1

Table 12: Time spent waiting

How do you rate the time spent waiting in total: % of households

Long	4.4
Neither Short Nor Long	35.4
Short	39.8
Very Long	2.1
Very Short	18.3

Time spent waiting for the CHW:

Less than 1 hour	58.2
1-2 hours	27.5
Up to half a day	4.2
A full day	0.6
Don't know	9.5

Time taken to administer SMC in the household:

Less than 15 minutes	63.8
15-30 minutes	22.8
30 minutes - 1 hour	2.9
1-2 hours	1.7
Long wait of more than 2hrs	1.0
Don't know	7.9

Table 13: SMC coverage among children eligible for four treatments, by region or state:

Region or State	Mean number of treatments	% that received SMC at each cycle:			
		Cycle 1	Cycle 2	Cycle 3	Cycle 4
Centre-Est	3.66	93.6	94.1	89.1	89.5
Centre-Nord	3.70	85.8	94.7	96.5	92.9
Centre-Ouest	3.88	95.9	97.3	96.9	98.0
Centre-Sud	3.73	90.8	93.9	93.9	94.7
Est	3.92	98.8	98.5	96.7	98.2
Nord	3.87	95.0	97.1	99.0	96.0
Plateau-Central	3.85	95.1	96.5	97.9	95.4
TOTAL	3.80	93.8	96.0	95.1	94.6

Table 15: SMC coverage among children eligible for four treatments, by socioeconomic ranking:

% that received SMC at each cycle:						
Wealth ranking	Mean number of treatments	Cycle 1	Cycle 2	Cycle 3	Cycle 4	
Lowest	3.80	93.0	94.9	95.2	96.4	
Low	3.80	93.4	97.5	95.5	93.2	
Middle	3.83	96.6	96.9	94.7	95.0	
High	3.83	94.1	97.9	96.1	94.7	
Highest	3.75	92.6	93.7	94.6	94.2	

Table 16: SMC coverage among children eligible for four treatments, by gender:

Gender	Mean number of treatments	% that received SMC at each cycle:			
		Cycle 1	Cycle 2	Cycle 3	Cycle 4
Female	3.80	93.9	95.9	95.2	94.8
Male	3.79	93.8	96.2	94.9	94.3

Table 17: Number of SMC treatments: percentage of children who received SMC 0,1,2,3,or 4 times

State or Region	% children who received SMC 0,1,2,3,4 times				
	0	1	2	3	4
Centre-Est	1.1	1.6	8.9	6.4	81.9
Centre-Nord	1.5	1.3	3.7	13.0	80.6
Centre-Ouest	0.0	1.4	1.4	5.1	92.2
Centre-Sud	3.7	2.3	0.8	3.1	90.0
Est	0.3	0.9	0.3	3.3	95.2
Nord	0.3	0.3	2.6	5.9	91.0
Plateau-Central	1.6	0.0	2.4	4.0	92.1
TOTAL	1.0	1.2	3.4	6.0	88.3

Table 18: Percentage of children by SMC cycles received

Received SMC at cycle:				
1	2	3	4	% of children
0	0	0	0	1.0
0	0	0	1	0.7
0	0	1	0	0.0
0	1	0	0	0.1
1	0	0	0	0.3
1	1	0	0	1.6
1	0	1	0	0.1
1	0	0	1	0.3
0	1	1	0	0.2
0	1	0	1	0.2
0	0	1	1	1.3
1	1	1	0	2.1
1	1	0	1	1.6
1	0	1	1	0.2
0	1	1	1	2.8
1	1	1	1	88.3

Table 19: Treatment of children above the age limit for SMC (aged 6-7 years at the survey)

% Treated at cycle:

Mean number of treatments	Cycle 1	Cycle 2	Cycle 3	Cycle 4	Given an SMC card	Number surveyed
1.9	47.1	48.7	49.5	48.5	51.0	409

Table 20: Percentage of eligible children who received an SMC card, and the percentage with a card available for inspection during the survey

State or Region	Given SMC card	Card available for inspection
Centre-Est	97.7	83.8
Centre-Nord	97.7	97.4
Centre-Ouest	99.3	88.1
Centre-Sud	96.4	85.6
Est	97.1	93.0
Nord	95.9	98.0
Plateau-Central	99.3	71.6
TOTAL	97.8	87.9

Table 21: Agreement between caregiver report and SMC card:

Cycle	Card 0 Carer 0	Card 1 Carer 1	Card 0 Carer 1	Card 1 Carer 0	% Agreement	kappa
1	360	863	212	11	84.6	0.657
2	338	891	215	2	85.0	0.657
3	349	863	231	3	83.8	0.640
4	356	774	312	4	78.1	0.546

Table 22: Percentage of children 3-59months who slept under a bednet (of any type) the night before the survey

State or Region	Slept under a net (of any type) last night
Centre-Est	93.1
Centre-Nord	99.7
Centre-Ouest	93.6
Centre-Sud	93.9
Est	99.7
Nord	92.7
TOTAL	95.28

Table 23: Percentage who slept under a bednet, out of those who slept in the household the night before the survey, by prefecture

State or Region	Any net	LLIN	Intact net	Net <2yrs old	No. surveyed
Centre-Est	92.8	61.6	42.0	43.0	1356
Centre-Nord	95.0	25.6	21.5	0.3	961
Centre-Ouest	90.3	36.2	30.9	21.8	1048
Centre-Sud	85.8	54.6	46.3	7.3	521
Est	99.4	17.3	16.3	0.0	824
Nord	77.3	67.6	51.9	5.0	418
TOTAL	91.6	45.4	36.3	19.4	5812

Table 24: Percentage who slept under a bednet, out of those who slept in the household the night before the survey, by age group

Age	Any net	LLIN	Intact net	Net <2yrs old	No. surveyed
<10yrs	92.5	45.7	35.8	19.9	2605
10-14yrs	85.0	38.5	29.5	17.7	608
15-19yrs	85.5	42.4	33.7	17.9	347
20-24yrs	93.6	46.0	38.5	20.6	348
25-30yrs	94.0	50.2	41.1	23.4	452
30-39yrs	94.7	50.2	40.4	20.9	742
TOTAL	91.8	45.5	36.4	19.5	5793

Table 25: Percentage who slept under a bednet, out of those who slept in the household the night before the survey, by wealth ranking

Age	Any net	LLIN	Intact net	Net <2yrs old	No. surveyed
Lowest	88.9	41.9	24.8	18.2	584
Low	91.8	42.8	32.6	13.1	920
Middle	93.5	42.3	33.0	17.3	1392
High	90.8	48.7	41.1	17.9	1449
Highest	91.2	48.8	41.9	29.1	1389

Table 26: Percentage who slept under a bednet, out of those who slept in the household the night before the survey, by gender

Gender	Any net	LLIN	Intact net	Net <2yrs old	No. surveyed
Male	90.2	44.8	36.8	18.2	2665
Female	93.1	46.1	36.0	20.5	3134

Table 27: Percentage of the population who could sleep under a net if two people slept under each net: (values in the main part of the percentages)

No. who slept in the household last night	No. of nets in the household (of any type):									No. of households
	0	1	2	3	4	5	6	7	8+	
1	41.8	25.8	10.1	11.3	0.0	11.0	0.0	0.0	0.0	9
2	2.3	0.0	81.4	13.6	2.7	0.0	0.0	0.0	0.0	37
3	4.2	0.0	3.0	91.7	0.6	0.6	0.0	0.0	0.0	177
4	3.3	0.0	0.5	3.8	88.5	3.9	0.0	0.0	0.0	200
5	3.5	0.0	0.0	1.9	4.5	87.5	2.6	0.0	0.0	151
6	0.8	0.0	1.4	3.5	2.6	3.9	87.9	0.0	0.0	129
7	4.3	0.0	1.2	2.0	3.2	4.4	8.8	76.1	0.0	85
TOTAL	3.5	2.3	0.0	0.5	1.9	2.6	4.4	4.8	4.8	1003

Table 28: Percentage of the population who could sleep under a LLIN if two people slept under each net: (values in the main part of the

No. who slept in the household last night	No. of nets in the household (LLINs):									
	0	1	2	3	4	5	6	7	8+	9+
1	73.6	15.1	0.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0
2	42.5	0.0	52.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0
3	49.5	1.7	3.4	45.4	0.0	0.0	0.0	0.0	0.0	0.0
4	46.9	1.0	0.5	4.1	46.0	1.5	0.0	0.0	0.0	0.0
5	45.9	2.6	0.0	1.9	5.3	43.6	0.7	0.0	0.0	0.0
6	48.4	1.6	0.0	0.8	0.8	3.2	45.2	0.0	0.0	0.0
7	55.7	1.2	1.2	1.0	3.3	1.0	8.8	27.9	0.0	0.0
TOTAL	49.5	42.5	1.7	0.5	1.9	0.8	1.0	3.5	3.5	0.0

Table 29: Percentage of households with at least one net, and percentage of households with at least one net for every two people who slept in the household the night before the survey

State or Region	Net of any type		LLIN		Intact net		Net <2yrs old	
	1 or more	At least 1 per 2	1 or more	At least 1 per 2	1 or more	At least 1 per 2	1 or more	At least 1 per 2
Centre-Est	96.0	94.9	63.6	62.1	48.6	44.7	44.7	42.3
Centre-Nord	96.7	96.7	25.8	25.8	25.2	23.2	0.7	0.7
Centre-Ouest	96.0	93.2	43.2	41.5	41.5	36.9	23.9	22.7
Centre-Sud	95.6	93.4	64.8	63.7	58.2	50.5	11.0	9.9
Est	98.2	98.2	24.8	18.8	24.8	17.0	0.0	0.0
Nord	98.0	81.6	61.2	59.2	46.9	36.7	6.1	0.0
Plateau-Central	96.6	95.8	72.0	72.0	69.5	68.6	41.5	41.5
TOTAL	96.6	94.7	49.0	47.1	43.2	38.5	21.7	20.5

Table 30: Mothers or carers experiences giving of SMC, amongst children eligible for cycle 4

Type of tablets were in the blister pack %	
Hard	0.2
Dispersible	99.8
Who administered the first dose? %	
CHW	96.6
Not done	2.4
Observed by nurse	1.0
Did the child: %	
Swallow the medicine and keep it down	95.3
Swallow the medicine but spit/vomit some immediately	0.8
Swallow but vomit all immediately afterwards	1.4
Did not take the medicine	2.5
CHW repeat the dose if child vomited %	
No	44.7
Yes	55.3
If YES did they vomit after the repeat dose	
No	58.5
Yes	41.5
CHW gave blister pack to the child	
No	3.4
Yes	96.6
Second dose (day 2) given at home	
No	2.4
Yes	97.6
If no, what was the reason	
Na	31.4
Forgot	2.4
Carer away	10.7
Carer too busy	2.3
Did not understand	4.6
Other	48.6
Dose 2: Did the Child	
Swallow the medicine and keep it down	95.7
Swallow the medicine but spit/vomit some immediately	0.9
Swallow but vomit all immediately afterwards	0.9
Did not take the medicine	2.5
Third dose (day 3) given at home	
No	2.6
Yes	97.4
If no, what was the reason	
Na	31.6
Forgot	2.2
Carer away	10.1
Carer too busy	4.4
Did not understand	2.2
Other	49.6
Dose 3: Did the Child	
Swallow the medicine and keep it down	95.9
Swallow the medicine but spit/vomit some immediately	0.7
Swallow but vomit all immediately afterwards	0.8
Did not take the medicine	2.6

Table 31: Safety

Total number of children eligible at cycle 4	1776						
Has the child been unwell since the first day of this SMC cycle? n (%)	94 (5.3)						
Symptom name	Vomiting	Diarrhoea					
Number reporting symptom	24 (25.5)	23 (24.5)					
	Times per day						
	1	4 (16.7)	4 (17.4)				
	2	4 (16.7)	11 (47.8)				
	3	7 (29.2)	4 (17.4)				
	4	5 (20.8)	4 (17.4)				
	>4	4 (16.7)	0 (0.0)				
Symptom name	Yellow eyes	Rash	Abdominal Pain	Appetite	Fever	Drowsiness	Itchiness
Number reporting symptom	4 (4.3)	0 (0.0)	11 (11.7)	16 (17.0)	83 (88.3)	9 (9.6)	0 (0.0)
Severity							
mild, does not prevent play	0 (0.0)		1 (9.1)	0 (0.0)	6 (7.2)	1 (11.1)	
moderate, prevents normal play	2 (50.0)		6 (54.5)	3 (18.8)	25 (30.1)	6 (66.7)	
thought child needed to see someone about these symptoms	2 (50.0)		4 (36.4)	9 (56.2)	52 (62.7)	2 (22.2)	