

Seasonal Malaria Chemoprevention in Niger

Coverage Summary Report 2016

Key messages:

The reach of the SMC programme in Niger has been excellent, the percentage of children having received at least one cycle of SMC ranging from 86% in Zinder to 97% in Aguié.

The percentage of children with an SMC card for inspection was only 23% (Zinder), 37% (Maradi), 44% (Madaoua) and 71% (Aguié).

The percentage of children who received at least three SMC treatments was 57% (Zinder), 75% (Maradi), 71% (Madaoua) and 83% (Aguié). 31%, 52%, 47% and 64% respectively received 4 treatments.

In all areas, coverage was lower in cycles 3 and 4 than in cycles 1 and 2.

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 Aguié many older children are being treated, 80% of 6-7 year olds had received SMC.

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

91% to 98% of children slept under an insecticide treated net the night before the survey.

Key indicators 2016:

	Aguié	Madaoua	Maradi	Zinder
Number surveyed eligible for all 4 SMC cycles	1376	1382	1444	1287
Slept under a bednet last night	98%	93%	92%	91%
Received an SMC card	96%	87%	83%	80%
Received at least one cycle	97%	88%	92%	86%
Received at least 3 cycles	83%	71%	75%	57%
Received all 4 cycles	64%	47%	52%	31%
Received no SMC	4%	3%	17%	20%
Children 6-7yrs old who received SMC at least once	80%	26%	41%	25%

Table 1. Coverage in children eligible for all 4 SMC cycles

	Aguie		Madaoua		Maradi		Zinder	
	N	%	N	%	N	%	N	%
Used Net Last Night	1350	98.1	1282	92.7	1326	91.8	1177	91.4
SMC Card Received	1319	95.9	1197	86.6	1199	83	1036	80.4
Retained SMC card	938	71.1	528	44.1	445	37.1	242	23.4
Coverage of individual cycles								
Received Cycle 1	1173	85.2	1054	76.2	1106	76.6	956	74.2
Received Cycle 2	1118	81.3	1013	73.2	1111	76.9	837	65
Received Cycle 3	926	67.3	805	58.2	952	65.9	633	49.1
Received Cycle 4	748	54.4	684	49.5	855	59.2	547	42.5
No. cycles received (card confirmed, otherwise recall)								
0	43	3.1	160	11.6	123	8.5	177	13.7
1	97	7	170	12.3	143	9.9	193	15
2	238	17.3	227	16.4	254	17.6	282	21.9
3	320	23.3	308	22.3	306	21.2	288	22.4
4	678	49.3	518	37.5	618	42.8	348	27
Coverage indicators (card confirmed, otherwise recall)								
Received no SMC	34	2.5	152	11	90	6.2	173	13.4
Received at least 1	1333	96.9	1223	88.4	1321	91.5	1111	86.3
Received at least 3	998	72.5	826	59.7	924	64	636	49.4
Received all 4	678	49.3	518	37.5	618	42.8	348	27
No. cycles received (maximum of card or recall)								
0	34	2.5	152	11	90	6.2	173	13.4
1	41	3	68	4.9	70	4.8	129	10
2	156	11.3	178	12.9	206	14.3	270	21
3	262	19	335	24.2	325	22.5	323	25.1
4	883	64.2	650	47	753	52.1	393	30.5
Total	1376	100	1383	100	1444	100	1288	100
Coverage indicators (maximum of card or recall)								
Received at least 1 SMC	1333	96.9	1223	88.4	1321	91.5	1111	86.3
Received at least 3 SMC	1145	83.2	985	71.2	1078	74.7	716	55.6
Received all 4 SMC	883	64.2	650	47	753	52.1	393	30.5

Table 2. Coverage in older children

OLDER CHILDREN	Aguie		Madaoua		Maradi		Zinder	
	N	%	N	%	N	%	N	%
Received an SMC card	62	79.5	49	26.3	71	40.8	23	25.3
No. cycles received (card confirmed, otherwise recall)								
0	13	16.7	139	74.7	87	50	67	73.6
1	10	12.8	5	2.7	11	6.3	6	6.6
2	6	7.7	6	3.2	15	8.6	7	7.7
3	14	17.9	11	5.9	28	16.1	7	7.7
4	35	44.9	25	13.4	33	19	4	4.4
Total	78	100	186	100	174	100	91	100
No. cycles received (maximum of card or recall)								
0	13	16.7	139	74.7	87	50	67	73.6
1	4	5.1	3	1.6	8	4.6	5	5.5
2	5	6.4	3	1.6	13	7.5	8	8.8
3	11	14.1	13	7	30	17.2	7	7.7
4	45	57.7	28	15.1	36	20.7	4	4.4
Total	78	100	186	100	174	100	91	100