



# Technical Assistance to the National Malaria Control Program to Strengthen the Malaria Supply Chain in Niger

**SIAPS Quarterly Progress Report**  
April–June 2015



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## **About SIAPS**

The goal of the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program is to assure the availability of quality pharmaceutical products and effective pharmaceutical services to achieve desired health outcomes. Toward this end, the SIAPS result areas include improving governance, building capacity for pharmaceutical management and services, addressing information needed for decision-making in the pharmaceutical sector, strengthening financing strategies and mechanisms to improve access to medicines, and increasing quality pharmaceutical services.

## **Recommended Citation**

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SIAPS. 2015. *Technical Assistance to the National Malaria Control Program to Strengthen the Malaria Supply Chain in Niger*. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health.

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## ACRONYMS

ACT	artemisinin-based combination therapy
AQSP	amodiaquine–sulfadoxine /pyrimethamine
CCM	Country Coordination Mechanism
DPHMT	Direction de la Pharmacie et Médecine Traditionnelle (National Drug Authority)
GFTAM	Global Fund to Fight Aids, Tuberculosis and Malaria
LLIN	long lasting insecticidal net (bednet)
MSF	Médecins Sans Frontières (Doctors without Borders)
NMCP	National Malaria Control Program
PSN	Plan stratégique national de lutte contre le paludisme (National Malaria Strategic Plan)
SIAPS	Systems for Improved Access to Pharmaceuticals and Services Program
SMC	seasonal malaria chemoprevention
UNICEF	United Nations Children’s Fund
USAID	US Agency for International Development
WHO	World Health Organization

## INTRODUCTION

Malaria remains a major public health problem in Niger. Over the past four years, an average of 3,800,000 presumed cases of malaria were recorded per year (equivalent to an incidence rate of 24,910 cases per 100,000 inhabitants) and there were an annual average of 2,862 deaths (or a mortality rate of 0.25%). Malaria represents 31% of all the morbidity incidents recorded in 2013 and constitutes the first cause of death in all regions. In Niger, it is responsible for 57% of deaths overall and 76% of deaths among children under 5. Malaria affected 106,012 pregnant women in 2013 and caused 25 deaths (or a mortality rate of 0.02%).<sup>1</sup> However, these figures do not reflect the real situation of the country given the low coverage rate of the population (48% in 2013) and the number of malaria cases that escape notification at the community level.

The entire Nigerien population is exposed to malaria. However, pregnant women and children under 5 years of age are the most vulnerable groups and frequently develop severe malaria. The epidemiology of malaria in Niger is characterized by stable endemicity with a seasonal increase during and after the rainy season (June to December). The latest outbreak was recorded in July–August 2012 in the health districts of Niamey, Tillaberi, Agadez, and Abalak.

Malaria endemicity is superimposed on the geo-climatic zones with three epidemiological patterns summarized below depending on the type of transmission:

- A hypoendemic zone in the North (Sahara region) with sporadic transmission
- A mesoendemic zone in the intermediate Sahel region with seasonal transmission lasting less than 4 months
- A hyperendemic area in the South (Sudan region) with longer seasonal transmission of 4 to 6 months.

The National Malaria Strategic Plan 2011–2015, developed by the National Malaria Control Program (NMCP), highlighted the importance of maintaining constant availability of stocks and improving the current supply chain management system for malaria commodities. Support was requested and obtained from US Agency for International Development (USAID) in the form of technical assistance to be provided to NMCP by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program.

In Niger, the objective will be to strengthening pharmaceutical management of health products to treat malaria. Specifically, a SIAPS Supply Chain Technical Advisor was embedded with the NMCP for 18 months.

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<sup>1</sup> Health statistical directory in Niger, SNIS 2013, p.59.

## PROJECT PERFORMANCE

This report presents the progress of the SIAPS Niger project between April 1, 2015, and June 30, 2015 (the end of the quarter). It covers activities related to supply chain management of malaria commodities and the results obtained by the technical advisor within the framework of capacity building at the NMCP.

The main technical activities realized during the second quarter of 2015 include:

- Development of the Global Fund to Fight AIDS, Tuberculosis and Malaria (Global Fund) Concept Note for the New Funding Mechanism (NFM) for the period 2016–2018
- Development of terms of reference for a new technical committee focusing on supply chain management of malaria commodities
- Planning of the next campaign of seasonal malaria chemoprevention (SMC)
- Revision of existing drug management tools used as part of the “push” distribution system to improve malaria commodities management

## PROJECT MANAGEMENT

Activities related to program management included:

- Participate with USAID health focal point on a multi- and bilateral partner meeting on May 22, 2015, to identify their representative at the Country Coordination Mechanism (CCM) Niger
- Follow up on the Management Sciences for Health Registration in Niger as an international nongovernmental organization

The MSH registration folder submitted to the Niger Embassy in the United States arrived in country during the last week of March 2015. It was reviewed by the Ministry of Foreign Affairs and sent to the Ministry of Interior on May 27, 2015, for review. The file is still under review and may require input from Ministry of Planning and Ministry of Health before approval.

## **PROJECT ACTIVITIES**

### **Development of the Global Fund Concept Note**

With the new funding mechanism established by the Global Fund, NMCP, and CCM are required to submit a concept note covering a three-year period (2016–2018) for an estimated funding level of 39 million euros. The concept note was submitted on April 20, 201, in accordance with the deadline.

The SIAPS Supply Chain Technical Advisor supported the technical working group during this quarter to respond to Global Fund's queries and to provide clarifications. We expect to receive Global Fund feedback on the concept note by August 2015.

The SIAPS technical advisor worked also closely with Global Fund portfolio by facilitating communication between NMCP and Global Fund by ensuring that the technical working group responds to Global Fund request for clarification on time.

### **Quarterly Inventory of Malaria Commodities at the Central Medical Store**

On April 8, 2015, the SIAPS technical advisor was invited to participate in the Central Medical Store's (Office National des Produits Pharmaceutiques et Chimiques) quarterly physical inventory of malaria product in Niamey. Discrepancies found were related to missing information on stock cards records. The physical inventory also identified the low stock level of malaria commodities at the Central Medical Store, particularly for artemether-lumefantrine. (annex A). The inventory report was shared with the NMCP for making decisions on malaria commodities procurement. Currently, product distribution to district level is done twice a year. The next distribution is planned for January but, with this level of stock, it may be compromised unless the government order arrives as planned in July 2015. See annex B for a summary of malaria commodities stock as of April 8, 2015.

### **Launch of a Supply Chain Technical Committee for Malaria Products**

To strengthen the management of malaria products and coordination among the various stakeholders, the technical advisor assisted the NMCP and Medicines Regulatory Authority (Direction de la Pharmacie et d Médecine Traditionnelle) in finalizing the arrêté (decree) and scope of work for a new technical committee which will focus on supply chain issues related to malaria commodities management. The work of this new technical committee was endorsed by all stakeholders including NMCP, the Medicines Regulatory Authority, and the Central Medical Store.

The arrêté establishing this technical committee has been approved and signed by the Ministry of Health on May 19, 2015.



The first meeting of all partners involved on malaria supply chain management was held on April 30, 2015, prior to signing the arrêté. This was the first meeting ever held in Niger on malaria commodities management, and consisted of 10 staff members from NCMP, Central Medical Store, Médecins Sans Frontières (MSF) Espagne, MSF Suisse, Catholic Relief Services (principal recipient of the Global Fund), and UNICEF. During this meeting, stock status of malaria commodities at the central level was shared with all partners.

A summary of malaria commodities supply plan has been developed following this meeting based on information provided by the partners. This table helps the NMCP to have information regarding malaria commodities available in country and quantity distributed by partners at the health districts level.

Next step—Next meeting of the official committee will be held on July 2015.

### **Planning and Coordination of Seasonal Malaria Chemoprevention Activities**

During this quarter, the SIAPS advisor coordinated an important meeting with partners including UNICEF, MSF Spain, and NMCP to define roles and responsibilities of all partners involved in seasonal malaria chemoprevention (SMC) in Niger and to plan for the next SMC campaign in Niger. The shortfall of SMC commodities, amodiaquine–sulfadoxine/pyrimethamine was discussed and secured.

The 2015 campaign will run from August to November

### **Launch of Mass Bednet Distribution Campaign**

On May 16, 2015, SIAPS Niger participated in the official launch of the mass distribution campaign of long lasting insecticidal nets (LLIN). This ceremony was held in the region of Maradi (600 km from Niamey) and the First Lady of Niger and the Ministry of Health both attended.

This 2015 campaign will be conducted in six regions (Tahoua, Maradi, Zinder, Diffa, Niamey, and a part of Dosso) and around 8.6 million LLIN should be distributed.

However, this current launch focused on three regions (Maradi, Tahoua, and Zinder) and around 6.4 million LLINs will be distributed. All LLINs were procured with Global Fund funding through its principal recipient Catholic Relief Services. The remaining 2 million nets for the last three regions (Diffa, Niamey, and Dosso) will be procured by the government. This procurement is currently taking place and the nets are not yet available to deliver so the distribution campaign in these three regions will start in a few months.



PNLP Niger Team awaiting the official lunch ceremony at Maradi, May 16, 2015. From right to left : Dr Idrissa Sabiti (Deputy coordinator, NMCP), Dr Hadiza Jackou (Coordinator, NMCP PNLP), and Ms. Fatoumata TARI (Administrative and Finance manager NMCP).



Banner proclaiming the successful malaria prevention bednet campaign.

## **Coordination Meeting with Partner Working on Malaria**

To facilitate relationship with partners involved with malaria supply chain, the SIAPS technical advisor conducted several meetings with key partners. In May, we met and discussed with MSF Spain, MSF Suisse, MSF France, Save the Children, CONCERN, and UNICEF. During these meeting, the meeting partners discussed how to work together to strengthen the malaria commodities supply chain and improve the medicines management at the facility level. Everyone agreed with this approach and appreciated the initiative. At the end of each meeting, the partners provided information regarding their stock on hand and upcoming procurement. They also provided information regarding their geographic coverage. All these information should help to improve the distribution plan in the future. It is a practice in Niger that some districts received deliveries from both the central medical store and from other partners without any coordination which leads to stockouts or overstock at facilities level.

## **Additional Activities Related to Malaria Supply Chain Management**

During this quarter, the SIAPS technical advisor worked closely with NMCP on additional activities to improve malaria supply chain management in the country—

- Completed the revision of current pharmaceutical management tools used by NMCP team for the distribution system on May 2015. Revised tools are now used to manage the distribution of malaria commodities. The distribution plan designed for the next quarter will serve as baseline and will support to monitor stock and consumption from the central level in accordance with number of case of malaria tested, confirmed and treated as reported by districts.
- Work plan for malaria supply activities developed and approved by the NMCP coordinator.
- Participated in a three-day workshop organized by the CCM–Global Fund, to develop a strategic plan to strengthen the management of commodities supply chain in Niger.

## **Activities Planned for Next Quarter**

<b>Priority Actions</b>	<b>Time frame</b>
Quarterly inventory of malaria products at the CMS	July 2015
Regular meeting of the technical coordination committee on malaria supply chain management	July and August 2015
Launch the SMC mass campaign	August 2015
Acquire endorsement of the malaria technical supply chain committee by the Ministry of Health	May 2015
Coordinate SMC activities related to supply chain	April–June 2015
Revise malaria product quantification	August–Sept 2015

## QUARTERLY TRAVEL PLAN

Sites visits and coaching is to take place in several Niger regions—August–September 2015. These site visits are to get an overview of how malaria commodities and logistics information are managed at the peripheral level and provide coaching to staff on stock inventory management, where needed. Also, the SIAPS supply chain advisor will supervise the distribution of the SMC commodities.

## ANNEX A. MALARIA COMMODITIES STATUS ON APRIL 8, 2015

Designation	Unit Of Measurement	Stock at the end of March 2015 (stock in treatment or test)	Estimated monthly consumption (in treatment or test)	Months of stock
Artésunate + amodiaquine tablet 25/67,5 mg Tab/3	TTT	29,700	8,419	3.5
Artésunate + amodiaquine tablet 50/135 mg Tab/3	TTT	13,300	23,502	0.6
Artésunate + amodiaquine tablet 100/270 mg Tab/3	TTT	—	13,743	0.0
Artésunate + amodiaquine tablet 100/270 mg Tab/6	TTT	37,200	17,419	2.1
Arthémeter + luméfantrine tablet 20/120 mg Tab/6	TTT	97,740	88,084	1.1
Arthémeter + luméfantrine tablet 20/120 mg Tab/12	TTT	4,170	27,090	0.2
Arthémeter + luméfantrine tablet 20/120 mg Tab/18	TTT	5,100	10,307	0.5
Arthémeter + luméfantrine tablet 20/120 mg Tab/24	TTT	4,320	26,129	0.2
SP-AQ coformulate 150/525 mg Tab/3	TTT	23,600	NA	NA
Test de Diagnostic Rapide (TDR)	TEST	1,002,450	252,630	4.0

NA—not yet available

## ANNEX B. MALARIA DISTRIBUTION TOOL BASED ON 2014 MORBIDITY DATA BY DISTRICT

### GESTION DES STOCKS DES ACT & AUTRES INTRANTS DE LUTTE CONTRE LE PALUDISME

Régions / Districts	MEDICAMENTS ET TESTS (nécessaires pour l'année) - 2015																
	TDR Bandelettes	DIHYDRO ARTEMISIN PIPERAQUINE - DHA	Sulfadoxine Pyriméthamine	ASQAQ 25/67,5mg Tab/3	ASQAQ 50/135mg Tab/3	ASQAQ 100/270mg Tab/3	ASQAQ 100/270mg Tab/6	AL Tab/6 (< 5 ans)	AL Tab/12 (5-9 ans)	AL Tab/18 (10-14 ans)	AL Tab/24 (Adulte)	AQ+SP (75/262mg)	AQ+SP (150/525 mg)	Artesunate 60 mg INJ	Quinine (Amp. Inj.) 200 mg	Quinine (Amp. Inj.) 400 mg	
	Tests			0-11 mois	1-5 ans	6-14 ans	> 14 ans	0-11 mois et 15 ans	6-14 ans		> 14 ans						
<b>DONNEES 2014</b>	2,999,804																
				16.8%	46.9%	16.0%	20.3%	63.7%	8.0%	8.0%	20.3%						
<b>BESOINS ANNUELS</b>	3,031,563			138,530	386,730	131,934	167,226	787,891	98,950	98,950	250,839						
<b>STOCK REGULATEUR (PNLP) 10%</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>QUANTITES A REPARTIR (Districts sanitaires)</b>	3,031,563	-	-	138,530	386,730	131,934	167,226	787,891	98,950	98,950	250,839	-	-	-	-	-	-
<b>QUANTITES A REPARTIR (Districts sanitaires) EN AVRIL - JUIN</b>	1,212,625	-	-	55,412	154,692	52,773	66,890	315,156	39,580	39,580	100,336	-	-	-	0	0	
<b>QUANTITES A REPARTIR (Districts sanitaires) EN JUIL - SEPT</b>	606,313	-	-	27,706	77,346	26,387	33,445	157,578	19,790	19,790	50,168	-	-	-	0	0	
<b>QUANTITES A REPARTIR (Districts sanitaires) EN OCT - DEC</b>	606,313	-	-	27,706	77,346	26,387	33,445	157,578	19,790	19,790	50,168	-	-	-	0	0	
<b>QUANTITES A REPARTIR (Districts sanitaires) EN JANV - MARS</b>	606,313	-	-	27,706	77,346	26,387	33,445	157,578	19,790	19,790	50,168	-	-	-	0	0	
	72,758																

  

Régions / Districts	MEDICAMENTS ET TESTS DISPONIBLES FIN AVRIL - ESTIMATIONS DES BESOINS ( JUILLET - SEPTEMBRE)																
	TDR Bandelettes	DIHYDRO ARTEMISIN PIPERAQUINE - DHA	Sulfadoxine Pyriméthamine	ASQAQ 25/67,5mg Tab/3	ASQAQ 50/135mg Tab/3	ASQAQ 100/270mg Tab/3	ASQAQ 100/270mg Tab/6	AL Tab/6 (< 5 ans)	AL Tab/12 (5-9 ans)	AL Tab/18 (10-14 ans)	AL Tab/24 (Adulte)	AQ+SP (75/262mg)	AQ+SP (150/525 mg)	Artesunate 60 mg INJ	Quinine (Amp. Inj.) 200 mg	Quinine (Amp. Inj.) 400 mg	
	TESTS	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT	TTT				
<b>QUANTITES TOTALES</b>	1,212,625			55,412	154,692	52,773	66,890	315,156	39,580	39,580	100,336						
<b>QUANTITES A REPARTIR (Districts sanitaires)</b>	1,515,782	-	-	69,265	193,365	65,967	83,613	393,946	49,475	49,475	125,419	0	0		0	0	
				40,409	112,809	65,967	83,613	503,358	49,475	49,475	125,419						

**Annex B. Malaria distribution Tool Based on 2014 Morbidity Data by District**

Régions / Districts	TDR Bandelettes	ESTIMATION DES BESOINS MEDICAMENTS ET TESTS JUILLET - SEPTEMBRE 2015 - DISTRIBUTION A FAIRE EN AVRIL - JUIN 2015														
		DIHYDRO ARTEMISIN PIPERAQUINE - DHA	Sulfadoxine Pyriméthamine	ASAQ 25/67,5mg Tab/3	ASAQ 50/135mg Tab/3	ASAQ 100/270mg Tab/3	ASAQ 100/270mg Tab/6	AL Tab/6 (< 5 ans)	AL Tab/12 (5-9 ans)	AL Tab/18 (10-14 ans)	AL Tab/24 (Adulte)	AQ+SP (75/262mg)	AQ+SP (150/525 mg)	Artesunate 60 mg INJ	Quinine (Amp. Inj.) 200 mg	Quinine (Amp. Inj.) 400 mg
				0-11 mois	1-5 ans	6-14 ans	> 14 ans	0-11 mois et 1 5 ans	6-14 ans		> 14 ans					
1 AGADEZ	11007	0	393	1096	374	474	2234	281	281	711			0	0	0	
2 ARLIT	5524	0	142	396	135	171	806	101	101	257	0	0	0	0	0	
3 BILMA	835	0	22	62	21	27	127	16	16	40	0	0	0	0	0	
4 TCHIROZERINE	2386	0	66	185	63	80	377	47	47	120	0	0	0	0	0	
Total région Agadez	19751	0	623	1739	593	752	3544	445	445	1128	0	0	0	0	0	
1 DIFFA	21410	0	1225	3420	1167	1479	6968	875	875	2219	0	0	0	0	0	
2 MAINE SOROA	12625	0	639	1784	609	771	3634	456	456	1157	0	0	0	0	0	
3 N'GUIGMI	5214	0	197	550	188	238	1120	141	141	357	0	0	0	0	0	
Total région Diffa	39249	0	2061	5754	1963	2488	11723	1472	1472	3732	0	0	0	0	0	
1 BOBOYE	29575	0	1350	3767	1285	1629	7675	964	964	2444	0	0	0	0	0	
2 DOGON-DOUTCHI	63058	0	3217	8980	3064	3883	18296	2298	2298	5825	0	0	0	0	0	
3 DOSSO	33014	0	1562	4361	1488	1886	8885	1116	1116	2829	0	0	0	0	0	
4 GAYA	26497	0	1361	3799	1296	1643	7740	972	972	2464	0	0	0	0	0	
5 LOGA	18729	0	960	2679	914	1159	5458	686	686	1738	0	0	0	0	0	
Total région Dosso	170874	0	8449	23587	8047	10199	48054	6035	6035	15299	0	0	0	0	0	
1 AGUIE	53203	0			2456	3113	24443	1842	1842	4669	0	0	0	0	0	
2 DAKORO	75489	0	3056	8533	2911	3690	17384	2183	2183	5534	0	0	0	0	0	
3 GUIDAN ROUMDJI	76871	0			1997	2532	19880	1498	1498	3798	0	0	0	0	0	
4 MADAROUNFA	102389	0			4314	5468	42936	3235	3235	8202	0	0	0	0	0	
5 MARADI COMMUNES	34154	0			1491	1890	14839	1118	1118	2835	0	0	0	0	0	
6 MAYAHI	36369	0			1731	2194	17231	1298	1298	3291	0	0	0	0	0	
7 TESSAOUA	57874	0	2676	7470	2548	3230	15219	1911	1911	4845	0	0	0	0	0	
Total région Maradi	436350	0	5732	16003	17449	22116	151933	13086	13086	33174	0	0	0	0	0	
1 NIAMEY I	26754	0	1316	3674	1253	1589	7484	940	940	2383	0	0	0	0	0	
2 NIAMEY II	22124	0	1198	3343	1141	1446	6812	855	855	2169	0	0	0	0	0	
3 NIAMEY III	16078	0	433	1210	413	523	2465	310	310	785	0	0	0	0	0	
4 NIAMEY IV	9714	0	446	1244	424	538	2534	318	318	807	0	0	0	0	0	
5 NIAMEY V	12312	0	537	1499	511	648	3054	384	384	972	0	0	0	0	0	
Total Niamey	86981	0	3930	10970	3742	4744	22349	2807	2807	7115	0	0	0	0	0	
1 ABALAK	14046	0	732	2042	697	883	4161	523	523	1325	0	0	0	0	0	
2 BIRNI N'KONNI	27329	0	1150	3211	1096	1389	6542	822	822	2083	0	0	0	0	0	
3 BOUZA	27462	0			1589	2014	15812	1192	1192	3021	0	0	0	0	0	
4 ILLELA	28949	0	1285	3588	1224	1552	7310	918	918	2327	0	0	0	0	0	
5 KEITA	31340	0	1383	3861	1317	1670	7867	988	988	2505	0	0	0	0	0	
6 MADAOUA	44738	0			2385	3023	23736	1789	1789	4534	0	0	0	0	0	
7 TAHOUA	43859	0	2076	5796	1977	2506	11809	1483	1483	3760	0	0	0	0	0	
8 TCHINTABARADEN	9539	0	306	854	291	369	1739	218	218	554	0	0	0	0	0	
Total région Tahoua	227262	0	6932	19353	10576	13405	78977	7932	7932	20107	0	0	0	0	0	
1 FILLINGUE	38472	0	1526	4260	1453	1842	8678	1090	1090	2763	0	0	0	0	0	
2 KOLLO	35356	0	1666	4651	1587	2011	9475	1190	1190	3017	0	0	0	0	0	
3 OUALLAM	41394	0	1693	4726	1612	2043	9627	1209	1209	3065	0	0	0	0	0	
4 SAY	42184	0	2056	5740	1958	2482	11694	1469	1469	3723	0	0	0	0	0	
5 TERA	34319	0	1529	4268	1456	1846	8696	1092	1092	2769	0	0	0	0	0	
6 TILLABERI	43677	0	1886	5266	1796	2277	10728	1347	1347	3416	0	0	0	0	0	
Total région Tillaberi	235401	0	10356	28910	9863	12501	58899	7397	7397	18752	0	0	0	0	0	
1 GOURE	16749	0	844	2357	804	1019	4802	603	603	1529	0	0	0	0	0	
2 MAGARIA	93065	0			3567	4521	35500	2675	2675	6781	0	0	0	0	0	
3 MATAMEYE	41218	0			1915	2427	19061	1436	1436	3641	0	0	0	0	0	
4 MIRRIAH	89677	0			4532	5745	45111	3399	3399	8617	0	0	0	0	0	
5 TANOUT	30827	0	1481	4135	1411	1788	8424	1058	1058	2682	0	0	0	0	0	
6 ZINDER COMMUNES	28377	0			1505	1908	14980	1129	1129	2862	0	0	0	0	0	
Total région Zinder	299914	0	2326	6492	13734	17408	127879	10301	10301	26112	0	0	0	0	0	
TOTAL NIGER	1515782	0	40409	112809	65967	83613	503358	49475	49475	125419	0	0	0	0	0	

*Technical Assistance to the National Malaria Control Program to Strengthen the Malaria Supply Chain in Niger*

Régions / Districts	MEDICAMENTS ET TESTS DISPONIBLE FIN JUIN 2015															
	TDR Bandelettes	DIHYDRO ARTEMISIN PIPERAQUINE - DHA	Sulfadoxine Pyriméthamine	ASAQ 25/67,5mg Tab/3	ASAQ 50/135mg Tab/3	ASAQ 100/270mg Tab/3	ASAQ 100/270mg Tab/6	AL Tab/6 (< 5 ans)	AL Tab/12 (5-9 ans)	AL Tab/18 (10-14 ans)	AL Tab/24 (Adulte)	AQ+SP (75/262mg)	AQ+SP (150/525 mg)	Artesunate 60 mg INJ	Quinine (Amp. Inj.) 200 mg	Quinine (Amp. Inj.) 400 mg
				0-11 mois	1-5 ans	6-14 ans	> 14 ans	0-11 mois et 1 5 ans	6-14 ans		> 14 ans					
QUANTITES TOTALES	606,313	-	-	27,706	77,346	26,387	33,445	157,578	19,790	19,790	50,168					
QUANTITES A REPARTIR (Districts sanitaires)	757,891	-	-	34,633	96,683	32,983	41,806	196,973	24,738	24,738	62,710	-	-	-	-	-
				20,205	56,404	32,983	41,806	251,679	24,738	24,738	62,710					

Régions / Districts	ESTIMATION DES BESOINS MEDICAMENTS ET TESTS OCT - DEC 2015 · DISTRIBUTION A FAIRE EN JUILLET · SEPT 2015															
	TDR Bandelettes	DIHYDRO ARTEMISIN PIPERAQUINE - DHA	Sulfadoxine Pyriméthamine	ASAQ 25/67,5mg Tab/3	ASAQ 50/135mg Tab/3	ASAQ 100/270mg Tab/3	ASAQ 100/270mg Tab/6	AL Tab/6 (< 5 ans)	AL Tab/12 (5-9 ans)	AL Tab/18 (10-14 ans)	AL Tab/24 (Adulte)	AQ+SP (75/262mg)	AQ+SP (150/525 mg)	Artesunate 60 mg INJ	Quinine (Amp. Inj.) 200 mg	Quinine (Amp. Inj.) 400 mg
				0-11 mois	1-5 ans	6-14 ans	> 14 ans	0-11 mois et 1 5 ans	6-14 ans		> 14 ans					
1 AGADEZ	5503	0		196	548	187	237	1117	140	140	356			0	0	0
2 ARLIT	2762	0		71	198	67	86	403	51	51	128			0	0	0
3 BILMA	418	0		11	31	11	13	64	8	8	20			0	0	0
4 TCHIROZERINE	1193	0		33	93	32	40	188	24	24	60			0	0	0
Total région Agadez	9876	0		312	870	297	376	1772	223	223	564			0	0	0
1 DIFFA	10705	0		613	1710	583	740	3484	438	438	1109			0	0	0
2 MAINE SOROA	6313	0		319	892	304	386	1817	228	228	579			0	0	0
3 N'GUIGMI	2607	0		98	275	94	119	560	70	70	178			0	0	0
Total région Diffa	19625	0		1031	2877	982	1244	5861	736	736	1866			0	0	0
1 BOBOYE	14788	0		675	1884	643	815	3838	482	482	1222			0	0	0
2 DOGON-DOUTCHI	31529	0		1608	4490	1532	1942	9148	1149	1149	2912			0	0	0
3 DOSSO	16507	0		781	2180	744	943	4442	558	558	1414			0	0	0
4 GAYA	13249	0		680	1900	648	821	3870	486	486	1232			0	0	0
5 LOGA	9364	0		480	1340	457	579	2729	343	343	869			0	0	0



*Annex B. Malaria distribution Tool Based on 2014 Morbidity Data by District*

<b>Total région Dosso</b>		<b>85437</b>	<b>0</b>		<b>4225</b>	<b>11794</b>	<b>4023</b>	<b>5100</b>	<b>24027</b>	<b>3018</b>	<b>3018</b>	<b>7649</b>			<b>0</b>	<b>0</b>	<b>0</b>
1	AGUIE	26601	0				1228	1556	12222	921	921	2335			0	0	0
2	DAKORO	37745	0		1528	4266	1455	1845	8692	1092	1092	2767			0	0	0
3	GUIDAN ROUMDJI	38436	0				999	1266	9940	749	749	1899			0	0	0
4	MADAROUNFA	51195	0				2157	2734	21468	1618	1618	4101			0	0	0
5	MARADI COMMUNES	17077	0				745	945	7420	559	559	1417			0	0	0
6	MAYAHI	18185	0				866	1097	8616	649	649	1646			0	0	0
7	TESSAOUA	28937	0		1338	3735	1274	1615	7609	956	956	2423			0	0	0
<b>Total région Maradi</b>		<b>218175</b>	<b>0</b>		<b>2866</b>	<b>8001</b>	<b>8724</b>	<b>11058</b>	<b>75966</b>	<b>6543</b>	<b>6543</b>	<b>16587</b>			<b>0</b>	<b>0</b>	<b>0</b>
1	NIAMEY I	13377	0		658	1837	627	794	3742	470	470	1191			0	0	0
2	NIAMEY II	11062	0		599	1672	570	723	3406	428	428	1084			0	0	0
3	NIAMEY III	8039	0		217	605	206	262	1233	155	155	392			0	0	0
4	NIAMEY IV	4857	0		223	622	212	269	1267	159	159	403			0	0	0
5	NIAMEY V	6156	0		268	750	256	324	1527	192	192	486			0	0	0
<b>Total Niamey</b>		<b>43491</b>	<b>0</b>		<b>1965</b>	<b>5485</b>	<b>1871</b>	<b>2372</b>	<b>11175</b>	<b>1403</b>	<b>1403</b>	<b>3558</b>			<b>0</b>	<b>0</b>	<b>0</b>
1	ABALAK	7023	0		366	1021	348	442	2080	261	261	662			0	0	0
2	BIRNI N'KONNI	13664	0		575	1606	548	694	3271	411	411	1041			0	0	0
3	BOUZA	13731	0				794	1007	7906	596	596	1510			0	0	0
4	ILLELA	14474	0		643	1794	612	776	3655	459	459	1164			0	0	0
5	KEITA	15670	0		692	1931	659	835	3933	494	494	1252			0	0	0
6	MADAOUA	22369	0				1192	1511	11868	894	894	2267			0	0	0
7	TAHOUA	21930	0		1038	2898	989	1253	5905	742	742	1880			0	0	0
8	TCHINTABARADEN	4770	0		153	427	146	185	869	109	109	277			0	0	0
<b>Total région Tahoua</b>		<b>113631</b>	<b>0</b>		<b>3466</b>	<b>9677</b>	<b>5288</b>	<b>6702</b>	<b>39489</b>	<b>3966</b>	<b>3966</b>	<b>10054</b>			<b>0</b>	<b>0</b>	<b>0</b>
1	FILLINGUE	19236	0		763	2130	727	921	4339	545	545	1381			0	0	0
2	KOLLO	17678	0		833	2325	793	1006	4738	595	595	1508			0	0	0
3	OUALLAM	20697	0		846	2363	806	1022	4814	605	605	1533			0	0	0
4	SAY	21092	0		1028	2870	979	1241	5847	734	734	1861			0	0	0
5	TERA	17159	0		765	2134	728	923	4348	546	546	1384			0	0	0
6	TILLABERI	21838	0		943	2633	898	1139	5364	674	674	1708			0	0	0
<b>Total région Tillaberi</b>		<b>117700</b>	<b>0</b>		<b>5178</b>	<b>14455</b>	<b>4931</b>	<b>6251</b>	<b>29449</b>	<b>3699</b>	<b>3699</b>	<b>9376</b>			<b>0</b>	<b>0</b>	<b>0</b>
1	GOURE	8375	0		422	1179	402	510	2401	302	302	764			0	0	0
2	MAGARIA	46532	0				1783	2260	17750	1336	1336	3391			0	0	0
3	MATAMEYE	20609	0				958	1214	9530	718	718	1821			0	0	0
4	MIRRIAH	44839	0				2266	2872	22556	1700	1700	4309			0	0	0
5	TANOUT	15414	0		741	2068	705	894	4212	529	529	1341			0	0	0
6	ZINDER COMMUNES	14188	0				753	954	7490	564	564	1431			0	0	0
<b>Total région Zinder</b>		<b>149957</b>	<b>0</b>		<b>1163</b>	<b>3246</b>	<b>6867</b>	<b>8704</b>	<b>63940</b>	<b>5150</b>	<b>5150</b>	<b>13056</b>			<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL NIGER</b>		<b>757891</b>	<b>0</b>	<b>0</b>	<b>20205</b>	<b>56404</b>	<b>32983</b>	<b>41806</b>	<b>251679</b>	<b>24738</b>	<b>24738</b>	<b>62710</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Technical Assistance to the National Malaria Control Program to Strengthen the Malaria Supply Chain in Niger*

Régions / Districts	MEDICAMENTS ET TESTS DISPONIBLE FIN SEPT 2015															
	TDR Bandelettes	DIHYDRO ARTEMISIN PIPERAQUINE - DHA	Sulfadoxine Pyriméthamine	ASQA 25/67,5mg Tab/3	ASQA 50/135mg Tab/3	ASQA 100/270mg Tab/3	ASQA 100/270mg Tab/6	AL Tab/6 (< 5 ans)	AL Tab/12 (5-9 ans)	AL Tab/18 (10-14 ans)	AL Tab/24 (Adulte)	AQ+SP (75/262mg)	AQ+SP (150/525 mg)	Artesunate 60 mg INJ	Quinine (Amp. Inj.) 200 mg	Quinine (Amp. Inj.) 400 mg
QUANTITES TOTALES	606,313	-	-	27,706	77,346	26,387	33,445	157,578	19,790	19,790	50,168					
QUANTITES A REPARTIR (Districts sanitaires)	757,891	-	-	34,633	96,683	32,983	41,806	196,973	24,738	24,738	62,710	-	-	-	-	-
				34,633	96,683	32,983	41,806	196,973	24,738	24,738	62,710					

Régions / Districts	ESTIMATION DES BESOINS MEDICAMENTS ET TESTS JANV - MARS 2015 - DISTRIBUTION A FAIRE EN OCT - DEC 2015															
	TDR Bandelettes	DIHYDRO ARTEMISIN PIPERAQUINE - DHA	Sulfadoxine Pyriméthamine	ASQA 25/67,5mg Tab/3	ASQA 50/135mg Tab/3	ASQA 100/270mg Tab/3	ASQA 100/270mg Tab/6	AL Tab/6 (< 5 ans)	AL Tab/12 (5-9 ans)	AL Tab/18 (10-14 ans)	AL Tab/24 (Adulte)	AQ+SP (75/262mg)	AQ+SP (150/525 mg)	Artesunate 60 mg INJ	Quinine (Amp. Inj.) 200 mg	Quinine (Amp. Inj.) 400 mg
1 AGADEZ	5503	0	0	196	548	187	237	1117	140	140	356			0	0	0
2 ARLIT	2762	0	0	71	198	67	86	403	51	51	128			0	0	0
3 BILMA	418	0	0	11	31	11	13	64	8	8	20			0	0	0
4 TCHIROZERINE	1193	0	0	33	93	30	40	188	24	24	60			0	0	0
Total région Agadez	9876	0	0	312	870	297	376	1772	223	223	564			0	0	0
1 DIFFA	10705	0	0	613	1710	583	740	3484	438	438	1109			0	0	0
2 MAINE SOROA	6313	0	0	319	892	304	386	1817	228	228	579			0	0	0
3 N'GUIGMI	2607	0	0	98	275	94	119	560	70	70	178			0	0	0
Total région Diffa	19625	0	0	1031	2877	982	1244	5861	736	736	1866			0	0	0
1 BOBOYE	14788	0	0	675	1884	643	815	3838	482	482	1222			0	0	0
2 DOGON-DOUTCHI	31529	0	0	1608	4490	1532	1942	9148	1149	1149	2912			0	0	0
3 DOSSO	16507	0	0	781	2180	744	943	4442	558	558	1414			0	0	0
4 GAYA	13249	0	0	680	1900	648	821	3870	486	486	1232			0	0	0
5 LOGA	9364	0	0	480	1340	457	579	2729	343	343	869			0	0	0

*Annex B. Malaria distribution Tool Based on 2014 Morbidity Data by District*

	<b>Total région Dosso</b>	85437	0		4225	11794	4023	5100	24027	3018	3018	7649			0	0	0
1	AGUIE	26601	0		1289	3599	1228	1556	7333	921	921	2335			0	0	0
2	DAKORO	37745	0		1528	4266	1455	1845	8692	1092	1092	2767			0	0	0
3	GUIDAN ROUMDJI	38436	0		1049	2927	999	1266	5964	749	749	1899			0	0	0
4	MADAROUNFA	51195	0		2265	6322	2157	2734	12881	1618	1618	4101			0	0	0
5	MARADI COMMUNES	17077	0		783	2185	745	945	4452	559	559	1417			0	0	0
6	MAYAHI	18185	0		909	2537	866	1097	5189	649	649	1646			0	0	0
7	TESSAOUA	28937	0		1338	3735	1274	1615	7609	956	956	2423			0	0	0
	<b>Total région Maradi</b>	<b>218175</b>	<b>0</b>		<b>9161</b>	<b>25573</b>	<b>8724</b>	<b>11058</b>	<b>52100</b>	<b>6543</b>	<b>6543</b>	<b>16587</b>			<b>0</b>	<b>0</b>	<b>0</b>
1	NIAMEY I	13377	0		658	1837	627	794	3742	470	470	1191			0	0	0
2	NIAMEY II	11062	0		599	1672	570	723	3406	428	428	1084			0	0	0
3	NIAMEY III	8039	0		217	605	206	262	1233	155	155	392			0	0	0
4	NIAMEY IV	4857	0		223	622	212	269	1267	159	159	403			0	0	0
5	NIAMEY V	6156	0		268	750	256	324	1527	192	192	486			0	0	0
	<b>Total Niamey</b>	<b>43491</b>	<b>0</b>		<b>1965</b>	<b>5485</b>	<b>1871</b>	<b>2372</b>	<b>11175</b>	<b>1403</b>	<b>1403</b>	<b>3558</b>			<b>0</b>	<b>0</b>	<b>0</b>
1	ABALAK	7023	0		366	1021	348	442	2080	261	261	662			0	0	0
2	BIRNI N'KONNI	13664	0		575	1606	548	694	3271	411	411	1041			0	0	0
3	BOUZA	13731	0		834	2328	794	1007	4744	596	596	1510			0	0	0
4	ILLELA	14474	0		643	1794	612	776	3655	459	459	1164			0	0	0
5	KEITA	15670	0		692	1931	659	835	3933	494	494	1252			0	0	0
6	MADAOUA	22369	0		1252	3495	1192	1511	7121	894	894	2267			0	0	0
7	TAHOUA	21930	0		1038	2898	989	1253	5905	742	742	1880			0	0	0
8	TCHINTABARADEN	4770	0		153	427	146	185	869	109	109	277			0	0	0
	<b>Total région Tahoua</b>	<b>113631</b>	<b>0</b>		<b>5552</b>	<b>15500</b>	<b>5288</b>	<b>6702</b>	<b>31579</b>	<b>3966</b>	<b>3966</b>	<b>10054</b>			<b>0</b>	<b>0</b>	<b>0</b>
1	FILLINGUE	19236	0		763	2130	727	921	4339	545	545	1381			0	0	0
2	KOLLO	17678	0		833	2325	793	1006	4738	595	595	1508			0	0	0
3	OUALLAM	20697	0		846	2363	806	1022	4814	605	605	1533			0	0	0
4	SAY	21092	0		1028	2870	979	1241	5847	734	734	1861			0	0	0
5	TERA	17159	0		765	2134	728	923	4348	546	546	1384			0	0	0
6	TILLABERI	21838	0		943	2633	898	1139	5364	674	674	1708			0	0	0
	<b>Total région Tillaberi</b>	<b>117700</b>	<b>0</b>		<b>5178</b>	<b>14455</b>	<b>4931</b>	<b>6251</b>	<b>29449</b>	<b>3699</b>	<b>3699</b>	<b>9376</b>			<b>0</b>	<b>0</b>	<b>0</b>
1	GOURE	8375	0		422	1179	402	510	2401	302	302	764			0	0	0
2	MAGARIA	46532	0		1873	5227	1783	2260	10650	1338	1338	3391			0	0	0
3	MATAMEYE	20609	0		1005	2807	958	1214	5718	718	718	1821			0	0	0
4	MIRRIAH	44839	0		2379	6643	2266	2872	13533	1700	1700	4309			0	0	0
5	TANOUT	15414	0		741	2068	705	894	4212	529	529	1341			0	0	0
6	ZINDER COMMUNES	14188	0		790	2206	753	954	4494	564	564	1431			0	0	0
	<b>Total région Zinder</b>	<b>149957</b>	<b>0</b>		<b>7210</b>	<b>20129</b>	<b>6867</b>	<b>8704</b>	<b>41009</b>	<b>5150</b>	<b>5150</b>	<b>13056</b>			<b>0</b>	<b>0</b>	<b>0</b>
	<b>TOTAL NIGER</b>	<b>757891</b>	<b>0</b>	<b>0</b>	<b>34633</b>	<b>96683</b>	<b>32983</b>	<b>41806</b>	<b>196973</b>	<b>24738</b>	<b>24738</b>	<b>62710</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

DS CPS

DISTRICTS avec la CPS