

MANAGING UNICEF SUPPLY CHAIN FOR DISTRIBUTION OF MOSQUITO NETS: CÔTE D'IVOIRE CASE STUDY



Jane Morley, Bruno Aholoukpe, Gbessi Tairou, Abdallah Makhlof, Lama Ramzi Suleiman
Malaria Prevention/ Diagnostics Unit /Health Technology Center
UNICEF- Supply Division

For more information, contact:
Name: Lama Ramzi Suleiman
E-mail: lrsuleiman@unicef.org

Mosquito net is a key prevention strategy

Introduction

This poster is showing an example of a supply chain strengthening and optimization model that was used in the 2014 mass campaign in Côte d'Ivoire.

- Malaria is the primary cause of morbidity and mortality in Cote d'Ivoire. The most vulnerable groups at risk of malaria are pregnant women and children under 5 years old. Malaria is responsible for 25 per cent of the country's under 5 mortality.

UNICEF, in collaboration with Global Fund, supports the use of Long Lasting Insecticidal Nets (LLINs) as a key malaria prevention strategy. UNICEF supported Côte d'Ivoire in the macro and micro planning the country's malaria action plan which included the distribution of 14,667,718 LLINs nationwide in 2014.

- Côte d'Ivoire's ambitious malaria prevention campaign aimed at providing one LLIN for every two people. The campaign would cover 25 million people, including 3.8 million children under five years of age.

National campaign report 2014



Methodology and findings

| Régions Sanitaires | Nombre de MILDA prévues | Nombre de MILDA distribuées | Performance de la distribution |
|-------------------------|-------------------------|-----------------------------|--------------------------------|
| ABIDJAN I GD PTS | 1 530 598 | 1 315 604 | 90% |
| ABIDJAN II | 2 172 631 | 1 877 661 | 93% |
| CAVALLY GUEMON | 856 424 | 822 417 | 96% |
| GBEKE | 710 258 | 669 803 | 94% |
| AGNEBY TIASSA ME | 845 366 | 827 395 | 98% |
| BELIER | 459 006 | 435 502 | 95% |
| GBOKLE NAWA SAN PEDRO | 1 494 761 | 1 376 062 | 92% |
| GOH | 577 157 | 551 654 | 96% |
| HAUT SASSANDRA | 1 141 240 | 1 104 085 | 97% |
| INDENIE DJUABLIN | 374 783 | 346 076 | 92% |
| KABADOUGOU FOLON BAFING | 295 205 | 288 302 | 98% |
| LOH DJIBOUA | 725 476 | 696 995 | 96% |
| SUD COMOE | 483 307 | 443 245 | 92% |
| MARAHOUÉ | 602 407 | 572 889 | 95% |
| NZIFFOU | 598 502 | 583 223 | 97% |
| TONPKI | 674 397 | 646 415 | 96% |
| HAMBOL | 282 340 | 273 714 | 97% |
| PORO TCHOLOGO | 891 780 | 875 299 | 98% |
| WORODOUGOU | 365 354 | 357 425 | 98% |
| BOUNKANI | 597 674 | 603 952 | 101% |
| TOTAL | 15 678 666 | 14 667 718 | 96% |

Tableau 9: Résultats de distribution des MILDA dans les 20 régions sanitaires en 2014
Source: National campaign report 2014

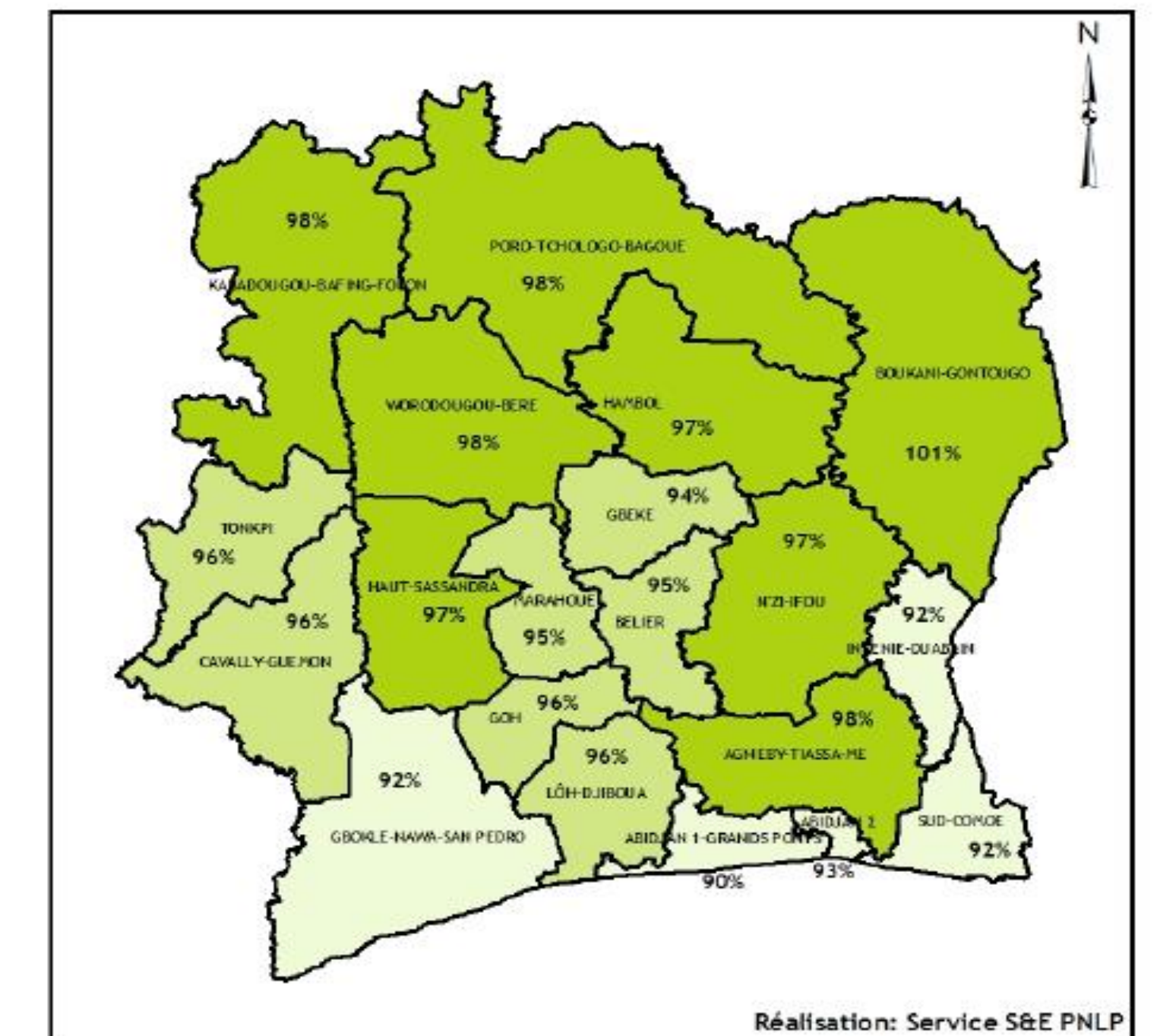
During 2014:

- 14,667,718 LLINs distributed
- 26,054,296 people were covered
- 96% distribution efficiency was achieved

The total cost of the campaign was €54.5 million and included the procurement of 495 containers used as storage at the final destination of each municipality.

UNICEF secured a total savings of \$6 million in the overall cost of the nets through supplier negotiations. The total LLIN cost was approx. \$38.8 million – an average cost of € 2.09 per person.

PERFORMANCE DE LA CAMPAGNE DE DISTRIBUTION DE MILDA PAR REGIONS SANITAIRE



Source: National campaign report 2014

Planning

In the planning phase, UNICEF and the government worked together to assess in-country capacity for customs clearance, storage and transportation of the nets to their final distribution points. Shipments also needed to be divided into 3 phases with staggered deliveries to avoid bottlenecks in the supply chain.

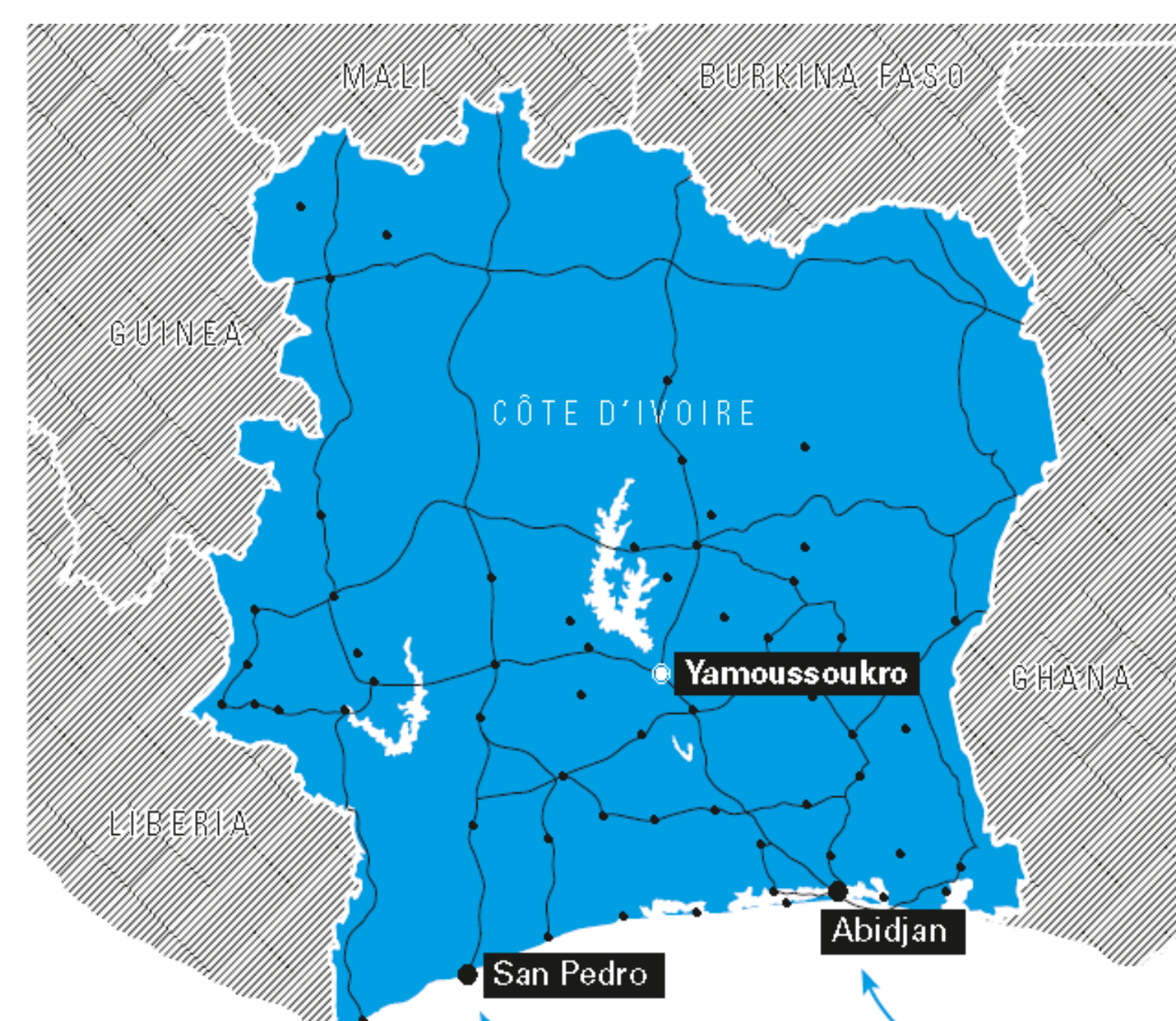


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Shipment planning was on a customized dashboard to allow real time monitoring of each segment in the supply chain.

Two entry ports, Abidjan and San-Pedro, were used to receive LLINs from 4 suppliers in Asia. UNICEF shipment planning resulted in approximately \$1.7 million cargo handling costs.

Container stuffing according to the regional distribution plan alleviated the need for cross stuffing and utilized full containers for final storage at each site. Nets were kept secure until containers were opened two days before the campaign launch.



Storage points
Major roads
▲ Map showing the two ports of entry for 13 million bed nets, and the main in-country distribution network

Source: UNICEF annual report 2014

CONCLUSIONS

Cote d'Ivoire aims to repeat the success of the 2014 LLIN campaign in their routine, as well as the next mass distribution set for 2017/2018 and cover 82 districts. UNICEF has supported planning which began last year and included the procurement of 15.77 million nets worth \$42.58 million.

Currently UNICEF Cote d'Ivoire's "Star Team" in Abidjan is receiving some 6.9 million nets in the first of five phased shipments.

