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

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Mosquito net is a key prevention strategy

Methodology and findings

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 Côte 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 of 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.

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. Shipment also needed to be divided into 3 phases with staggered deliveries to avoid bottlenecks in the supply chain.

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 496 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. $88.8 million—an average cost of € 2.09 per person.

Côte 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 Côte d’Ivoire’s “Star Team” in Abidjan is receiving some 6.9 million nets in the first of five phased shipments.

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 shipmen 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 days before the campaign launch.

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