



Assessment of the availability and the ITNs use among pregnant women and children under five at Dékanmè (Health District of Kpomassè-Benin) after six months of “tontine process”

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Introduction (1)

- The present survey enrolls in the setting of a project aiming to increase the rate of ITNs use among the target groups.
- In the locality where the project was implemented, only 12.1% of children under five slept under ITNs (**31.29%** for all the country), only 15.1% of pregnant women slept under ITNs (**28.65%** for all the country) and only 13% of households had at least one ITN (**31.78%** for all the country)

[Benin RBM Goals middle evaluation Report, Cotonou, December 2004].



Introduction (2)

- Thus, the “ITNs Tontine” is based on the basic principle of “tontine,” with the only difference being that the “pickup” is not cash, but an ITN.
- Six months after the “ITNs Tontine” implementation, We evaluate the efficacy of this community based intervention against malaria, in order to share it with the health scientists involved in the malaria control.



Objectives

- **2.2. GENERAL OBJECTIVE**

- value the availability and the ITNs use by children under five and pregnant women, at Dékanmè (Health District of Kpomassè).

- **2.3. SPECIFIC OBJECTIVES**

- To analyze the experiences and habits of ITNs use.
- To value the cover in ITNs within the households ;
- To determine the main linked factors related to the ITNs use by the target groups. (pregnant women and children of less than five years old) ;
- To document the interventions related to the project cost;
- To document the performs of the health system put in place in the setting of the prevention services access for the target groups.



Methodology (1)

2.1. TYPE OF SURVEY

- It's is a qualitative and quantitative research . It is about a transversal, descriptive and analytic type investigation by the basic communities.
- **2.2. LAND RESEARCH**
- **2.2.1. SETTING OF THE SURVEY**
- Dékanmè is located in the department of Atlantique (south of the Republic of Benin) and specially, in the district of Kpomassè.
- Dékanmè counts a total population of 8,581 habitants consisting of 4,285 men and 4,296 women. The average size of households is six members.
- From an economic view point, the main activities are agriculture, fishing, and raising livestock, transformation of agricultural products, handicraft and trade



Methodology (2)

2.2.2. POPULATION AND SAMPLE

- In this setting, two methods of sampling were used :
- The probabilistic method for the choice of the households within the ten villages;
- The unprobabilistic method for the choice of the health workers (midwife) and social workers and resource people (chiefs of villages, female group heads, NGO directors, administrative, cultural and religious leaders)

2.2.3. KEY VARIABLES OF THE SURVEY

- the number of ITNs by household;
- the number of ITNs by target groups;
- the number of ITNs by bedding unit;
- the use of the ITNs that will be verified by the fact that it is correctly suspended, not wrapped and dirty.

CHOICE OF THE DATA COLLECTION TECHNIQUES

- The data collection has been achieved on the basis of observation, questionnaire, interview and focus group:



Results of the survey

- 83,2% of households have at least a child of less than five years and ITNs are well known in the community.
- 86,8% of households use effectively ITNs during the rainy seasons to protect themselves against mosquito bite.
- ITNs are available to 76,8% of households .79,9% of these ITNs are newly impregnated.
- 90,5% of households have effectively hang their ITNs from bed.
- 60,9 % of households have only one ITN, in spite of the multiplicity of sources of provision.
- Only 41,4% of households use effectively ITNs during all the year.



Conclusion and Acknowledgements

- The project permitted to increase the ITNs availability in households from 13% to 48,6%. This cover clarifies the fact that the pregnant women and children under 5 years mothers adhered to the “ITNs tontine process”
- . The analysis of the ITNs use determinants reveals that t the climatic conditions (the heat) is a major constraint.
- the “ITNs Tontine” appears like one of those best way for promoting ITNs availability in the community.
- ITNs availability doesn't imply its use. It depends on sensitization.

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