

LLINs for out-door sleeping

Demuria

Netprotect A

Lessons from southern Sudan where nomads sleep in canvas like “demuria” tents





UNICEF and OXFAM found that large scale (500,000) LLIN distributions in south Sudan failed badly in 2001. Misuse rates over 90%.

They approached RBM/WHO complex emergencies team for support.

RBM Partnership to develop and evaluate new ITN designs

- **RBM CE, EMRO, Vestergaard & Oxfam**
- **3 ITN designs same colour as dumuria - off white**
- **1: 100% polyester (close mesh)**
- **2: polyester/cotton with PermaNet on the outside**
- **3 - a mesh PermaNet**

Evidence – change in practice

- **Oxfam conducted a distribution of the new Demuria LLINs and conducted an acceptance/usage survey for RBM CE:**
- **1594 households in 3 Nuer communities received 2 ITNs each.**
- **Prototype 1& 2, prototype 1& mesh, prototype 2 & mesh.**
- **95% preferred Prototype 1 - the 100% polyester LLIN that looks just like the nomads home made tent.**
- **> 90% of the households**
- **100% knock down on samples tested after 18 months field use.**
- **Demuria now used in NE Kenya for Somali nomads and being studied with MoH and MENTOR.**

Adapting LLINs to the needs for forest workers



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- especially adapted to non-permanent sleeping places;
- easy to suspend in two points, easy to push away in day time.
- Lower part with double layer.