



Télécoms Sans Frontières
Communications for life

Mae Sot in Thailand - ICT to fight malaria for Myanmar refugees 2008 – 2011

Project chronology

March 2009

TSF develops the first version of the application and the system was first established at the Wang Pha Clinic.

March 2009 to June 2010

TSF continues to improve the application and launches new versions

April 2009

TSF inaugurates the project at Maela refugees' camp.

June 2010

The system was installed at Maw Ker Thai clinic.

August 2010

New version 1.6.9 in two clinics.

Objective 2011

First quarter

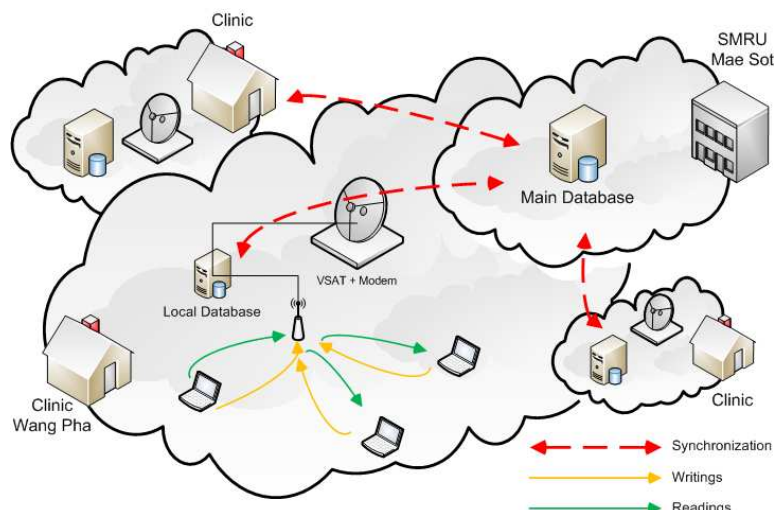
SMRU only to rely on application and to drop paper recording.

Expand the system to currently unserved clinics

Background

Malaria kills over one million people each year. The situation is acute along the Myanmar-Thai border, where the treatment-resistant parasites are taking hold. TSF is empowering health care workers treating thousands of Burmese refugees and Thai patients, with special attention accorded to pregnant women and children.

TSF has already computerized the systems of the clinics. Previously, all patient data was recorded and stored on paper. A computerized data base now allows easier access to data and helps health care workers save time and avoid transmission errors.



The SMRU
installation system



An open-ended application program for a long lasting project and a better autonomy of the SMRU

TSF adapts its response to the daily and intensive use of the application by the medical teams and their requests for the integration of new functionalities.

**Evolution in the application
Version 1**

- Web base application
- Computerization of 13 forms for Antenatal Care (ANC)
- Patients data recording
- Computerization of Lab. formularies
- Access control settings
- Right access settings according to the role of each people and different departments in the clinics

Version 1.5

- Improvement of recording papers
- Patient flow calculation
- Identification of different medical department implied
- Correction of the bugs of version 1.

Version 1.6

- Ergonomics improvements on the application

Version 1.6.1

- Adding functionality
- Interface improvement
- Preparation of database change requests

Version 1.6.9

- Parameter changes for estimate fetal age
- Interface improvement

The system put in place by TSF enables SMRU to rely on the latest technology and the same facilities as in a modern hospital in a developed country. It enables real-time data access of patient information by doctors in the clinics and in the field therefore enabling monitoring of viruses and faster results.

In March 2009, after developing the first version of the application, the system was first established at the Wang Pha clinic. Then the SMRU personnel were trained to the use of the computerized system. Thanks to the trainings and continuous technical support provided by TSF, the SMRU's staff acquired the skills and know-how required to use and manage the work on the application.

In collaboration with the SMRU, TSF has modified the version 1 to 1.6 and recently to 1.6.9.

The new version 1.6.9 was set up in two clinics WangPha and Mawker Thai. We have been getting staff familiar to use computers and follow the process carefully.

The transition from papers to computers needs a reorganization of the clinics and personnel. TSF expects to drop paper recording from the first quarter 2011.

The application and the operating system still need to be improved (e.g.: Windows 97 to Vista 7), TSF works permanently to minimize the risks.

Next steps:

- Create an information management system for currently unserved clinics.
- Improve technical training of health car workers.
- Expand the system to better meet the needs of growing refugee populations.

Patients follow up

