



Lao People's Democratic Republic
Peace Independence Democracy Unity Prosperity

Report of

Mobile Health Care in Remote Area

Dental, E.N.T and Eye Diseases

Serving the Provinces of:
Oudomxay, Phongsaly and LuangNamtha
LAO P.D.R.

15-23 September, 2009

A Cooperation between:

Oudomxay Hospital

Foundation for Assisting the Poor People of Lao PDR (FAPPL)

Lao Rehabilitation Foundation (LRF)

Women for World Health (WFWH)



WOMEN FOR WORLD HEALTH



**The Fred Hollows
Foundation**

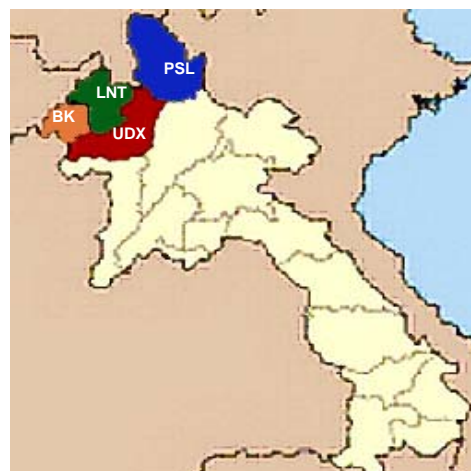
I. BACKGROUND INFORMATION

1. Provinces

The three Northern provinces of Phongsaly, Luang Namtha and Oudomxay are 85% high mountain regions. With a population of 576,436, many people are poor and live in remote area. They subsist mainly on agriculture, and have only limited access to healthcare, particularly eye, E.N.T. and dental care.



Map of Laos



Map of 4 Northern Provinces

The public health system consists of 3 provincial hospitals, 19 district hospitals, and 100 health centers as follows:

Provinces	Population	No. Provincial hospital	No. District hospital	No. Health center
Phongsaly	165,947	1	7	24
LuangNamtha	145,310	1	5	37
Oudomxay	265,179	1	7	39
Total	576,436	3	19	100

The mobile health care service in remote area, treating eye, ENT and dental diseases is a good cooperation between Oudomxay and Luang Namtha Hospitals, Foundation for Assisting Poor People of Lao PDR (FAPLP), Lao Rehabilitation Foundation (LRF), Women for World Health (WFWH) and Fred Hollows Foundation (FHF). This large mission addresses needs in three specialties, ophthalmology, dental and ENT. It includes expert doctors, nurses and assistants as well as modern equipment to examine patients while providing medicine of good quality for treatment.

II. OBJECTIVE

1. General Objective

- Decrease the prevalence of blindness, deafness and cavitas dentis in 4 Northern provinces of Lao PDR.
- Broaden the coverage of health care services to people in remote areas, ethnic minority groups and the urban poor.

- Provide experience in new surgical techniques and new means of diagnostic examination in good cooperation between US doctors and Lao team.

2. Specific Objective

- Treat the main cause of blindness with cataract surgery.
- Treat and prevent the main cause of deafness, otitis media.
- Treat and prevent cavitas dentis with primary dentis, clean calciferous and prevention the 6th teeth stable.
- Provide health education for primary eye, dental and ENT care.

III. TREATMENT GOAL

- Treat all patients with eye, dental and ENT diseases with a total target of 2,200 patients as follows:

District	Province	Target No. patients	Remark
Khoua	Phongsaly	600	Target Cataract Operations: 60 cases
Namor	Oudomxay	500	
Viengphoukha	LuangNamtha	500	
Donmay health center	LuangNamtha	350	
Ban Nam Yang	LuangNamtha	250	
Total		2,200	

- Service all patients, with no regard to gender, age, ethnic background or religion.
- Service all patients free of charge.

IV. LOCATIONS AND DATES OF SERVICE

- Locations:
 - o 3 districts hospital of 3 provinces.
 - o 1 health center
 - o 1 village
 - o part time at a provincial hospital
- Dates of service:
 - o September 15-23, 2009.
(9 days, including travel.)

Location	Date
Khoua district hospital of Phongsaly province	Sept 16
Namor district hospital of Oudomxay province	Sept 18
Viengphoukha district hospital of LuangNamtha province	Sept 20
Ban Donmay health center, Viengphoukha district, LunagNamtha province	Sept 21
Ban Nam Yang (Akha village), LuangNamtha province	Sept 22
LuangNamtha provincial hospital	Sept 23



At Donmai Health Center



At NamYang (Akha) Village

V. TECHNICAL ACTIVITY

1. Preparation

- FAPLP informs ministry of Foreign Affairs, Ministry of Health, and Provincial Department of Public Health.
- Provincial Department of Public Health informs the district hospitals, health care centers and villages. Provide the time and location of health care to villagers.
- Contact officers of district hospital to prepare for local service and join forces with the mobile team.
- Meet the head of districts (if possible) and inform them of our purpose. Ask for cooperation to inform the people of the districts.

2. Team Work

A total of 22 participants to include:



Lao Team (10+6):

– 2 Ophthalmologists



Phetsamone Indara, MD.



Houmphann Bounsavat, MD.

– 2 Dentists



Korakan Keochantha, MD.



Phetlamphan Onlavong, MD.

– 1 E.N.T doctor



Sengdeuan, MD.

– **2 Ophthalmic nurses**



Kinkeo Vivanh, O.N



Suliyo Setsongkham, O.N

– **2 Nurses assistance**



Niphone Thompadith, Nurse



Khampheng Phimmachan, Nurse

– **1 Assistant chief of Lao team**



Sivilay Keoduangchan

– **6 District staffs**



USA team (6):

– **President of LRF**



Dr. Luc Janssens

Coordinator



Sasithone Sengchanh

– **Ophthalmologist**



Sara Jones Gomberg, MD.

Dentist



Ian Zlotolow, DMD, Prosthetics

– **E.N.T doctor**



Anna Meyer, MD.

Nurse practitioner



Merina Keoviengkhone



Japaness Volunteers (3):



Ayano Suzuki



Etsuko Ueno



Miho Noda



Thai Volunteers (1):



Yupaporn Olarikapun
Addvanced Practice Nurse (APN)

3. Medical Services

- Team to divide into three teams for examination and treatment of patients:



The patients are waiting to register and be examined for E.N.T, Dental and Eye diseases In Namor district, Oudomxay province

3.1 ENT Team (2 doctors, 3 nurses)

- Examine E.N.T for otitis medium treatment; remove discharge or foreign body from ear and provide myringotomy surgery.



E.N.T examine and service

3.2 Eye Team (3 ophthalmologists, 3 nurses)

Examine visual acuity, external and anterior segment of the eye, and operate on cataracts and other eye diseases.



Eye examined



Cataract case (Right Eye)



*Pre-operate cataract
Anesthesia Blocked Eye*



Intra-operating cataract



Postoperated cataract 1st day



Screening Trachoma for Khamu and Akha ethnic children

3.3 Dental Team (3 dentists, 3 nurses)

- Examination and extraction of teeth
- Cavity treatment
- Clean calciferous
- prevention the stable teeth No. 16th



Dental examination and treatment



Mobile Dental X-Ray

- Health education (Primary eye, dental and ENT care).



Doctor advises patients how to take medicines and how to take care by themselves for post-operated cases



Dentists advise children how to clean teeth using toothbrush

4. Provide experience and teaching

- How to use new modern medical equipment.
- New surgical techniques and diagnostic examination



Dr. Luc Janssens is teaching dentists how to use new Dent X-Ray Eva Digital Imaging Sensor and Mini Wireless X-Ray Camera



Dr. Anna Meyer, MD. is teaching ENT doctor, Sengdeuan, MD. about ENT diseases



Dr. Anna Meyer, MD. is teaching Sengdeuan, MD. How to perform a myringotomy using microscope



Sengdeuan, MD. Is practicing ear surgery using microscope

5. Others Activities



Blind musician with blind singer are singing a song on the mobile health care at NamYang village and have someone collecting money to help blind singer



Dr. Luc Janssens President of LRF takes care of Bounpheng (maimed leg and blind) to move in Akha village

Dr. Luc Janssens helped a poor patient who had been found with Tibia and Fibula fractured by accident over a year ago. Lao Rehabilitation Foundation provided funds for travel to Vientiane, accommodation and cost of treatment at Mittaphab hospital.



*Mr. Manxay 22 years old
Phoulai Tai Village,
Viengkhoukha district,
Luang Namtha province*



*The scar below the
knee*



*Film X-Ray Tibia and
Fibula fractured
(Front & Beside)*

VI. Provide lecture and case discussion at Luang Namtha provincial hospital.



*Present the activities, result and
outcome of the mobile health care
service in meeting room of
Luang Namtha provincial hospital*



*Director of LNT provincial hospital, Dr.
Ounheuan Phoutsavat giving Thank
You letter to team work for mobile
health care service*

VII. Result

Patients registered, examined and treated:

Locations	Population	Target/case	Registered	Examined and treated
Khoua district	26,288	600	1,040	1,031
Namor district	35,238	500	1,761	1,761
Vieng Phoukha district	16,734	500	772	772
Donmai health center	934	350	377	322
Nam Yang village	616	250	251	251
TOTAL	78,810	2,200	4,201	4,137

E.N.T.: 1,583 cases

– Operated myringotomy surgery 5 cases

Dental: 1,488 cases

Eye: 1,066 cases

– Operated 63 cases (Cataract surgery 46 cases)

VIII. Expense

The total expense of **54,615 USD**, funded by Lao Rehabilitation Foundation, Inc. and Women for World Health organization, includes:

No	Item	Amount (USD)
1	Equipments purchased in and brought from USA	22,650
2	Medicine purchased in and brought from USA	5,664
3	Equipment purchased in Laos	3,446
4	Medicine purchased in Laos	3,166
5	Transport of equipment and medicine	1,000
6	Transport & Accommodation of US team	11,800
7	Per diem for Lao team	834
8	Food and lodging for Lao team and volunteers	2,200
9	Drinking	500
10	Fuel (Gasoline) for generator	150
11	Rental of a van and a truck	1,170
13	Banner 1mx3m (2)	55
14	T-shirt with printed Logo (30)	180
15	Treatment for Lao poor patients (other diseases)	800
16	Other	1,000
	TOTAL	54,615

(Expense detail at attach files)

V. Outcome

- It is positive that we have helped poor patients in remote areas of Oudomxay, Phongsaly and Luang Namtha provinces who had been waiting long for E.N.T., dental or eye treatment.
- The actual number of patients significantly exceeded our target.
- We have impacted health care development for vision, E.N.T and dental care in remote areas although much remains to be done.
- The Lao team had an opportunity to learn new techniques from USA doctor for ear, oral and eye surgeries.
- Very good cooperation between Oudomxay, LuangNamtha hospital and Lao Rehabilitation Foundation.
- Medical equipments and some medicines after finished mobile service the FHF had donated to Oudomxay Provincial Hospital.

VII. Some problems

- The expense was greater than budgeted (medicine and Lao team expenses).
- A shortage of doctors to care for such a large population.
- Take a lot of time for transportation
- High increase from targeted to actual cases
- Insufficient time to cover the needs of all patients.
- Insufficient participation of district hospital's staff to register the patients.

VIII. Next plan location to mobile service in 2010 (under consideration)

- Houn district (UDX)
- Beng district (UDX)
- Or Bokeo province

IX. Request

- To provincial public health department, to continue providing administrative and logistical support for mobile team when going to remote areas.
- To Ngo, especially Lao Rehabilitation Foundation, Inc. to continue cooperation and support with funds, medicine and equipment for mobile team to service patients in remote areas.

Director of Oudomxay Provincial Hospital



ດຣ. ດ້ວງ ເກດເຮືອງສີ
Dr. Douang KETHUANGSY

Presenter

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