

**Lao People's Democratic Republic  
Peace Independence Democracy Unity Prosperity**

Oudomxay Provincial Health Department  
Provincial Hospital  
Lao Rehabilitation Foundation Project

No. **496** /PH  
Oudomxay, Date. **1.2.MAR.2018**

# **Report of Mobile Health Care**

**For Dental, Ear Nose and Throat, Eye Diseases,  
Expectant Mothers and Pediatric Services in Remote  
Area, at the NamHeng and TangKok Health Centers  
of Xay District in Oudomxay Province, Lao PDR.**



**Oudomxay Provincial Hospital Team  
in cooperation with  
Lao Rehabilitation Foundation**

**Supported by Lao Rehabilitation Foundation, Inc. USA**

**Dear / To:** Director of Oudomxay Provincial Public Health Department  
Director of Oudomxay Provincial Hospital  
President of Lao Rehabilitation Foundation, Inc. USA.

**Subject:** Results of Mobile Health Care for Dental, Ear Nose and Throat, Eye Diseases, Expectant Mothers and Pediatric Services in Remote Area, at NamHeng and TangKokHealth Centers in Xay district.

- Refer to agreement letter of Oudomxay provincial hospital, No 209 of Feb 02, 2018.
- Refer to LRF 2018 planning of mobile health care in remote areas.

A team of Oudomxay provincial hospital in cooperation with Lao Rehabilitation Foundation provided health care for dental, ear nose and throat, eye diseases, examined expectant mothers and treated pediatric diseases at NamHeng and Tangkok health centers in Xay district of Oudomxay province for 4 days, February 08 to 11, 2018. The team serviced all patients free of charge, with the support of Lao Rehabilitation Foundation (LRF) in association with Fred Hollows Foundation (FHF). The details are as follows:

## **I. TITLE**

Mobile Health Care for Dental, Ear Nose and Throat, Eye Diseases, Expectant Mothers and Pediatric Services in the Remote Area of Xay district.

## **II. BACKGROUND INFORMATION**

NamHeng and Tangkok are two of the 7 health center of Xay district, it covers 17 villages with a catchment population of 7,612 that include Khmou 90% and Hmong 10%. 98% of the land is in high mountains. The centers are located at remote areas and are accessible by dirt road.

The main activities of the health centers are disease prevention, health education, vaccine injections, dispensing vitamin A and parasite medication, providing basic treatment and referring difficult cases to the district hospitals. Unfortunately, doctors and diagnostic equipment are severely limited.

This was LRF's eighth mobile health care mission at health center level.

## **III. OBJECTIVE**

- Decrease the prevalence of blindness, deafness, dental cavities and the maternal-infant mortality rate.
- Broaden the coverage of health services for people in remote areas, ethnic minority groups and the urban poor.
- Provide human resource development for the health center staff by a donation of medical equipment and training.
- Provide health care development for the health centers by a donation of medical equipment and training.

## **IV. LOCATION AND DURATION**

Serviced for 04 days (February 08-11, 2018):

- At NamHeng health center: February 08-09, 2018
- At TangKok health center: February 10-11, 2018

## VI. TEAM WORK

The team work of 12 persons included:

### **Oudomxay Hospital (5):**

- Dr. Phetsamone Indara Ophthalmologist
- Dr. Soulimala VongPachit Dentist
- Dr. Anousone Vongmyxay Dentist
- Dr. Oudomphong Taibouavone Pediatrician
- Mr. Khamtan Phathou Amad Ophthalmic Nurse

### **Nga District Hospital (1):**

- Dr. Phengdy Khamkeomany Obstetric Doctor (ultrasound)

### **Nasal Health Center (4):**

- 4 Local Staff Nurses

### **LRF Team (2):**

- Dr. Luc Janssens President of LRF
- Ms. Sasithone Sengchanh Coordinator

## VII. INSTRUMENTS AND MEDICINE

This mission was performed with the use of quality manual and automated equipment intended for mobile healthcare and effective medicines for treatment. This included:

1. Instruments and medicine for dental services
2. Instruments and medicine for ENT services
3. Instruments and medicine for eye services
4. Instruments and medicine for expectant mothers services
5. Instruments and medicine for pediatric services
6. School supplies, toothpaste and toothbrushes for students

## X. ACTIVITIES PERFORMED AND RESULTS

Services were provided in 6 main activities, for a total of 739 cases (female: 279 or 37.75%) were treated free of charge without regard to gender, age, ethnicity or religion. Services included:

| No | Examination & Treatment      | Qty.       |            |
|----|------------------------------|------------|------------|
|    |                              | Total      | Female     |
| 1  | ENT                          | 120        | 39         |
| 2  | Dental                       | 116        | 44         |
| 3  | Eye                          | 215        | 65         |
| 4  | Expectant mother             | 28         | 28         |
| 5  | Pediatric (infant and child) | 110        | 37         |
| 6  | Children of Primary School   | 150        | 66         |
|    | <b>Total</b>                 | <b>739</b> | <b>279</b> |

#### 4. District Hospital Development Activities Performed

LRF provided medical equipment to NamHeng and Tangkok health centers, it included:

| No | Description                      | Unit | Qty. | Remark |
|----|----------------------------------|------|------|--------|
| 01 | Delivery set                     | Set  | 2    | New    |
| 02 | Small surgery set                | Set  | 2    | New    |
| 03 | Blood pressure+stetoscope        | Set  | 2    | New    |
| 04 | Blood pressure+stetoscope (auto) | Set  | 2    | New    |
| 05 | Temperature (digital)            | pcs  | 2    | New    |
| 06 | Fetal Doppler                    | set  | 2    | New    |
| 07 | Nebulizer                        | set  | 2    | New    |
| 08 | Head light                       | Pcs  | 2    | New    |
| 09 | Pulse Oxymeter                   | Pcs  | 2    | New    |
| 10 | Autoclave                        | Set  | 2    | New    |
| 11 | Weight scale (enfant)            | Pcs  | 2    | New    |
| 12 | Resuscilator                     | Set  | 2    | New    |

LRF, Dr. Luc Janssens also provided training in the use and maintenance of the donated equipment.

#### VIII. BUDGET AND EXPENDITURE

The total anticipated budget: 16,596 USD.

The total actual expenditure: 13,488 USD.

The actual expenditure included:

| No | Item  | Amount (USD)  |
|----|---|---------------|
| 1  | Medical equipment brought from USA          | 1,300         |
| 2  | Medical equipment provided to HCs           | 2,400         |
| 3  | Transport of medicine and medical equipment | 1,200         |
| 4  | Medicine from Laos                          | 2,367         |
| 5  | Transport & Accommodation of US team        | 4,580         |
| 6  | Perdiem and accomodation of Lao team        | 604           |
| 7  | Preparing mission                           | 179           |
| 8  | Eye care                                    | 764           |
| 9  | Student at PS care                          | 95            |
|    | <b>TOTAL</b>                                | <b>13,488</b> |

**Note:** The instruments, medicine and supplies for eye service were provided by Fred Hollows Foundation, Australia.

**IX. ACCOMPLISHMENTS, WEAKNESSES AND RECOMMENDATIONS**

**1. Accomplishments**

- Poor patients who otherwise would not have access to healthcare in remote areas have received treatment.
- We contributed to the prevention of ear and dental diseases; we restored or improved visual ability and helped decreasing infant and maternal mortality.
- We have improved the sustainability of health care at health centers by providing basic and modern medical equipment to NamHeng and Tangkok health centers.

**2. Weaknesses**

- This mission did not provide internal medicine for adult services which is needed for patient at these remote areas.
- The number of dental and pediatric patients serviced was below target.
  - Insufficient advertising
  - No company to service

**X. NEXT MISSION PLANNING**

- Provide mobile health care for dental care and eye care in 4 district hospital in Xayabury at the beginning of June 2018. (Under consideration)

Director of Oudomxay  
Provincial PoH



ດຣ. ບຸນລຽນ ວົງປະສິດ

Dr. BounLian VONGPASITH

Director of Oudomxay  
Provincial Hospital



ດຣ. ຄຳພັນ ໄຊຍະວົງ

Dr. Khamphan XAYAVONG

Reporter

ດຣ.ເພັດສະຫວັນ ອິນດາລາ  
Phetsamone INDARA MD.

## **ATTACHMENT DOCUMENTS**

1. Photo of Activities
2. Teamwork
3. List of Donated Medical Equipment
4. List of Information and Approval Letters
5. List of Expenditures