

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

Oudomxay Provincial Department of Public Health
Oudomxay Provincial Hospital

Oudomxay, October 31, 2013

Report of Mobile Health Care

**For Dental, Ear Nose and Throat, Eye Diseases,
Expectant Mothers and Pediatric Services in the
Remote Area of**

**Chom-Ong Health Center
Xay District of Oudomxay Province, Lao PDR.**

October 01, 2013



Supported by Lao Rehabilitation Foundation



**To: Director of Oudomxay Provincial Public Health Department
President of Lao Rehabilitation Foundation**

**Subject: Mobile Health Care for Dental, Ear Nose and Throat, Eye Diseases,
Expectant Mothers and Pediatric Services in the Remote Area of Chom-
Ong Health Center.**

- Referred to the planning of mobile health care in remote area in 2013.
- Referred to the funding agreement by Lao Rehabilitation Foundation, Inc. to support mobile health care in remote area.
- Referred to the approval document of Oudomxay provincial hospital No. 3485, on the date 24 September 2013.

The Oudomxay provincial hospital team in cooperation with Lao Rehabilitation Foundation has provided health care for dental, ear nose and throat, eye diseases, examine expectant mother and treat pediatric diseases at Chom-Ong health center in Xay district of Oudomxay province on the 1st of October 2013. The team serviced all patients free of charge, with the support of Lao Rehabilitation Foundation. The details are as follows:

I. BACKGROUND INFORMATION

Chom-Ong is a health care center of Xay district that covers 5 villages. The population is 2,512, Kamhou minority. There are 1 secondary school and 5 primary schools. 100% of the land is of high mountains, located at a distance of 46 km from Oudomxay city by difficult dirt road.

The center is staffed by 3 nurses. Their main activity is to provide disease prevention services and health education including vaccine injections, distribution of vitamin A and parasite medication. They provide basic treatment and refer difficult cases to the provincial hospital.



There are no doctors and diagnostic equipment is severely limited. With inadequate access to health care, it is difficult for mothers to diagnose diseases and follow through with the proper treatment.

This is the first mission to provide health care at a remote health center by mobile team of Oudomxay hospital with the cooperation of LRF.

II. OBJECTIVE

- Decrease the prevalence of blindness, deafness, cavitas dentis and the maternal-infant mortality rate.
- Broaden the coverage of health services for people in remote areas, ethnic minority groups and the urban poor.
- Human resource development for the nurses of the health center by providing some medical instrument to the center.

III. LOCATION AND DURATION

- At Chom-Ong Health Center, Xay district of Oudomxay province. The meeting room of the village was used to provide service.
- Serviced for 01 day (October 01, 2013)

V. TEAMWORK

The teamwork of 14 persons included:

Oudomxay Hospital (12):

- | | |
|-----------------------------|----|
| - Ophthalmologist | 01 |
| - Dentists | 02 |
| - Pediatrician | 01 |
| - Gynecologist (ultrasound) | 01 |
| - Ophthalmic nurses | 02 |
| - Nurse assistants | 02 |
| - Local staff | 03 |

US Team (02)

- | | |
|--------------------|----|
| - President of LRF | 01 |
| - Coordinator | 01 |



Teamwork at home stay, having dinner jointly with villagers

VI. 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 includes:

1. Instruments and medicine for dental services.
2. Instruments and medicine for eye services.
3. Instruments and medicine for expectant mother services.
4. Instruments and medicine for pediatric services.

(Detail on attaches files)

VII. ACTIVITIES PERFORMED

Provided 6 main activities:

1. Examined and treated dental diseases
 - Tooth extraction.
 - Treat cavities.
 - Health education
2. Examined and treated E.N.T disease
 - Treat otitis media.
 - Remove foreign body from E.N.T.
3. Examined and treated eye disease
 - Vision test by E-Chart or Snellen Chart.
 - Diagnosis with medicinal treatment of some eye diseases.
 - Referred cataract cases to Oudomxay Eye Unit to do surgery with IOL implant.
 - Refractive serviced with glasses provided for presbyopia.

4. Examined expectant mothers
 - General examination.
 - Examined fetus by Echography.
 - Health education.
5. Examined infants and children
 - General pediatric examination.
 - Diagnosed infectious diseases and provided medicinal treatment.
 - Health education.
6. Screening of children at primary schools
 - Dental examination
 - Dental care education
 - Donated of toothbrushes and toothpaste
 - Provided fluoride varnish application

IV. RESULTS

A total of 598 cases (female: 227 or 45%) were treated free of charge with no regard to gender, age, ethnicity or religion. Services included:

No	Treatment	Qty.
1	Dental	124 (F59)
2	Ear	19 (F12)
3	Eye	98 (F44)
4	Pregnancy	13
5	Infant and child	76 (39)
6	Student at elementary school	216 (78)
	Total	598 (F272)

1. Dental Results

124 (F59) patients were examined and treated. Dental cases included:

- Extractions: 124

2. ENT Results

19 (F12) patients were examined and treated. ENT cases included:

- Otitis media chronic, discharge and foreign body : 19

3. Eye Results

98 (F44) patients were examined and treated. Vision tests with diagnostic examinations, refractive service was provided and 41pairs of glasses were distributed for adult with near blurred vision (presbyopia).

Surgery was provided at Oudomxay Eye Unit for 8 patients:

- Cataract surgery 7 cases
- Pterygium excision with graft 1 case

4. Obstetric Results

13 pregnant patients were examined and found normal. However all cases were advised to follow up at the provincial hospital.

5. Pediatric Results

76 (F39) children or infants were examined and treated. The main diseases were:

- Pneumonia: 24
- Cold fever: 18
- Diarrhea: 14
- Pharyngitis, tonsillitis: 9
- Parasitose: 9
- Skin infection: 2

6. Primary School Dental Screening Results

216 children (F78) were dental screened at primary school.

- All children received fluoride varnish application.
- Provided toothbrushes and toothpaste for all children with dental care education.

VIII. BUDGET AND EXPENDITURE

The total budget: **8,407 USD.**

The total actual expenditure: **8,119 USD.**

The actual expenditure included:

- Medicine from USA \$1,400
- Instruments and equipment \$800
- Medicine and equipment from Laos \$1,063
- Transport and accom. for USA team + equipmt. \$2,400
- Per diem and accom. for Lao team \$204
- Preparing mission \$91
- Rented vehicles and fuel \$379
- Medicine and supplies for eye service \$1,691
- Toothpaste, toothbrushes and books for students \$93

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

(Detail on attach files)

IX. ACCOMPLISHMENTS, WEAKNESSES AND RECOMMENDATIONS

1. Accomplishments

- Good cooperation with head of village and health center staff.
- The number of patients serviced was 99.7% of target.
- 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 provided an assessment of needs for the dental health care of children at primary schools at Chom-On villages.
- Provided some medical equipment to improve service at health center level.

2. Weaknesses

- Dirt road was difficult because of rain.
- Difficult for accommodation and food.
- Small and dirty room for service. Could not do cataract surgery on location.
- Shortage of time to service.

3. Recommendations:

- Should do during dry season.
- Allow more time for activities.

X. NEXT MISSION PLANNING

ACTIVITIES:

1. Provide treatment of dental cavities by fillings and prevention by calciferous cleaning.
2. Provide treatment and prevention of otitis media, the main cause of deafness.
3. Treat cataract, the leading cause of blindness by IOL surgery in addition to pterygium and eyelid surgeries and treat the leading cause of visual impairment by refractive service.
4. Provide examination of pregnant women by echography.
5. Provide prevention and treatment of infectious disease in children.
6. Provide professional development opportunities for Lao doctors and staff and medical instrument to district hospitals and health care centers.
7. Screen primary schools children for general health, and particularly for eye, dental and ENT care and fluoride varnish application in schools.

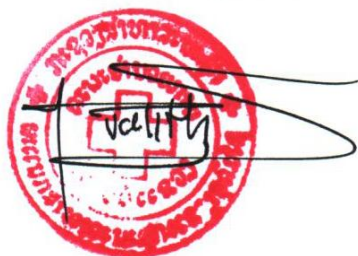
LOCATION:

- In Mai, Samphan and Bounneua districts, Phongsaly province.

DURATION:

- February 3-11, 2013.

Director of Oudomxay Provincial Hospital



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Reporter



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