

Annual Report

**Fiscal Year 2064/65
(17 July 2007 – 15 July 2008)**

Nepal Health Research Council



NHRC



Government of Nepal

Foreword

Nepal Health Research Council (NHRC) is an autonomous body under the Ministry of Health and Population, Federal Democratic Republic of Nepal. NHRC was established in 1991 by an Act of Parliament and was given the responsibility to promote and coordinate health research for improvement of the health status of the people of Nepal. NHRC aims to create conducive environment for health research and helps the researchers and research institutions in enhancing their research capacity.

NHRC has been providing grants, conducting research trainings, workshops and dissemination programs to promote research activities. In order to carry out the activities NHRC receive funding support from the Government of Nepal/Ministry of Health and Population, World Health Organization, Maryknoll Fathers and Brothers, UNFPA for research programs.

The ***"Bamako Call to Action, 2008"*** highlights the need of Strengthening Research for Health Development and Equity. NHRC's future activities and strategic plan is imbued with the spirit of Bamako in strengthening research capacity in Nepal

The objective of publishing the annual report of the fiscal year 2064/65 (17 July 2007- 15 July 2008) is to share information about the research activities of NHRC. Sharing of information and dissemination of research result is one of the major objectives of NHRC, which is expected to improve utilization of research findings in health policy development.

I would like to express my sincere thanks to all the institutions and individuals who supported NHRC to carry out its activities. Thanks are also conferred to NHRC staffs, and particularly Ms. Shailee Singh Rathour who worked hard for the completion of this report

Dr. Mahesh Kumar Maskey
Executive Chairman
Nepal Health Research Council

NHRC Executive Board

Executive Chairperson

Dr. Mahesh Kumar Maskey

Vice-Chairman

Dr. Buddha Basnyat

Member Secretary

Dr. Shri Krishna Giri

Members

Dr. Kedar Prasad Baral

Dr. Rishi Ram Koirala

Dr. Basant Raj Pant

Dr. Achala Vaidya

Dr. Nilambar Jha

Representatives

Ministry of Finance

National Planning Commission

Ministry of Health and Population

Chief, Research Committee, IoM

Chairman, Nepal Medical Council

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1. INTRODUCTION

Nepal Health Research Council (NHRC) is the national apical body for promoting health research in the country. NHRC was established in 1991 by an Act of Parliament and was given the responsibility to promote and coordinate health research for improvement of the health status of the people of Nepal.

It has focused its attention on research capability strengthening through training of individual on research methods in order to develop a critical mass of people who can develop good quality research proposals. It serves as the main national institution responsible for technical and ethical review of proposals submitted by individual health scientists, national authorities, NGO, INGO's and universities. After appropriate review these proposals are approved by NHRC. The aim of NHRC has been to maintain high levels of technical and ethical standards of research carried out in Nepal.

In order to enhance the research activities throughout the country NHRC has been providing regional grants in the five development regions. It has started conducting research trainings workshops and dissemination programs in development regions to promote research activities. NHRC facilitates access to research finding from different research reports, journals, books, magazines etc. through the library and digital data base.

2. OBJECTIVE OF NHRC REPORT

The main objective of publishing the annual report of the fiscal year 2064/65 (17 July 2007- 15 July 2008) is to compile all the activities in a systematic order and to share information about the research activities. It is stated in Nepal Health Research Council's Act, 1991 Section 17 Council shall have to submit an annual report of its activities to Government of Nepal within six months from the end of the fiscal year.

3. NHRC MAJOR ACTIVITIES

3.1 Research Grants

NHRC has been supporting and encouraging researchers and students to conduct research by providing several grants under various titles. Grants are specifically focused to encourage and support researchers who intend research on the priority areas. Grants are provided to the skilled researchers to promote health research culture and to create more research activities within the country. These grants are provided by Government of Nepal, Maryknoll Fathers and Brothers and WHO.

(For more information refer to Annex – I)

3.2 Workshops, Trainings and Programs

NHRC has been providing various trainings, programs on various topics including: developing a health research proposal, conducting research and managing research based data. The total number of National and International Training Workshops conducted from various donor organizations support was twelve. Among them ten were National Workshops and Trainings and two were International Trainings and Workshops.

Table 1

S. N.	Name of Training /Workshop	Training Duration (days)	No. of Training Workshops Conducted	No. of Participants Trained/ Attended
1	Training Workshop on Advance Health Research Methodology	15	2	42
2	Training Workshop on Proposal Development	5	2	51
3	Training Workshop on Health Research Information Management in Nepal	5	1	13
4	National Workshop on Climate Changes and Human Health: Potential Impact, Vulnerability and Adaptation in Nepal	3	1	107
5	Training Workshop on Detection and Management Arsenicosis to 20 Health Officers for Far Western Development Region of Nepal	3	1	22
6	Training Workshop on Advance Epidemiology	10	1	19
7	Training to the Members of Ethical Review Board and Institutional Review Committee of Research Institutions	2	1	33
8	Training to the Reviewers and Researchers	1	1	28
9	Training Workshop on Good Clinical Practice and Research Ethics and Health	3	1	30
10	Regional Meeting of South Asian Forum for Health Research (SAFFHR)	2	1	63
Total		49	12	408

(For more information refer to Annex – II (a) and II (b))

3.3 Dissemination of Health Research Findings

Nepal Health Research Council has felt that conducting research is not enough therefore it felt important that the findings of the research need to reach to the appropriate audience for the best utilization. One of the means to reach the audience is through dissemination and on the other hand dissemination helps to raise the public awareness towards the research findings as well as influences the policy makers. Therefore NHRC has conducted four dissemination workshops in different regions of Nepal in this fiscal year and one is planned to hold in Nepalgunj very soon.

(For more information refer to Annex – III)

3.4 Capacity Strengthening Training

In order to strengthen the knowledge and capacity of the staffs, Nepal Health Research Council had provided different types of training according to the needs in the relevant fields.

(For more information refer to Annex – IV)

3.5 Publications

NHRC published a number of publications such as Peer Reviewed Journal ISSN (1727-5482), October 2007 Journal of Nepal Health Research Council, twelve Proceedings on different National and International Training Workshops three Dissemination Reports, Final Evaluation Report of Maryknoll Fathers & Brothers and NHRC, September 18, 2005 to September 17, 2007 and Research Report on Rapid Assessment of Healthcare Waste Management in Nepal.

(For more information refer to Annex –V)

3.6 Research Projects/Activities

Nepal Health Research Council conducted various research activities supported by different agencies.

- 1) Under the Tropical Disease and Research (TDR) the research entitled "***Distribution of Aedes aegypti and other possible vectors of dengue virus in Nepal***" study was conducted. It was supported by Government of Nepal and the total budget was NRs.1, 500,000.00 (Rupees One million five hundred thousand only). The duration of the research was of six months. Mr. Shamhu Raj Shrestha, Entomologist, Mr. Keshab Prasad Upadhaya, Supervisor, Mr. Parakrami Ranjitkar, Mosquito Collector were contracted for conducting the research. The study areas were Jhapa, Bara, Makawanpur, Nawalparasi, Dang, Kanchanpur districts of Nepal. The data collection of the research has been completed and it is in the reporting phase.
- 2) The "***Assessment of Burden of Diseases in Nepal***" study has been conducted by the Nepal Health Research Council (NHRC) supported by Ministry of Health and Population (MoHP), Government of Nepal and internal sources of NHRC. The total budget of the research activities was NRs. 7,409,024.23 (Rupees Seven million four hundred nine thousand twenty-four and paisa twenty-three only). This project was commenced in May 2007. The study attempts to assess the burden attributable to various diseases and injuries. Major objectives of the study are:

a. General Objective:

To conduct a comprehensive assessment of the burden of disease and injuries among the population in Nepal

b. Specific Objectives:

- To estimate the incidence, prevalence, and duration of major diseases and injuries.
- To quantify the burden of premature mortality and disability by age, sex, and region for the major diseases in terms of Disability Adjusted Life Years (DALY).

This study will focus on primary data for YLL calculation and YLD calculation will be based on secondary data. Regarding the primary data collection for mortality estimates, an innovative method for collecting information on birth, death, health determinants and outcomes called "Motherhood Method" is used. Fifteen districts are randomly selected from each ecological and developmental region, three districts from each development region and each selected district, one VDC from each illaka were selected randomly and the census data was collected from selected VDC. In order to represent urban population, data was also collected from certain wards of randomly selected Municipality. The districts selected were: Solukhumbu, Sindhupalchok, Illam, Sunsari, Nuwakot, Mahottari, Manang, Palpa, Kapilbastu, Humla, Rolpa, Dang, Bhajang, Dadheldura, Kailali. Primary data collection for mortality estimates has been completed in all 15 districts and data entry is ongoing.

- 3) The research study entitled ***“To assess the therapeutic efficacy of Dihydroartemisinin-piperazine (DP) in Jhapa district, Nepal for the treatment of uncomplicated falciparum malaria”*** was conducted by NHRC. Dr. Buddha Basynat was the Principal Investigator of the research study. The research study has been completed.
- 4) The research study entitled ***“Assessment of utilization of health research based recommendations in health policy and plan in Nepal”*** was conducted by NHRC. The total budget of the research study was NRs. 127,589.01 (One hundred twenty-seven thousand five hundred eighty-nine and paisa one only). The study is a descriptive and qualitative; where information is collected from twelve policy makers and researchers through in-depth interview. A format was developed to compile information for the desk review of research reports. Health researches carried out in Nepal between 2001 and 2006 were collected from various research institutions, universities, Ministry of Health and Population (MOHP), and I/NGOs and analyzed. Similarly policy documents published between 2001 and mid 2007 were collected from Ministry of Health and Population and concerned departments to identify the utilization of research based recommendations in health policy and plan formulation. Interviewees’ responses were analyzed to identify factors that hindered the utilization of research recommendations in policy formulation and to explore their experiences and view in accessing of research information and utilizations.

A total of 74 health related researches were collected among which 11 (14.9%) were conducted in health system management and in the area of reproductive health. Only one third of the studies have made recommendations directly related to health policy. The recommendations varied from strengthening the Information Education Communication, Behavior change Communication program, need for further research, strengthening and expansion of health service.

The National Medicines Policy 2007, The National school health and nutrition strategy 2006, and the Cost Sharing Scheme for delivery service promotion 2004 were the policies which had incorporated the recommendation from the studies included in this study. Others plan like the Tenth plan, the three year interim (2008-2011) plan and the Nepal Health Sector Program Implementation Plan have also addressed some of the issues raised by the researches.

The study found that a major factor hindering its utilization was lack of access to research reports by the policy makers. Research information is less likely to be used in the process of decision and policy making if the policy makers do not trust information and evidence generated from the research. There is a lack of interaction and communication between researchers and policy makers. Existing gap between researchers and policy makers has impeded the utilization of research based information and recommendations in decision-making process. There is no strong mechanism for dissemination of research findings among the policy makers and concerned stakeholders. Most of the researches conducted by Nepalese researchers do not get published in national and international journal and hence have no or limited utility in policy making.

It can be concluded that findings and recommendations of health researches started to be use in policy formulation and program planning but they have not been fully utilized in formulation of health policy and plan of the country to the extend it should, due to lack of communication between the policy makers and the researchers while prioritizing research need to dissemination of findings and recommendation.

- 5) Two research studies ***“Acceptability of HIV testing by TB patients”*** and ***“Identifying the ways and means of collaboration between TB & HIV/AIDS Programme to find out the challenges in implementation and suggest solution in Nepal”*** were conducted in collaboration with SAARC

Tuberculosis and HIV/AIDS Centre with support of US\$ 1,300.00 (Dollar One thousand three hundred only). The working team consists of Mr. Ashok Bhurtyal as a Principal Investigator, Dr. Ashok Raj Devkota as a Co-investigator, Dr. Achyut Karki, and Ms. Alina Maharjan as a Research Officer and Mr. Bhisma Raj Pokharel as a Research Assistant. Data collection has been completed and the report writing of the research studies are going on.

- 6) The ***“Study on Status of Free Health Services (FHS) at Primary Health Care Centers and District Hospitals of Nepal”*** was conducted by Nepal Health Research Council with the support of MoHP. The total budget of the research study was NRs. 1,500,000.00 (Rupees One million five hundred thousand only). The duration of study was six months (January to June 2008). The study team consisted of Ms. Binjwala Shrestha, Ms. Sanju Bhattarai and Ms. Dipika Das. Free health service policy was approved by the cabinet and is in practice since one year. There are no studies yet done to guide policy makers to identify the status of FHS and accessibility of poor people and to assess the extent of use of FHS in Nepal.

Descriptive study design applying both quantitative and qualitative methodologies for data collection was carried out in six selected districts i.e. Sunsari, Taplejung, Dolakha, Chitwan, Bajhang and Dang. The study focused to review and describe the situation on FHS policy guideline review, implementation process, status of FHS management (logistic, information, human resource and financial), availability of identified health services in study districts and health service utilization in District Hospital and PHCC of study districts as per the criteria of the target groups.

The study revealed that FHS is being given to target population in the District Hospital and PHCC but due to lack of infrastructure, equipments, drugs and shortage of staff has hampered service provision for both free as well as paying patient. Lack of infrastructure alone is not the reason for not implementing the free health care service policy but the leadership role of the manager and availability of manager during the orientation period in the district was found very important for the success of the free service program. The study found that among the six districts Dang and Dolakha districts has provided FHS effectively.

- 7) ***Rapid assessment study on the status of Health Care Waste Management in Nepal, 2007*** was conducted with an objective to assess the current status of the Health Care Waste Management activities and prepare a basis to enable medical establishments to comply with guidance and legislation on Health Care Waste management (HCWM) in Nepal. The duration of the study was (October –December 2007). The research activity was supported by WHO and the total budget was NRs. 594,840.00. (Rupees Five hundred ninety-four thousand eight hundred and forty only). A steering committee was formed representing key stakeholders. Earlier studies, national legislations, guidelines, plans and programs related to HCWM in Nepal were thoroughly reviewed. Twenty four Health Institutions were purposively selected from four development regions and 10 districts. Data was collected by observation and key informant interview. Quantitative data was analyzed using SPSS-13 and qualitative data was manually summarized. Sound management of health care waste has become a need to safeguard the public health from adverse effects caused due to improper management of healthcare waste. In recent years, healthcare waste disposal has become even more difficult due to increasing number of health facilities and use of disposal needles, syringes and similar items. Review of literature reveals that many studies and surveys have already been conducted related to health care waste management in Nepal. Studies reveal that majority of health care institutions do not practice safe waste handling, segregation, transportation and disposal methods. The key recommendation of almost all studies was to formulate and implement the national legislation on health care waste management.

- 8) **Prevalence study of Injuries / Trauma in Nepal** is conducting by Nepal Health Research Council since June 2008. The research activities were supported by Government of Nepal and the total budget was NRs. 1,500,000.00 (Rupees One million five hundred thousand only). In order to initiate the research a steering committee of researchers has been formed. The members of the committee are Officials of NHRC and HMIs Unit of Management Division, Department of Health Services, Teku. The research team is preparing the tools for the study as well as reviewing the existing reporting system.
- 9) **South Asian Forum for Health Research (SAFHR)** was established in 2003 as a mechanism for enhancing regional collaboration and partnership in health research among South Asian Countries. SAFHR was an outcome of a regional workshop on **"Consultative Meeting for Development of Regional Health Research Agenda"** organized by Nepal Health Research Council (NHRC) where most of the health research councils of the region had participated.

However, due to political transition and financial crisis of NHRC, there was no any activity of SAFHR for some period. Later in 2007, two consecutive meetings were held in 24 March and 14 April in order to reactivate SAFHR and carry on its proposed activities. Under the chairmanship of Dr. Mahesh Kumar Maskey, Executive Chairman of NHRC, it was decided to undertake necessary action to revive secretariat of SAFHR in NHRC office. Beside that, it was also decided to organize a regional meeting discussing any common issue of South Asian countries with the participation of all the member states.

In order to give continuity to SAFHR activities, six-member sub-committee was formed under coordination of Dr. Mahesh Kumar Maskey. Government of Nepal also showed interest in reactivating SAFHR and allocated certain budget for it. NRs. 1,000,000.00 (Rupees One million only). Mr. Gopal Krishna Prajapati and Ms. Alina Maharjan were recruited as Project Officers to facilitate activities of SAFHR. Consequently, Regional meeting of South Asian Forum for Health Research (SAFHR) was organized by NHRC on 7-8 July, 2008 at Kathmandu, Nepal with theme of **"Enhancing South-South Collaboration in Health Research"**.

- 10) Traditional Medicine Research activities was supported by Government of Nepal and the total budget was NRs.1,073,150.44 (Rupees One million seventy-three thousand one hundred fifty and paisa Forty-fore only) In this activity two research studies: **"Review of Present status of Traditional Medicines and Medicinal & Aromatic Plants related Resources & Organizations"** and **"Study of the status of Ayurvedic Medicines available in market of Nepal"** are going on. To initiate the research activities a steering committee was formed. Following are the members:

Advisor: Dr. Mahesh Kumar Maskey

Member: Dr. Shyam Mani Adhikari

Member: Dr. Bal Mukund Regmi

Member: Dr. Nimal Bhattarai

Member: Dr. Sharad Raj Onta

Co-ordinator: Dr. Rishiram Koirala

- 11) Nepal Health Research Council is compiling the reports and articles for the preparation of **"Profile of health research projects in Nepal 2003-2007"**, which has been supported by WHO. The compiling task has been assisted by information collector Mr. Santosh Pokharel and Mr. Naveen Shrestha a consultant.

(Report is available at NHRC)

3.7 Study Reports

Seventeen different research reports have been collected during this period.

(For more information refer to Annex –VI)

3.8 Supervision and Monitoring of Health Research Projects

Every year team of NHRC supervises and monitors the approved and granted research projects. The main objective is to observe and evaluate research projects which consist of experts and member of Executive Board and Ethical Review Board to ensure that researchers maintain ethical standard of the research project and comply with methodology approved in the proposal submitted to NHRC. The total research projects monitored during the fiscal period were twelve. The inspected districts were Kathmandu, Lalitpur, Jhapa, Palpa, Morang and Janakpur.

(For more information refer to Annex – VII)

3.9 Strengthening NHRC Library

The main aim of the NHRC library is to provide the maximum level of health information to health professionals and researchers through out the country. NHRC library has been continuously receiving support from Maryknoll Fathers and Brothers, USA. Due to the support from the funding agency the library has been able to expand its services in various health related research information including photocopy services, medline services and free access to internet. NHRC is trying to provide the research based information in all aspects of health related subjects available in the country. It provides materials from HINARI. It can assess more than 10,000 health related research based full text articles that are available on the net and it has also started to collect full text articles and store them in CD ROM. The facilities assist scholars and health professionals with information in their respective fields.

3.10 Approved Health Research Proposals

The total number of health research proposals approved by the NHRC Executive Board was forty-four. In order to facilitate the review of the research proposals submitted for a approval NHRC charges the processing fees while approving such proposal. In this fiscal year NHRC received the total amount NRs. 1,090,200.55 (Rupees One million ninety thousand two hundred and paisa fifty-five only) as a processing fee.

(For more information refer to Annex – VIII)

3.11 NHRC Representation in various National and International Programs

NHRC represented in various national and international programs. NHRC Executive Board Members ethical review, board member and NHRC staffs participated in twenty-two international and fifty-one national workshops, seminars, meetings, forums and summit.

(For more information refer to Annex – IX)

3.12 NHRC MEETINGS

a) NHRC Executive Board Meetings

During the fiscal year, NHRC organized a total of ten Executive Board Meetings.

(For more information refer to Annex – X)

b) Ethical Review Board Meeting

During the fiscal year, NHRC organized a total of seven Ethical Review Meetings.

(For more information refer to Annex - XI)

3.13 NHRC PURCHASING

NHRC purchased different goods , books and stationary items as needed for the official purpose.

(For more information refer to Annex: XII)

4. FUNDING PARTNERS OF NHRC

In order to carry out the activities planned for the fiscal year. NHRC receive the fund from the Government of Nepal/Ministry of Health and Population. NHRC also receive funds from the World Health Organization, Maryknoll Fathers and Brothers, UNFPA for research programs.

4.1 Government of Nepal

NHRC has been receiving a regular annual budget since the year 2000 from GoN. The date of the fiscal budget of the Government of Nepal starts from Shrawan (July) and ends at Ashad (July). During this year the approximate amount received was around NRs.19,000,000.00 (Rupees Nineteen million only). NHRC has been able to perform various activities like regional research grants, trainings, workshops, monitoring and supervision of research studies and disseminate the research finding in the regional level.

4.2 World Health Organization (WHO)

World Health Organization has been providing technical support and funds to Nepal Health Research Council (NHRC) since its establishment for conducting various health related programs. WHO has supported NHRC mainly to conduct the programs under Health System Research Program and Environmental Health Programme. WHO allocated budget for two years 2007-2008 US\$ 38,000.00 (Dollar Thirty-eight thousand only).

4.3 Maryknoll Fathers and Brothers (MFB)

In January 2000, Maryknoll Fathers & Brothers (MFB) of Maryknoll Society, with Headquarter in Maryknoll, New York, United States of America, entered into a five-year agreement with Nepal Health Research Council (NHRC). MFB agreed to collaborate with NHRC in fulfilling its objectives as stated in the NHRC Act 1991 of Nepal Government. The initial five year Project Agreement was completed on 13 November 2007.

For the year (13 Nov, 2007-12 Nov, 2008) the Project support is US\$ 54,000 (Dollar Fifty four thousand only) to NHRC. It is a leading helpful hand in strengthening the NHRC library: resources materials, networking equipments, furniture etc, providing training workshop on advance epidemiology, training to the members of Ethical Review Board and Institutional Review Committees of Research Institutions, Networking meeting of Institutional Review Committee's meetings, Training to the Reviewer and Researchers (Training Researchers on writing in Biomedical Journals), and Exposure visit to the NHRC staffs, publication of NHRC journals. It is also helping for providing the research grant to facilitate research in the country.

It has its special interest to improve and develop health research ethically and the library / information systems of Nepal and make network with other health related libraries in Nepal and abroad. Furthermore, it is an active partner in workshops and seminars organized by NHRC.

5. CONCLUSION AND RECOMMENDATION

After receiving the funds from the donor organizations, NHRC was able to carry out various activities such as:

1. Strengthening information system of NHRC library
2. Providing research grants to the researchers
3. Supervision & monitoring of various kinds of health related research projects carried out in Nepal
4. Providing various trainings
5. Purchasing various kinds of office items
6. Conducting national and international meetings
7. Publishing scientific journals
8. Capacity strengthening of NHRC staffs
9. Conducting research studies

Therefore, it can be said that NHRC has made significant progress towards developing a somewhat sustainable health research system in the country, but still a lot needs to be done. Although, NHRC has accomplished a number of activities with national and international support. Now the challenge is to expand its activities with more research in the future while at the same time being more responsive to the research findings and recommendations documented in various meetings, seminars, and conferences which need to be implemented at the policy level.

6. ANNEXES

Annex – I

Status of Research Grants

Total No of Research Grant: 13

I) Source of Fund: Government of Nepal

Total Funding Amount: NRs. 937,606.00

1. **Title:** Serological epidemiological and molecular study of dengue viruses in Nepal
PI: Dr Basu Dev Pandey
Approved Amount: NRs. 2,000,00.00
Status: Final report submitted
2. **Title:** Knowledge and practice of parents on childhood immunization of mushar community in Morang District Nepal
PI: Mr. Bhim Bahadur Subba
Approved Amount: NRs. 2,000,00.00
Status: Final report submitted
3. **Title:** Prevalance study of Arsenicosis Symtomatic patients in Ramgram Municipality, Nawalparasi, Nepal
PI: Mr. Hom Jyoti Adhikari
Approved Amount: NRs. 199,006.00
Status: Final report submitted
4. **Title:** Herbal Practices in Salyan District: A Field Survey
PI: Dr. Rupendra Puri
Approved Amount: NRs.138,600.00
Status: Preparing final report
5. **Title:** Changing health practice of rural people of Bajure; traditional to modern treatment: An Anthropological field study
PI: Mr. Krishna Pd Chapagai
Approved Amount: NRs. 2,000,00.00
Status: Final report submitted

II) Source of Fund: Government of Nepal

Total Funding Amount: NRs.1234632.00

1. **Title:** Cost benefit analysis of pesticide use from framers' health perspective
PI: Dr. Khagendra Prasad Dahal
Approved Amount: NRs. 288,614.00
Status: Ongoing

2. **Title:** Hyponatremia in patients with traumatic brain injury etiology incidence and severity correlation
PI: Dr. Subash Lohani
Approved Amount: NRs. 60,000.00
Status: Ongoing
3. **Title:** Role of serology, neuroimagine and stool examination in diagnosis of neurocysticercosis
PI: Dr. Kalyan Sapkota
Approved Amount: NRs. 122,825.00
Status: Ongoing
4. **Title:** Reproductive and sexual health problems of adloscents and youth with disabilities and their coping mechanism
PI: Mr. Ramesh Rana
Approved Amount: NRs. 278,193.00
Status: Ongoing
5. **Title:** Verification of data collected by FCHV
PI: Nepal Health Research Council
Approved Amount: NRs. 240,000.00
Status: Ongoing
6. **Title:** Indoor air pollution and its health impact on people of Malikarjun village development community, Dharchula district (A case study)
PI: Mr. Hari Datta Joshi
Approved Amount: NRs. 245,000.00
Status: Ongoing

III) Source of Fund: Maryknoll Fathers and Brothers

Total Funding Amount: US \$ 10,000.00

1. **Title:** Distribution of phlebotomus argebtipes (Diptera: Psychodidae) one of the main vectors and other possible vectors of KA in Mid-western and Far-western regions of Nepal
PI: Mr. Shambhu Raj Shrestha
Approved Amount: US\$ 5,000.00
Status: Ongoing
2. **Title:** Prevalence survey of Arsenicosis in Kailali and Bardiya districts of Nepal
PI: Mr. Shyam Prasad Adhikari
Approved Amount: US\$ 5,000.00
Status: Ongoing

Annex – II

Status of Trainings Workshops

a. National Training and Workshop

Total no. of Research Training and Workshop conducted: 10

Total no. of Participants Trained: 315

Source of Funding: Government of Nepal, Maryknoll Fathers and Brothers and WHO

1. Training conducted from the Funding of Government of Nepal (GoN)

No. of Training and Workshop: 4, No. of Participants Trained: 93

1.1 Training Workshop on Advance Health Research Methodology conducted: 2

- Total no of participants trained: 42
 - Total Budget Amount: NRs. 15,47,173.00
- i) 20 February - 06 March 2008 Total no of participants: 22
- ii) 27 July -10 August 2008 Total no of participants: 20

1.2 Training Workshop on Proposal Development conducted: 2

- Total no of participants trained: 51
 - Total Budget Amount: NRs. 4,52,827.00
- i) 18 - 22 December 2007 Total no. of participants: 26
- ii) 11 - 15 January 2008 Total no. of participants: 25

2. Training Workshop conducted from the Funding of WHO

No. of Training and Workshop: 3, No. of Participants Trained: 142

2.1 Training Workshop on Health Research Information Management in Nepal conducted: 1

- Total no of participants trained: 13
 - Total Budget Amount: NRs. 183,250.00
- i) 26 - 30 April 2007 Total no. of participants: 13

2.2 National Workshop on Climate Change and Human Health: Potential Impact, Vulnerability and Adaptation in Nepal: 1

- Total no of participants attained: 107
 - Total Budget Amount: NRs. 833,870.00
- i) 19 - 21 December 2007 Total no. of participants: 107

2.3 Training on Detection and Management Arsenicosis to 20 Health Officers of Far Western Development Region of Nepal, Kailali, Dhangadhi: 1

- Total no of participants trained: 22
 - Total Budget Amount: NRs. 391,000.00
- i) 14 - 16 February 2008 Total no. of participants: 22

3. Training Workshop conducted from the Funding of Maryknoll Father and Brothers No. of Training and Workshop: 3, No. of Participants Trained: 80

3.1 Training Workshop on Advance Epidemiology: 1

- Total no of participants trained: 19
 - Total Budget Amount: US \$ 9,000.00
- i) 30 September - 09 October 2007 Total no of participants: 19

3.2 Training to the Reviewer and Researchers :1

- Total no of participants trained: 28
 - Total Budget Amount: US \$ 4,000.00
- ii) 7 February 2008 Total no. of participants: 28

3.3 Training to the Members of Ethical Review Board and Institutional Review Committees of Research Institutions: 1

- Total no of participants trained: 33
 - Total Budget Amount: US \$ 3,000.00
- i) 13 - 14 March 2008 Total no. of participants: 33

b. International Training and Workshop

Total no. of International Training and Workshop: 2

Total no. of Participants: 93

Source of Funding: GoN, WHO, FERCAP and SSMP

1. Training Workshop on Good Clinical Practice and Research Ethics on Health

Source of Funding: WHO and FERCAP

Date: 23 - 25 April 2008.

Total numbers of participants: 30

The objectives of the workshop were:

- a) General:** To enhance the understanding and competence of the workshop participants in the area of research ethics in general and good clinical practice in clinical trials in particular.

b) Specific:

- a. To appreciate the historical development of the research ethics principles
- b. To recapitulate the principles and steps of ethical review process
- c. To be familiar with the core principle of WHO guidelines for reviewing biomedical research
- d. To be familiar with the core ethical issues related to clinical trials
- e. To recognize the special challenges in conducting research activities in developing countries
- f. To understand the specific ethical principles as regards to epidemiological, behavioural, traditional and alternative medicine and genetics related research.
- g. To be able to recognize the importance of and appropriate resolution of issues like Conflict of Interest, Privacy, Confidentiality and research involving vulnerable population
- h. To understand the principle of informed consent and be able to analyze the inherent risk and benefit while assessing the research proposal involving human subjects
- i. To understand the principles and value of Good Clinical Practice
- j. To appreciate the role and responsibilities of Sponsor, Monitor, Investigator in Clinical Trials
- k. To understand the role and responsibilities of Data Safety Monitoring Board

2. Regional Meeting of South Asian Forum for Health Research (SAFHR)

Source of Funding: GoN, WHO and SSMP

Date: 07 - 08 July 2008.

Total numbers of participants: 63

Objectives of the workshop were:

- To explore the ways of strengthening collaboration in health research in South Asian Countries,
- To share innovative methods for measuring Maternal Mortality Ratio (MMR).

This meeting was held with the theme of ***"Enhancing South-South Collaboration in Health Research"***. The participants of Kathmandu meeting of SAFHR, agree to pursue the following strategies for fostering collaboration and partnership in health research in South Asia region and beyond:

1. We commit to promote research in South Asia through SAFHR by cooperating in research, capacity strengthening and knowledge sharing.
2. We agree to setup a steering committee from respective member countries and the chairmanship will be rotated and will have tenure of three years. The chair person of the committee will be from the country where the secretariat is located.
3. We agree to attach the secretariat to NHRC for the next three years because NHRC was the originator of the SAFHR. After this period the secretariat will be transferred to the member countries according to alphabetical order.
4. We plan to conduct multi-centric research in the following areas:
 - Maternal, new born and child health
 - TB, HIV/AIDS, Malaria and other communicable disease
 - Malnutrition.
 - Non communicable disease, Trauma
 - Environmental Health
 - Neglected illnesses
 - Health Systems research
5. We agree to ensure funding support from national governments and also seek additional funds from different national and international organizations that are promoting research in areas identified by SAFHR and we hope to – over time- create a **"South Asian Research Fund"**.
6. We commit to work together to promote health research, mobilize political support and develop a strong ***Southern Voice on*** health research in the global community.

Annex – III

Dissemination Programs

Nepal Health Research Council organized four dissemination programs in **three Development Regions, Central, Eastern and Mid-western Regions** with the aim of disseminating the research findings in the study area is to inform to the policy makers and people of that area.

The objectives of the dissemination were:

- To disseminate the findings of research and
 - To explore the areas for utilization of research findings
- 1) Dissemination of the research findings prices of drugs in Teku, Kathmandu
 - Date: 20 February 2008 No. of participants: 20
 - 2) Western regional dissemination workshop on research finding, Manipal College of Medical Science , Pokhara
 - Date: 7 June 2008 No. of participants: 50
 - 3) Eastern development regional dissemination workshop on research findings in BPKIHS, Dharan
 - Date: 14 June 2008 No. of participants: 43
 - 4) Dissemination workshop on health care waste management in Nepal, Kathmandu
 - Date: 31 December 2007 No. of participants: 96

Annex – IV

Capacity Strengthening

- 1) NHRC and Project staffs of Maryknoll Fathers and Brothers was trained:
 - Greenstone Digital Library (Advanced), 18 November 2007-01 December 2007
 - Training Course on KOHA, 01 February, 2008-01 March 2008
- 2) Advance Epidemiology Training Programme conducted by European Educational Programme in Epidemiology, Italy on 23 June – 15 July 2007
- 3) Workshop on Research Management, Bangladesh Medical Research Council (BMRC), Mohakhali, Dhaka on 10-17 August 2007
- 4) Computer Assistant completed the course:
 - Post Graduate Diploma in Hardware Engineering, 07 August 2007 - 28 March 2008
- 5) Advanced International Training Program on Climate Change, Mitigation and Adaptation on 01-31 March 2008, Sweden
- 6) Epidemiology and Field Research Method, Sweden on 31 May - 18 June 2008

Annex – V

Status of Publications

- 1) Final Evaluation Report of Maryknoll Fathers & Brothers and NHRC (18 September 2005 to 17 September. 2007)
- 2) Peer Reviewed ISSN (1727-5482) October 2007 Journal of Nepal Health Research Council
- 3) 12 Proceedings Reports of different National and International Training Workshop
- 4) 3 Proceedings Reports of Dissemination Programs
- 5) Research Report on Rapid Assessment of Healthcare Waste Management in Nepal

Annex – VI

Study Reports

1. Prevalence study of arsenicosis symptomatic patients in Ramgram Municipality, Nawalparasi, Nepal
- *Mr. Hom Jyoti Adhikari (2008)*
2. Gender differences in delays in initiating directly observed treatment among new sputum smear positive pulmonary TB patients in for western development region, Nepal
- *Mr. Tara Singh Bam (2008)*
3. Serological-epidemiological and molecular of dengue viruses in Nepal
- *Dr. Basu Dev Pandey (2008)*
4. Healing systems and practices an anthropological study of Chhatana VDC in Bajura District
- *Mr. Krishna Pd Chapagai (2008)*
5. Comparative study of awareness regarding HIV/AIDS among transportation workers and female sex workers of Sunsari and Morang districts
- *Mr. Dhiraj Sharma (2008)*
6. A rapid assessment study on health care waste management in Nepal
- *NHRC (2007)*
7. Knowledge and practice of parents on childhood immunization of Mushar community in Morang district Nepal
- *Mr. Bhim Bahadur Subba (2007)*
8. Mobilization of cured patients to improve TB control programme in Sarlahi district of Nepal
- *Mr. Raj Nandan Mandal (2007)*
9. A study on sickness absenteeism and preventive measures of occupational health problem in textile industries of Kathmandu and paper industry of Nawalparasi
- *Dr. Sarala Malla (2007)*
10. Childhood morbidity pattern and health seeking behaviors in Jumla district
- *Mr. Brish Bahadur Shahi (2007)*
11. Free gynaecological health camp, health survey with awareness activities at Chapakot VDC of Syangja district, Kantipur Dental Hospital and Research Center
- *Mr. Budhi Man Shrestha (2007)*
12. Evaluation study of cost recovery of hospital development community in Nepal
- *Mr. Deepak Kumar Karki (2007)*
13. Variation in prices of common drugs study from two remote districts of Nepal
- *NHRC (2007)*

14. Quality of reproductive health services at primary health care level with special reference to clients satisfaction in Nepal
- *Mr. Nagendra Luitel (2007)*

15. Quality of reproductive health services at PHC level with reference to skill and competency of the health service providers in Nepal
- *Mrs. Pramila Thapa (2007)*

16. Study on pricing methods and price to top selling eight medicines from Nepalese manufactures
- *INRUD (2007)*

17. A final report on BCC/IEC programs and their impacts on knowledge and behavior of people in Nepal
- *Mr. Badri Nath Bhatta (2007)*

Annex – VII

Status of Health Research Projects

Monitored and Supervised

The team of NHRC consists of Board member, Ethical Review Board member and experts from different fields supervised and monitored the approved research projects.

The objectives of the visit is to supervise and collect the information to determine whether the key activities are being carried out as it is mentioned in the research proposal submitted to NHRC maintaining the ethical standard. The major purpose of monitoring is to provide information about the progress, changes and discomfort occurs during the implementation phases. The total research project inspected were twelve. The inspected districts were Kathmandu, Lalitpur, Jhapa, Palpa, Morang and Janakpur.

- 1) Research Title:** Etiology of diarrhea in children attending Kanti Children Hospital in Kathmandu, Nepal
- P I:** Dr. Sanjay Kumar Shrestha
- Inspection site:** NPHL, WARUN
- Date of Supervision:** 20 May 2008

Monitoring and Supervision Team:

1. Dr. Mahesh Kumar Maskey
2. Dr. Sharad Raj Onta
3. Prof. Dr. Ramesh Kant Adhikari
4. Dr. Manas Kumar Banerji
5. Mrs. Pearl Banmali
6. Mr. Meghnath Dhimal
7. Mr. Subodh Kumar Karna
8. Mr. Bijay Kumar Jha

- 2) Research Title:** Etiology of encephalitis in Japanese encephalitis virus-negative samples in Nepal
- P I:** Dr. Sanjay Kumar Shrestha
- Inspection site:** NPHL, WARUN
- Date of Supervision:** 20 May 2008

Monitoring and Supervision team:

1. Dr. Mahesh Kumar Maskey
2. Dr. Sharad Raj Onta
3. Prof. Dr. Ramesh Kant Adhikari
4. Dr. Manas Kumar Banerji
5. Mrs. Pearl Banmali
6. Mr. Meghnath Dhimal
7. Mr. Subodh Kumar Karna
8. Mr. Bijay Kumar Jha

- 3) **Research Title:** An operation research on intrauterine contraceptive devices (IUCD)
P I: Mr. Netra Parsad Bhatta
Inspection site: Biratnagar
Date of Supervision: 15 June 2008

Monitoring and Supervision team:

1. Dr. Nilamber Jha
2. Mr. Meghnath Dhimal
3. Mr. Subodh Kumar Karna
4. Mr. Bijay Kumar Jha

- 4) **Research Title:** Etiology of diarrhea in adult attending Sukraraj Tropical & Infectious Disease Hospital in Kathmandu
P I: Dr. Sanjay Kumar Shrestha
Inspection site: NPHL, WARUN and AFRIMS
Date of Supervision: 20 May 2008

Monitoring and Supervision Team:

1. Dr. Mahesh Kumar Maskey
2. Dr. Sharad Raj Onta
3. Dr. Manas Kumar Banarjee
4. Dr. Ramesh Kant Adhikari
5. Mrs. Pearl Banmali
6. Mr. Meghnath Dhimal
7. Mr. Subodh Kumar Karna
8. Mr. Bijay Kumar Jha

- 5) **Research Title:** Acceptability feasibility of medical abortion in Nepal
P I: Dr. Chanda Karki
Inspection site: CREHPA, Kusunti Lalitpur
Date of Supervision: 28 May 2008

Monitoring and Supervision Team:

1. Dr. Mahesh Kumar Maskey
2. Dr. Sharad Raj Onta
3. Dr. Ramesh Kant Adhikari
4. Dr. Aarati Shah
5. Mrs. Pearl Banmali
6. Mr. Meghnath Dhimal
7. Mr. Sobodh Kumar Karna
8. Mr. Bijay Kumar Jha

- 6) **Research Title:** A systematic study on M. leprae antigen-induced host profiles for the identification of biomarkers for diagnosis of leprosy reactions
PI: Dr. Murdo Macdonald
Co-PI: Mr. Chaman Ranjit
Inspection site: Anandaban Hospital, Lalitpur

Date of Supervision: 10 January 2008

Monitoring and Supervision team:

1. Dr. Sharad Raj Onta
2. Prof. Shiba Kumar Rai
3. Mr. Bhupnath Sharma
4. Mrs. Pearl Banmali

7) Research Title: A randomized, placebo- controlled, double-masked, safety and efficacy study of C- KAD ophthalmic solution in patients with loss of visual function due to age-related nuclear cataracts

PI: Dr. Sanduk Ruit

Inspection site: Tilganga Eye Center, Kathmandu

Date of Supervision: 8 January 2008

Monitoring and Supervision team:

1. Dr. Sharad Raj Onta
2. Mrs. Pearl Banmali
3. Mr. Bhupnath Sharma
4. Mr. Bhupendra Bahadur Thapa

8) Research Title: Integrated bio-behavioral survey among injecting drug users in Kathmandu valley, Pokhara valley, Eastern teria and Western to Far western teria; and men having sex with men in Kathmandu valley

PI: Ms. Asha Basnyat

Inspection site: Family Health International (FHI), Kathmandu, Nepal

Date of Supervision: 8 February 2008

Monitoring and Supervision team:

1. Dr. Mahesh Kumar Maskey
2. Dr. Sharad Raj Onta
3. Dr. Ramesh Kant Adhikari
4. Dr. Sashi Sharma
5. Dr. Padma Bahadur Chand
6. Mr. Bhupnath Sharma
7. Mrs. Pearl Banmali
8. Mr. Meghnath Dhimal
9. Mr. Bijay Kumar Jha
10. Mr. Subodh Kumar Karna

9) Research Title: Factors affecting integration of theory and practice in performing primary health care role by the nurses in hospital

PI: Ms. Shakuntala Tamang ((Thanju)

Inspection site: Tansen Mission Hospital, Palpa

Date of Supervision: 5 June 2008

Monitoring and Supervision team:

1. Mr. Meghnath Dhimal
2. Mr. Sobodh Kumar Karna
3. Mr. Bijay Kumar Jha

10) Research Title: Demand for medical care: An economic analysis of Kalazar in Nepal

PI: Mr. Shiva Raj Adhikari

Inspection site: Janakpur

Date of Supervision: 12 June 2008

Monitoring and Supervision team:

1. Mr. Meghnath Dhimal
2. Mr. Subodh Kumar Karna
3. Mr. Bijay Kumar Jha

11) Research Title: Tracing pharmaceuticals in South Asia: Regulation, distribution and consumption.

PI: Dr. Iam Harper

Co-PI: Mr. Madhusudan Subedi

Inspection Site: Martin Chautari, Thapathali, Kathmandu

Date of Supervision: 19 May 2008

Monitoring and Supervision team:

1. Dr. Aarati Shah
2. Dr. Sharad Raj Onta
3. Dr. Ramesh Kant Adhikari
4. Mr. Harihar Dahal
5. Mr. Bhupendra Bahadur Thapa
6. Mrs. Pearl Banmali
7. Mr. Meghnath Dhimal
8. Mr. Bijay Kumar Jha
9. Mr. Subodh Kumar Karna

12) Research Title: Cost benefit analysis of pesticide use from farmers health perspective

PI: Dr. Khagendra Prasad Dahal

Inspection Site: Dhulabari PHC, Jhapa

Date of Supervision: 16 June 2008

Monitoring and Supervision team:

1. Dr. Nilamber Jha
2. Mr. Meghnath Dhimal
3. Mr. Subodh Kumar Karna
4. Mr. Bijay Kumar Jha

Annex – VIII

Status of Approved Health Research Proposals

- Total no. of Research proposals:44
- Total processing Fees: NRs. 1,090,200.55

- Title:** Assessing drug availability, quality of care, access of poor and marginalized and community participation in a community drug program and non-community drug program districts

PI: Mr. Deepak Paudel

Institution: Care International in Nepal

Funding Agency: CARE Nepal

Approved Amount: US\$ 3,924.00

NHRC fee: NRs. 6,544.00
- Title:** Use of pesticides and its impact on health of Nepalese population

PI: Prof. Chiho Watanabe

Co-PI: Dr. Basu Dev Pandey

Institution: University of Tokyo

Funding Agency: Ministry of Environment, Japan

Approved Amount: US \$ 8,500.00

NHRC fee: NRs. 6,470.00
- Title:** Factors associated with delay in the diagnosis of Tuberculosis in Banke District, Nepal

PI: Mr. Rajendra Basnet

Institution: University of Bergen

Funding Agency: Self

Approved Amount: NRs.46,500.00

NHRC fee: NRs. 1,000.00
- Title:** Incidence of oxygen desaturation during intravenous ketamine and effects of basic airway management maneuvers on it: A population based comparative study.

PI: Dr. Amit Lamgade

Institution: Tansen Mission Hospital, Palpa

Funding Agency: NA

Approved Amount: NA

NHRC fee: NRs. 1,000.00

- 5. Title:** A multi stage stratified sample survey of mode of delivery and maternal and perinatal outcomes
PI: Dr. Metin Ahmet Gulmezoglu
Co-PI: Mr. Naveen Shrestha
Institution: Department of Reproductive Health and Research, World Health Organization
Funding Agency: Department of Reproductive Health and Research WHO, Geneva
Approved Amount: US \$ 9,750.00
NHRC fee: NRs. 6,500.00
- 6. Title:** A randomized double blind placebo controlled trial of intravenous immunoglobulin (IVIG) in Japanese encephalitis in Nepal
PI: Prof. Tom Solomon
Co-PI: Prof. Dr. Rupa Singh
Institution: University of Liverpool, UK
Funding Agency: Neuroscience Fund, University of Liverpool, UK
Approved Amount: US \$ 30,000.00
NHRC fee: NRs. 36,190.70
- 7. Title:** Etiology of acute neonatal bacterial meningitis in KCH (ANMIH)
PI: Dr. Shishir Dahal
Institution: Kanti Children Hospital, Maharajgung, Kathmandu Nepal
Funding Agency: KCH/International Society of Infectious Disease
Approved Amount: US \$ 4,320.00
NHRC fee: NRs. 6,350.00
- 8. Title:** Psychosocial predictors of HIV/ AIDS risk behaviors in Nepalese street youth
PI: Miss Alison Sarah Homer
Co-PI: Dr. Suraj Bahadur Thapa
Institution: International Health, University of Oslo, Norway
Funding Agency: University of Oslo
Approved Amount: US \$ 9,528.00
NHRC fee: NRs. 6,330.00
- 9. Title:** Sexual culture among young people in Nepal
PI: Mr. Pramod Raj Regmi
Institution: University of Aberdeen
Funding Agency: Self
Approved Amount: NA
NHRC fee: NRs.1,000.00

- 10. Title:** Cost for receiving ART services and impact of ART on health, income and productivity of people living with HIV/AIDS in Kathmandu valley
- PI:** Ms. Nilu Thapa
- Institution:** Department of Community Medicine and Family Health, Institute of Medicine, Maharajgunj
- Funding Agency:** NA
- Approved Amount:** Self
- NHRC fee:** NRs.1,000.00
- 11. Title:** Rebel health services in Nepal: Implications for the Health Sector Reform
- PI:** Mr. Bhimsen Devkota
- Institution:** University of Aberdeen
- Funding Agency:** Self
- Approved Amount:** Self
- NHRC fee:** NRs.1,000.00
- 12. Title:** Genetic variation in toll-like receptors and susceptibility to leprosy
- PI:** Dr. Murdo Macdonald
- Institution:** Leprosy Mission Nepal, Anandaban Hospital, Lalitpur
- Funding Agency:** Heiser Foundation
- Approved Amount:** US \$ 9,000.00
- NHRC fee:** NRs. 6,385.00
- 13. Title:** Formative research to assess HIV risk among males who have sex with Males (MSM) in Nepal
- PI:** Dr. Erin Wilson
- Co-PI:** Mr. Sunil Babu Pant
- Institution:** University of California
- Funding Agency:** University of California
- Approved Amount:** US \$ 19,643.00
- NHRC fee:** NRs. 24,684.70
- 14. Title:** Incidence of rotavirus and adenovirus infection in children less than 2 years with Diarrhoea attending Patan Hospital OPD or admitted in the Paediatric Ward
- PI:** Dr. Neelam Adhikari
- Institution:** Patan Hospital
- Funding Agency:** The Paediatric Department, University of Oxford, UK
- Approved Amount:** US \$ 1,540.00
- NHRC fee:** NRs. 6,365.00
-

- 15. Title:** Effectiveness of mesh augmented sacropinous hysteropexy for terovaginal prolapse in Nepalese women
- PI:** Dr. Khima Nand Joshi
- Institution:** Lumbini Zonal Hospital Butwal, Nepal
- Funding Agency:** Boston Scientific Cooperation
- Approved Amount:** US \$ 15,000.00
- NHRC fee:** NRs. 19,050.00
-
- 16. Title:** Pattern of allergy reaction in the Dermatology Department of 4 major hospitals in Kathmandu
- PI:** Dr. Dinesh Binod Pokhrel
- Institution:** Institute of Medicine, Department of Dermatology, TUITH
- Funding Agency:** NA
- Approved Amount:** NRs. 681,261.00
- NHRC fee:** NA
-
- 17. Title:** Tibetans and tuberculosis: tracking TB and its cultural perceptions among Kathmandu Tibetans
- PI:** Mr. David Charles Saunders
- Co-PI:** Mr. Nawang Tsering Gurung
- Institution:** Support to the Safe Motherhood Programme (SSMP)
- Funding Agency:** USEF-Nepal
- Approved Amount:** US \$ 414,600.00
- NHRC fee:** NRs. 6,419.00
-
- 18. Title:** A questionnaire survey of the occupational health needs of climbing Sherpas
- PI:** Dr. Ewan Beatin Macdonald
- CO-PI:** Ms. Shrijana Shrestha
- Institution:** University of Glasgow
- Funding Agency:** Health Working Lives Research Group, University of Glaslow
- Approved Amount:** US \$ 4,000.00
- NHRC fee:** NRs. 6,370.00
-
- 19. Title:** To compare the efficacy and safety of intravaginal misoprostol versus intracervical foley's catheterization for cervical ripening
- PI:** Dr. Sangita Kharel
- Institution:** Tansen Mission Hospital, Palpa
- Funding Agency:**
- Approved Amount:** US \$ 150.00
- NHRC fee:** NRs. 1,000.00

- 20. Title:** The extent and factors associated with sexual violence among young married couples in Nepal.
- PI:** Dr. Mahesh Chandra Puri
- Institution:** Centre for Research on Environment Health and Population Activities (CREHPA), Lalitpur
- Funding Agency:** Department of Reproductive Health and Research WHO, Geneva
- Approved Amount:** US \$ 42,310.00
- NHRC fee:** NRs. 54,778.50
-
- 21. Title:** Maternal mortality and morbidity study in Nepal
- PI:** Mr. Ajit Singh Pradhan
- Institution:** Support to the Safe Motherhood Programme (SSMP)
- Funding Agency:** USAID, SSMP and GoN
- Approved Amount:** US \$ 414,600.00
- NHRC fee:** NRs. 502,975.00
-
- 22. Title:** Prevalence of dental caries, impact of toothpastes and others factors in the oral health of school children
- PI:** Mr. Amrit Acharya
- Institution:** Microbiology Student Association of Nepal, Central Department of Microbiology, TU
- Funding Agency:** Nepal Dental Association
- Approved Amount:** US \$ 2,350.00
- NHRC fee:** NRs. 1,000.00
-
- 23. Title:** Profiling of healthy mice in hypobaric environment in high altitude at Mt. Sagarmatha (Everest).
- PI:** Dr. Rohit Pokhrel
- Institution:** Muscular Dystrophy Foundation, Nepal
- Funding Agency:** Khurana Research Fund
- Approved Amount:** US \$ 7,500.00
- NHRC fee:** NRs. 6, 320.00
-
- 24. Title:** The role of genetic variants in the development of altitude related Pathologies
- PI:** Dr. Michael Stephen
- Co-PI:** NA
- Institution:** University of British Columbia
- Funding Agency:** University of Birmingham Medical School
- Approved Amount:** US \$ 6,600.00
- NHRC fee:** NA

- 25. Title:** Peak performance in climbing teams
PI: Dr. James Albert Carter
Co-PI: Dr. Arjun Karki
Institution: Beth Israel Deaconess Medical Center
Funding Agency: National Space Biomedical Research Institute
Approved Amount: US \$ 8,000.00
NHRC fee: NA
- 26. Title:** Integrated bio-behavioral survey (IBBS) among female sex workers (FSWs), male labor migrants and wives of labor migrants in various parts of the country
PI: Ms Jacqueline McPherson
Co-PI: Dr. Laxmi Bilas Acharya
Institution: Family Health International/Nepal
Funding Agency: Asha Project, FHI
Approved Amount: US \$ 190,219.00
NHRC fee: NRs.245, 548.20
- 27. Title:** Acute mountain sickness prophylaxis: knowledge, attitudes and behaviours
PI: Mr. Thomas Kilner
Co-PI: Mr. Saptarshi Mukerji
Institution: The University of Birmingham
Funding Agency: Self
Approved Amount: US \$ 2,972.00
NHRC fee: NRs. 6,619.86 (£ 49.68)
- 28. Title:** An unblended phase IV immunogenicity study DTP- HepB-Hib vaccine (Quinvaxem®) given as part of the routine infant immunization schedule to children in Kathmandu, Nepal
PI: Dr. Neelam Adhikari
Institution: Patan Hospital
Funding Agency: University of Oxford
Approved Amount: US \$ 11,600.00
NHRC fee: NRs. 15,277.20
- 29. Title:** Syringe coverage and HIV risk behaviors among needle exchange program (NEP) users in Pokhara, Nepal
PI: Ms. Sabina Shrestha
Institution: Graduate School of Medicine, The University of Tokyo
Funding Agency: Self
Approved Amount: US \$ 1,100.00
NHRC fee: NRs. 1,000.00
-

- 30. Title:** KAP of HIV/AIDS among wives of migrant's workers in India
PI: Mr. Ganesh Bahadur Ghale
Institution: University of Aberdeen
Funding Agency: NA
Approved Amount: NA
NHRC fee: NRs. 1,000.00
- 31. Title:** Understanding the effects of decentralization on district health services in Nepal
PI: Krishna Raj Regmi
Institution: University of the West of England, Bristol
Funding Agency: Self
Approved Amount: NA
NHRC fee: NRs. 1,000.00
- 32. Title:** The use of M leprae ESAT-6 and CFP-10 derived peptides for Immunodiagnosis of M.lepra infection
PI: Dr. Deanna A Hagge
Co-PI: Mr. Shovakhar Kandel
Institution: Anandaban Leprosy Hospital
Funding Agency: Dutch Leprosy Relief Foundation and the Gastman-Wichers Foundation
Approved Amount: NA
NHRC fee: NRs. 6,845.00
- 33. Title:** Effects of pulmonary hypertension on aerobic capacity in high Altitude
PI: Prof. Naeije Robert
Co-PI: Ms. Soni Srivastav
Institution: Faculty of Medicine, Free University of Brussels, Belgium
Funding Agency: Self
Approved Amount: US \$ 10,000.00
NHRC fee: NRs. 6,520.00
- 34. Title:** Mechanisms of central sleep apnea at high altitude
PI: Prof. Keith Ronald Burgess
Co-PI: Dr. Pajan Subedi
Institution: Faculty of Medicine, Free University of Brussels, Belgium
Funding Agency: Otago Medical Research Foundation and Sport and Physical Activity Research Council New Zealand
Approved Amount: US \$ 10,000.00
NHRC fee: NRs. 6,520.00

- 35. Title:** Reintegration and rehabilitation of trafficked Nepalese women: A study of their experiences on returns and program activities of a rehabilitation NGO
- PI:** Dr. Sudha Sen Malla
- Co-PI:** Mr. Bishwo Ram Khadka
- Institution:** Dept Critical Care, Manly Hospital, Australia
- Funding Agency:** NA
- Approved Amount:** US \$ 10,000.00
- NHRC fee:** NRs. 1,000.00
-
- 36. Title:** A community based approach to understanding maternity health care needs of rural Nepalese parturient women
- PI:** Dr. Jude Kornelson
- Co-PI:** Dr. Arjun Karki
- Institution:** University of British Columbia
- Funding Agency:** NA
- Approved Amount:** NA
- NHRC fee:** NA
-
- 37. Title:** Gentamicin in Uniject device design stage trial in Morang district, Nepal
- PI:** Dr. Yeshobardhan Pradhan
- Institution:** Department of Health Services
- Approved Amount:** US \$ 10,189.00
- NHRC fee:** NRs. 13,918.17
-
- 38. Title:** HIV-related risks, vulnerability and social networks among men who have sex with men (MSM) and Tesro Lingi (Third Sex) people in five study sites in Nepal
- PI:** Ms. Isabel Tavitan- Exley
- Co-PI:** Dr. Laxmi Bilash Acharya
- Institution:** Family Health International/ Nepal
- Funding Agency:** UNAIDS-Nepal
- Approved Amount:** US\$ 15,404.00
- NHRC fee:** NRs. 20,102.22
-
- 39. Title:** An exploratory study of complications from CAC: Improvement of the quality of comprehensive abortion care (CAC) services in Nepal.
- PI:** Dr. Yagya Bahadur Karki
- Institution:** The Population, Health and Development (PHD) Group, Indraeni, Ring Road, Sanepa, Lalitpur
- Funding Agency:** IPAS
- Approved Amount:** NRs.153,8253.00
- NHRC fee:** NRs. 26,688.00

- 40. Title:** The situation of orphaned children living with extended family in Nepalgunj, Nepal
- PI:** Mr. Stephen John Halpin
- Co-PI:** Mr. Arvinda Kushwaha
- Institution:** Nuffield Institute for International Health and Development
- Funding Agency:** Self
- Approved Amount:** Self
- NHRC fee:** NRs. 6,320.00
-
- 41. Title:** Knowledge, attitude and practice of preventive methods of mosquito bite and transmission of malaria among Tharu community of Bchhyauli VDC in Chitwan district of Nepal
- PI:** Mr. Amrit Prasad Upadhyaya
- Institution:** Medical School, Aberdeen, Scotland,UK
- Funding Agency:** NA
- Approved Amount:** NA
- NHRC fee:** NRs. 6,520.00
-
- 42. Title:** Socio-economic condition, bednet use and malaria control services in Western Terai of Nepal
- PI:** Dr. Chitra Bahadur Gurung
- Institution:** Health and Physical Education Department
- Funding Agency:** WHO
- Approved Amount:** US \$ 9,400.00
- NHRC fee:** NRs. 6,800.00
-
- 43. Title:** Relationship of hemoglobin level management in quality of life (QoL) of chemotherapy- induced anemic patient
- PI:** Ms. Ronak Shrestha
- Institution:** Kathmandu University, Dhulikhel, Kavre, Nepal
- Funding Agency:** Kathmandu University
- Approved Amount:** US \$ 225.00
- NHRC fee:** NRs.1,000.00
-
- 44. Title:** Inclusion of health ethics in the public health curriculum and its practical application in public health research in Nepal
- PI:** Mr. Lal Bahadur Rawal
- Institution:** Nepal Institute of Health Sciences, Boudha, Kathmandu, Nepal
- Funding Agency:** Asia Pacific Academic Consortium for Public Health
- Approved Amount:** US \$ 4,987.50
- NHRC fee:** NRs. 6,760.00

Annex –IX

√Status of NHRC Representation in various National and International Programs

Total number of programs represented by NHRC: 73

International

1. Meeting of the Expert Working Group in Bangkok, Thailand on 13-14 August 2007
-Dr. Mahesh Kumar Maskey
2. Sixteenth Session of the WHO Regional Committee, Thimpu, Bhutan on 30 August - 5 September 2007
- Dr. Sharad Raj Onta
3. Inter Country Workshop on Institutional Collaboration for Arsenic Mitigation, Kolkata on 10 - 14 September 2007
- Mr. Meghnath Dhimal
4. Third Annual Meeting of SEAPHEIN on 25-27 September 2007
- Dr. Sharad Raj Onta
5. International Workshop on Moving SEAPHEIN to Influence Public Health Policy and Action, Jaipur, India on 28 September 2007
- Dr. Sharad Raj Onta
6. Regional Meeting on Revisiting Community Based Health Workers and Community Health Volunteer, Thailand on 3-5 October 2007
- Dr. Mahesh Kumar Maskey
7. Eleventh Forum Meeting of Global Forum for Health Research, Beijing, China on 27 October - 4 November 2007
- Dr. Sharad Raj Onta
8. Intergovernmental Meeting on Pandemic Influenza Preparedness: Sharing of Influenza Viruses and Access to Vaccines and Other Benefits in Geneva on 18-25 November 2007
- Dr. Mahesh Kumar Maskey
9. Ministerial Conference on Avian and Pandemic Influenza, New Delhi, India on 3-7 December 2007
- Dr. Sharad Raj Onta
10. Global Fund Grant Negotiation and Implementation Workshop, Bangkok, Thailand on 28 January - 1 February 2008
- Dr. Sharad Raj Onta

11. First Meeting of the Task Force on Health Research Management and Capacity Building, SEARO, New Delhi on 6-7 March, 2008
- Dr. Mahesh Kumar Maskey
12. Indian Doctors for Peace Development, New Delhi, India on 8-12 March 2008
- Dr. Mahesh Kumar Maskey
13. Advanced International Training Programme on Climate change Mitigation & Adaptation, Sweden, 1-30 March 2008
- Mr. Meghnath Dhimal
14. Eighteenth World Congress of International Physicians for the Prevention of Nuclear War, Delhi on 2 -11 March 2008
- Dr. Mahesh Kumar Maskey
15. Short Term Assignment for Finalizing the background paper based on Research Management Modules, New Delhi on 18 April 2008
- Dr. Mahesh Kumar Maskey
16. Temporary International Professional (Research) Under Allotment on 18 April 2008 to 7 May, 2008
- Dr. Mahesh Kumar Maskey
17. Global Health Forum, UK and World Health Assembly, Geneva on 10-25 May 2008
- Dr. Mahesh Kumar Maskey
18. Setting a Developing Country Agenda for Global Health, UK on 11- 13 May 2008
- Dr. Mahesh Kumar Maskey
19. 61st World Health Assembly HQ, Geneva on 19-24 May 2008,
- Dr. Mahesh Kumar Maskey
20. Regional Consultation on Utilization of Health information for Decision- making on 16-18 June, 2008, Colombo, Sri Lanka
- Dr. Mahesh Kumar Maskey
21. Inter Country Workshop on Research Management, Indonesia, Delhi, Sri Lanka on 13-19 June 2008
- Dr. Mahesh Kumar Maskey
22. First Meeting of South-East Asia Region Immunization Technical Advisor Group on 14-15 July 2008, Bangkok, Thailand
- Dr. Mahesh Kumar Maskey

National

1. Experts meeting to improve the tools for survey to find the magnitude of disability in the Community on 18-19 July 2007
2. Malaria Outbreak in Makawanpur district on 27 - 29 July 2007
3. Antipesticide Industries Environmental impact Assessment Meeting on 5 August 2007
4. National Arsenic Steering Committee Meeting on 7 August 2007
5. Devdha Medical College and Research Institute Environmental Impact Assessment Meeting on 12 August 2007
6. Second higher Education Project Launch Workshop on 20 August 2007
7. Health Sector Development Partners Forum on 20 August 2007
8. Practical Approach to Lung Health (PAL) on 23 August 2007
9. National training/workshop on Health Internet work access to Research Initiative (HINARI) and other available modern programs on 27 August 2007
10. Workshop on clinical Research Ethics Capacity Building on 27-29 August 2007
11. International Symposium on "Remaining Challenges in Leprosy" on 5-8 September 2007
12. National Arsenic Steering Committee Meeting on 7 September 2007
13. Advocacy Programme with political Parties to Protect the Right to life of Mother and Newborns on 13 September 2007
14. Mountain Medicine: The South Asian Experience-II on 15 September 2007
15. WHO Collaborative Programme Evaluation Meeting on 2-3 October 2007
16. Advocacy and Awareness on trade in Health Services in Nepal on 10 October 2007
17. Chitwan Medical College Teaching Hospital and Research Center Environmental Impact Assessment Meeting on 16 October 2007
18. Seminar on New Approach in Management of Cancer on 14 November 2007
19. National Annual Performance Review Workshop on 4-6 November 2007
20. National HIV/ AIDS Strategy (2006-2011) and monitoring and evaluation guideline for HIV and AIDS in Nepal, 2006 on 21 November 2007
21. Sixth Joint Annual Review (JAR) / Mid-Term Review (MTR) on 3- 10 December 2007
22. Workshop on 25 Years of NAST and Road Ahead on 4 December 2007
23. WHO Regional Seminar on Water Safety Plans on 10-13 December 2007
24. Managing Hazardous Wastes Inventory of Hazardous Wastes Workshop on 19 December 2007
25. New Technologies for Safe Abortion: Experience in Nepal on 21 December 2007
26. Environmental Occupational Health Programme on 2 January 2008
27. Sunraise Apartment housing Planning Environmental Impact Assessment Meeting on 28 December 2007
28. Meeting of GAVI HSS Proposal on 3 January 2008

29. Bio Security SPS Legislation and Capacity Building Assessment: The Way Forward on 31 January 2008
30. The Challenge of Palliative Care Development in Nepal on 1 February 2008
31. National Workshop" Clean Indoor Air: The Right to a Healthy Life on 10-11 February 2008
32. District Health Service Management Programme on 12-15 February 2008
33. Drug Pricing Study from Malaysia on 27 February 2008
34. Training Programme on Professional Course on Management and Development on 21 January-26 February 2008
35. Research Output Dissemination Program on 29 February 2008
36. Discussion with Medical Professional Societies on International Standard for TB Care (ISTC) and Public - Private - Private Partnership (PPP) Guideline in TB Control on 1 March 2008
37. Dissemination Workshop on Situation Analysis on Unsafe Abortion in Nepal On 11 March 2008
38. FIGO Initiative on Unsafe Abortion in Nepal on 11 March 2008
39. Public -Private/NGO Partnership in the Health Sector Sharing of Experiences and Best Practices on 24 March, 2008
40. Demonstration/Interaction Program of Rural Information, Gateway Portal on 30 March, 2008
41. Workshop on Quality Assurance and Accreditation University Grants Commission on 4 April 2008
42. Protecting Health From Climate Change on 7 April 2008
43. South Asian Regional Meeting of Interplast Plastic Surgeons in Kathmandu on 26-29 May 2008
44. Workshop of HIV/AIDS Workplace Education Programme on 27-28 May 2008
45. Consultative Meeting on Public Health Degrees and Accreditation on 31 May 2008
46. Environment, Sanitation and Health Services on 6 June 2008
47. Consultative Meeting on Tobacco Free Youth: A Challenge on 8 June 2008
48. Consultative workshop on Report on Effectiveness of ICS in reducing IAP and improving health in Nepal on 11 June 2008
49. Dissemination of the research on Sexual Violence within Marriage among Young Couple in Nepal on 11 June 2008
50. Assessment of Climate Change Vulnerability on Mountain Ecosystems of the Eastern Himalaya-Regional Workshop on 12-13 June 2008
51. DHS Website and content Management System Development on 7 July 2008

Annex – X

NHRC Meetings

Executive Board Meetings

- Total Number of Executive Board Meeting Conducted :10

S.N	Meetings	Date
1.	129 Executive Meeting	2064-04-04/ 2007-07-20
2.	130 Executive Meeting	2064-04-23/ 2007-08-08
3.	131 Executive Meeting	2064-06-03/ 2007-10-10
4.	132 Executive Meeting	2064-06-29/ 2007-10-16
5.	133 Executive Meeting	2064-07-28/ 2007-11-14
6.	134 Executive Meeting	2064-09-18/ 2008-01-02
7.	135 Executive Meeting	2064-10-10/ 2008-01-24
8.	136 Executive Meeting	2064-12-12/ 2008-03-25
9.	137 Executive Meeting	2065-02-16/ 2008-05-29
10.	138 Executive Meeting	2065-03-17/ 2008-07-01

Annex – XI

Ethical Review Board Meetings

- Total Number of Ethical Review Meeting Conducted : 7

S.N.	Meetings	Date
1.	55 ERB Meeting	2064-04-17/ 2007-08-02
2.	56 ERB Meeting	2064-06-01/ 2007-09-18
3.	57 ERB Meeting	2064-08-18/ 2007-12-04
4.	58 ERB Meeting	2064-09-15/ 2007-12-30
5.	59 ERB Meeting	2064-10-28/ 2008-02-11
6.	60 ERB Meeting	2065-01-22/ 2008-05-04
7.	61ERB Meeting	2065-03-14/ 2008-06-28

Annex - XII

NHRC Purchasing Items:

S.N.	Items	Quantity	Total Price Rs.	Sources
1	Panasonic TSC Telephone Set	3 Pcs.	4,950.00	NHRC yearly Budget
2	Phanaphone Set	1 Pc	640.00	NHRC yearly Budget
3	Toyota Land Curser (BA 1 Jha 4350)	1 Pc	900,932.20	MoHP Support
4	Pen Drive 4 GB	1 Pc	5,400.00	NHRC yearly Budget
5	Calculator CT 580	3 Pcs.	1,050.00	NHRC yearly Budget
6	District Profile of Nepal 2007/08	1 Pc	3,000.00	NHRC yearly Budget
7	Honda Shine Motorcycle	1 Pc	128,900.00	NHRC yearly Budget
8	Kristal Scooter	1 Pc	96,585.00	NHRC yearly Budget
9	Helmate	1 Pc	415.00	NHRC yearly Budget
10	Nokia Bluetooth (Head Set)	1 Pc	2,000.00	WHO
11	Samsung Digital Camera	1 Pc	24,973.00	WHO
12	Panasonic Tel. Set	1 Pc	1,350.00	NHRC yearly Budget
13	Dinning Table Set	1 Set	42,940.00	NHRC yearly Budget
14	HP Pabillion Laptop	2 Sets	180,000.00	NHRC yearly Budget
15	Computer Set (Without Monitor)	4 Sets	58,760.00	NHRC yearly Budget
16	VIP Steel Cupboard	1 Pc	8,613.99	NHRC yearly Budget
17	VIP Steel File Cabinet	5 Pcs.	58,324.95	NHRC yearly Budget
18	Aluminium Window Set	5 Sets	61,639.00	NHRC yearly Budget
19	Pen Drive 2 GB	1 Pc	2,373.00	NHRC yearly Budget
20	Pen Drive 8 GB	1 Pc	5,800.00	NHRC yearly Budget
21	2 K.W. Stabilizer	1 Pc	6,550.00	NHRC yearly Budget
22	500 W Stabilizer	1 Pc	1,500.00	NHRC yearly Budget
23	Panatel Tel Set	1 Pc	600.00	NHRC yearly Budget
24	Computer Table	9 Pcs.	25,602.98	NHRC yearly Budget
25	Computer Revolving Chair	9 Pcs.	27,535.28	NHRC yearly Budget
26	Conference Chair	38 Pcs.	65,751.88	NHRC yearly Budget
27	Revolving Chair	4 Pcs.	19,967.10	NHRC yearly Budget
28	Samsung Computer Set	4 Sets	110,740.00	NHRC yearly Budget
29	Pen Drive 1 GB	1 Pc.	650.00	NHRC yearly Budget
30	Fundamental of Computers & IT	1Pc	480.00	Maryknoll Fathers and Brothers
31	English Nepali Comprehensive Dictionary	1Pc	1,775.00	Maryknoll Fathers and Brothers

Annex – XIII

Ongoing Activities

S.N.	Program Under	Title of Activities	No of Activities
1	GoN	Advance training on Health Systems Research Methodology	1
2	GoN	Dissemination of Research Findings	1
3	GoN	Training Workshop on Health Research Proposal Review	1
4	WHO	Disease Surveillances and Assessment of Prevalence of Arsenicosis in 5 most vulnerable areas of Terai	1
5	WHO	Capacity building on environmental burden of disease developing lecture notes and modules for use in health care training institutions	1
6	WHO	Develop the inventory of good practice and adaptation measures to reduce the adverse health implications of climate change in the Context of different ecological settings of Nepal	1
7	WHO	Assessment of emerging health risks due to climate change in Nepal	1
8	WHO	WSS/IAP/Injury Related Disease Burden Estimation especially amongst children in three districts	2
9	WHO	Assess the environmental condition associated with emerging vector borne diseases and develop a manual for corrective actions	2
10	WHO	Study on Antioxidant vitamins and Selenium in the treatment of Arsenicosis Cases	1
11	WHO	Analysis and update of Environmental health situation of Nepal 2009	1
12	WHO	Training on Arsenicosis Case Detection and Management	2
13	MFB	Training to the members of Ethical review Board and Institutional Review committees of research institutions	1
14	MFB	Training to the reviewer and researchers	1
15	MFB	Networking Meeting of Institutional Review Committee	1
16	MFB	NHRC Journal Publication	2
17	GoN	Non Communicable Study Program	1
18	GoN	Study on Status of Free Health Services at the Health Post & Sub Health Post	1
19	GoN	Study on Tropical Disease	1
20	GoN	Assessment of Burden of Disease in Nepal	1
21	GoN	Assessment of Utilization of Health Research Base Recommendation in Health Policy Plan Nepal	1

Annex - XIV

Some Photographs of Programs

1. Training Workshop on Advance Epidemiology



2. National Consultative Meeting on Assessment of National Burden of Disease in Nepal



3. Training Workshop on
Advance Health Systems Research Methodology



4. Dissemination of the Research Findings
Price of Drugs





5. Training Workshop on Good Clinical Practices in Clinical Trials



*6. National Meeting on
Networking of Research Institutions/Organizations*



*7. National Workshop on Climate Change & Human Health:
Potential Impact, Vulnerability & Adaptation in Nepal*



8. Training Workshop on
Health Research Proposal Development



9. Regional Meeting of
South Asian Forum for Health Research (SAFHR)





10. Training Researchers on Writing in Bio-medical Journals



11. Workshop on Writing a Scientific Paper

