



**NEPAL HEALTH RESEARCH COUNCIL**

**ANNUAL REPORT**

Fiscal Year 2081/82 (2024/2025)



# NEPAL HEALTH RESEARCH COUNCIL

## ANNUAL REPORT FY 2081/82 (2024/2025)

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# PREFACE

We are pleased to present the Nepal Health Research Council (NHRC) Annual Report of Fiscal year 2081/82 BS (2024/2025 AD). The report presents an overall overview of the various research studies conducted by the NHRC and its partners, marking significant achievements and milestones during the period. The NHRC is Nepal's primary agency for health research. It aims to produce evidence, direct research work, enhance research competencies, and facilitate the application of research evidence in planning and policy.

This report indicates how dedicated we are toward our objectives and covers numerous studies that we conducted. It discusses vital areas such as non-communicable diseases, nutrition, climate change and health, sickle cell anemia, antimicrobial resistance, global youth and tobacco survey, and population-based cancer registry. Each study recognizes key problems in Nepal and provides strong facts that can be used in forming effective policies and solutions.

The NHRC is keen to develop a robust research culture in Nepal. This report illustrates how we are building skills through training workshops and the dissemination of results of our research. We wish to equip researchers with skills and knowledge so they can conduct good-quality research responding to the health priorities of the country.

Collaboration is highly essential in our work. In this report, we wish to express our gratitude towards our diligent staff, our valuable Executive Committee, and our key partners, such as the Ministry of Health and Population, national and global entities, scientific associations, and private researchers. We highly acknowledge their support and assistance throughout the year, which significantly strengthens health research in Nepal.

This report provides evidence that can inform policymakers, researchers, and anyone who is interested in enhancing the health and well-being of individuals in Nepal. We hope the concepts in this report will assist us in the future and bring us towards a healthier Nepal.

**Prof. Dr. Narayan Bikram Thapa**

Chairperson

Nepal Health Research Council

# ACKNOWLEDGMENT

Nepal Health Research Council is an autonomous and apex body of the Government of Nepal to promote and coordinate high-quality health research in Nepal. NHRC was established in 1991 by an Act of Parliament and is responsible for promoting and coordinating health research to improve the health status of the people. NHRC aims to create a conducive environment for health research and help researchers and research institutions in enhancing their research capacity.

NHRC is mainly responsible for research regulation, evidence generation, capacity building and promoting the use of evidence in policy and planning in Nepal.

It is my great privilege to bring out the annual report of the NHRC for the fiscal year 2081/82 (2024/2025). This report reflects the activities implemented within the last fiscal year and also highlights the achievements that have been accomplished so far. It aims to share information about the research activities carried out to promote health research and improve utilization of the research findings for the development of the health policy of Nepal. I am grateful to the Executive Committee of NHRC for their policy and strategic direction for the implementation of research activities.

I would like to express my sincere gratitude to Mr. Subodh Kumar Karna, Chief of the Finance Administration Section; Dr. Meghnath Dhimal, Chief of the Research Section; Mr. Saraswati Prasad Bhattarai, Store/Administrative Officer, Ms. Namita Ghimire, Chief, Ethical Review, Monitoring, and Evaluation Section; Mr. Chandra Bhushan Yadav, Library & Information Officer; Mr. Pradeep Belbase, Training Assistant, Mr. Sudip Paudel, Journal section, and Mr. Subash Ghising, Admin Assistant for their contribution to accomplish the activities planned in the fiscal year 2081/82. I am also thankful to Dr. Bishnu Prasad Marasini, Senior Research Associate, Ms. Babita Bhatta, Admin Associate; and Ms. Elina Khatri, Ms. Kusum Shahi and Ms. Sunita Baral, Mr. Dilip K.C, Mr. Rajesh Gautam, Ms. Swosti Manandhar, Ms. Kabita Dhami, Ms. Sujata Acharya, Ms. Puspa Basnet, Ms. Ranjana Chataut and Dr. Renu Twanabasu Research Associates, Ms. Upama Ghimire, and Dr. Roshan Bhatta Consultant, Ms. Prakriti Sharma, Ms. Onisha Gumanju Shrestha, Ms. Dipa Nepal for providing the data and information for this report.

I am also deeply thankful to Ms. Sailaja Ghimire, Research Associate, and Bishal Dahal Khatri, Research Assistant for their dedicated efforts in compiling and preparing this annual report.

**Dr. Pramod Joshi**

Member Secretary - Executive Chief  
Nepal Health Research Council

# TABLE OF CONTENTS

|                                                                                                                                                                      |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>PREFACE</b>                                                                                                                                                       | <b>I</b>   |
| <b>ACKNOWLEDGEMENTS</b>                                                                                                                                              | <b>II</b>  |
| <b>ACRONYMS</b>                                                                                                                                                      | <b>V</b>   |
| <b>EXECUTIVE SUMMARY</b>                                                                                                                                             | <b>VII</b> |
| <b>INTRODUCTION</b>                                                                                                                                                  | <b>1</b>   |
| BACKGROUND                                                                                                                                                           | 1          |
| OBJECTIVES OF NHRC                                                                                                                                                   | 1          |
| ORGANIZATION STRUCTURE OF NHRC                                                                                                                                       | 2          |
| ROLES/ DUTIES AND FUNCTION OF NHRC                                                                                                                                   | 2          |
| OBJECTIVE OF THE NHRC ANNUAL REPORT                                                                                                                                  | 3          |
| <b>GENERAL ADMINISTRATION AND FINANCIAL ADMINISTRATION DIVISION</b>                                                                                                  | <b>4</b>   |
| FINANCE ADMINISTRATION SECTION                                                                                                                                       | 4          |
| ACTIVITIES OF THE NHRC ADMINISTRATION SECTION FOR THE FISCAL YEAR 2081/82                                                                                            | 4          |
| RECRUITMENT OF HUMAN RESOURCES                                                                                                                                       | 4          |
| NHRC REPRESENTATION IN NATIONAL AND INTERNATIONAL PROGRAMS                                                                                                           | 4          |
| FUNDING PARTNERS OF NHRC                                                                                                                                             | 4          |
| LIBRARY AND INFORMATION SECTION                                                                                                                                      | 5          |
| MAJOR ACHIEVEMENTS                                                                                                                                                   | 5          |
| COLLECTIONS, ACCESS & USER SERVICES                                                                                                                                  | 5          |
| DIGITAL INITIATIVES & PLATFORM IMPROVEMENTS                                                                                                                          | 5          |
| CAPACITY-BUILDING, OUTREACH & PARTNERSHIPS                                                                                                                           | 6          |
| CHALLENGES ENCOUNTERED                                                                                                                                               | 6          |
| PLANS & PRIORITIES FOR NEXT FISCAL YEAR                                                                                                                              | 6          |
| <b>RESEARCH DIVISION</b>                                                                                                                                             | <b>7</b>   |
| RESEARCH AND PROGRAM SECTION                                                                                                                                         | 7          |
| RESEARCH UPTAKE                                                                                                                                                      | 7          |
| ENDLINE AND ACCEPTABILITY STUDY ON RICE FORTIFICATION PROGRAM IN NEPAL                                                                                               | 7          |
| PREVALENCE OF SELECTED NON-COMMUNICABLE DISEASES AMONG CHILDREN AND ADOLESCENTS IN NEPAL: A CROSS-SECTIONAL PILOT STUDY                                              | 10         |
| ASSESSING THE PERCEPTION OF HEALTH PROFESSIONALS ON CLIMATE CHANGE AND HEALTH IN NEPAL                                                                               | 11         |
| <a href="#">SOCIOECONOMIC STATUS AND BARRIERS TO EDUCATION AND HEALTH INSURANCE AMONG THE MUSAHAR COMMUNITY IN BUDHIGANGA RURAL MUNICIPALITY OF MORANG DISTRICTS</a> | 12         |
| <a href="#">IN VITRO AND IN SILICO APPROACHES TOWARD ANTIDIABETIC DRUG DISCOVERY FROM NEPALESE MEDICINAL PLANTS USED TRADITIONALLY FOR DIABETES LIKE DISEASES</a>    | 12         |
| FACTORS AFFECTING CHILDHOOD EXPOSURE TO URBAN PARTICULATES (FACE-UP)                                                                                                 | 13         |
| GLOBAL YOUTH TOBACCO SURVEY (GYTS)                                                                                                                                   | 14         |
| ASSESSMENT OF PREPAREDNESS OF COVID-19 VACCINATION PROGRAM AT LOCAL GOVERNMENT LEVEL IN NEPAL                                                                        | 15         |
| POPULATION BASED CANCER REGISTRY IN NEPAL                                                                                                                            | 16         |

|                                                                                                                    |           |
|--------------------------------------------------------------------------------------------------------------------|-----------|
| STUDY ON HEMOGLOBINOPATHIES AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE (G6PD) DEFICIENCY<br>IN TERAİ DISTRICTS OF NEPAL | 17        |
| ELEVENTH NATIONAL SUMMIT                                                                                           | 17        |
| ETHICAL REVIEW AND REGULATION SECTION                                                                              | 18        |
| ERB ACTIVITIES                                                                                                     | 19        |
| CAPACITY BUILDING SECTION                                                                                          | 22        |
| PUBLICATION OF JOURNALS                                                                                            | 22        |
| CONDUCTION OF TRAININGS                                                                                            | 22        |
| <b>ANNEXES</b>                                                                                                     | <b>23</b> |
| NHRC REPRESENTATION IN INTERNATIONAL PROGRAMS                                                                      | 23        |
| ANNEX: LIST OF APPROVED RESEARCH PROPOSALS BY THE ETHICAL REVIEW BOARD                                             | 24        |
| LIST OF WITHDRAWN PROPOSALS                                                                                        | 70        |
| LIST OF PENDING PROPOSALS                                                                                          | 71        |
| DATES OF EXPEDITED REVIEW MEETINGS                                                                                 | 71        |
| DATES OF ETHICAL REVIEW BOARD MEETINGS                                                                             | 72        |
| DATES OF IRC ACCREDITATION SUB-COMMITTEE MEETINGS                                                                  | 72        |
| ONGOING STUDIES FOR MONITORING VISIT FOR DIFFERENT DISTRICTS                                                       | 72        |

## LIST OF TABLES

|                                                                         |    |
|-------------------------------------------------------------------------|----|
| Table 1: Executive Board Meeting                                        | 4  |
| Table 2: Research Projects of the Fiscal Year 2081/82                   | 7  |
| Table 3: Summary of the activities done by Ethical Review M & E Section | 19 |
| Table 4: Published issues in the FY 2081/82                             | 22 |
| Table 5: Number of trainings conducted                                  | 22 |

# ACRONYMS

|         |                                                                             |
|---------|-----------------------------------------------------------------------------|
| ADHD    | Attention-Deficit/Hyperactivity Disorder                                    |
| CDC     | Centers for Disease Control and Prevention                                  |
| CKD     | Chronic Kidney Disease                                                      |
| DFTQC   | Department of Food Technology and Quality Control                           |
| DHIS2   | District Health Information Software 2                                      |
| DM      | Diabetes Mellitus                                                           |
| EPHP    | Evidence to Public Health                                                   |
| ERB     | Ethical Review Board                                                        |
| FA5     | Framework Agreement Five                                                    |
| FACE-UP | Factors Affecting Childhood Exposure to Urban Particulates                  |
| FCHV(s) | Female Community Health Volunteer(s)                                        |
| FERCAP  | Forum for Ethical Review Committees in the Asian and Western Pacific Region |
| FGD     | Focus Group Discussion(s)                                                   |
| FMTCL   | Food Management and Trading Company Limited                                 |
| FRK     | Fortified Rice Kernels                                                      |
| GACD    | Global Alliance for Chronic Diseases                                        |
| GYTS    | Global Youth Tobacco Survey                                                 |
| IARC    | International Agency for Research on Cancer                                 |
| ICADL   | International Conference on Asia Pacific Digital Libraries                  |
| ICIMOD  | International Centre for Integrated Mountain Development                    |
| ID      | Intellectual Disability                                                     |
| IDI     | In-Depth Interview(s)                                                       |
| IIMB    | Indian Institute of Management, Bangalore                                   |
| INGO(s) | International Non-Governmental Organization(s)                              |
| IOM     | Institute of Medicine                                                       |
| IOM     | International Organization for Migration                                    |
| IRC     | Institutional Review Committee                                              |
| IRERP   | Integrated Research Ethical Review Platform                                 |
| ITB     | Institute Technology Bandung (ITB)                                          |
| ITM     | Institute of Tropical Medicine                                              |

|         |                                                          |
|---------|----------------------------------------------------------|
| JNHRC   | Journal of Nepal Health Research Council                 |
| KII     | Key Informant Interview(s)                               |
| LMIC(s) | Low- and Middle-Income Country / Countries               |
| LMICs   | Low and Middle-Income Countries                          |
| M & E   | Monitoring and Evaluation                                |
| MoHP    | Ministry of Health and Population                        |
| MoU     | Memorandum of Understanding                              |
| N4G     | Nutrition for Growth                                     |
| NCD(s)  | Non-Communicable Disease(s)                              |
| NEPMED  | Nepal MEDLINE                                            |
| NGO(s)  | Non-Governmental Organization(s)                         |
| NHMRC   | National Health and Medical Research Council (Australia) |
| NHRC    | Nepal Health Research Council                            |
| ODK     | Open Data Kit                                            |
| OMR     | Optical Mark Recognition                                 |
| PAP     | Particulate Air Pollution                                |
| PBCR    | Population-Based Cancer Registry                         |
| PPE     | Personal Protective Equipment                            |
| PTA     | Post-trial access                                        |
| QA      | Quality Assurance / Quality Control                      |
| rCSI    | reduced Coping Strategies Index                          |
| SDG     | Sustainable Development Goal                             |
| SOP     | Standard Operating Procedure                             |
| SPSS    | Statistical Package for the Social Sciences.             |
| TU      | Tribhuvan University                                     |
| UNICEF  | United Nations Children's Fund                           |
| VBD(s)  | Vector-Borne Disease(s)                                  |
| WFP     | World Food Program                                       |
| WHO     | World Health Organization                                |
| WP      | Work Package(s)                                          |
| WRA     | Women of Reproductive Age                                |

# EXECUTIVE SUMMARY

Nepal Health Research Council (NHRC) is the apex body to promote health research nationwide. It was established under the NHRC Act 1991 (2047 BS) with the aim of conducting, promoting, and coordinating for the betterment of the health status of Nepalese People. NHRC is publishing annual report each year since its establishment with the main aim of compiling all the activities carried out in NHRC in a systematic order and to disseminate information about the activities. This annual report includes an introduction of NHRC that has five chapters namely: Administration, Health Research, Ethical Review, Library, and Information and Publication.

Administration reports governance activities (six Executive Board meetings in the fiscal year), staff recruitment and staffing updates, NHRC representation in national/international programs, and funding partners and budgets (Government budget plus partner grants). The report lists meeting dates and notes recruitment drives and coordination with the Public Service Commission.

The health research section includes completed research studies and ongoing research studies. These are Research Uptake, the Global Youth Tobacco Survey, Rice Fortification endline and acceptability, FACE-UP, the Population Based Cancer Registry, NCD research on certain children and adolescents, COVID-19 vaccination preparedness, discovery of new medicines in plants for medicine, research in the Musahar population, and FA5/CLIMB climate research studies. Some key findings are: an extremely high rate of asthma in the NCD pilot (21.7%), improved diet in the rice-fortification endline, good COVID-19 vaccine coverage with lessons learnt locally, and encouraging lab results for certain medicines from plants. The research uptake activity has included disseminating the Annual Report and working on a dengue policy brief.

NHRC's ERB and Institutional Review Committees ensure ethical guidelines are adhered to; ERB remains approved by FERCAP. The chapter discusses how ethical checks, monitoring, and M&E procedures were implemented throughout the year.

The NHRC library has initiated significant digitization efforts such as broadening the NEPMED repository, enhancing access by Research4Life/HINARI, refreshing the KOHA e-Library catalogue, and enhancing the VuFind discovery portal. Reference service, training support (though in limited additional funding), and expansion of the NEPMED, training, and digitization preservation are planned for the future by the NHRC library.

NHRC conducted frequent training on preparing research proposals across various provinces. The Journal of NHRC continued publishing regular issues (Issues 64–66 is part of the list), and the publishing section assisted with various kinds of articles. Capacity development assisted in enhancing proposal preparation, research ethics, and data management work.



# INTRODUCTION

## BACKGROUND

Nepal Health Research Council (NHRC) is the national apical body established to promote health research nationwide. NHRC was established under the Nepal Health Research Council Act 1991 (2047BS) of the Nepal Government in 1991 and is responsible for health research conduction, promotion and coordination for the betterment of the health status of Nepalese people.

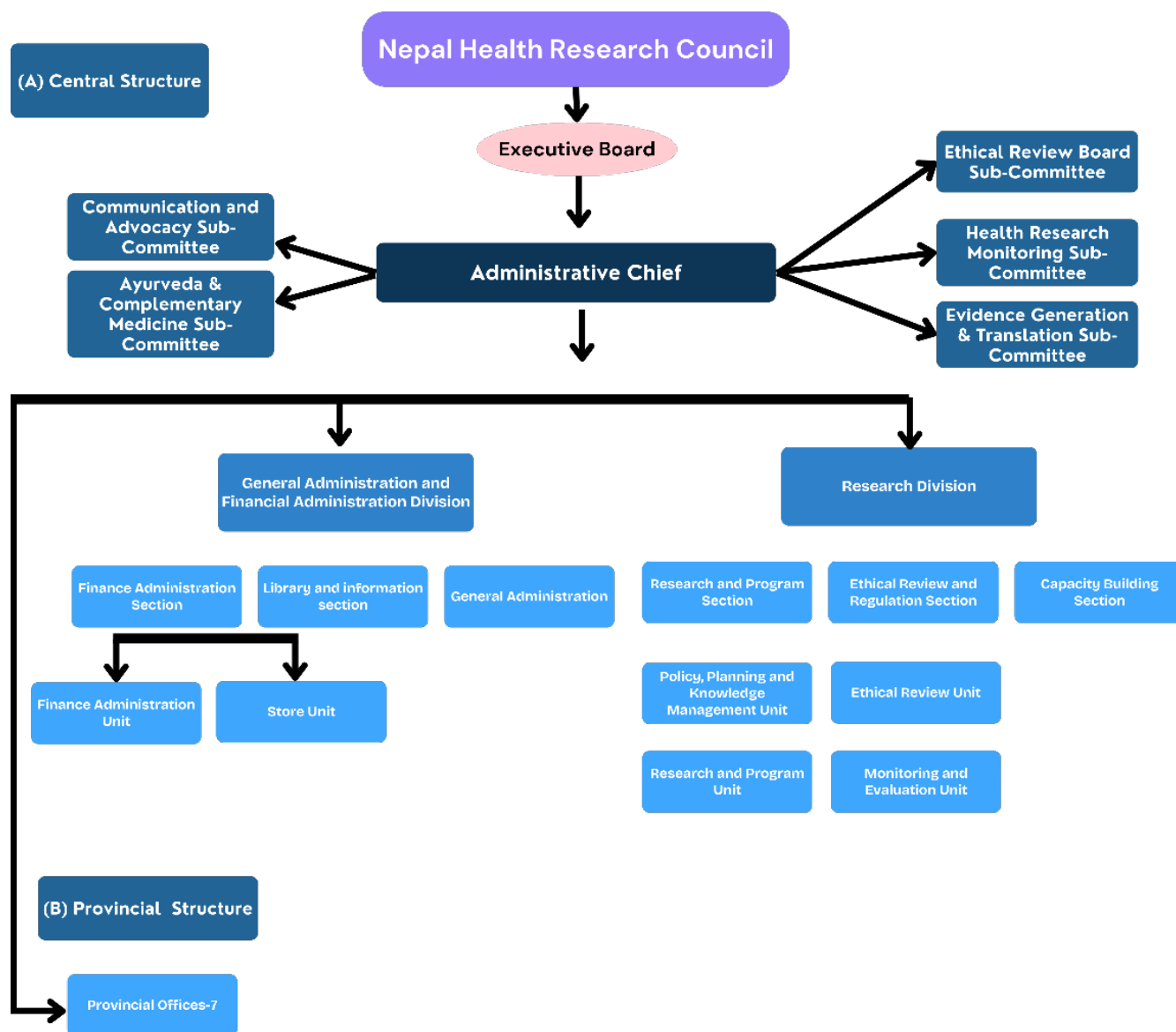
The major focus areas of NHRC have been research regulation, evidence generation including translation into policy and practice, and research capacity building. It is the national organization responsible for the technical and ethical review of proposals submitted by individual health researchers, national authorities, research institutions, non-governmental organizations (NGOs), international non-governmental organizations (INGOs), and universities. After appropriate review, these proposals are approved by the Ethical Review Board (ERB) of NHRC. In its role of generating evidence, it carries out research on its own on national priorities and has a major focus on national representative studies. Finally, in its role of research capacity building, it provides training on various aspects of health system research methodology to aspiring researchers to develop a critical mass of people who can develop good quality research proposals. NHRC aims to maintain high levels of technical and ethical standards of research carried out in Nepal.

NHRC has been providing health research grants to researchers to promote research culture throughout the country. It also conducts research training, workshops, and dissemination programs in development regions to promote research activities and the generation of evidence. NHRC also facilitates access to research findings from different research reports, journals, books, magazines, etc. through the library and digital database.

## OBJECTIVES OF NHRC

- 1) To do or cause to do study and research on health problems and issues being encountered or likely to be encountered in future.
- 2) To conduct programs relating to consultancy services and information to make the study and activities relating to health research more useful.
- 3) To acquire global and national level evidence on health-related problems, and inform the government of Nepal for evidence-based policy making and planning.

## ORGANIZATION STRUCTURE OF NHRC



**Figure Organization Structure of NHRC**

## ROLES/ DUTIES AND FUNCTION OF NHRC

- Subject to the health policy of the Government of Nepal, to do, or cause to be done, study and research works on health within Nepal.
- To formulate policies on both basic and applied study and research works on health.
- To do research on health system, biomedical health service, food, behavior and decency and do, or cause to be done, study on prevention, diagnosis, treatment of diseases and ailments.
- To specify priority sectors of study and research relating to health.
- To give consent for study and research works on health, fix priority and make recommendation to the Government of Nepal.
- To coordinate, guide and assess research works on health and render necessary advice.
- To publish and publicize health related knowledge, experience and outputs of research and exchange

information at the national and international levels.

- To do research works on health within Nepal, and where a research work is to be done in an area where facility is not available, to give approval to undertake some part of research abroad.
- To provide prize, scholarships and travel allowance as required to a person or organization who does research on health.
- To maintain records of health-related research works

## **OBJECTIVE OF THE NHRC ANNUAL REPORT**

The main objective of publishing the NHRC annual report for this fiscal year 2081/82 is to compile all the activities carried out in NHRC in a systematic order and to disseminate information about the activities to Government of Nepal and other stakeholders. Nepal Health Research Council's Act, 1991 Section 17 states that the Council shall have to submit an annual report of its activities to the Government of Nepal at the end of every fiscal year which is the main motive for the publication of this annual report.

# GENERAL ADMINISTRATION AND FINANCIAL ADMINISTRATION DIVISION

## FINANCE ADMINISTRATION SECTION

The administration section of NHRC is responsible for performing daily operations, overseeing staff, and maintaining records. There is a general and personal administration unit under the administration section of NHRC.

## ACTIVITIES OF THE NHRC ADMINISTRATION SECTION FOR THE FISCAL YEAR 2081/82

NHRC has conducted six board meetings within this period.

**Table 1: Executive Board Meeting**

| S.N. | Number of Meetings          | Date       |
|------|-----------------------------|------------|
| 1.   | 219 Executive Board Meeting | 2081/04/01 |
| 2.   | 220 Executive Board Meeting | 2081/06/18 |
| 3.   | 221 Executive Board Meeting | 2081/09/12 |
| 4.   | 222 Executive Board Meeting | 2081/09/23 |
| 5.   | 223 Executive Board Meeting | 2081/12/08 |
| 6.   | 224 Executive Board Meeting | 2082/03/16 |

## RECRUITMENT OF HUMAN RESOURCES

On 16th August 2023, Mr. Bikram Prasad Pandey, under-secretary, internal administration section of the Ministry of Health and Population, was nominated as the MoHP representative to represent the recruitment committee. The 211th Executive Board Member meeting decided to appoint twenty-eight staff on various posts and levels on a contract basis to carry out regular activities of the council. Based on the bylaws of NHRC 2079, a letter was sent to Public Service Commission demanding a vacancy of 70 human resources in various post on 11th December 2023. A subcommittee was formulated for the preparation of the required syllabus and other preliminary preparations on 3rd January 2024. Later, Mr. Bhakta Raj Joshi, under-secretary, MOHP was nominated as the MoHP representative to represent the recruitment committee on 2nd July 2024. However, 28 staffs were taken through examination on contract to carry out the regular activities of NHRC. All the staff were appointed on the date 2081/06/13.

## NHRC REPRESENTATION IN NATIONAL AND INTERNATIONAL PROGRAMS

NHRC represented in various national and international programs related to health research, and policy. NHRC Executive Board Members, Ethical Review Board members as well as NHRC staff participated in national and international workshops, seminars, meetings, and forums. [Annex 1]

## FUNDING PARTNERS OF NHRC

NHRC has been receiving a regular annual budget since 2000 AD from the Government of Nepal. The Government of Nepal's fiscal year budget starts from Shrawan (July 16) and ends at Ashad (July 15). In the fiscal year 2081/82, NHRC has received a total of NRs. 139996267.30 for various projects such as Research uptake, Sickle cell anemia, non-communicable diseases (NCDs), etc. from the Government of Nepal.

Additionally, NHRC receives a budget from different partners for the conduction of research. For instance, NHRC has received a budget from the United Nations Children's Fund (UNICEF) Nepal, to research NCDs among children; WFP Nepal for conducting research on nutrition in Nepal and the Centers for Disease Control and Prevention (CDC) has provided funds to conduct research on COVID-19 vaccination. Also, the Institute of Tropical Medicine (ITM) Belgium has provided funds to conduct different research and training activities on climate change and vector-borne diseases (VBDs).

## **LIBRARY AND INFORMATION SECTION**

The NHRC library was established to provide research-based health information. It is being utilized by all health and related professionals involved in research activities. It serves as a repository for health research-related information and resources.

### **MAJOR ACHIEVEMENTS**

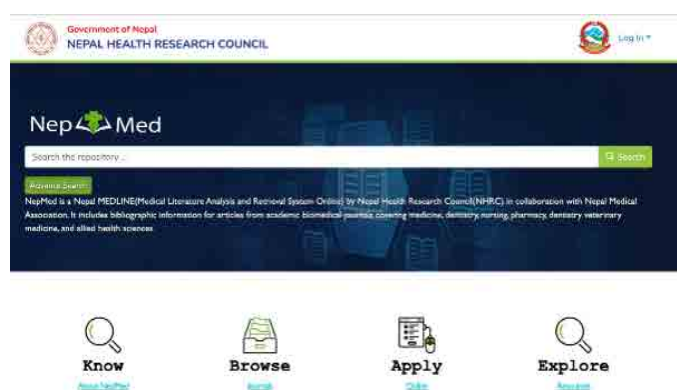
- NEPMED repository launched/expanded: The NHRC Library developed and promoted a web-based NepMed (Nepal MEDLINE / health journal repository) as part of its digital-access initiatives, making Nepal-produced health literature more findable and preservable. <https://nepmed.nhrc.gov.np/home>
- Expanded digital resource access via Research4Life: The library continued to provide institutional access to HINARI (Research4Life), enabling users to reach thousands of journals and e-books.
- Capacity building and training: "The library organized and supported training related to digital resources. However, this year the section did not conduct any training due to a lack of funds."

### **COLLECTIONS, ACCESS & USER SERVICES**

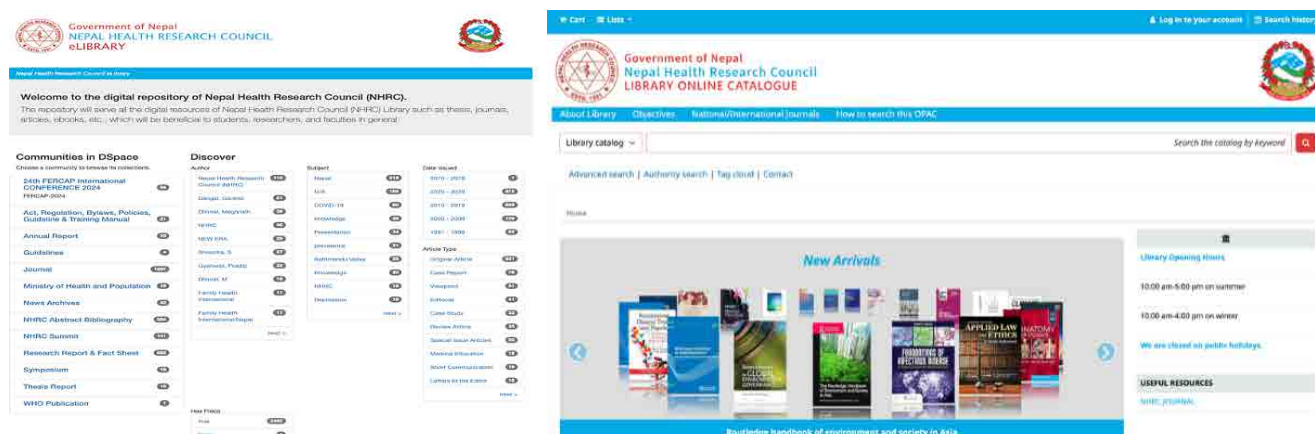
- **Digital repository (eLibrary / NEPMED):** The NHRC digital repository continued to grow, hosting theses, journals, conference proceedings, and NHRC publications — improving discoverability and long-term preservation of Nepali health research. The repository is publicly accessible and maintained by the library team.
- **International e-resources:** Through Research4Life programmes, the library offers access to a broad suite of peer-reviewed journals and e-books. These resources are central to fulfilling user requests and conducting evidence searches.
- **On-site services:** Reference and literature-search support, document delivery for internal researchers, journal awareness (current awareness) services, and assistance with manuscript preparation and indexing.

### **DIGITAL INITIATIVES & PLATFORM IMPROVEMENTS**

- **NEPMED (web-based journal repository):** Implemented improvements and content additions to make national journals easier to discover and cite. This supports national publishing visibility and local researchers' access to Nepal-specific evidence which can be assessed on <https://nepmed.nhrc.gov.np/home>.
- **eLibrary maintenance & metadata:** Continued enhancements to metadata, DOI/handle linking, and regular ingest of NHRC publications into the DSpace-based eLibrary. [elibrary.nhrc.gov.np](http://elibrary.nhrc.gov.np) (2492 Full Text of report)

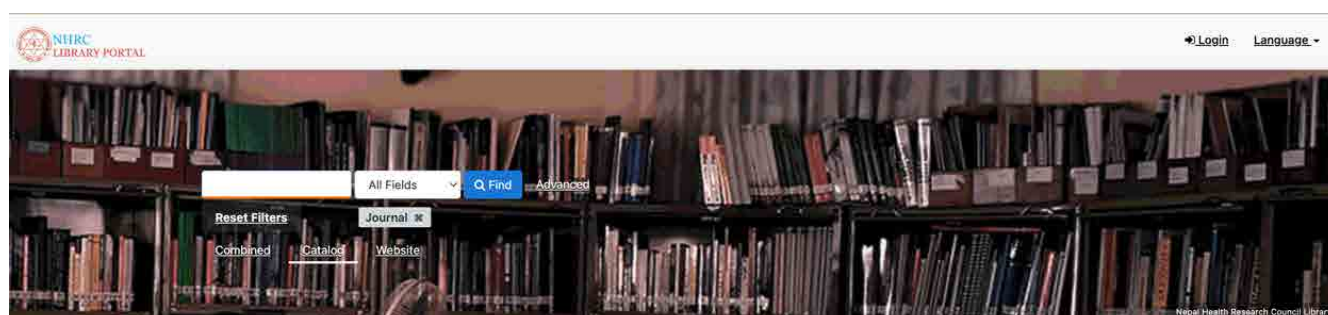


- **Online Catalogue:** Continued enhancements to metadata in the Catalogue into the KOHA Automation-based eLibrary. <https://opac.nhrc.gov.np/> (3163 resources)
- **VuFind System:** VuFind serves as a user-friendly portal, allowing NHRC library users to search and browse the entire collection, including Webpage, Catalogue, and e-library.



## CAPACITY-BUILDING, OUTREACH & PARTNERSHIPS

- **Trainings & workshops:** The library contributed to NHRC trainings (proposal development, research ethics awareness sessions, data management & analysis workshops), and provided sessions focused on the use of Research4Life for researchers and students.
- **National & international networking:** NHRC Library maintained networks with other health research libraries and international initiatives to strengthen resource sharing and training (Research4Life user engagement and national outreach).



## CHALLENGES ENCOUNTERED

- **Sustainability of subscriptions and procurement:** Ensuring continued financial support for print and electronic acquisitions in the context of limited budgets.
- **Awareness & training coverage:** Need to scale training so that researchers across Nepal can make full use of digital resources (Research4Life/HINARI).
- **Digital preservation capacity:** Continuous improvement is required in metadata workflows and repository ingest to keep pace with growing digital outputs.

## PLANS & PRIORITIES FOR NEXT FISCAL YEAR

- **Scale NEPMED content and indexing** — add more Nepalese journal back issues, improve metadata, and integrate with international discovery services.
- **Broaden capacity building** — roll out additional training on literature searching, systematic review methods, reference management, and Research4Life tools across regional partner institutions.
- **Strengthen digital preservation** — enhance repository policies, backups, and metadata standards for long-term preservation and discoverability.
- **User services improvement** — faster document delivery, enhanced virtual reference, and expanded hours for remote users where feasible.

# RESEARCH DIVISION

## RESEARCH AND PROGRAM SECTION

The research section of NHRC is responsible for conducting various research projects, including research planning, management, and dissemination. Table 2 shows the research activities that have been conducted in the fiscal year 2081/82.

**Table 2: Research Projects of the Fiscal Year 2081/82**

| Name of the projects                                                                                                                                | Project Status |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Research Uptake                                                                                                                                     | Completed      |
| Endline and Acceptability Study on Rice Fortification Program in Nepal                                                                              | Completed      |
| Prevalence of Selected Non-Communicable Diseases among Children and Adolescents in Nepal: A Cross-Sectional Pilot Study                             | Completed      |
| Assessing the Perception of Health Professionals on Climate Change and Health in Nepal                                                              | Ongoing        |
| Socioeconomic Status and Barriers to Education and Health Insurance among the Musahar Community in Budhiganga Rural Municipality of Morang District | Ongoing        |
| In Vitro and In Silico Approaches Toward Antidiabetic Drug Discovery from Nepalese Medicinal Plants used Traditionally for Diabetes like Diseases   | Ongoing        |
| Factors Affecting Childhood Exposures to Urban Particulates in Nepal (FACE-UP)                                                                      | Completed      |
| Global Youth Tobacco Survey                                                                                                                         | Ongoing        |
| Assessment of Preparedness of COVID-19 Vaccination Program at Local Government Level in Nepal                                                       | Completed      |
| Population-Based Cancer Registry                                                                                                                    | Ongoing        |
| Study on Hemoglobinopathies and Glucose-6-Phosphate Dehydrogenase (G6PD) Deficiency in Terai Districts of Nepal                                     | Ongoing        |
| Eleventh National Summit                                                                                                                            | Completed      |

## RESEARCH UPTAKE

Research uptake refers to the process of ensuring that research findings are effectively communicated, shared, and applied to inform policies, programs, and practices. In this fiscal year, we developed the Annual Report, which was disseminated by the Honorable Health Minister, highlighting our key achievements and findings. Additionally, we are currently developing a policy brief on dengue prevention and control to support evidence-based decision-making and strengthen public health interventions.

## ENDLINE AND ACCEPTABILITY STUDY ON RICE FORTIFICATION PROGRAM IN NEPAL

Malnutrition, especially micronutrient deficiency (e.g., iron, vitamin A, zinc, among others.), remains a major nutritional problem in Nepal. Although recent studies have shown some progress, deficiencies remain persistently high. According to the latest National Demographic Health Survey data, the prevalence of anemia is reported to be 43 percent among children under five and 34 percent among women of reproductive age (WRA). Both figures are higher than global benchmarks. Rice fortification is one of the

strategic measures to address these deficiencies, as rice is the staple diet of Nepal and is consumed widely across the country. In addition to fortification, it is important to promote dietary diversity and ensure the implementation of hygiene and food safety standards. Under this research project, two major studies were done. Qualitative study to explore the acceptance of fortified rice in the communities of Karnali Province, whereas, qualitative study was done as part of the endline assessment of the of the project.

### **Perceptions and Acceptance of Fortified Rice in Communities: A Qualitative Study**

This study examined the perceptions and acceptance of fortified rice at the community level, while also investigating stakeholder perceptions and recommendations for the successful implementation and future design of the rice fortification program in Karnali Province. A phenomenological study design was used to explore the lived experiences, perceptions, and meanings individuals attach to fortified rice. This study was conducted at 10 different local levels across five districts of Karnali Province between January and May 2025. For the study, focus group discussion (FGD) and in-depth interviews (IDIs) were conducted with diverse groups of participants, including beneficiaries and non-beneficiaries of fortification rice whereas key informant interviews (KIIs) were conducted among local-level representatives and rice distributors. In total, 10 FGDs, 10 IDIs, 10 KIIs, and 5 cases of successful stories were included in the study.

Several participants stated that their sources of information about fortified rice were Radio, Facebook posts, newspapers, distributors, community representatives, word of mouth (e.g. neighbors), screening visits to health workers and media and advertisements. Some of them also informed that the fortified rice distributed by the government of Nepal backed by the World Food Program and the food management and trading center itself was a source of their information. The key sources of information included; They first heard about it through orientation sessions by the food department, anemia-screening visits, via MoHP staff, and also knew about it by reading clear labeling on rice sacks. They also learned about fortified rice through local media channels, especially radio. Several participants even recalled hearing repeated announcements via FM radios.

Participants reported different cooking patterns for fortified rice. Some cooked it on its own, while most blended it with local rice varieties—especially red or ‘Masino’ rice—in ratios ranging from 50:50 up to 75 percent fortified rice. They also stated to have used the fortified rice for cultural and ritual purposes like preparing food and offering to God, as well as the use of fortified rice on different occasions like putting Tika in Dashain.

Karnali Province communities have overwhelmingly taken up fortified rice due to its subsidized price, regular availability, and perceived health benefits. Although the usual pattern includes blending fortified rice with local varieties of rice, occasional worries about quality and common misconceptions regarding fortified rice persist. Similarly, gaps in behavior change activities, increased transport costs, and lack of local awareness remain significant barriers to its wider acceptance. To keep up with the current acceptance and ensure that needy people intake the required micronutrients, stakeholders should promote increased community involvement through tailored training programs, quality control for fortification processes, and decentralization of distribution structures so that fortified rice can more comprehensively sustain micronutrient intake gains, even in Nepal's most remote areas.

### **Acceptability of Rice Fortification Programme in Nepal: An Endline Assessment**

This study is based on community survey, policy review and rice mills assessment. It was conducted between 9 and 23 March 2025 and employed a mixed-method approach where the qualitative component involved IDI with representatives from 19 rice mills—including five Food Management and Trading Company Limited (FMTCL) and 14 private mills—across six provinces. Likewise, the quantitative component included a population-based cross-sectional study among 4 hundred 25 WRA and primary caretakers of 5 hundred 86 children under years of age, conducted in five districts of Karnali Province between February and March 2025. Participants were selected using multistage cluster sampling, and data were collected using semi-structured questionnaires on sociodemographic factors, dietary practices, food security, and knowledge and perceptions of fortified rice.

Findings revealed that the mean age of WRA was 31.8 years, with the average age at marriage being 17.6 years. A significant proportion (37 percent) of WRA were illiterate. The proportion of WRA meeting the minimum dietary diversity increased from 46.6 percent at baseline to 61.2 percent, with a corresponding rise in the mean dietary diversity score from 4.6 to 5.5. Among children, the mean age was 31 months, 93 percent were breastfed within the first hour of birth, and nearly all were age-appropriately immunized. Dietary diversity among children aged between six and 23 months also improved, with 69.7 percent meeting adequate nutritional diversity compared to 47 percent at baseline. About 60 percent met the minimum acceptable diet criteria.

The average reduced Coping Strategies Index (rCSI) declined from 3.3 to 2.7, indicating reduced reliance on food-related negative coping mechanisms. Approximately 76 percent of households had acceptable food consumption levels, and 80.4 percent had adequate dietary diversity. Among infants aged between six and 11 months, 59.7 percent consumed less than 150g of cooked rice daily, with a low mean intake of 169.5g. Per capita rice consumption was higher in households with five or fewer members (371.2 grams per day) compared to those with more than five members. Out of 954 households' 57.5 percent of households owned paddy land, 91 percent of them reported that their rice production lasted less than six months, highlighting a heavy reliance on market purchases. Most households (57.5 percent) sourced rice from FMTCL, while 38.9 percent purchased from local markets whereas 1.6 percent purchased from both local market and FMTCL, and 2.1 percent did not need to purchase.

Participants showed a mixed level of knowledge, perception, and practice regarding fortified rice. Awareness was relatively high—61.2 percent had heard of fortified rice and 58.3 percent knew it was available in their communities. This marks a significant increase from the baseline study, in which only 2 percent of participants had heard of fortified rice. However, understanding remained limited—only 47.8 percent correctly identified nutrient-enriched rice as fortified rice and recognized its associated health benefits. Despite this, attitudes were positive: 83.3 percent expressed willingness to try fortified rice, and 54.5 percent believed it could improve community nutrition. These findings suggest strong potential for fortified rice acceptance, especially if barriers such as limited information, availability, and affordability are addressed through targeted communication and improved distribution channels.

Regarding the operational status of the FMTCL mills, a total of four mills/ blending units were found to have been engaged in fortified rice production: Thapathali (Kathmandu) in Bagmati Province, Janakpur in Madhesh Province, Rajapur in Lumbini Province, and Surkhet in Karnali Province. Almost all mills had the necessary technical human resources and infrastructures to operate the blending equipment. In the case of the private sector, all 14 mills had an average level of operational status, although six showed strong technical capacity. Two mills were found to have trained technical staff so they did not face human resource challenges, one of them even held an ISO certification. It was found that mills had personnel with knowledge of rice fortification but no experience operating blending machines, many lacked sufficient human resources, technical staff, laboratory readiness, equipment, and accessories. Four also demonstrated poor hygiene practices. Awareness of fortified rice was low among smaller mills, with only large-scale mills showing familiarity.

In terms of production capacity and quality control, FMTCL mills were found to have followed quality assurance/ quality control (QA/QC) systems as per guidelines. Although they lacked required laboratory facilities for testing Fortified Rice Kernels (FRK) and fortified rice. Typically, each mill processed 4 to 5 tons of rice per day, with operating double shifts to meet production targets. Food technologists were present for quality control, and raw materials were sourced after passing quality checks. However, during interviews, the need for improved lab infrastructure and equipment was emphasized. Only Rajapur had been actively producing rice (both regular and fortified), its production was temporarily halted as warehouses were stocked and no new production or demand had been created. Among the 14 private mills, only two had appointed quality control officers. Their production capacities ranged from one to four tons per hour, with three mills demonstrating effective quality control systems including via outsourced quality control human resources. Still, most private mills lacked technical staff required for

rice fortification, space, laboratory capacity, and proper hygiene sanitation. Despite these gaps, most of the owners of the mills expressed willingness to engage in rice fortification.

This study also looked at policy landscape considering fortification needs in the context of Nepal's sociocultural and economic backgrounds and findings of research and studies on micronutrient status of the country. Nepal continues to face 'hidden hunger' caused by persistent micronutrient deficiencies, particularly iron deficiency, anemia, zinc deficiency, and vitamin A deficiency. Given the central role of rice in the national diet, fortifying rice presents a cost-effective and scalable strategy to address these public health challenges. The Government of Nepal has prioritized rice fortification in several strategic frameworks including the Multi-Sector Nutrition Plan III (2024–2030), the 16th National Plan, and the Agriculture Development Strategy (2015–2035), all of which aim to improve food security, health outcomes, and human capital development.

A strong policy and the legislative frameworks such as the Food Safety and Quality Act, 2081 (2024), and national standards issued by the Department of Food Technology and Quality Control (DFTQC) support the rice fortification. These frameworks outline permissible micronutrient levels, quality control protocols, and labeling requirements. The country has endorsed a fortification standard developed with the support from WFP. Additionally, the Government's commitment at the Nutrition for Growth (N4G) Summit 2025 highlights its pledge to achieve universal access to fortified rice through key social safety nets such as school feeding and food assistance programs.

Implementation strategies emphasize public-private partnerships and integration with public distribution systems. The World Food Programme (WFP), Food Management and Trading Company Limited (FMTCL), and local rice mills play crucial roles in scaling fortified rice production and distribution. Monitoring mechanisms are being strengthened to ensure quality assurance and results evaluation.

However, several barriers persist. These include limited consumer awareness, high production and distribution costs, insufficient technical capacity among rice millers, and enforcement challenges in remote areas. In particular, logistical and infrastructure constraints hinder access in marginalized regions like Karnali Province.

To overcome these challenges, the report recommends enacting mandatory rice fortification legislation, increasing government funding and industry incentives, expanding technical capacity at local mills, and institutionalizing rice fortification within national nutrition and food security strategies. It also underscores the need for coordinated multi-sectoral governance, localized program ownership, and targeted behavior change campaigns to improve acceptance and uptake. Achieving 100 percent fortified rice coverage in social safety nets is central to Nepal's commitment to ending malnutrition and advancing its Sustainable Development Goals

## **PREVALENCE OF SELECTED NON-COMMUNICABLE DISEASES AMONG CHILDREN AND ADOLESCENTS IN NEPAL: A CROSS-SECTIONAL PILOT STUDY**

Non-communicable diseases (NCDs) are the leading causes of death and disability worldwide. About 1.2 million deaths from non-communicable diseases (NCDs) occur each year in people under the age of 20, which accounts for 13% of all NCD mortality. It has been estimated that approximately 70% of premature deaths occurring during adulthood are the result of health-related behaviors that are initiated in childhood and adolescence. Available literature shows that risk factors such as unhealthy diet, smoking, sedentary lifestyle, and obesity increase the risk of NCDs, with most of these commencing in early life which eventually impacts health across the life course. However, no previous surveys, routine surveillance or national registry for these childhood NCDs are available in Nepal, except very few hospitals-based studies and some information on patients visiting health facilities that come from the routine health information system. Due to the lack of data showing the real burden of NCDs among children and adolescents in the developing world in general and in Nepal in particular, it is very difficult to manage the high burden of NCDs in adulthood with the existing health system and structure. Therefore, this study aimed to estimate the prevalence and also assess the relevant risk factors of selected NCDs: Bronchial

Asthma, Diabetes mellitus (DM), chronic kidney disease (CKD), and Neuro-developmental disorders (ID, Autism, ADHD) among children and adolescents aged 5-19 years in Nepal. This community-based cross-sectional pilot study was carried out among 3727 children and adolescents from three selected districts of Nepal namely Siraha, Lalitpur, and Dolakha, representing all three ecological belts (Terai, Hill, and Mountain region) of the country. Data was collected using face-to-face interviews of parents of selected children and adolescents and was recorded in android mobile devices equipped with open data kit (ODK) technology after obtaining the ethical consent for interview and collection of biological samples and anthropometric measurements.

The result revealed disease prevalence findings striking deviations from global patterns that demand immediate attention and further investigation. Most alarming is the 21.7% bronchial asthma prevalence—among the world's highest and 2-3 times greater than typical LMIC rates. Conversely, ADHD prevalence (0.6%) represents a 15-fold underestimate compared to global rates (5-8%), indicating massive under-diagnosis likely due to cultural stigma. The 10.4% intellectual disability prevalence, ten times higher than global averages. Early metabolic disease signals include 3.2% prediabetes prevalence and 2.2% high CKD risk, foreshadowing Nepal's emerging pediatric diabetes epidemic. This pilot study, while groundbreaking, has important limitations that must guide interpretation and future research design. The three-district sample, representing only 4% of Nepal's districts, limits national generalizability, particularly given significant geographic and ethnic diversity across the country. Future research priorities include expanding geographic coverage to all seven provinces, validating screening instruments for local use, conducting longitudinal follow-up to assess disease progression, and implementing cost-effectiveness analyses of intervention strategies.

## **ASSESSING THE PERCEPTION OF HEALTH PROFESSIONALS ON CLIMATE CHANGE AND HEALTH IN NEPAL**

Climate Change (CC) has become a significant worldwide concern. Throughout the world, there are already signs of climate change occurring, such as rising air and water temperatures, fewer frosty days, more frequent and intense heavy rainstorms, rising sea levels, and declining snow cover, glaciers, permafrost, and sea ice. In this modern era, human activities such as burning fossil fuels, altering the land through process like deforestation, desertification, and urbanization, and industrial process are the major causes of greenhouse gas emission including carbon dioxide. These activities are also associated with increasing global temperatures and the worsening of climate-related health effects, such as severe floods, droughts, wildfires, rising sea levels, and record-high temperatures. Climate-induced disasters have resulted in significant loss of lives, widespread displacements, and enormous economic losses for individuals and countries. The public's understanding of climate change and its impacts for health and the environment in Nepal still remains limited. Health professionals play a momentous role in educating patients and communities about global efforts to reduce emissions and protect themselves from climate-related health effects. Health professionals have distinct roles as trusted messengers and content specialists. Therefore, this study aims to assess the perception of health professionals regarding climate change and its health impacts.

The study employed a mixed-methods design, incorporating both quantitative and qualitative approaches. It was a nationwide, cross-sectional study involving health professionals in Nepal from diverse fields, including medical doctors, public health, nursing, pharmacy, and Ayurveda. For each health professional category—doctors, nurses, pharmacy staff, public health workers, and Ayurvedic practitioners—a calculated sample size of 424 was used. With five categories, the total sample size amounted to 2,120 participants. For the quantitative component, an online survey was conducted using Google Forms, featuring a structured questionnaire that included questions on knowledge, attitudes, and perceptions regarding climate change and health. The sampling frame was developed using name lists and email addresses obtained from respective professional associations and councils. For the qualitative component, in-depth interviews were conducted with representatives from each health profession, and focus group discussions (FGDs) were held with selected health professional groups. Quantitative data were entered

and analyzed using SPSS (version 22), while qualitative data were translated and thematically analyzed using RQDA software. The analysis of both qualitative and quantitative data is ongoing.

## **SOCIOECONOMIC STATUS AND BARRIERS TO EDUCATION AND HEALTH INSURANCE AMONG THE MUSAHAR COMMUNITY IN BUDHIGANGA RURAL MUNICIPALITY OF MORANG DISTRICTS**

The Musahar community in Nepal is one of the most marginalized and socioeconomically disadvantaged groups with a total population of 264974 and are regarded as indigenous group. The Musahar community is widely regarded as one of the most impoverished and socially excluded castes in both India and Nepal. Belonging to the Indo-Aryan ethnic group, they are classified within the Dalit category—the lowest tier in the Hindu caste hierarchy often labeled as "untouchables." Historically, their traditional occupation involved hunting rats in agricultural fields, and they remain culturally associated with this practice. Among the Dalit communities in Nepal's Terai belt, the Musahar are the second-largest in population. They are predominantly settled in the Terai region, with concentrations in the Eastern, Mid, and Western Terai. Their presence spans several districts, including Morang, Saptari, Siraha, Dhanusha, Mahottari, Sarlahi, Rautahat, Nawalparasi, Rupandehi, Kapilvastu, Banke, and Bardia. The Musahar are widely regarded as one of the most marginalized groups, facing severe challenges such as extreme poverty, high unemployment, and widespread illiteracy.

This study aimed to assess their socioeconomic conditions and identify barriers to education and health insurance in Budhiganga Rural Municipality. Using a mixed-methods design, data were collected from 279 systematically sampled households through structured questionnaires, focus group discussions, and key informant interviews. Results revealed high levels of unemployment (38%), illiteracy (30%), open defecation (87.5%), and poor housing conditions, with nearly half of children under 18 not attending school, mainly due to financial constraints. While 67.7% had heard of health insurance, only 42.3% were enrolled, hindered by low awareness and affordability. Women had minimal independent decision-making roles. The socioeconomic profiling of the study population using the Modified Kuppuswamy Scale revealed a predominantly low-income and low-education demographic. With over 90% of participants falling into the Lower and Upper Lower socioeconomic classes. The findings highlight critical gaps in education, health, and social empowerment, underscoring the need for targeted interventions, improved infrastructure, gender-inclusive policies, and awareness campaigns to uplift this underserved community.

## **IN VITRO AND IN SILICO APPROACHES TOWARD ANTIDIABETIC DRUG DISCOVERY FROM NEPALESE MEDICINAL PLANTS USED TRADITIONALLY FOR DIABETES LIKE DISEASES**

Traditional medicine, particularly Ayurveda, has been practiced for thousands of years and remains a vital part of healthcare in many parts of the world, especially in South Asia. Medicinal plants play a central role in Ayurveda. These plants are used either alone or in combination to treat a wide variety of conditions, including metabolic disorders like diabetes. Remedies are often derived from various plant parts such as leaves, roots, bark, and seeds, prepared in the form of powders, extracts, or decoctions. In recent years, there has been growing scientific interest in validating the efficacy of traditional herbal medicines, integrating traditional knowledge with modern research methods to discover bioactive compounds and develop safer, plant-based therapies.

Diabetes mellitus, particularly type 2 diabetes (T2DM), is a chronic metabolic disorder characterized by elevated blood glucose levels due to insulin resistance or inadequate insulin secretion. Globally, diabetes affects over 589 million people (2024), with projections reaching 700 million by 2045. This study focuses on the screening of selected Nepalese medicinal plants for their inhibitory potential against  $\alpha$ -glucosidase and  $\alpha$ -amylase, the key carbohydrate-hydrolyzing enzymes responsible for postprandial hyperglycemia. Crude methanolic extracts from various plant parts, including leaves, rhizomes, and roots of 57 different plants collected from several districts of Nepal, were tested in vitro using a microtiter plate-based assay to assess their inhibition of  $\alpha$ -glucosidase activity at a concentration of 500  $\mu$ g/mL. Among the plants

screened, *Bergenia pacumbis* (rhizome) and *Cinnamomum tamala* (leaves) exhibited the most potent  $\alpha$ -glucosidase inhibitory effects, showing 98.67% and 97.56% inhibition, respectively. Moderate activity was observed in *Cirsium verutum* (leaves, 65.34%) and *Holorrhena antidysenterica* (leaves, 52.33%), while *Artemisia asiatica*, *Neopicrohiza scrophulariiflora*, and *Plantago asiatica* displayed comparatively lower inhibition (<30%).

In addition to experimental assays, *in silico* approaches were employed to optimize and accelerate the screening process. Structure-based virtual screening and molecular docking studies were performed to explore potential  $\alpha$ -glucosidase and  $\alpha$ -amylase inhibitory compounds from over 100 putative molecules mentioned to be isolated from above mentioned plants. Ligand- and target-based computational models facilitated the prediction of structure-activity relationships (SARs), binding affinities, and pharmacophore identification. These computational tools enabled the identification of promising lead molecules, streamlining experimental workflows and reducing the time, cost, and resources typically associated with traditional drug discovery pipelines. AutoDock vina was used for analysis after proper optimization of both enzyme and molecules. Some derivatives of luteolin showed lowest binding energy among the tested molecules.

In conclusion, this study provides a scientific basis for the traditional use of several Nepalese medicinal plants in diabetes management. The identification of potent  $\alpha$ -glucosidase inhibitors from plant extracts, supported by *in vivo* efficacy and virtual screening, paves the way for further purification and characterization of active constituents for the discovery of plant-derived therapeutics or adjuncts to current antidiabetic regimens with improved safety profiles and accessibility, particularly in resource-limited settings.

### **Research Guideline Prepared for Drug Discovery from Medicinal Plants**

A research guide for the discovery and/or validation of plant-based medicines for both coded and non-coded sources of traditional knowledge prepared. Coded texts such as Ayurveda, Sushruta Samhita, and Charak Samhita offer structured knowledge on diagnosis, treatment, and the use of medicinal plants, grounded in principles like Dravyagun Vigyan. Non-coded knowledge, passed through oral traditions and local practices, complements this by providing region-specific insights. The guide emphasizes Dravyagun Vigyan, focusing on the identity, properties, and therapeutic actions of herbs, supporting scientific validation and standardization.

### **FACTORS AFFECTING CHILDHOOD EXPOSURE TO URBAN PARTICULATES (FACE-UP)**

The FACE-UP project, conducted from July 2022 to March 2025 in Bandung, Indonesia and Kathmandu, Nepal, was an interdisciplinary research initiative aimed at reducing childhood exposure to Particulate Air Pollution (PAP)—a major risk factor for non-communicable diseases (NCDs) in low- and middle-income countries. The project focused on developing and evaluating contextually appropriate and culturally sensitive interventions to mitigate exposure among urban children.

The FACE-UP project is a model example of successful international research collaboration, uniting experts from Nepal, Indonesia, UK, Australia, and USA. Led by the Nepal Health Research Council (NHRC) alongside partners including Durham University, Institute of Medicine (IOM); UK; Institute Technology Bandung (ITB), Universitas Indonesia; Indonesia; and Queensland University of Technology; Australia; the project worked closely with multiple Nepalese government bodies—such as the Ministries of Health, Education, Environment, and related agencies—and key organizations like WHO, UNICEF, ICIMOD, Red Cross Society, Nepal Pollution Control Center and local municipalities.

Urban air pollution arises from diverse sources such as vehicular emissions, construction, industrial activities, and biomass burning. Recognizing the critical need to safeguard children's health, FACE-UP focused on children aged 6 to 13 years, assessing exposure levels, identifying barriers to protective behaviors, and co-designing feasible strategies to reduce PAP exposure.

The project was structured around seven interrelated work packages (WPs) involving both quantitative and qualitative methodologies, including environmental monitoring, surveys, focus group discussions (FGDs), and Key Indepth interviews (KIIs). A maximum variation sampling approach ensured diverse participant representation, including children, caregivers/parents, policy makers, and experts. WP1-3 focus on assessing children's exposure to particulate air pollution (PAP), evaluating low-cost protective practices, and estimating the associated health benefits. WP4 examines contextual factors influencing the uptake of these practices, while WP5 analyzes existing policies and governance mechanisms in Nepal and Indonesia. WP6 explores ethical considerations in recommending partially effective interventions, particularly in resource-limited settings. Finally, WP7 aims to support sustainable change at the personal, household, and policy levels.

The project fostered interdisciplinary collaboration across health, environment, and behavioral sciences through a co-production model involving joint design, implementation, and evaluation. Drawing on findings from Work Packages 1 to 6, the team co-developed and evaluated culturally tailored interventions to promote mask use and reduce children's exposure to air pollution. These included an educational video, a booklet, and other communication and behavioral tools. Refinement of these products is currently underway to enhance their relevance, acceptability, and potential for scale-up at both national and global levels.

The FACE-UP project laid a strong foundation for sustained, evidence-informed strategies to reduce air pollution exposure among urban children, supporting non-communicable disease (NCD) prevention and environmental health equity in low- and middle-income countries. It delivered context-sensitive interventions with global relevance, strengthened research capacities across partner countries, and increased awareness through accessible educational materials such as a video and booklet. Capacity building was also emphasized through targeted training in air quality monitoring, behavioral research methods, and research ethics. Peer-reviewed publications further contributed to the global evidence base on childhood air pollution exposure and behavior-focused intervention.

## GLOBAL YOUTH TOBACCO SURVEY (GYTS)

The Global Youth Tobacco Survey (GYTS) is a nationally representative school-based survey designed to collect data using a standardized tool across countries. The survey focuses on students' attitudes, behaviors, and knowledge about tobacco product use, intent to use, exposure to tobacco use, and exposure to tobacco product marketing and advertising among youth aged 13–15 years. The survey provides countries with reliable and comparable data to monitor tobacco use trends and to guide the development of effective tobacco control policies targeting young populations.

The primary objective of the Global Youth Tobacco Survey (GYTS) is to assess the prevalence, patterns, and risk factors of tobacco use among children and adolescents aged 13–15 years. The survey aims to examine tobacco use by age, sex, and school location (urban/rural); estimate the age of initiation of various tobacco products; and assess exposure to secondhand smoke, as well as exposure to tobacco advertising and promotional activities.

Data collection utilized the standard GYTS questionnaire, which comprised a total of 74 questions—58 core and additional country specific optional question. The questionnaire covered a wide range of tobacco-related topics, including the use of manufactured and hand-rolled cigarettes, other smoked tobacco products (such as shisha, cigars, pipes, and bidis), smokeless tobacco (like chewing tobacco, snuff, and dip), and heated tobacco products. It also included questions on electronic cigarettes, oral nicotine products (such as pouches and lozenges), and general tobacco use. These questions were designed to capture both the variety and pattern of tobacco and nicotine product use among adolescents.

The Global Youth Tobacco Survey (GYTS) in Nepal was conducted using a multi-stage cluster sampling design. The study targeted students in grades 7 to 10 from public and private schools across urban and rural municipalities. A total of 50 schools were selected proportionally based on enrollment size, aiming to survey approximately 3,750 students. Classes were selected systematically, and all students in

selected classes were eligible to participate. A two-day training was conducted for enumerators to ensure standardization, ethical compliance, and data quality during fieldwork. Data were collected using a self-administered questionnaire, with field researchers guiding students as they recorded their responses directly on Optical Mark Recognition (OMR) answer sheets. The completed forms underwent rigorous quality checks prior to analysis to ensure accuracy and reliability for evidence-based decision-making.

Data analysis is currently underway, with the results intended to strengthen the capacity to design, implement, and evaluate tobacco control and prevention programs. The results of the GYTS survey can be used to understand the factors that may lead to tobacco use among youth in the future and to design school health programs that prevent and reduce tobacco use among students.

## **ASSESSMENT OF PREPAREDNESS OF COVID-19 VACCINATION PROGRAM AT LOCAL GOVERNMENT LEVEL IN NEPAL**

Vaccination against COVID-19 in Nepal began on January 27, 2021, achieving an 83% coverage rate, second in the WHO South-East Asia Region. However, there were several enablers and barriers to achieve this success at central level and at local implementation level. This study focuses on the local-level implementation of COVID-19 vaccination, examining decision-making processes and challenges faced by local governments in managing vaccine distribution and public health responses. A mixed-methods convergent parallel study was conducted involving 617 individuals across 14 districts of seven provinces in Nepal, selected based on COVID-19 vaccine coverage; rural municipality for low vaccine coverage and urban municipality for high coverage. The study aimed to assess the preparedness of local health facilities for vaccination and identify strategies for implementation, incorporating both health professionals and general people. Quantitative data were collected from health workers and COVID-19 vaccine focal persons from the local health facilities, and community people through interview using semi-structured questionnaire. Qualitative data were collected through key informant interviews (KIIs) with vaccination program's focal person of from local health facility and Municipality office, former chairpersons of rural and urban municipalities, and focus group discussions (FGDs) with Female Community Health Volunteers using interview guidelines. Informed consent was secured from the participants, and data were entered into Microsoft Excel 2010 before analysis using SPSS 23.0 for descriptive statistics. Qualitative data underwent thematic analysis with RQDA software. Monitoring and follow-up mechanisms were established throughout the research to ensure data integrity. The sample of community people was mainly within the 21-30 and 41-50 age groups, with females 42.7%. It was found that 27% of the participants had a morbidity, with hypertension being the most common condition (46%). Vaccination coverage was found 91.7% with 45.2% having received two doses of vaccine, and 41.7% at least one booster dose. Health workers were the primary source of vaccination information (30.5%), news portals (18.5%), and social media (17.6%) are the most common sources of information. Most participants rated the vaccination campaign positively, though unvaccinated individuals expressed concerns about side effects (45%) and safety (50%). Despite these hesitations, a large majority believe vaccines are essential for controlling disease spread (95.4%) and feel they are safe (nearly 90%). Most vaccinated individuals reported no significant side effects, with 54.3% experiencing no pain and 87.8% reporting no itching.

The study aimed to explore the participation and willingness of local health workers for COVID-19 vaccination, revealing that all health workers interviewed were fully vaccinated, with 70.9% receiving a booster dose. Information sources for vaccination of health workers included other health workers (27.0%) and television (43.7%). A remarkable 94.9% rated the vaccination campaign positively, with 62.0% describing it as "very good," and 64.6% strongly agreeing on the vaccine's essential role in controlling COVID-19. Minimal side effects were reported, with 42.4% experiencing no pain post-vaccination. Health workers mentioned that there was strong community support and effective communication regarding the campaign.

Findings revealed that 98.8% of the respondents had experience as vaccinators at the time of vaccination against COVID-19, with 92.7% willing to continue in vaccination programs. During COVID-19 vaccination, community engagement was found strong, with 90.3% were having strategies to inform local

communities, primarily through individual contact, social media, and community members. However, vaccine availability was inconsistent, particularly with 41.8% rating the supply was irregular. Training programs were attended by 87.9% and only 1.2% used electronic data management systems. While 95.8% of health workers received incentives, payment delays of six to twelve months were common. Additionally, while 90.3% of sites had a vaccine list, only 1.2% had safety boxes for waste disposal, with many facilities rely on manual recording systems and faced challenges with electronic ones.

Community people primarily received official information from government agencies and community health workers, such as Female Community Health Volunteers (FCHVs). Effective planning and communication were vital for vaccine delivery, although challenges arose with the availability of personal protective equipment (PPE). While health workers received training, support staff often lacked adequate training, impacting capacity during the initial roll out. Key challenges included vaccine supply shortages, hesitancy, logistical issues, and geographical barriers, especially for general public. Vaccine distribution relied on district health offices for storage and delivery, but cold chain facilities faced limitations. Coordination across government levels was crucial, with monitoring by organizations like WHO and UNICEF ensuring effective vaccination efforts. Local authorities adapted strategies to meet community needs but lacked formal written protocols. Participants emphasized the need for additional resources and highlighted strategies for future pandemic preparedness, including early detection, capacity building, and community engagement. There was a high level of participation and support for COVID-19 vaccination among both community people and health workers. A significant majority of the community people were vaccinated, demonstrating a strong belief in the importance and safety of vaccines, despite some concerns about side effects. Health workers also had positive attitude toward vaccination, with nearly all fully vaccinated and actively engaging in community outreach. However, challenges persisted, including inconsistent vaccine availability and delays in incentive payments for health workers. Training and data management practices need improvement, as most facilities still rely on manual systems of reporting vaccine information. The positive and enabling factors for achieving high vaccination coverage against COVID-19, and improving the identified barriers/challenges from this study could be the lessons to improve the immunization programmes and disease control efforts in pandemic situation.

## **POPULATION BASED CANCER REGISTRY IN NEPAL**

The Population-Based Cancer Registry (PBCR) is a core component of a national cancer control strategy. It helps to identify cancer burden in the population, which supports setting priorities, monitoring, and evaluating cancer control activities. The Nepal Health Research Council has been running the Population-Based Cancer Registry in Nepal since January 1, 2018. Starting with Kathmandu Valley, PBCR has been expanded to other districts such as Siraha, Saptari, Dhanusha, and Mahottari districts from Madhesh province, and Rukum East from Lumbini province, and Rukum West from Karnali Province. NHRC is making close collaboration with the Ministry of Health and Population (MoHP) and WHO to establish the registry in Nepal, which has been technically supported by the International Agency for Research on Cancer (IARC), South-east Asia region, Mumbai. The objective of the registry is to generate evidence on cancer incidence, patterns, and trends of disease and mortality related to cancer in the defined population, and also to enhance national capacity for sustainable PBCR in Nepal.

### **PBCR Activities conducted during Fiscal Year 2081/82 and Key findings**

- Population- Based Cancer Registry (PBCR) 2020 draft reports of all sites were prepared and submitted for review and feedback.
- Policy briefs and cancer fact sheets of each registry sites were developed to highlight key findings.
- Cancer data for 2021 were received from the majority of hospital sources and were checked for completeness and accuracy, with residence confirmation and missing information collected via phone calls.
- Fifty-Nine field enumerators were recruited for community-based data collection in Dhanusha and Siraha districts with regular supervision. A total of 1,026 community-reported cancer cases from

2021–2024 were collected and thoroughly reviewed for completeness and accuracy of the data.

- The IARC Regional Hub, Mumbai noted a 20% drop in 2020 cancer cases in Kathmandu Valley, suggesting under-registration. To address this issue, major hospitals were asked to provide data, which was checked for duplication, and new cases were collected, verified and registered under PBCR.
- Data collection for the year 2021–2024 is going on. It is expected to be completed by December 2025.

## **STUDY ON HEMOGLOBINOPATHIES AND GLUCOSE-6-PHOSPHATE DEHYDROGENASE (G6PD) DEFICIENCY IN TERAJ DISTRICTS OF NEPAL**

Hemoglobinopathies are inherited blood disorders that affect hemoglobin, the protein in red blood cells that carries oxygen throughout the body. These conditions, such as thalassemia and sickle cell disease, are usually passed down from both parents and can vary in severity. Over a thousand different genetic changes related to these disorders have been discovered. Another common blood-related condition is glucose-6-phosphate dehydrogenase (G6PD) deficiency, which is the most widespread enzyme disorder globally, affecting about 400 million people. The condition is most prevalent in certain regions of Africa, Asia, the Mediterranean, and the Middle East. For example, about 1 in 10 African American males in the United States have the deficiency. In Nepal, both hemoglobin disorders and G6PD deficiency are known to occur, particularly among the Tharu community in the western and far-western regions. However, the exact number of affected individuals within this group remains unclear.

To better understand the prevalence of hemoglobin disorders and related hematological conditions, a study was conducted among individuals aged 1 to 29 years across several districts in the Terai region of Nepal's Lumbini Province, including Parasi (Nawalparasi, west of Bardaghat Susta), Rupandehi, Kapilvastu, Dang, and Banke. The study employed a stratified sampling method, enrolling a total sample size of 1,600 participants—800 individuals from the Tharu ethnic group and 800 from non-Tharu communities—distributed across 50 wards, each considered a sampling unit. From each unit, 32 participants were selected, ensuring no more than one individual per household to minimize intra-family variation. Although 1,740 individuals were initially recruited, 70 either declined to provide consent or refused to give a blood sample. Ultimately, 1,680 respondents were included in the broader analysis, but only 1,620 blood samples were viable for hemoglobin electrophoresis due to issues such as sample clotting.

Data collection occurred between the Nepali calendar months of Chaitra to Jestha 2082 (March to mid-June 2025). Preliminary analysis revealed that approximately 37% of participants, both male and female, were anemic based on hemoglobin concentration thresholds. Moreover, about 7% of males exhibited glucose-6-phosphate dehydrogenase (G6PD) deficiency, a genetic enzyme disorder that can trigger hemolytic anemia under oxidative stress. Hematological assessments also identified differences in several key parameters, including white blood cell (WBC) and red blood cell (RBC) counts, mean corpuscular volume (MCV), and hematocrit levels suggesting potential environmental, genetic, or nutritional influences. Additional biochemical and genetic factors are currently under further analysis to provide a more comprehensive understanding of the population's health profile.

## **ELEVENTH NATIONAL SUMMIT**

The Eleventh National Summit of Health and Population Scientists in Nepal was held under the theme “Health, Climate and Population Dynamics: Building Resilient Health Systems for a Sustainable and Equitable Future.” The summit served as a premier national platform for researchers, policymakers, academics, health professionals, development partners, and students to come together and engage in meaningful dialogue on current and emerging public health challenges.

This summit was attended by over 1,200 participants attending in person and several hundred more joining virtually via Zoom, YouTube, and Facebook Live, the summit demonstrated the growing interest in evidence-informed policy making in Nepal. The event was formally inaugurated by Honourable Ms. Bidya Bhattarai, Minister for Education, Science, and Technology, and concluded in the esteemed presence

of Honourable Mr. Pradip Paudel, Minister for Health and Population, along with other senior officials, researchers, and dignitaries from national and international institutions.

A total of 104 oral presentations and 118 poster presentations were showcased, covering a wide range of thematic areas such as non-communicable diseases, reproductive and maternal health, infectious disease and epidemic preparedness, environmental and occupational health, mental health, digital health innovations, migration, aging, clinical research, health systems governance, and health insurance.

A major highlight of the summit was the recognition of excellence through the presentation of thirteen prestigious awards for their outstanding contributions in various domains of health research. This year, three new award categories were introduced in addition to the ten existing categories from previous years. These included the Health Research Award, JNHRC Best Research Paper Award, Health Research Award, Young Health Research Award, Mrigendra Samjhana Medical Trust Young Health Researcher Award (Medical Doctor), Mrigendra Samjhana Medical Trust Young Health Researcher Award (NHRC Employee), Health Research Life-time Achievement Award, Best Paper Presentation Award (Poster), Best Paper Presentation Award (Oral), NHRC Best Section Award, NHRC Best Performer Award, Health Journalist Award, Gopal Prasad Acharya Health Research Award, NHRC Lifetime Achievement Award. These awards not only recognized innovation and dedication but also reinforced the importance of quality research in shaping Nepal's health system.

The summit concluded with the formal presentation of a comprehensive declaration that encapsulated the collective commitments of the participants. Key points included:

1. Strengthen and harmonize health research governance through revision of institutional and legislative provisions in a collaborative way in the Federal Context for promoting responsible conduct of research, and evidence-based policy formulation, planning, and effective implementation.
2. Increase investment in health, population, and environment research to promote quality research for evidence-informed decision-making.
3. Promote human capital in health research by creating a conducive environment for young researchers and the retention of experienced researchers in the country.
4. Strengthen collaboration between researchers, policy makers, academia, scientists, civil society, private sector, and community to promote high-quality interdisciplinary research for effective response to existing and emerging health issues and future pandemics through the use of new technologies (such as digital, AI) towards strengthening the quality of research.
5. Promote interdisciplinary research on wider determinants of health, implementation research, and clinical research using a one health approach.
6. Enhance the health research capacity of researchers through regular training, fellowships, and grants.

The summit marked a significant milestone in advancing Nepal's health research agenda, fostering innovation, and building momentum for a sustainable, inclusive, and equitable health system.

## **ETHICAL REVIEW AND REGULATION SECTION**

One of the key objectives of the NHRC is to promote the responsible conduct of health research and regulate all health-related research carried out in Nepal.

The principal activities of the Ethical Review, Monitoring, and Evaluation Section include the screening, reviewing, and approval of research proposals to be conducted within the country. In addition, this section is responsible for the monitoring and evaluation of all approved health research studies at the field level. This section also handles the different committees, like the Complaint Handling Committee, the IRC accreditation sub-committee and the Ayurvedic & Traditional Medicine Sub-Committee, and holds regular meetings.

To ensure that health research in Nepal is both scientifically robust and ethically sound, the Revised National Ethical Guidelines for Health Research in Nepal 2022 have been published and implemented.

During the fiscal year 2081/82, the ERB section undertook numerous activities, which are summarized below.

**Table 3: Summary of the activities done by Ethical Review M & E Section**

| Events                       | Number |
|------------------------------|--------|
| Total Protocol Registration  | 816    |
| Approved Protocol            | 655    |
| On Process                   | 130    |
| Withdrawn                    | 9      |
| Pending                      | 6      |
| Ethical Review Board Meeting | 25     |
| Expedited Review Meeting     | 46     |
| M & E of approved studies    | 14     |
| M & E of IRC                 | 10     |
| Training/ workshop to ERB    | 1      |
| Training /workshop to IRC    | 7      |

The names of the researchers and the title of the research projects that have been approved by the ERB in the fiscal year 2081/82 are shown in the Annex.

## ERB ACTIVITIES

During the fiscal year 2081/2082, a total of 816 health research proposals were approved by the Ethical Review Board (ERB) of the Nepal Health Research Council (NHRC).

Once submitted by researchers, proposals undergo a thorough review process by both internal and external reviewers. Following the review and the incorporation of necessary revisions by the researchers, proposals involving significant risks to research participants are forwarded to different types of review, i.e. Exemption of review, Expedited Review, and Full Board Review. For administrative purposes, researchers are required to pay a processing fee in accordance with NHRC's rules and regulations.

The Ethical Review Board is composed of 12 members, including one Chair, one Member-Secretary; however, in case a member secretary holds the executive positions, the Chief of the Ethical Review M & E Sections will be the member secretary of the ERB. ERB was composed of the scientific and non-scientific members from various disciplines, affiliated to the NHRC and non-affiliated to the NHRC, including one lay member. The new ERB Chair, Prof. Dr. Aarati Shah, was appointed on January 1, 2025, for a three-year tenure.

ERB full Board meetings are held weekly on Wednesdays, and expedited review meetings are held as per requirement. So, in this fiscal year, 25 full board meetings were conducted. In addition, 46 expedited review meetings were organized in coordination with the ERB Chair to ensure the timely assessment of proposals requiring rapid ethical clearance. For More information, please refer to Annexes.

## Workshop on Ethics in Health Research

A 1-day workshop on Ethics in Health Research was organized on July 2, 2025. The ERB Chair, ERB members, and the Section Chief served as resource persons on various topics for conducting training sessions to the ERB members, ERB secretariat team and the Research team.

## FERCAP Conference

The ERB of NHRC has been accredited by the Forum for Ethical Review Committees in the Asian and Western Pacific Region (FERCAP) since 2019, a recognition of its commitment to maintaining ethical

standards in research. The 24th International Conference of the FERCAP was held in Nepal from November 24-27, 2024, with the theme, Maximizing Benefits through Responsible Conduct of Research, where a gathering of National and International researchers, academics, practitioners and different stakeholders shared their knowledge and experiences related to ethics highlighting the importance of ethics in research and the issues identified. Participants from 23 countries, totaling more than 700 attendees, took part in the conference. The first day of the conference commenced with a pre-conference training followed by a 2-day conference paper presentation. On the last day, the FERCAP recognition program and the FERCAP surveyor training on recent changes in International Guidelines were conducted. A total of 90 orals and 9 poster submissions from National and International participants were selected for presentation at the conference. Oral and poster topics were also from various burning concerns like use of technology, educating research stakeholders, building related disorder ethical frameworks, issues in public health, promoting trust in science and so on. Likewise, panel discussions were held covering a wide range of pressing issues, including clinical trials, implementation research, and ethical issues.

### **Institutional Review Committees (IRCs)**

The Ethical Review Board has delegated its authority to review research protocols to Institutional Review Committees (IRCs) established at health care facilities, academic institutions and research institutions throughout Nepal to provide ethics clearance to research proposals from researchers within the institution associated with a specific IRC.

As of the fiscal year 2081/82, the Ethical Review Board had 61 Institutional Review Committees (IRCs) to conduct ethical reviews of research proposals. With the recent addition of three IRCs, the total number of IRCs has reached 64. Several academic institutions, research institutions and healthcare facilities have expressed interest in obtaining IRC approval from the Nepal Health Research Council.

### **Monitoring visits of IRC in the fiscal year 2081/82**

1. Madan Bhandari Academy of Health Sciences
2. Lumbini Medical College & Teaching Hospital Ltd.
3. Nepalgunj Medical College
4. Madhesh Institute of Health Sciences
5. Devdaha Medical College & Research Institute Pvt. Ltd.
6. Charak Memorial Hospital Pvt. Ltd.
7. Nepal Eye Hospital
8. Birat Medical College and Teaching Hospital
9. Bheri Hospital
10. Pokhara University

The NHRC regularly conducts IRC Accreditation Sub-Committee meetings with a mandate to monitor and evaluate IRC's activities. The sub-committee includes 1 coordinator and 6 members. The IRCs' performance is reviewed and kept abreast of national guidelines and SOP. Altogether, 7 IRC accreditation sub-committee meetings have been held in this fiscal year [Refer to Annex].

### **Development of the Integrated Research Ethical Review Platform (IRERP)**

The Nepal Health Research Council (NHRC) and the World Health Organization (WHO) had signed a Memorandum of Understanding (MoU) to create a national online ethical review system aimed at streamlining and standardizing the ethical review process across Nepal, enhancing efficiency, transparency, and adherence to both national and international ethical standards.

The process was initiated in December 2024. Several consultative meetings were held among NHRC, WHO and the IT team for the development of the new online portal and as a result, a new ERB online platform was developed to streamline NHRC with the IRCs.

An orientation workshop on the newly launched Integrated Online Review System was held on June 6, 2025. The primary objective was to familiarize Institutional Review Committees (IRCs) with the new ERB online platform and guide them in using the system effectively. Thirty-three IRC representatives from within the Kathmandu Valley attended the session, actively participated, and provided positive feedback on the platform. Since there are 64 IRCs in total, this session was limited to those based in the Kathmandu Valley. A separate session will be planned for the remaining IRCs.

Following the development of the new system for IRC, the team is actively working on developing a new portal for reviewers and researchers.

**Research Study: Developing National and Global Agendas for the Ethics of Post-Trial Arrangements in Low and Middle–Income Countries during Pandemics/Epidemics (Pandemic Ethics)**

Post-trial access (PTA) is an ethical imperative to ensure that products developed and knowledge generated during clinical trials are made available to study participants, populations, and communities. This principle becomes particularly crucial when access to safe and effective therapies is limited or when no existing therapies are available. PTA encompasses continued access to investigational drugs or interventions (e.g., through extension trials), communication of trial results to participants, provision of counseling, and post-trial care. Despite its significance, current PTA guidelines are often ambiguous, inconsistent, and lack nuance. Only a few countries, such as Brazil and India, have enacted PTA legislation, though the effectiveness of these laws during pandemics or epidemics remains to be fully examined. The Pandemic Ethics Project seeks to develop both country-specific and global frameworks for equitable and practical PTA arrangements in low- and middle-income countries (LMICs) during epidemics and pandemics. Ensuring PTA in LMICs directly aligns with three Sustainable Development Goals (SDGs): SDG 3 (Good Health and Wellbeing), SDG 10 (Reduced Inequalities), and SDG 5 (Gender Equality). While PTA aims to address the equitable distribution of research benefits, there is often uncertainty about its availability and distribution. The COVID-19 pandemic highlighted the urgent need for global solutions, as epidemics transcend national borders, making PTA a global concern.

**General Objectives:** Describe, investigate and make explicit the complex pandemic/epidemic post-trial access socio-ecological landscape in 6 LMICs

**Partners (Nepal):** T.U, IOM

**Progress to date:**

Work packages 1, 2, and 3 are currently running.

| Work packages (WP)                                                                | Deliverables (Status)                                                                                                                         |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| WP1                                                                               | Scoping Review describing the PTA arrangements in various countries (ongoing)                                                                 |
| Review of scientific literature and country guidelines on post-trial access (PTA) | Scientific paper on the review of laws, policies and regulations of Nepal (done)                                                              |
|                                                                                   | Developing a Scientific paper based on the content review of newspaper articles and analysis of social media content related to PTA (ongoing) |
| Work P2                                                                           | TU, IOM (for qualitative part)                                                                                                                |

|                                                                                                                       |                                                            |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Work P3                                                                                                               | Verifying the type of COVID-19 proposal with PTA (ongoing) |
| Review of PTA arrangements from the COVID-19 clinical trials protocol & minutes of research ethics committee meetings | Reviewing meeting minutes of clinical trial (ongoing)      |

## CAPACITY BUILDING SECTION

### PUBLICATION OF JOURNALS

The publication section of NHRC published various types of scientific papers in the fiscal year 2081/82, which primarily consisted of case reports and original research works, followed by reviews, editorials, viewpoints, medical education, letters to the editor, and short communications in several issues of the Journal of NHRC.

**Table 4: Published issues in the FY 2081/82**

| Serial Number | Published Issues                        |
|---------------|-----------------------------------------|
|               | Issue 66 Jan-Mar Vol. 23 No. 01 (2025)  |
|               | Issue 65 Oct-Dec Vol. 22 No. 04 (2024)  |
|               | Issue 64 July-Sep Vol. 22 No. 03 (2024) |

### CONDUCTION OF TRAININGS

NHRC has conducted the following training on Health Research Proposal Development.

**Table 5: Number of trainings conducted**

| Province      | Number of Participants | Number of Training | Number of Days |
|---------------|------------------------|--------------------|----------------|
| Lumbini       | 30                     | 1                  | 6              |
| Karnali       | 30                     | 1                  | 6              |
| Sudurpashchim | 30                     | 1                  | 6              |
| Koshi         | 30                     | 1                  | 6              |
| Madesh        | 30                     | 1                  | 6              |
| Gandaki       | 30                     | 1                  | 6              |
| Bagmati       | 30                     | 1                  | 6              |

# ANNEXES

## NHRC REPRESENTATION IN INTERNATIONAL PROGRAMS

1. Dr. Pramod Joshi, Member-secretary (Executive-Chief) and Mr. Subodh Kumar Karna, Chief-Financial Administration of NHRC, visited Indian Institute of Management, Bangalore (IIMB), India to attend in "Bringing Evidence to Public Health" (EPHP) from 4th to 8th September 2024.
2. Dr. Meghnath Dhimal, Senior Research Officer of NHRC, visited Madrid, Spain to attend "The DHIS2 Asia Pacific Conference, 1-3 October, 2024" from 30th September to 4th October, 2024.
3. Dr. Pramod Joshi, Member-secretary (Executive-Chief) of NHRC, Dr. Roshan Pokharel, Secretary, Ministry of Health and Population, Mr. Subodh Kumar Karna, Chief, Financial Administration and Dr. Meghnath Dhimal, Senior Research Officer of NHRC, visited the Institute of Tropical Medicine (ITM), ANTWERP, Brussels, Belgium, to attend the "Joint Partner Meeting" from 14th October to 20th October, 2024.
4. Prof. Dr. Gehenath Baral, Chairperson, Dr. Pramod Joshi, Member-Secretary (Executive-Chief) and Mr. Subodh Kumar Karna, Chief-Financial Administration of NHRC, Dr. Meghnath Dhimal, Senior Research Officer and Ms. Namita Ghimire, Research Officer of NHRC visited Shandong University, Jinan, China and Aerospace Information Research Institute, Chinese Academy of Science", Beijing, China to attend "International Symposium on Climate Change and Health and the opening ceremony of the Global Alliance for Climate Change and Health", Shandong University, Jinan, China and "Meeting with the Aerospace Information Research Institute, Chinese Academy of Science", Beijing, China from 28th November to 5th December, 2024.
5. Mr. Chandra Bhushan Yadav, Library and Information Officer of NHRC, visited Malaysia to attend ICADL 2024 - the 26th International Conference on Asia Pacific Digital Libraries, Monash University, Malaysia Campus, from 3rd December to 7th December, 2024.
6. Dr. Pramod Joshi, Member-secretary (Executive-Chief) of NHRC, visited New Delhi to attend "Research Collaboration Networking Meeting" from 19th December to 23rd December, 2024.
7. Mr. Pukalal Ghising, Assistant Account Officer, Mr. Sudip Poudel, Publication Assistant, Mr. Ghanashyam Chaudhary, Library and Information Assistant, visited Bangkok, Thailand to attend an exposure visit for Health Research Collaboration and Networking from 15th January to 21st January, 2025.
8. Dr. Meghnath Dhimal, Senior Research Officer of NHRC visited Colombia to attend the Second WHO Global Conference on Air Pollution and Health, Cartagena, Colombia (FA5 Project) from 24th March to 30th March 2025.
9. Dr. Pramod Joshi, Member-secretary (Executive-Chief) and Ms. Namita Ghimire, Research Officer of NHRC visited Geneva, Switzerland to attend "Second World Health Organization (WHO) Global Clinical Trials Forum: Action for Impact" from 1st April to 5th April, 2025.
10. Dr. Pramod Joshi, Member-secretary (Executive-Chief), Dr. Meghnath Dhimal, Senior Research Officer, Mr. Subodh Kumar Karna, Chief-Financial Administration, Ms. Namita Ghimire, Research Officer of NHRC visited 1. Liverpool John Moores University, UK, 2. Coventry University, UK, 3. Oxford University Clinical Research Unit London and 4. University of Aberdeen, Scotland, UK to provide the talk 1. "Health Research Governance in Nepal" from 24th -25th April, 2025, 2. "Progress in Implementing the Cohort Study in Nepal: Collaborators Meeting" on 26th -27th April, 2025,

3. "Meeting arrangement with Head of the Oxford Vaccine Group and Head of NDM at Oxford University" on 28th-29th April, 2025, 4. "Workshop on Climate Change, Nutrition and Health" on 1st May, 2025 from 23rd April to 3rd May, 2025.
11. Mr. Chandra Bhushan Yadav, Library and Information Officer of NHRC visited Colombo, Srilanka to participate in Internship Program of Advance Course in Digital Library from 31st May to 1st July, 2025.
12. Dr. Pramod Joshi, Member-secretary (Executive-Chief), Dr. Meghnath Dhimal, Senior Research Officer of NHRC visited the University of Queensland, CQ University, Melbourne, Victoria, The Austrelian National University, Canberra, Brisbane, Australia to attend "Workshop on Climate Change and Health of Indigenous Peoples", "Networking meeting to discuss on research collaboration and progress of the Prevent NCD project, funded by the National Health and Medical Research Council ( NHMRC) under the Global Alliance for Chronic Diseases (GACD) scheme and explore future opportunities under GACD and other grant programs", "Meeting on ongoing research projects, implementation opportunities and challenges, research gaps and priorities and potential areas for collaboration, "International Life Course Conference 2025: A Roadmap for the Future" from 14th July to 25th July, 2025.

#### **ANNEX: LIST OF APPROVED RESEARCH PROPOSALS BY THE ETHICAL REVIEW BOARD**

| S.N | Protocol ID | Principal Investigator | Adolescent Health                                                                                                                                                       |
|-----|-------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | 352_2025    | Anjali Mandal          | Prevalence and determinants associated with the self-reported lactose intolerance in Kathmandu Valley among adolescents.                                                |
| 2   | 350_2025    | Dharmendra Poddar      | Prevalence of and factors associated with depression, anxiety and stress, and validation of DASS-Y in the Nepalese context                                              |
| 3   | 230_2025    | Pooja Bhandari         | Effect of menstrual education on menstrual knowledge, attitude, and coping behavior of female adolescents in Nepal                                                      |
| 4   | 206_2025    | Sanju Bhattarai        | Building healthy food environment in schools: Evaluating co-created interventions in Budhanilkantha Municipality.                                                       |
| 5   | 196_2025    | Archana Shrestha       | Developing a care cascade for Pediatric non-communicable diseases in Dhulikhel, Nepal: assessing facilitators and barriers to current care                              |
| 6   | 170_2025    | Aarti Kumari Singh     | Knowledge, attitude, and practice on menstrual hygiene among adolescent girls going government and private schools in Janakpurdham: A comparative cross-sectional study |
| 7   | 164_2025    | Santa Kumar Dangol     | Adolescent contraception in Nepal: policies and practices of local government and community perspective                                                                 |
| 8   | 64_2025     | Jitendra Kumar Singh   | Knowledge on hypertension, pattern of Dietary salt intake and physical fitness of school-going adolescents in schools of Dhanusha district                              |

| S.N | Protocol ID | Principal Investigator     | Adolescent Health                                                                                                                                                                                                        |
|-----|-------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9   | 44_2025     | Bishal Pokhrel             | Menstrual hygiene, peer support and depression symptoms among teenage girls of Janakpur, Madhesh Pradesh, Nepal                                                                                                          |
| 10  | 33_2025     | Sumitra Aryal              | Assessing knowledge, attitude and practices regarding iron deficiency Anaemia and the Implementation of Weekly Iron and Folic Acid Supplementation Among Adolescent Girls of Jana Prabhat Ma. Vi. Kalimati-13, Kathmandu |
| 11  | 2_2025      | Aitawari Chaudhari         | Prevalence of Anemia and Its Associated Factors among Adolescent Girls enrolled in School at Nepalgunj Sub-Metropolitan City, Banke                                                                                      |
| 12  | 720_2024    | Minakshi Dahal             | Reducing psychosocial and mental health impacts of menstruation on adolescents in Nepal                                                                                                                                  |
| 13  | 718_2024    | Yadav Gurung               | Adolescents' dietary behaviours and physical activity and feasibility of health promotion in schools through co-designing approach in Kamalamai municipality, Sindhuli: a mixed method study                             |
| 14  | 672_2024    | Nona Shakya                | Psychosocial Problems among School Going Adolescent Students of Secondary Schools of Pokhara Metropolitan City                                                                                                           |
| 15  | 666_2024    | Reetu Koirala Nagila       | Menstrual hygiene practices and support from mothers of female adolescents in rural Nepal: a feminist study                                                                                                              |
| 16  | 659_2024    | Pramod Joshi               | Nepal Global Youth Tobacco Survey- 2024 (GYTS 2024)                                                                                                                                                                      |
| 17  | 584_2024    | Josephine Helen McAllister | Exploring the impact of social norms on adolescent girls' menstrual health in Nepal                                                                                                                                      |
| 18  | 415_2024    | Anil Raghuvanshi           | Engaging with Parents/Caregivers to Prevent and Respond to Online Child Sexual Exploitation (OCSE) in Nepal                                                                                                              |

| S.N | Protocol ID | Principal Investigator | Ayurveda and Traditional Medicine                                                                                     |
|-----|-------------|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 19  | 697_2024    | Fiona Jane Mackay      | Does greater knowledge of the plant-basis of many pharmaceutical medicines affect patient healthcare decision making? |
| 20  | 475_2024    | Riya Thapa             | Assessment of efficacy of breathing techniques (pranayama) in reducing stress in cancer patients                      |

| S.N | Protocol ID | Principal Investigator | Biomedical Research                                                                                                                                                                 |
|-----|-------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21  | 408_2025    | Damodar Sharma         | Environmental Reservoirs of Antimicrobial Resistance: A Comparative Study of Microbial Diversity and Resistance Patterns in Multiple Urban Environments Near and Far from Hospitals |

| S.N | Protocol ID | Principal Investigator                           | Biomedical Research                                                                                                                                                                   |
|-----|-------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 22  | 362_2025    | Ram Prasad Adhikar                               | Phenotypic and Genotypic Detection of Carbapenemase Producing Pseudomonas aeruginosa Isolated from Clinical Specimens at a Tertiary Care Center, Nepal                                |
| 23  | 318_2025    | Sijan Poudel                                     | Bacterial Profile and Antibiotic Resistance Patterns in Clinical Isolates at a Tertiary Care Hospital in Nepal: A retrospective study                                                 |
| 24  | 312_2025    | Kunchok Dorjee<br>Kalyan Sapkota                 | Prevalence and predictors of H.pylori infection and treatment outcomes in Nepal: an implementation study                                                                              |
| 25  | 276_2025    | Deepak C. Bajracharya<br>Sreenidhi V. Srinivasan | A Randomized Control Trial of an Antimicrobial Stewardship Program for Veterinary Service Providers and Farming Communities in Nepal                                                  |
| 26  | 226_2025    | Rajeev Shrestha                                  | Exploring Novel Antibiotic and Biologically Active Metabolite Producing Endophytic Microbiomes of Taxus spp. to Combat Multidrug Resistant Bacteria                                   |
| 27  | 191_2025    | Govinda Prasad Tiwari                            | Evaluation of clinico-radiological predictors of difficult laparoscopic cholecystectomy done for gallstone disease in Far-Western region of Nepal.                                    |
| 28  | 684_2024    | Binod Aryal                                      | Assessment of micronutrients status and its association with clinical outcomes in Leprosy and related reactions                                                                       |
| 29  | 673_2024    | Anil Kumar Sah                                   | Aetiology of Central Nervous System Infections in Patients from a Hospital in Kathmandu                                                                                               |
| 30  | 611_2024    | Santosh Kumar Gupta                              | Fecal Carriage of Multi-Drug Resistance Bacterial Isolates among HIV Infected and Non-Infected Individuals                                                                            |
| 31  | 519_2024    | Jung-Seok Lee<br>Nastu Sharma                    | Measuring the Impact of an Antimicrobial Stewardship Program in Manmohan Memorial Medical College and Teaching Hospital in Kathmandu, Nepal                                           |
| 32  | 429_2024    | Sandip Das Sanyam                                | Improving antimicrobial use for the treatment of ocular infection in Nepal, informing prescribing practice                                                                            |
| 33  | 400_2024    | Khagendra Prakash KC                             | Resistance pattern and molecular characterization of Klebsiella pneumoniae to assess the effect of Infection Prevention and Control practices in limiting hospital-based transmission |
| 34  | 390_2024    | Sanjaya Kumar Shrestha                           | Surveillance of Multidrug Resistant (MDR) Bacterial Isolates received from health care institutions in Nepal, WRAIR#3155                                                              |

| S.N | Protocol ID | Principal Investigator                                      | Communicable disease                                                                                                                                               |
|-----|-------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 35  | 447_2025    | Kritika Dixit<br>Sarah Dunstan                              | Air monitoring to strengthen tb infection control and reduce tb transmission at health facilities in high tb burden settings (tb shield)                           |
| 36  | 438_2025    | Rajeev Shrestha                                             | Seroprevalence of dengue and scrub typhus in nepal                                                                                                                 |
| 37  | 422_2025    | Simran Bhandari                                             | Predicting tuberculosis incidence with machine learning based on climate and air pollution factors in nepal                                                        |
| 38  | 405_2025    | Arjun Poudel                                                | Malaria preventive behavior, care seeking practices and barriers among seasonal migrant workers in selected high-risk wards of nepal                               |
| 39  | 325_2025    | Alexandra Levenston<br>Hernandez<br>Sameer Mani Dixit       | Mothers' and caregivers' knowledge, perceptions, and roles after hpv vaccination uptake among adolescent girls in nepal                                            |
| 40  | 317_2025    | Sagun Shrestha                                              | Pattern of otorhinolaryngological conditions among outpatients in a tertiary centre of lumbini province in nepal                                                   |
| 41  | 311_2025    | Sandip Das Sanyam                                           | Diagnostic application of artificial intelligence for microbial keratitis and evaluation of clinical outcomes in eastern nepal: a prospective cohort study         |
| 42  | 303_2025    | Surendra Kunwar                                             | Demographic profile and outcome of snake envenomation patients admitted in intensive care unit of provincial hospital                                              |
| 43  | 272_2025    | Prabhat Adhikari                                            | Retrospective study of antimicrobial resistance among carbapenem-resistant gram-negative bacteria in nepal based on laboratory data (2024 - 2025)                  |
| 44  | 266_2025    | Bimal Sharma Chalise                                        | A retrospective analysis of antibiotic resistance patterns in culture positive isolates over two years at sukraraj tropical and infectious disease hospital, nepal |
| 45  | 257_2025    | Prashamsa Bhandari                                          | Risk factors for tuberculosis (tb) among people living with hiv/aids: a case-control study in lumbini province, nepal                                              |
| 46  | 251_2025    | Shreeram Tiwari                                             | Adverse effects of bpalm/bpal regimen among dr tb patients in dr-tb treatment centers and sub centers in nepal in 2025                                             |
| 47  | 244_2025    | Mukesh Poudel                                               | Study on transmission pattern and risk factors associated with the 2024 cholera outbreak in affected districts in nepal                                            |
| 48  | 222_2025    | Megha Raj Banjara<br>Dorinda Beulah<br>Adorkor Nelson-Cofie | Community insights for dengue control: addressing aedes vectors and public perceptions in udayapur, nepal                                                          |
| 49  | 197_2025    | Siddhartha Khanal                                           | Exploring musculoskeletal health among individuals living with hiv/aids in rural nepal: prevalence, barriers to care, and community perspectives                   |

| S.N | Protocol ID | Principal Investigator              | Communicable disease                                                                                                                                                            |
|-----|-------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 50  | 184_2025    | Dharma Datta Subedi                 | Prevalence and pattern of fecal-oral infection in emergency patients before, during, and after coronavirus disease 2019 at a tertiary care hospital                             |
| 51  | 173_2025    | Kritika Dixit                       | Understanding tb stigma among the madhesi community of nepal to design effective solutions                                                                                      |
| 52  | 166_2025    | Mahesh Shah                         | Biopsy-based qpcr diagnosis and antimicrobial resistance surveillance in leprosy                                                                                                |
| 53  | 167_2025    | Kritika Dixit                       | Care for cure: co-design of a simple, gender-sensitive care package to improve holistic well-being and patient centered care for residents at mdr tb treatment hostels in nepal |
| 54  | 125_2025    | Gobind Raj Joshi                    | Magnitude of co-morbidities and associated factors among tuberculosis patients in dang and banke districts of nepal: a health facility based cross-sectional study.             |
| 55  | 107_2025    | Kiran Raj Awasthi                   | Community engagement in vector borne disease prevention                                                                                                                         |
| 56  | 65_2025     | Amol Dahal                          | Identification of dengue virus serotypes and analysis of mir-1246 as a biomarker for disease severity                                                                           |
| 57  | 55_2025     | Rajesh Kumar Gupta                  | Molecular characterization of human papilloma virus (hvp) from cervical swab of females of reproductive age in nepal                                                            |
| 58  | 45_2025     | Birendra Gupta                      | Molecular epidemiology of flavivirus (dengue, jev, zika), chikungunya and determination of bio marker of dengue in koshi provinces of nepal                                     |
| 59  | 36_2025     | Roshan Kumar Mahato                 | Spatial analysis of dengue fever in gandaki province, nepal                                                                                                                     |
| 60  | 22_2025     | Sarad Chandra Kafle                 | Prevalence and prognosis of infectious diseases in nepal: a data mining approach                                                                                                |
| 61  | 21_2025     | Deena Shrestha                      | Lf morbidity-based hotspot identification survey: a way towards endgame                                                                                                         |
| 62  | 4_2025      | Sanket Kumar Risal                  | Increasing cases of hepatitis b: diagnosis, management, and prevention in choudhary sarkar baksh polyclinic, nepal                                                              |
| 63  | 707_2024    | Rajesh Kumar Yadav                  | The role of communities and partners engagement to end tb in nepal                                                                                                              |
| 64  | 703_2024    | Sabina Dongol                       | Enhancing enteric fever diagnosis through advanced serological techniques in nepal                                                                                              |
| 65  | 688_2024    | Ajay Kumar Chaurasiya               | Analysis of opportunistic fungal pathogens in oncology patients                                                                                                                 |
| 66  | 686_2024    | Young Chan Kim<br>Shrijana Shrestha | Seroprevalence and seroincidence of enteric fever in nepalese children.                                                                                                         |

| S.N | Protocol ID | Principal Investigator              | Communicable disease                                                                                                                                                                                                                         |
|-----|-------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 67  | 675_2024    | Pujan Balla                         | A retrospective study on common bacterial isolates from sputum culture at province hospital in surkhet                                                                                                                                       |
| 68  | 670_2024    | Achut Babu Ojha                     | Roles of health workers in the management of mass drug administration in lymphatic filariasis elimination program of nepal: a mixed-method study                                                                                             |
| 69  | 660_2024    | Hanako Iwashita<br>Abha Shrestha    | Factors associated with the diarrhea, intention to handwashing and use of who recommended hand washing control measures through mobile application to control diarrhea: assessment and preferences using discrete choice experiment approach |
| 70  | 639_2024    | Sanket Kumar Risal                  | Analysis of incidence and associated factors of tuberculosis (tb) among people living with hiv (plhiv) at bheri hospital, nepalgunj                                                                                                          |
| 71  | 638_2024    | Shiva Acharya                       | Effectiveness of mobile phone application to improve medical outcome among tuberculosis patients in nepal - an experimental study.                                                                                                           |
| 72  | 632_2024    | Ram Krishna Shrestha                | Characterization of respiratory syncytial virus circulating in nepal                                                                                                                                                                         |
| 73  | 576_2024    | Dinesh Kumar<br>Choudhary           | Influence of tympanosclerosis on outcome of myringoplasty                                                                                                                                                                                    |
| 74  | 570_2024    | Dinesh Kumar<br>Choudhary           | Comparison of neomycin/betamethasone otic solution alone vs. Combined with oral amoxicillin in acute exacerbation of chronic suppurative otitis media (safe type)                                                                            |
| 75  | 561_2024    | Resham Bahadur Thapa                | Field-based evaluation of contraflow, a natural insect growth regulator larvicide, for mosquito vector control in janakpur, nepal                                                                                                            |
| 76  | 529_2024    | Louise Kelly-Hope<br>Deena Shrestha | Dengue outbreaks in nepal: assessing health system challenges and identifying strategies for strengthening surveillance and control                                                                                                          |
| 77  | 526_2024    | Shashi Kandel                       | Understanding imported malaria: geographic origins and their association with plasmodium vivax infection in narainapur municipality, banke, nepal, 2024                                                                                      |
| 78  | 523_2024    | Madan Singh Bohara                  | Molecular characterization of multidrug resistant bacteria isolated from clinical samples at mahakali provincial hospital, nepal                                                                                                             |
| 79  | 513_2024    | Hitesh Kumar Bhattarai              | Identifying mutations driving drug-resistant tuberculosis in nepal using targeted next-generation sequencing (tngs).                                                                                                                         |
| 80  | 504_2024    | Ajaya Basnet                        | Detection of cytomegalovirus dna by real-time polymerase chain reaction in a reference laboratory                                                                                                                                            |
| 81  | 503_2024    | Sohani Bajracharya                  | Prevalence of high-risk human papillomavirus (hvp-16 and hvp-18) in females with histopathological abnormalities                                                                                                                             |

| S.N | Protocol ID | Principal Investigator            | Communicable disease                                                                                                                                                                               |
|-----|-------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 82  | 502_2024    | Ajaya Basnet                      | Quantification of hepatitis b virus and hepatitis c virus genome by real-time polymerase chain reaction                                                                                            |
| 83  | 500_2024    | Sohani Bajracharya                | Antimicrobial resistance in bacterial isolates isolated from clinical specimens received in a reference laboratory in kathmandu, nepal: a three-year retrospective study.                          |
| 84  | 483_2024    | Sabitri Sapkota<br>Sarbesh Sharma | Developing and testing a digital health tool for intersectional stigma assessment and reduction at multiple levels and multiple dimensions (include) to improve hiv care in art centers in nepal   |
| 85  | 463_2024    | Manisha Dhakal                    | Sweekar - multi-level intersectional stigma reduction intervention to increase hiv testing and care engagement among trans women in nepal                                                          |
| 86  | 458_2024    | Sarbesh Sharma                    | Bio-behavioral surveillance survey among female sex workers in nepal, 2024/25                                                                                                                      |
| 87  | 457_2024    | Sarbesh Sharma                    | Bio-behavioral surveillance survey among men who have sex with men and transgender people in nepal, 2024/25                                                                                        |
| 88  | 464_2024    | Prakash Bhattarai                 | Epidemiological profile of animal bite victims and management practices in lumbini provincial hospital, butwal.                                                                                    |
| 89  | 441_2024    | Sishir Poudel                     | Co-occurrence of risk factors of multi-drug-resistant tuberculosis: a case control study in gandaki province, nepal                                                                                |
| 90  | 443_2024    | Rajeev Shrestha                   | Understanding burden of dengue and relation of its genotype/phenotype with clinical outcomes: hospital based genomic surveillance                                                                  |
| 91  | 435_2024    | Ashata Dahal                      | A qualitative study to explore the perceptions and health-seeking behaviors of people of kathmandu valley regarding influenza and willingness to participate in influenza-related clinical trials. |
| 92  | 418_2024    | Anil Khanal                       | Community-based case-control study to assess associated factors: sociodemographic, protective, and environmental factors in lymphatic filariasis endemic district of gandaki province, nepal       |
| 93  | 412_2024    | Muskan Pudasainee                 | Factors associated with the acceptability of mass drug administration for lymphatic filariasis and its impact in selected districts of nepal: a mixed method study                                 |
| 94  | 393_2024    | Tarkeshwor Mahato                 | Socio-demographic and clinical profile of patients with hiv infection under art at tertiary care center- a cross-sectional descriptive study                                                       |
| 95  | 389_2024    | Tarkeshwor Mahato                 | Study of clinical profile and outcome of patients with snake bite at a tertiary care center in madhesh province                                                                                    |

| S.N | Protocol ID | Principal Investigator | Communicable disease                                                                                                                |
|-----|-------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 96  | 388_2024    | Nanda K. Adhikari      | Understanding health insurance accessibility for plhiv kathmandu valley: barriers, attitudes and policy recommendations             |
| 97  | 376_2024    | Sofiya Lama            | Use of handheld ultrasound for the early detection of leprosy and evaluation of its value as compared to existing diagnostic tests. |

| S.N | Protocol ID | Principal Investigator | Dentistry                                                                                                                                                                |
|-----|-------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 98  | 410_2025    | Ramita Duwal           | Knowledge, awareness, and attitude of root canal treatment among patients visiting Bhaktapur hospital, Nepal                                                             |
| 99  | 385_2025    | Bijay Tamang           | Enhancing Oral Health Among Nepali Children Through Peer-Led Social Network Interventions                                                                                |
| 100 | 361_2025    | Prakash Kafle          | Factors Associated with Painful Local Anesthesia Injection.                                                                                                              |
| 101 | 277_2025    | Barsha Thapa           | Assessment of Oral health Status and treatment needs: Hospital based Cross-sectional study at Lumbini Provincial Hospital                                                |
| 102 | 264_2025    | Shiv Kumar Chaudhary   | Prevalence of dental caries among patients visiting a tertiary hospital in sudurpaschim province, Nepal                                                                  |
| 103 | 242_2025    | Bibha Pathak           | Awareness, Knowledge, Attitude and Associated Problems Towards Replacement of Missing Teeth Among Partially Dentate Patients Attending Dental Services in Nepal          |
| 104 | 61_2025     | Dinesha Shrestha       | Effectiveness of audio tactile performance technique with sing-along lyrics on oral hygiene instruction to visually impaired individuals : A Match-pair randomized study |
| 105 | 712_2024    | Garima Khadka          | Evaluation of Clinical and Patient-reported Outcomes of Non-surgical Periodontal Therapy in Patients with Periodontitis                                                  |
| 106 | 654_2024    | Barsha Thapa           | Assessment of diversity in dental patterns on orthopantomogram: An analytical cross-sectional study                                                                      |
| 107 | 474_2024    | Rabindra Man Shrestha  | Health technology assessment of orthodontic service in health system of central Nepal                                                                                    |
| 108 | 380_2024    | Arjun Hari Rijal       | Comparison of Scalpel Versus Ceramic Soft Tissue TrimmingBur Techniquein Gingival Depigmentation Procedure: Split- Mouth Randomized Controlled Trial                     |

| S.N | Protocol ID | Principal Investigator                                    | Disabilities                                                                                                                   |
|-----|-------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 109 | 344_2025    | Madhusudan Pokharel                                       | Implementing Non-Specialist-Delivered Caregiver-Mediated Support for Children with Neurodevelopmental Delays in Nepal          |
| 110 | 342_2025    | Shree Krishna Shilpakar                                   | Attitude of health workers working in kathmandu valley towards persons with disabilities                                       |
| 111 | 249_2025    | Obindra Bahadur Chand                                     | Exploring Intersections of Disability, Mobility, and Mental Health among Returnee Migrants in Nepal: A Mixed Methods Study     |
| 112 | 246_2025    | Carin Frida Ingegärd G Hillerdal Andrews<br>Rejina Gurung | Family-centered INTERvention and Epidemiology of Developmental Delays and Disabilities in Kaski Project 2: a feasibility trial |
| 113 | 77_2025     | Chin Chee Wei<br>Winston                                  | Disability in Nepal: The lived experience of physical disability and access to rehabilitation services in Dang District        |
| 114 | 511_2024    | Pratisthit Lal Shrestha<br>Catherine Holloway             | Assistive Technology (AT2030): Situational Analysis of Manual Wheelchair Provision in Nepal                                    |
| 115 | 510_2024    | Pratisthit Lal Shrestha<br>Catherine Holloway             | AT2030: Local Assistive Technology (AT) Systems Strengthening for Sustainable Provision and Maintenance                        |
| 116 | 423_2024    | Shashish Ghimire                                          | Auditory Working Memory, Temporal Pattern and MOCA in adults with mild to moderate hearing loss: Comparative Study             |

| S.N | Protocol ID | Principal Investigator | Emergency, Trauma and Critical care                                                                                                                                |
|-----|-------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 117 | 392_2025    | Mandeep Bahadur Pathak | A Retrospective Review of Orthopedic Surgical Outcomes at Bayalpata Hospital                                                                                       |
| 118 | 371_2025    | Rudra Narayan Shah     | Epidemiology and outcome of traumatic brain injuries: a retrospective study in a tertiary care center                                                              |
| 119 | 254_2025    | Mohan Nath             | Pattern of Orthopaedic Injuries in Patients Presenting to a Tertiary Care Hospital in Sudurpaschim Province, Nepal                                                 |
| 120 | 218_2025    | Bikash Mandal          | Etiology and Outcomes of Laparotomy in a Tertiary Care Center in Far-Western Nepal                                                                                 |
| 121 | 192_2025    | Rakesh Ghimire         | Impact of Pesticide Regulations on Fatal Poisonings and Agricultural Practices in Nepal: A Post-Ban Analysis                                                       |
| 122 | 186_2025    | Damber Khadka          | Patterns and Socio-Demographic association of Alcohol Use Disorder (AUD) in patients attending the Emergency Department of a Provincial Hospital in Surkhet, Nepal |
| 123 | 158_2025    | Bibek Kumar Purbey     | Outcomes of endoscopic retrograde cholangiopancreatography (ERCP): An observational multicentric study                                                             |

| S.N | Protocol ID | Principal Investigator             | Emergency, Trauma and Critical care                                                                                                                                                     |
|-----|-------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 124 | 129_2025    | Bashu Parajuli                     | Obstetric admissions to intensive care units in Nepal: a retrospective registry-based data analysis                                                                                     |
| 125 | 122_2025    | Badri Rijal                        | Epidemiology, associated injuries and outcome of traumatic cervical spine fractures: A retrospective study                                                                              |
| 126 | 117_2025    | Prasan Bir Singh Kansakar          | Appendicitis Global Outcomes Study: Identifying areas for whole systems strengthening in emergency care                                                                                 |
| 127 | 104_2025    | Ramu Kharel Mandeep Pathak         | Validation of Pre-Hospital Trauma Care Educational Videos for Community Health Responders in Rural Nepal: Assessing Appropriateness, Usability, and Effectiveness                       |
| 128 | 92_2025     | Piyush Giri                        | Outcome of Finger Replantation in Western Nepal: A Retrospective Cross-Sectional Study                                                                                                  |
| 129 | 89_2025     | Sudeep Khanal                      | Severity and Pattern of Motorcycle Injuries in Emergency Department of a Tertiary Trauma Care Hospital: A Prospective Observational Study                                               |
| 130 | 78_2025     | Dipendra Pandey Justine Ina Davies | Fracture Evaluation Management & Understanding Research (FEMUR): A Prospective Global Cohort Study                                                                                      |
| 131 | 31_2025     | Prabesh Joshi                      | Appendicitis Global Outcomes Study: Identifying areas for whole systems strengthening in emergency care                                                                                 |
| 132 | 19_2025     | Raju Shrestha                      | Determinants of mortality of non-ventilated patients admitted to ICU at selective hospitals of Nepal: A Secondary data analysis                                                         |
| 133 | 12_2025     | Rubi Sah                           | Comparative study of Propofol versus Etomidate on the hemodynamic changes during induction and endotracheal intubation under general anesthesia undergoing laparoscopic cholecystectomy |
| 134 | 711_2024    | Rupesh Kumar Gami                  | Practice of Fluid Therapy in Critically Ill Invasively Ventilated patients (PRoFLUID)                                                                                                   |
| 135 | 710_2024    | Ramu Kharel Mandeep Pathak         | Point of Care Ultrasound for the Diagnosis of Upper Extremity Fractures in Nepal                                                                                                        |
| 136 | 687_2024    | Gaurab Khadka                      | Epidemiology of road traffic accidents among patients presenting to the Madhyabindhu Hospital                                                                                           |
| 137 | 685_2024    | Pujan Balla                        | Preoperative Anemia in Patients Undergoing Pre-Anesthetic Evaluation for Elective Surgery at a Province Hospital in Karnali, Nepal: A Prospective Observational Descriptive Study       |
| 138 | 649_2024    | Sanket Kumar Risal                 | A Profile of Clinical Features and Outcomes in Snakebite Envenomation Patients at Bheri Hospital, Nepal                                                                                 |

| S.N | Protocol ID | Principal Investigator                              | Emergency, Trauma and Critical care                                                                                                                                         |
|-----|-------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 139 | 642_2024    | Bijay Kumar Mehta                                   | Clinical and Radiological Outcome of Internal Fixation of Tibial Plateau Fractures                                                                                          |
| 140 | 597_2024    | Bimal Singh Bist                                    | Assessment of injuries as chief complaint of school children served by School nurses in Nepal                                                                               |
| 141 | 563_2024    | Mandeep Pathak                                      | Assessing Hospital and Community Disaster Preparedness in Sanfebagar Municipality, Nepal                                                                                    |
| 142 | 537_2024    | Raj Kumar Dangal                                    | Improving Emergency Care in Community Outreach Centers in Nepal through Project ECHO (Extension for Community Healthcare outcomes)                                          |
| 143 | 536_2024    | Santosh Bhatta<br>Asmita Ghimire                    | Developing an educational intervention for parents to promote preschool child safety in Nepal                                                                               |
| 144 | 506_2024    | Bimal Singh Bist                                    | Effectiveness and Knowledge Retention Among Community First Responders of Geruwa Municipality in Nepal                                                                      |
| 145 | 467_2024    | Sangina Ranjit Malla<br>Edwardine Mirna<br>Mohanraj | Adaptation of a paired spontaneous awakening and spontaneous breathing trial to a resource-limited intensive care unit in Nepal                                             |
| 146 | 442_2024    | Pavan Kumar Sah                                     | Assessing the Knowledge, Attitudes, and Practices of Healthcare Providers working in the Emergency Unit of Hub and Satellite Hospitals in Nepal regarding Pre-Hospital Care |

| S.N | Protocol ID | Principal Investigator       | Environmental and occupational health                                                                                                                                                      |
|-----|-------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 147 | 419_2025    | Mandira Lamichhane<br>Dhimal | National Situation Assessment of Dengue Epidemiology and Implementation of Climate Health Analytics Platform (CHAP) for Prediction of Dengue in Selected Districts of Nepal                |
| 148 | 378_2025    | Jiban Kumar Karki            | Investing in Women and Vulnerable Groups to Build Community Health Resilience to the Impacts of Climate Change in Barekot Rural Municipality, Jajarkot District, Nepal: A mix-method study |
| 149 | 363_2025    | Pitambar Aryal               | A study on Climate Induced Disasters and Consequences on Public Health in Helambu and Melamchi Municipalities, Sindhupalchok, Nepal                                                        |
| 150 | 336_2025    | Mandira Lamichhane           | Enhancing Climate-Health Resilience: Community-Based Surveillance and Anticipatory Action for Early Detection of Climate-Sensitive Diseases in Susta Rural Municipality                    |
| 151 | 334_2025    | Rasmita Shrestha             | Occupational Health and Safety Among Tea Factory Workers in The Ilam District of Nepal                                                                                                     |
| 152 | 324_2025    | Sarashwati Giri              | Health Risk Factors and Occupational Safety Hazards Among Brick Kiln Workers in Bhaktapur, Nepal: A Cross-Sectional Study                                                                  |

| S.N | Protocol ID | Principal Investigator                            | Environmental and occupational health                                                                                              |
|-----|-------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 153 | 252_2025    | Archana Bhaila                                    | An ergonomics study on occupational disorders among metal craftsmen of Lalitpur, Nepal                                             |
| 154 | 240_2025    | Sanjeeb Tiwari                                    | Perceptions of Climate Change Among Residents living in Mountain region, Nepal: A Qualitative Study                                |
| 155 | 202_2025    | Jaya Narayan Acharya                              | Disaster Governance and Its contextualization In Nepal                                                                             |
| 156 | 201_2025    | Heather K Amato<br>Dipesh Tamrakar                | FARM-SAFE: Facilitating Antibiotic Resistance and Pathogen Monitoring for Safe and Sustainable Farming in Nepal                    |
| 157 | 151_2025    | Kusumsheela Bhatta                                | Effect of Climate Change on Indigenous Tharu Community Mental Well-being from a One Health Perspective: A Mixed-Methods Study      |
| 158 | 87_2025     | Anne Kirstine Bluhm<br>Pedersen<br>Dinesh Neupane | Exploration of occupational health and safety in garment and textile industry workers in Bharatpur and Kathmandu, Nepal            |
| 159 | 671_2024    | Aashish Lamichhane                                | Exploring the nexus between Climate Anxiety, Environmental Attitude and Resilience among High School Students of Nepal.            |
| 160 | 661_2024    | Sera L Young<br>Bal Mukunda Kunwar                | Development and validation of a tool to measure experiences of water, sanitation, and hygiene insecurity in institutional settings |
| 161 | 647_2024    | Ruby Maka Shrestha                                | The Political Economy of vulnerability to air pollution in the Kathmandu valley                                                    |
| 162 | 637_2024    | Binaya KC<br>Ian Philip Hall                      | Defining the effects of exposure to indoor biomass smoke during cooking on the human plasma proteome and nasal epithelium          |
| 163 | 636_2024    | Bhupendra Devkota                                 | Research plan on mercury pollution from Gold-plating sector in Nepal                                                               |
| 164 | 603_2024    | James D. Johnston<br>Seshananda Sanjel            | Respiratory, vascular, and inflammatory health effects associated with brick workers' aerosol exposures                            |
| 165 | 568_2024    | Santa Kumar Das<br>William Checkley               | Assessing Hearing Status among Brick Kiln Workers in Bhaktapur, Nepal: A Case-Control Study                                        |
| 166 | 560_2024    | Manoj Kumar Shahi                                 | Genetic characterization and investigation of antimicrobial resistance bacteria isolated from environmental water samples          |
| 167 | 534_2024    | Bal Mukunda Kunwar<br>Sara J. Marks               | Optimizing chlorination treatment technology arrangements for rural piped water supplies in hilly areas of Nepal                   |
| 168 | 530_2024    | Santa Kumar Das<br>William Checkley               | Setting up a screening program for brick kiln workers with limited access to health care in Bhaktapur, Nepal                       |
| 169 | 524_2024    | Vincenzo Bollettino<br>Ganesh Dhungana            | Climate Resilience through Women's Leadership in Nepal's Koshi Province                                                            |

| S.N | Protocol ID | Principal Investigator                       | Environmental and occupational health                                                                                                                              |
|-----|-------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 170 | 489_2024    | Khem Raj Sapkota                             | A comprehensive analysis of Biomedical Waste Management practices among laboratory staff in health facilities in Kathmandu Valley: Cross-sectional study           |
| 171 | 468_2024    | Juyeon Lee                                   | Integrated Study for Improving Landslide Early Warning System (LEWS) in Nepal: Assessing LEWS Gaps and Analyzing Factors Influencing Residents' Adaptive Behaviors |
| 172 | 459_2024    | Jiban Karki                                  | Developing women's role in policy-making processes: shaping gender equity and inclusiveness in climate action for health and wellbeing in Nepal                    |
| 173 | 446_2024    | Suresh Bhattarai                             | Unveiling the Ripple Effect: Power Outages and Hospital Service Disruption                                                                                         |
| 174 | 444_2024    | Prabesh Neupane                              | Radiation Exposure from Coronary Procedures in Catheterization laboratory                                                                                          |
| 175 | 414_2024    | Elizabeth Taber<br>Bishnu Hari Bhatta        | Waste Management Practices in Small-sized Nepali Cities                                                                                                            |
| 176 | 377_2024    | Biraj Man Karmacharya<br>Amy Rebecca Sapkota | Feasibility study on drinking water surveillance system and wastewater treatment system in Kavrepalanchowk district, Nepal                                         |

| S.N | Protocol ID | Principal Investigator          | Essential Medical Product                                                                                                                                                                 |
|-----|-------------|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 177 | 289_2025    | Deepak Paudel                   | Antimicrobial Resistance as a Public Health Threat: An analysis of stakeholder's opinion on integration of core competencies of the One Health approach in Nepal                          |
| 178 | 273_2025    | Heem Sunder Shakya              | Evidence based practice of quantification/forecasting and procurement of Paracetamol and Iron tablets in Public Health Institutions in Nepal                                              |
| 179 | 71_2025     | Lokeshwar Chaurasia             | Knowledge and Attitude of Health Care Professionals on Pharmacovigilance in a Medical College of Madhesh Province, Nepal                                                                  |
| 180 | 23_2025     | Florian Marks<br>Santosh Paudel | Economic Burden of Infections with Antimicrobial Resistance in Nepal                                                                                                                      |
| 181 | 11_2025     | Saroj Sharma<br>Florian Marks   | Hospital National Antimicrobial Prescribing Survey in Two Tertiary Hospitals of Nepal                                                                                                     |
| 182 | 694_2024    | Shristi Shrestha                | A Real world, Cross-sectional, Observational study to understand drug utilization pattern of superbioavailable Itraconazole in the management of fungal infections in Nepalese Population |
| 183 | 618_2024    | Sushil Nepal                    | Assessment of the Quality of Adverse Drug Reaction Reports Submitted to the National Pharmacovigilance Center of Nepal: A Comparative Pre-/Post-Training Evaluation                       |

| S.N | Protocol ID | Principal Investigator                              | Essential Medical Product                                                                                                                                                                                |
|-----|-------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 184 | 578_2024    | Pooja Maharjan                                      | Quality Testing of Samples of Medicines used for the Management of Hypertensive Disorders of Pregnancy throughout the supply chain in three different regions of Nepal: A Cross-sectional Quality Survey |
| 185 | 532_2024    | Ritu Amatya                                         | Antibiotic use point prevalence survey in different hospitals of Nepal                                                                                                                                   |
| 186 | 472_2024    | Megha Raj Banjara<br>Jorge Manuel Pinto<br>Ferreira | Use of Antimicrobials as Growth Promoters among Poultry Farmers in Nepal: Associated Behaviors and Economic Considerations                                                                               |
| 187 | 460_2024    | Komal Raj Rijal                                     | Ethical tensions around over the counter use of antimicrobials and interventions and prevention strategies against antimicrobial resistance in Nepal: a stakeholder analysis                             |
| 188 | 432_2024    | Milan Khadka                                        | Role of fixed dose combination of Telmisartan & Amlodipine in management of hypertension in Nepalese population                                                                                          |

| S.N | Protocol ID | Principal Investigator        | Gender Based Violence                                                                                                                                                        |
|-----|-------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 189 | 185_2025    | Buddi Kumar Shrestha          | Beyond Classroom Walls: Sociocultural Determinants on Adolescent Girls' Education in Kathmandu                                                                               |
| 190 | 75_2025     | Samiksha Dhakal               | Evaluating the Impact of a Web-Based Sexual Violence Prevention Training Program for College Students in Nepal: A Pre-Test and Post-Test Analysis of Knowledge and Awareness |
| 191 | 692_2024    | Pushpa Kumari<br>Ghimire      | Prevalence and characteristic of child abuse: A retrospective cross sectional survey analysis of federal hospital in Nepal                                                   |
| 192 | 676_2024    | Diksha Sapkota<br>Sofia Sahab | Exploring Perspectives on Using AI-based Approaches to Support Victim Survivors of Domestic and Family Violence: A Qualitative Study                                         |
| 193 | 486_2024    | Roshani Devi Karki            | An Assessment of One-Stop Crisis Management Center (OCMC)                                                                                                                    |
| 194 | 398_2024    | Keshab Deuba                  | Effectiveness of peer counseling in addressing exposure to violence and psychological distress among LGBTI population in Nepal                                               |

| S.N | Protocol ID | Principal Investigator | Geriatric Health                                                                                                                           |
|-----|-------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 195 | 171_2025    | Sapthalta Shrestha     | Cognition Status and Functional Ability among Senior Citizens Residing in selected Community of Pokhara Metropolitan City                  |
| 196 | 136_2025    | Shirish KC             | Assessment of Nutritional Status, Physical and Mental Well-Being of Elderly Residents in a Care Home in Kathmandu: A Cross-Sectional Study |

| S.N | Protocol ID | Principal Investigator | Geriatric Health                                                                                                                                                                     |
|-----|-------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 197 | 120_2025    | Tulasi Acharya         | Assessing Senior Citizen's Quality of Life in Lo Manthang, Upper Mustang, Nepal                                                                                                      |
| 198 | 86_2025     | Anil Regmi             | Exploring the Relationship Between Knee Osteoarthritis and Periarticular Bursitis: A Sonographic Study                                                                               |
| 199 | 679_2024    | Punam Kumari Mandal    | Determinants of Dietary Diversity and Nutritional Status of Older People in Morang: A Community-Based Study                                                                          |
| 200 | 608_2024    | Anil Regmi             | Stride Length vs. Canal Width: Exploring the Correlation Between Claudication Distance and Lumbar Canal Diameter                                                                     |
| 201 | 476_2024    | Sunita Pandey          | Impact of In-Out-Country Migration of Younger Generations on the Quality of Life of Left-behind Older Adults: A Mixed Method Study in Deurali Village of Palpa District, Nepal       |
| 202 | 462_2024    | Sudarshan Paudel       | Lived Experiences of Caretakers to Dementia Patients                                                                                                                                 |
| 203 | 427_2024    | Pradip Gyanwali        | Consumer Wearable Health Technology Adoption Among Elderly Populations in Nepal: Enhancing Chronic Disease Management and Healthcare Accessibility in the Digital Era: A Pilot Study |
| 204 | 404_2024    | Anup Acharya           | Multidisciplinary Community rehabilitation approach for older adults with hip fractures in low and middle-income countries: A Case series                                            |
| 205 | 403_2024    | Madhu Gupta            | To explore the effectiveness of the digital nursing and health education model in improving surgical anxiety and wound healing in elderly patients during interventional surgery     |

| S.N | Protocol ID | Principal Investigator | Health Care Delivery System                                                                                                                                            |
|-----|-------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 206 | 449_2025    | Shambhu Adhikari       | An assessment of satisfaction among parents concerning anesthesia care provided to their children in a rural hospital setting in Nepal                                 |
| 207 | 435_2025    | Deepak Paudel          | Review of Community Health Systems in Nepal: A rapid mixed-method assessment of providers, services and systems in selected Local Governments                          |
| 208 | 412_2025    | Padam Prasad Simkhada  | Strengthening Institutional Knowledge and Capacity of Federal, Provincial and Local Governments for Evidence-Informed Health Policymaking in Nepal                     |
| 209 | 360_2025    | Amrita Shrestha        | Paving the way for dignity in health care: A Qualitative study in Hospitals to develop Nepal-specific dignity model for children and adults with life limiting illness |
| 210 | 333_2025    | Jyoti Bhaju Lama       | Perioperative Outcome in Gynecological Oncology Surgeries: A Single Centre Study                                                                                       |

| S.N | Protocol ID | Principal Investigator              | Health Care Delivery System                                                                                                                                             |
|-----|-------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 211 | 332_2025    | Sanjeev Sharma Kattel               | Temperature Mapping of Vaccine Cold Rooms and Temperature Monitoring of Vaccines During Transportation in Nepal                                                         |
| 212 | 331_2025    | Jyoti Bhaju Lama                    | Outcome of staging laparotomy in ovarian mass in a tertiary care center: A Single Centre Study                                                                          |
| 213 | 319_2025    | Santa Kumar Das<br>William Checkley | Assessment of health care facility readiness to manage chronic respiratory diseases in Bhaktapur district, Nepal                                                        |
| 214 | 306_2025    | Anuradha Chaudhary<br>0             | Client satisfaction in clinical health laboratory services in Koshi Province Public Health Laboratory                                                                   |
| 215 | 280_2025    | Kapil Shahi                         | Retrospective study of the ear, nose & throat foreign bodies in patient visiting Bheri hospital                                                                         |
| 216 | 263_2025    | Sujan Dhakal                        | Benchmarking Clinical Outcomes in a Level II Closed ICU in Provincial Hospital: A Two-Year Retrospective Audit.                                                         |
| 217 | 259_2025    | Smriti Rai                          | Speech Language Pathologists' knowledge and practice on use of Augmentative Alternative Communication for children with autism spectrum disorder in Nepal               |
| 218 | 258_2025    | Abinash Jha                         | Assessment of Radiographers' Engagement in Research Activities and Utilization of Evidence-Based Practice in Clinical Settings of Nepal                                 |
| 219 | 233_2025    | Abinash Jha                         | Job Satisfaction and Career Aspirations of Radiographers and Radiologic Technologists in Nepal: Creating a Pathway for Career Growth                                    |
| 220 | 232_2025    | Ipsa Bhandari                       | Outcomes Following Primary Excision of Ocular Surface Squamous Neoplasia at A Tertiary Eye Care Center in The Mid-Western Region of Nepal                               |
| 221 | 221_2025    | Utsab Man Shrestha                  | Male breast cancer: An experience at a tertiary cancer centre of Nepal                                                                                                  |
| 222 | 212_2025    | Arjun Poudel                        | Availability and Accessibility of Essential Drugs of NCDs and Mental Disorders in Different Tiers of Civic Health Facilities in Bagamati Province: A mixed method study |
| 223 | 205_2025    | Bachchu Kailash Kaini               | The role of healthcare managers in aligning hospital policies with national climate change policies in Nepal                                                            |
| 224 | 187_2025    | Sunita Gurung                       | Quality of Work Life Among Nurses Working in A Teaching Hospital of Kaski District: A Cross-Sectional Quantitative Study                                                |
| 225 | 182_2025    | Bachchu Kailash Kaini               | A research study on patient safety culture among Nepali healthcare professionals using the AHRQ's tool 'Hospital Survey on Patient Safety Culture (Version: 2.0).       |

| S.N | Protocol ID | Principal Investigator | Health Care Delivery System                                                                                                                  |
|-----|-------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 226 | 180_2025    | Chham Bahadur Adhikari | Exploring the effectiveness of healthcare waste management practices in federal level hospitals of Nepal.                                    |
| 227 | 179_2025    | Mattan Arazi           | Barriers and Facilitators to Achieving WHO eCSC Global Targets: A CFIR-Based Analysis in Kenya and Nepal                                     |
| 228 | 176_2025    | Birendra Kumar Yadav   | Exploring Socioeconomic Barriers and Healthcare Access Impacting Delay in Cancer Diagnosis and Treatment in Nepal: A Mixed-Method Study      |
| 229 | 174_2025    | Alok Thakur            | Prevalence of Proctitis and Cystitis in Cervical Cancer Patients Undergoing Brachytherapy: A Retrospective Cross-Sectional Study             |
| 230 | 172_2025    | Birendra Kumar Yadav   | Barriers Hindering the Adoption of Molecular Testing in Lung Cancer Patients in Nepal: A Mixed-Methods Study at a Tertiary Cancer Hospital   |
| 231 | 169_2025    | Ram Prasad Wagle       | Participatory Monitoring and Evaluation in Local Level Health Service Delivery in Nepal: A Case Study of Panauti Municipality                |
| 232 | 165_2025    | Kushal Rizal           | Retrospective Study of Cisplatin-Induced Acute Kidney Injury (AKI) in Patients Receiving Weekly Concurrent Cisplatin Along with Radiotherapy |
| 233 | 146_2025    | Abinash Jha            | Enhancing Sustainability in Contrast Media Use: Knowledge, Implementation, and Training for Radiologic Technologists                         |
| 234 | 145_2025    | Uma Giri               | Profile of disease of patients attending dermatology OPD of Bhaktapur Hospital                                                               |
| 235 | 113_2025    | Lokeshwar Chaurasia    | Antibiotic Prescription Pattern in Out Patient Departments of a Tertiary Care Hospital of Madhesh Province, Nepal: A Cross-sectional Study   |
| 236 | 95_2025     | Jiwan Thapa            | Clinical Characteristics and Complications of Polypectomy of Colorectal Polyps: an Observational study from Western Nepal                    |
| 237 | 59_2025     | Yashawant Kumar Yadav  | Association of periventricular white matter hyperintensities with vascular impairment in cerebrovascular disease using MRI                   |
| 238 | 17_2025     | Abinash Jha            | Assessing the Knowledge and Awareness of CT Technologists Regarding CT Exposure Parameters                                                   |
| 239 | 9_2025      | Surya Bhatta           | Sustainability and impact of local-level long-term health plan in the federalized context of Nepal                                           |
| 240 | 3_2025      | Saroj Sharma           | Assessment of Surgical, Anesthesia and Obstetric (SAO) Care in the selected hospitals across Nepal                                           |

| S.N | Protocol ID | Principal Investigator                  | Health Care Delivery System                                                                                                                                                                                                              |
|-----|-------------|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 241 | 713_2024    | Jayashree Rai<br>Bernd Appelt           | Baseline Assessment of Inclusive Local Level Health Governance, Evidence-Based Planning, Multisectoral Coordination, Social Accountability, and Service Delivery in six local governments of Lumbini and Sudurpaschim Provinces of Nepal |
| 242 | 702_2024    | Shweta Baral                            | Quality indicators for radiotherapy of cervical cancers evaluation at tertiary cancer center in Nepal                                                                                                                                    |
| 243 | 701_2024    | Badri KC                                | Good Pharmacy Practice Implementation Strategies, Facilitators and Barriers                                                                                                                                                              |
| 244 | 700_2024    | Surendra Kumar<br>Uranw                 | Qualitative Assessment of Waste Management (Immunization and General Waste) at health facility level in Koshi, and Madhesh provinces of Nepal                                                                                            |
| 245 | 690_2024    | Santoshi Parajuli                       | Medical Radiation Safety Practices in the Context of Nepal: An In-Depth Interview with Radiographers and Local Policy Makers                                                                                                             |
| 246 | 681_2024    | Yubraj Acharya                          | Optimizing Antibiotics Prescription: A Stepped-Wedge Randomized Trial                                                                                                                                                                    |
| 247 | 633_2024    | Shakuntla Sapkota                       | Satisfaction on Antenatal Care Services among Pregnant Women in Province Hospital Surkhet of Nepal (2024)                                                                                                                                |
| 248 | 722_2024    | Satish Gurung                           | Identifying Palliative Care Needs among pensioners and their dependents of Gurkha Welfare Trust-Nepal (GWT-N) using SPICT-LIS: A prospective survey of clinic attending clinics and housebound clients                                   |
| 249 | 613_2024    | Amrita Shrestha                         | Lily ko Bagaicha: Assessing the Impact of a Pediatric Palliative Care Approach on Children with Developmental Disorders and Their Families at Green Pastures Hospital, Pokhara                                                           |
| 250 | 581_2024    | Rekha Manandhar                         | Hemovigilance Program in Nepal                                                                                                                                                                                                           |
| 251 | 580_2024    | Sanju Banstola                          | Availability and Utilization of Free Essential Medicines in Government Health Facilities and Perspective of Health Workers and Health Service Users in Gandaki Province, Nepal                                                           |
| 252 | 562_2024    | Sujan Dhakal                            | Assessment of preoperative anxiety in adult patient undergoing elective surgery in eastern sub-urban area of Nepal                                                                                                                       |
| 253 | 538_2024    | Anup Subedee                            | Study to evaluate hospital management and governance in Nepal                                                                                                                                                                            |
| 254 | 522_2024    | Nagendra Prasad Luitel<br>Young Su Park | Multidisciplinary Analysis of Digitally Preventable Health System Gap in Nepal                                                                                                                                                           |
| 255 | 491_2024    | Yashawant Kumar<br>Yadav                | Establishment of National Diagnostic Reference Levels (DRLs) for CT scans of Different Organs in Nepal.                                                                                                                                  |

| S.N | Protocol ID | Principal Investigator | Health Care Delivery System                                                                                                                                                                      |
|-----|-------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 256 | 498_2024    | Sita Pokhrel           | Socioeconomic Conditions and Barriers to Education and Health Insurance Among the Mushar Community in Morang District, Budiganga rural Municipality                                              |
| 257 | 482_2024    | Dipendra Khadka        | National Health Policy and it's implementation in local level of Nepal                                                                                                                           |
| 258 | 465_2024    | Shiva Bhandari         | Early Experiences of Laparoscopic Surgery at a rural hospital in Nepal                                                                                                                           |
| 259 | 451_2024    | Arati Poudel           | Evaluating the impact of Sunita project in delivering palliative care in rural areas: Early impact and feasibility of a new model of care in Rural Hospitals in Nepal                            |
| 260 | 454_2024    | Rupesh Jung Belbase    | A Comparative Analysis of Operative and Non-operative Management for Displaced Intra-articular Calcaneal Fractures: Balancing Anatomical Restoration with Functional Outcomes and Patient Safety |
| 261 | 410_2024    | Sanjib Kumar Sharma    | Implementation of the COMMunity HEalth System InnovatiON Project in low- and middle- income countries, COHESION – I                                                                              |

| S.N | Protocol ID | Principal Investigator | Health economics and health care financing                                                                                                                       |
|-----|-------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 262 | 347_2025    | Manisha Nepal          | Estimating Routine HPV Vaccine Delivery Costs for long term sustainability in Nepal: A health system analysis using the WHO C4P Tool                             |
| 263 | 341_2025    | Dhruba Raj Ghimire     | TA-10285 NEP: Studies on National Health Insurance Program, Social Security Fund, and Feasibility and Readiness of Health Facilities for Empanelment (57204-001) |
| 264 | 211_2025    | Sagun Paudel           | Understanding development of health financing strategy in Nepal: A qualitative policy analysis                                                                   |
| 265 | 142_2025    | Shweta Baral           | Formulation of financial toxicity in cancer patients' questionnaires by Delphi process                                                                           |
| 266 | 575_2024    | Arun Koirala           | Contribution of Information Technology to the Performance of Hospitals in Nepal                                                                                  |
| 267 | 550_2024    | Ramesh Prasad Adhikari | Assessment of effectiveness of Government's Health Insurance Program in Gandaki province, Nepal                                                                  |
| 268 | 514_2024    | Chandramani Wagle      | Geospatial mapping and accessibility assessment of health facilities providing social health security (health insurance) in Karnali Province, Nepal              |
| 269 | 471_2024    | Mukesh Adhikari        | Beyond Enrollment: Analyzing the impacts of policy incentives under Nepal's Health Insurance Program                                                             |

| S.N | Protocol ID | Principal Investigator | Health economics and health care financing                                                            |
|-----|-------------|------------------------|-------------------------------------------------------------------------------------------------------|
| 270 | 413_2024    | Tara Prasad Aryal      | Health Workers' Preferences regarding Female Community Health Volunteers' Role in the TB Care Cascade |
| 271 | 401_2024    | Ravi Kant Mishra       | Efficiency of basic health care service delivery in Nepal                                             |

| S.N | Protocol ID | Principal Investigator                   | Health in altitude including mountain medicine                                                                                                                                                                                           |
|-----|-------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 272 | 275_2025    | Tshering Wangdi Sherpa                   | Clinical, Endoscopic, and Histopathological Study of Upper Gastrointestinal Disorders Among High-Altitude Sherpa Residents in Eastern Nepal                                                                                              |
| 273 | 99_2025     | Santosh Baniya<br>Robert Koch            | Effects of hypoxia on human microbiome; under controlled intermittent normobaric conditions and under high altitude hypobaric conditions during mountain climb activity in healthy persons; a pilot study (Everest/Lhotse GI Study 2025) |
| 274 | 52_2025     | Narayan Mahotra<br>Craig Steinback       | Effect of altitude on heart rate control in Nepali Sherpa                                                                                                                                                                                |
| 275 | 556_2024    | Bimal Singh Bist                         | High-Altitude Healthcare: Assessing the Knowledge, Attitudes, and Practices of Everest's Climbing Guides                                                                                                                                 |
| 276 | 555_2024    | Kelsey Elizabeth Joyce<br>Santosh Baniya | Detection, Prediction and Prevention of Acute Mountain Sickness                                                                                                                                                                          |
| 277 | 528_2024    | Vittore Verratti<br>Suwas Bhandari       | Pyramid 24 Exploration and Physiology: Multisystem and Multiorgan Responses to Hypoxia in Human Adaptation of different geo-origin                                                                                                       |

| S.N | Protocol ID | Principal Investigator                          | Health Information Technology in Health Service and Research                                                                                                                                                       |
|-----|-------------|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 278 | 411_2025    | Sanjay Bikram Shrestha                          | A Retrospective Study of Serum Bilirubin as a Potential Marker in Diagnosing the Severity of Acute Appendicitis                                                                                                    |
| 279 | 357_2025    | Raba Thapa                                      | Evaluation of diabetic retinopathy screening by using artificial intelligence for the diagnostic accuracy and feasibility in diabetic physician clinic and community eye center in Nepal: An implementation study. |
| 280 | 330_2025    | Catherine Louise<br>Thwaites<br>Olita Shilpakar | Feasibility of using wearable devices and real-time AI to monitor hospitalised patients with community acquired pneumonia and suspected sepsis                                                                     |
| 281 | 316_2025    | Binod Chandra<br>Bhattarai                      | A Pilot Study on Cross-population Colon Polyp Detection using AI in Collaboration with Kathmandu University, Nepal                                                                                                 |
| 282 | 304_2025    | Santosh Khanal                                  | Integrating Clinical Information of painless sudden loss of vision for Predictive Analysis                                                                                                                         |
| 283 | 288_2025    | Sanjeeb Kumar Mishra                            | Develop and assess the impact of Pediatric Myopia Management Protocol among Eye Care Professionals                                                                                                                 |

| S.N | Protocol ID | Principal Investigator                  | Health Information Technology in Health Service and Research                                                                                                                   |
|-----|-------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 284 | 247_2025    | Sameer Kanwar<br>Diksha Pokhrel         | Rapid Assessment of Digital Health Platforms for Immunization Services in Bagmati and Gandaki provinces of Nepal                                                               |
| 285 | 157_2025    | Ranjan Shah                             | Environmental and Economic Impact Assessment of Teleophthalmology at Primary Eye Care Centres in Nepal: A Baseline and Post-Intervention Study                                 |
| 286 | 100_2025    | Suman Shumshere<br>Thapa                | Clinical Validation of Computer screen perimetry (Melbourne rapid fields) to standard automated perimetry                                                                      |
| 287 | 16_2025     | Bishesh Khanal                          | Blind Sweep Obstetric Ultrasound Data Collection for AI Models Development and Validation                                                                                      |
| 288 | 10_2025     | Renu Karki                              | Implementation of Antimicrobial Stewardship Program with Digital Health Tools in Selected Hospital of Nepal                                                                    |
| 289 | 1_2025      | Subash Gajurel                          | Strengthening Data Governance for AI and Digital Health in Nepal: Addressing Public Health challenges in Resource-Constrained Settings                                         |
| 290 | 645_2024    | Suja P Davis                            | Implementation of Educational Innovations in the Adult Health Nursing Curricula at Department of Nursing and Midwifery, Kathmandu University School of Medical Sciences, Nepal |
| 291 | 567_2024    | Binod Chandra<br>Bhattarai              | Cor-AI: A proof-of-concept study on coronary artery disease diagnostics from x-ray angiography images using AI                                                                 |
| 292 | 547_2024    | Dip Bahadur Singh                       | Data-Driven Hybrid Model Of SARIMA-CNNAR For Tuberculosis Incidence Time Series Analysis in Nepal                                                                              |
| 293 | 520_2024    | Suresh Rijal                            | Knowledge and Practices of Peer Review Process in Nepalese Medical Journals                                                                                                    |
| 294 | 515_2024    | Srijana Dongol Singh<br>Allison Judkins | Accuracy and Feasibility of the Non-Invasive Anemia Screening Assistant (ASIST) Device for validation in resource-limited settings among pregnant women and adolescent girls.  |
| 295 | 497_2024    | Punit Karmacharya                       | Accuracy of Disease Prediction Model developed by Deep Learning for Screening Oral Potentially Malignant Disorders and Oral Cancer, using Oral Photographs                     |
| 296 | 408_2024    | Sunil Thapa                             | Acceptance of Telemedicine among the Patients at Koshi Province: A case of Rabi PHC and Ghoretar PHC                                                                           |

| S.N | Protocol ID | Principal Investigator             | Health Workforce                                                                                                                                                                  |
|-----|-------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 297 | 394_2024    | Binaya Kandel                      | Assessing the Need for a Master's Degree Program in Physiotherapy in Nepal: A National Survey                                                                                     |
| 298 | 315_2025    | Sushil Chandra Baral               | Building a Resilient and Equitable Health Workforce to Address Climate Threats: A Mixed-Methods Study in Chandannath Municipality, Jumla, and Ghorahi Sub-Metropolitan City, Dang |
| 299 | 88_2025     | Prithuja Poudyal<br>Jared M Kutzin | Leadership, Education, debriefing in simulation-based education in tertiary hospital                                                                                              |
| 300 | 34_2025     | Satya Narayan Yadav                | Assessment of Performance in Active Malaria Case Surveillance of Female Community Health Volunteers in the High-endemic Areas of Nepal                                            |
| 301 | 14_2025     | Meghnath Dhimal                    | Assessing the perception of health professionals on climate change and health in Nepal                                                                                            |
| 302 | 721_2024    | Anita Gurung                       | Nursing School Climate and Academic Burnout among Undergraduate Nursing Students: A Survey Study                                                                                  |
| 303 | 715_2024    | Mukesh Adhikari                    | Burden and Factors Associated with Workplace Violence Against Healthcare Workers in Nepal                                                                                         |
| 304 | 658_2024    | Yogendra Prasad Mehta              | Quality of work life & its associated factors of nurses working in selected hospitals of Koshi province, Nepal                                                                    |
| 305 | 646_2024    | Radha Maharjan                     | Enrollment Trends of Post Basic Bachelor of Nursing Science Program and Students' Experiences on Process of Entry at Kathmandu District                                           |
| 306 | 569_2024    | Digbijay Kunwar                    | Prevalence and Patterns of Scientific Misconduct Among International Medical Graduates Aspiring for U.S. Residency: A Cross-Sectional Study.                                      |
| 307 | 540_2024    | Agnimshwor Dahal                   | Prevalence and factors associated with Burnout in critical care nurses working at tertiary-level hospitals in Nepal                                                               |
| 308 | 495_204     | Devika Danekhu                     | Knowledge, attitude, and practice on Peripherally Inserted Central Catheter (PICC) maintenance among Nepalese clinical nurses                                                     |

| S.N | Protocol ID | Principal Investigator | Human Genetics                                                                                                                                        |
|-----|-------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 309 | 393_2025    | Suman Chaudhary        | Vitamin D Deficiency in Adults with Sickle Cell Disease on Hydroxyurea Treatment in Sudurpaschim Province, Nepa                                       |
| 310 | 25_2025     | Jitendra Kumar Yadav   | Assessment of Clinical, Hematological, Biochemical, Coagulation, and Molecular Mechanism of Beta Thalassemia Major in a Cohort of Nepalese Population |

| S.N | Protocol ID | Principal Investigator | Human Genetics                                                                                                              |
|-----|-------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 311 | 20_2025     | Puspa Raj Khanal       | Identification and characterization mutations in the F8 gene in diagnosed hemophilia patients among the Nepalese population |
| 312 | 662_2024    | Santosh Chhetri        | Visual Behaviours in Children with Autistic Spectrum Disorder                                                               |

| S.N | Protocol ID | Principal Investigator             | Maternal Health                                                                                                                                                                                                  |
|-----|-------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 313 | 297_2025    | Prakash Shahi                      | Investigating inequities in utilisation of maternal healthcare services among women with disabilities in Jumla, Nepal: A qualitative study                                                                       |
| 314 | 285_2025    | Manish Shrestha                    | Comparative study of Ropivacaine versus Bupivacaine in Transversus Abdominis Plane Block on Postoperative analgesia in patient undergoing lower segment caesarean section.                                       |
| 315 | 256_2025    | Shristi Timilsena                  | Knowledge, attitude, and practice regarding perinatal mental health assessment and promotion among sbas (skilled birth attendants) of gandaki province                                                           |
| 316 | 237_2025    | Nirmala Neupane<br>Eunjin Lee      | Effect of menstrual education on its knowledge, attitude, and coping behavior of female adults in Nepal                                                                                                          |
| 317 | 236_2025    | Janak Thapa                        | Maternal and newborn health status and its determinants in Dhanusha district: A Baseline study                                                                                                                   |
| 318 | 219_2025    | Rina Sedai                         | Determinants of Health-related quality of life among a pregnant women attending OPD for Antenatal checkup at Hospital                                                                                            |
| 319 | 140_2025    | Ram Kumar Shrestha                 | Knowledge and Awareness of Cervical Cancer and Its Screening among women aged 30-60 years                                                                                                                        |
| 320 | 134_2025    | Mahesh Chandra Puri                | Reducing anemia among young preconception women through a group household norm and micronutrient supplementation intervention in three selected districts of Nepal: a two-arms cluster randomized control trial' |
| 321 | 74_2025     | Swastika Shrestha                  | Experiences of pregnancy and early motherhood in young women living with Epilepsy in Nepal.                                                                                                                      |
| 322 | 62_2025     | Pramila Rai<br>Rachelle Buchbinder | The Burden of Maternal and Neonatal Disorders in Nepal from 1990 to 2019: An Analysis of Data from the Global Burden of Disease Study                                                                            |
| 323 | 50_2025     | Jiban Kumar Karki                  | Assessment of Maternal and Child Health Practices, Nutritional Status, and the Knowledge and Attitudes of FCHVs and Traditional Healers in Bajura District                                                       |

| S.N | Protocol ID | Principal Investigator              | Maternal Health                                                                                                                                                                                       |
|-----|-------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 324 | 49_2025     | Jiban Kumar Karki                   | Status of Maternal and Child Health and Assessment of Patient Satisfaction in Mugu District                                                                                                           |
| 325 | 38_2025     | Bibek Lamichhane<br>Allison Judkins | Analysis of Peripartum Care Delivery System in Rural Communities of Nuwakot District in Nepal                                                                                                         |
| 326 | 35_2025     | Jaya Rijal                          | Body Image Experiences of Nepalese Mothers with Postpartum Depression Attending Immunization Center of AMDA Hospital in Damak, Nepal                                                                  |
| 327 | 26_2025     | Unisha Shrestha                     | Effectiveness of Simulation Based Quality Improvement Initiatives in Maternal and Newborn Care: An Implementation Study at Selected Health Facilities in Lumbini and Sudurpaschim Provinces of Nepal. |
| 328 | 705_2024    | Bibek Lamichhane<br>Allison Judkins | Anaemia Screening Program to Pregnant mothers, Womens of Reproductive age group and Under 5 childrens at selected Municipalities of Humla, Nuwakot and Sunsari Districts.                             |
| 329 | 667_2024    | Bijay Ojha                          | Out of pocket expenditure for institutional delivery in Gandaki province hospitals providing free maternal health services.                                                                           |
| 330 | 657_2024    | Seema Sharma                        | Retrospectives Multicenter Evaluation of the ROUSG program's Impact on Antenatal Care in Nepal                                                                                                        |
| 331 | 656_2024    | Jay Prakash Thakur                  | Routine evaluation of hemoglobin levels following a cesarean section, is it essential? a retrospective study.                                                                                         |
| 332 | 651_2024    | Sujan Karki                         | Socioeconomic Inequalities in Utilization of Continuum of Care for Maternal Healthcare Services in Nepal: Focusing on Caste and Wealth                                                                |
| 333 | 628_2024    | Nashna Maharjan                     | Effectiveness of Care Companion Program (CCP) intervention in three hospitals of Nepal                                                                                                                |
| 334 | 623_2024    | Dikshya Sharma                      | A Study on Effectiveness and Implementation of the WHO Thinking Healthy Program Integrated into Routine Perinatal Care delivered by Community Health Workers in Dolakha, Nepal                        |
| 335 | 607_2024    | Sulochana Manandhar                 | Prevalence and microbiological epidemiology of Group B streptococci and other opportunistic pathogens among mothers and neonates in Nepal: A prospective cross-sectional study                        |
| 336 | 601_2024    | Shuvechchha Shrestha                | Dewa<br>A review of the impact of Obstetric Fistula orientation on planned obstetric care choices by members of mother's groups and community groups.                                                 |

| S.N | Protocol ID | Principal Investigator          | Maternal Health                                                                                                                                                                                                                  |
|-----|-------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 337 | 602_2024    | Bimala Parajuli                 | Satisfaction and Self-confidence on Simulation-based Education among Bachelor of Midwifery Students of selected colleges                                                                                                         |
| 338 | 572_2024    | Shashi Panday                   | Factor affecting induced abortion women attending clinic at Kathmandu                                                                                                                                                            |
| 339 | 566_2024    | Shristi Rawal                   | Developing and testing a game-based mobile app to prevent excessive gestational weight gain (GWG) and limit postpartum weight retention (PPWR) among women who enter pregnancy with overweight and obesity in Dhulikhel Hospital |
| 340 | 545_2024    | Saroja Karki Pande              | Optimizing safe surgical care for mothers and newborns in Koshi Province, Nepal: Assessing changes in maternal and newborn health outcomes and patient safety team processes.                                                    |
| 341 | 542_2024    | Mohammad Kashim Shah            | Improving Quality of Care: A Study to Measure Postoperative Cesarean Section Outcomes in Government Hospitals in Rural Nepal                                                                                                     |
| 342 | 507_2024    | Srijana Mahato                  | A Cross-Sectional study to Assess Knowledge and Practice of Cervical Cancer Screening Among Women at Madhesh Institute of Health Sciences, Janakpurdham                                                                          |
| 343 | 505_2024    | Bimal Banstola                  | Knowledge regarding urinary tract infection among pregnant women in Dhaulagiri Hospital                                                                                                                                          |
| 344 | 473_2024    | Archana Amatya                  | Enhancing Maternal Health Outcomes: An Implementation Research Project on Onsite Midwife/SBA-led Birthing Unit (OMSBU) at Bharatpur Hospital                                                                                     |
| 345 | 452_2024    | Basanti Aryal                   | Investigating the mediating effect of birth satisfaction on the association between antenatal social support and postnatal depression among women visiting selected maternity hospitals in Lumbini Province Nepal.               |
| 346 | 394_2024    | Bhuwan Baral<br>Tamara Mosimann | Child marriage in Nepal: A multi-method study on contributing factors, maternal health implications and reduction strategies                                                                                                     |
| 347 | 386_2024    | Shrijana Joshi                  | Knowledge, Attitudes, and Practices of Maternal and Child Healthcare Among Mothers in Mugu district, Nepal                                                                                                                       |

| S.N | Protocol ID | Principal Investigator | Mental Health and substance abuse                                                                                                            |
|-----|-------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 348 | 372_2025    | Sushmita Ghimire       | Mental Health and Support Needs of Adolescents in Kageshwori Manohara: A Study of Anxiety, Depression, Emotion Regulation, and Coping Skills |

| S.N | Protocol ID | Principal Investigator                      | Mental Health and substance abuse                                                                                                                                                                   |
|-----|-------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 349 | 313_2025    | Rishav Koirala<br>Rebecca Makaju Shrestha   | Comparing the Level of Anxiety and Depression Symptoms Among Women with Gynaecological vs Non-Gynaecological Health Complaints in a Community- Based Tertiary Hospital in Nepal                     |
| 350 | 305_2025    | Sanjeeb Tiwari                              | Association of Mental Well-Being with Burnout, Sleep Quality, and Workplace Harassment, and Assessment of their Coping Mechanisms in Postgraduate Medical Residents in Nepal: A Mixed-Methods Study |
| 351 | 268_2025    | Matrika Prasad Devkota                      | Rapid Assessment of the Implementation Status of the National Mental Health Strategy and Action Plan (2020–2025) in Nepal                                                                           |
| 352 | 253_2025    | Nirajan Sharma                              | Prevalence of Likelihood of Having a Mental Disorder and State of Loneliness Among Young People Aged 15-24 in Kathmandu Valley- a Cross-Sectional Study                                             |
| 353 | 248_2025    | Amit Jha                                    | Culturally attuned milieu therapy for child and adolescent psychiatric patients in Nepal: A focus group study among hospital staff.                                                                 |
| 354 | 229_2025    | Prithvi Narayan Shrestha                    | Cultural adaptation of mental health interventions for Nepali adolescents: piloting qualitative methods                                                                                             |
| 355 | 153_2025    | Sandesh Dhakal<br>Jennifer Lau              | Healing the emotional wounds of illegal child workers through a co-produced arts-based program: a multi-country feasibility study                                                                   |
| 356 | 147_2025    | Shiva Neupane                               | Depression, Anxiety, and Stress Among MBBS and Engineering Entrance Preparation Students                                                                                                            |
| 357 | 137_2025    | Anijuni Rai                                 | Anxiety among pregnant women attending in Mehalkuna Hospital                                                                                                                                        |
| 358 | 128_2025    | Ashish Shrestha                             | Effectiveness of a Newly Designed Model of Psychological Intervention Program in Improving the Resilience in Teenagers of Nepal                                                                     |
| 359 | 132_2025    | Utkarsh Karki                               | A Survey on the practice of Electroconvulsive Therapy (ECT) in Nepal                                                                                                                                |
| 360 | 118_2025    | Amit Baral                                  | Prevalence and Factors associated with Suicidal Ideation and Attempt among Youth Of (15-29) Age Group in Mai Municipality, Ilam                                                                     |
| 361 | 108_2025    | Basanta Dhungana                            | Assessment of Depression and Anxiety in Acute Stroke Patients Admitted in Tertiary Hospital in western Nepal: A Cross-Sectional Study                                                               |
| 362 | 106_2025    | Kelly Rose Clarke<br>Nagendra Prasad Luitel | School-based group interpersonal therapy for adolescents with depression in Nepal: A realist cluster-randomised controlled trial                                                                    |

| S.N | Protocol ID | Principal Investigator                  | Mental Health and substance abuse                                                                                                                            |
|-----|-------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 363 | 98_2025     | Abishkar Thapa                          | Development and piloting of a psychological intervention based on Self-Inquiry to enhance well-being and prevent anxiety and depression in medical students. |
| 364 | 70_2025     | Ashmita Shrestha                        | Evaluation of interRAI Parent/caregiver Assessment Report of Mental Health for Children and Youth (PAMHY) in Nepal.                                          |
| 365 | 66_2025     | Uma Pradhan                             | Implementation and evaluation of the interRAI Self-Reported Assessment for Mental Health for Youth (SAMH-Y) in Nepal                                         |
| 366 | 47_2025     | Simana Thapa Magar                      | Effectiveness Of Trauma Focused Cognitive Behavior Therapy Among Adolescent Sexual Abuse Survivors                                                           |
| 367 | 37_2025     | Asmita Koirala                          | Prevalence and determinants of mental illness and Perceived Role of Nurses on Mental Health promotion among Marginalized Women                               |
| 368 | 13_2025     | Khadananda Regmi                        | Prevalence and Associated Factors of Depression, Anxiety and Stress Among Highschool Students in Suryodaya Municipality Ilam.                                |
| 369 | 708_2024    | Gregory Armstrong<br>Kamal Gautam       | Perceptions and experiences of media professionals and suicide prevention experts in relation to media reporting of suicide-related news in Nepal            |
| 370 | 678_2024    | Samiran Kafle                           | Prevalence and Determinants of Anxiety and Depression among Resident Doctors in Nepal                                                                        |
| 371 | 664_2024    | Jyoti Kumari Jha                        | Psychosocial influences of Male Sexual Offender in committing crime                                                                                          |
| 372 | 644_2024    | Bhumika Rai Rai                         | Factors associated with quality of sleep among undergraduate nursing students of Biratnagar nursing campus                                                   |
| 373 | 626_2024    | Sanskriti Chapagain                     | Multi-centric Assessment of Stress Prevalence, Influential Factors and Adapted Measures among Medical and Health Allied Students in Nepal                    |
| 374 | 615_2024    | Tanuja Kumari Chaudhary                 | Knowledge and Attitude of School Health Nurses towards Children and Adolescents' Mental Health Problems at School Setting in Nepal                           |
| 375 | 609_2024    | Utkarsh Karki                           | Screening of Tics Among School Going Children: A Community Based Study                                                                                       |
| 376 | 610_2024    | Dharmendra Podda                        | Assessment of psychological problems among adolescents in Kshreshwornath Municipality, Dhanusha                                                              |
| 377 | 600_2024    | Kamal Gautam<br>Brandon Alan Kidd Kohrt | Determinants of mental health in Jumla, Nepal: a longitudinal mixed-methods study                                                                            |

| S.N | Protocol ID | Principal Investigator                  | Mental Health and substance abuse                                                                                                                                   |
|-----|-------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 378 | 583_2024    | Liladhar Dhakal                         | Culturally Responsive, Outcome-driven, School-based Solutions for Mental Health Intervention and Nurturing Development: Coproduction and feasibility study in Nepal |
| 379 | 564_2024    | Bhim Maya Yakha                         | Prevalence of Dementia among Older People Residing at Mahalaxmi Municipality Ward no: 4, Lalitpur                                                                   |
| 380 | 553_2024    | Subas Risal                             | Formative Research on Child Trafficking in Nepal                                                                                                                    |
| 381 | 539_2024    | Nagendra Luitel<br>Kelly Rose Clarke    | Developing and piloting a novel tool to test for associations between school climate and adolescent student mental health in Chitwan, Nepal                         |
| 382 | 535_2024    | Sanjita Regmi                           | Stigma and Psychological Well-being among Caregivers of Children with Autism in Nepal                                                                               |
| 383 | 533_2024    | Shradha Gadtaula                        | Parenting Experiences and Marital Satisfaction among the Parents of Children with and without Autism in Nepal                                                       |
| 384 | 527_2024    | Kishan Ghimire                          | Level of Coping Skills among Psychology and Non-Psychology Students in Colleges of Kathmandu Metropolitan City                                                      |
| 385 | 518_2024    | Poonam Kumari Yadav                     | Association between Mental Health and smartphone use among Nursing students in Madhesh Province: A Cross-Sectional Study                                            |
| 386 | 490_2024    | Dipendra Khadka                         | Evaluation of Health Management Policies for Strengthening Mental Health Services and Promoting Mental Well-being in Nepal                                          |
| 387 | 496_2024    | Rika Rijal                              | Study of socio-demographic profile of patient treated with ECT in tertiary hospital                                                                                 |
| 388 | 492_2024    | Lila K Chamlagai                        | Assessing Mental Health and Psychosocial Well-being among Bhutanese Refugees and Outpatients in Nepal: A Cross-sectional Study                                      |
| 389 | 480_2024    | Kamal Gautam<br>Brandon Alan Kidd Kohrt | Development and piloting of a mental health service user quality assessment tool (EQUIP-SU) for improving primary mental health care in Nepal                       |
| 390 | 477_2024    | Dipendra Kumar Yadav                    | Assess the Effectiveness of School-Based Suicide Prevention Strategy on Suicidal Ideation and Suicide Risk Behaviors among Adolescents                              |
| 391 | 466_2024    | Parikshit Prasai                        | Prevalence of Suicidal Ideation Among Undergraduate MBBS Students of Medical Colleges of Nepal: A Descriptive Cross-sectional Study.                                |
| 392 | 450_2024    | Subash Thapa                            | Adverse childhood experiences and their association with mental disorders among persons aged 16–30 years in Nepal                                                   |

| S.N | Protocol ID | Principal Investigator             | Mental Health and substance abuse                                                                                                                                                                                                                  |
|-----|-------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 393 | 438_2024    | Samridha S. J. B. Rana             | Exploring eco-emotions and associations with mental health outcomes in young adults in Nepal and India                                                                                                                                             |
| 394 | 430_2024    | Pashupati Mahat                    | Study of acceptability, appropriateness, adoption, feasibility, fidelity, cost, penetration and sustainability of community based mental health and psychosocial support interventions of primary health care system for Conflict Victims in Nepal |
| 395 | 428_2024    | Puja Gartaula                      | Puja Gartaula                                                                                                                                                                                                                                      |
| 396 | 421_2024    | Kaushal Pokhrel                    | Prevalence of burnout among Nepalese ophthalmologists and ophthalmic residents                                                                                                                                                                     |
| 397 | 420_2024    | Sandeepa Karki                     | Effectiveness of "Youth for Tobacco Control" program among School Going Adolescents in Budhanilkantha Municipality.                                                                                                                                |
| 398 | 402_2024    | Matrika Sharma                     | Assessing Unmet Mental Health, KAP & Psychosocial Support Needs of LGBTQI+ Children and Youth in Nepal": Cross-sectional research                                                                                                                  |
| 399 | 384_2024    | Ashley Hagaman<br>Archana Shrestha | Pilot testing of Youth focused, Peer delivered, and Family engaged Suicide Prevention Package (YPF-SuPP) in Makwanpur, Nepal                                                                                                                       |
| 400 | 383_2024    | Ashta Dahal                        | A qualitative study to explore the impact of pregnancy loss on the mental health status of child bearing population of Kathmandu valley, Nepal.                                                                                                    |

| S.N | Protocol ID | Principal Investigator           | Mountain and Medicine (High Altitude)                                                                                                                        |
|-----|-------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 401 | 282_2025    | Umakanta Tiwari                  | Morbidity Profile among residents of Hard-to-Reach Hilly Regions of Nepal accessing hospital-based healthcare service                                        |
| 402 | 554_2024    | Kyle Pattinson<br>Santosh Baniya | Virtual Reality Cycling at High Altitude. An investigation in International Trekkers to understand the symptoms of high altitude                             |
| 403 | 378_2024    | Remco Berendsen<br>Suvash Dawadi | Knowledge among mountaineers of the essential learning objectives of altitude medicine defined by the STAK 2022 (STrengthening Altitude Knowledge) consensus |

| S.N | Protocol ID | Principal Investigator | Neonatal and Child Health                                                                                                                            |
|-----|-------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 404 | 375_2025    | Nipun Shrestha         | Distribution and Antimicrobial Susceptibility of Bacteria Isolated from Active Environmental Surveillance of NICU and Nursery; a single center study |
| 405 | 364_2025    | Sushmita K.C.          | Exploring Problem-Solving Skills and Influential Factors in Early Childhood within the Nepalese Context                                              |

| S.N | Protocol ID | Principal Investigator                           | Neonatal and Child Health                                                                                                                                                                           |
|-----|-------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 406 | 309_2025    | Mala Rijal                                       | Knowledge, Attitude and Practice Regarding newborn care among Postnatal mother in a tertiary care Hospital of Madhesh Pradesh                                                                       |
| 407 | 300_2025    | Sabin Sharma Duwadi                              | Development and Standardization of a Screening and Diagnostic Test Battery for Phonological Skills in Native Nepali Speaking Children                                                               |
| 408 | 286_2025    | Shobha Maharjan                                  | Clinical Characteristics of Neonates Admitted with Meningitis: A Hospital Based Retrospective Study                                                                                                 |
| 409 | 250_2025    | Sushmita Mishra                                  | Developmental assessment of children under 5years of age with uncomplicated severe acute malnutrition                                                                                               |
| 410 | 235_2025    | Sunita Sharma<br>Ok Kyung Kim                    | Effects of personal hygiene education on hand washing and teeth brushing knowledge, attitude, and performance of elementary school students in Nepa                                                 |
| 411 | 213_2025    | Kalpana Upadhyia Subedi<br>Sudhin Sudhan Thayyil | Erythropoietin Monotherapy in Neonatal Encephalopathy in Low and Middle-Income Countries                                                                                                            |
| 412 | 210_2025    | Love Kumar Sah<br>Sudhin Sudhan Thayyil          | Erythropoietin Monotherapy in Neonatal Encephalopathy in Low and Middle-Income Countries                                                                                                            |
| 413 | 203_2025    | Smarika Shrestha                                 | Home-rearing Environment and its role in Early Childhood Cognitive and Motor Development: A Longitudinal perspective from Nepalese Children                                                         |
| 414 | 183_2025    | Suraj Bhattarai                                  | Bacterial and viral Co-infection in Respiratory Syncytial Virus (RSV) associated acute respiratory infection in children: A cross-sectional epidemiological study in a tertiary paediatric hospital |
| 415 | 139_2025    | Damber Khadka                                    | Prevalence of Intestinal Parasitic Infestations Among School Going Children of Shree Krishna Sanskrit Tatha Sadharan Madhaymik Vidhyalaya, Surkhet                                                  |
| 416 | 130_2025    | Srijana Dongal                                   | INSPIRED - NEPAL: Increasing Neonatal Survival Program Incorporating Reinforced Education & Distance-learning                                                                                       |
| 417 | 124_2025    | Emily Elizabeth Treleaven<br>Dirgha Jibi Ghimire | Intergenerational disadvantage and pediatric health disparities in acute respiratory illness and diarrhea in the Chitwan Valley Family Study                                                        |
| 418 | 94_2025     | Balwinder Singh Chawla                           | Comprehensive Evaluation of Enablers and Challenges in the Implementation of IPV Vaccination in Seven Provinces of Nepal                                                                            |
| 419 | 85_2025     | Kiran Sharma                                     | Irrational Use of Antibiotics in the Pediatric Population from Local Clinics in Western Nepal                                                                                                       |

| S.N | Protocol ID | Principal Investigator               | Neonatal and Child Health                                                                                                                                         |
|-----|-------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 420 | 69_2025     | Lila Bikarm Thapa                    | National Prevalence Survey of Soil Transmitted Helminths in Nepal                                                                                                 |
| 421 | 5_2025      | Rolina Dhital                        | Supervision of Female Community Health Volunteers for Improving Infant and Young Child Nutrition                                                                  |
| 422 | 663_2024    | Shrijana Shrestha                    | Childhood pneumococcal pneumonia in Nepal: novel immunodiagnostic methods and transcriptomic investigation of aetiology                                           |
| 423 | 665_2024    | Laxmi Dahal                          | Determinants of Malnutrition among Under-Five Children in Biratnagar; Hospital Based Case Control Study                                                           |
| 424 | 648_2024    | Sajal Twanabasu                      | A quality improvement initiative to improve pain management in a special newborn care unit with a special focus on infant and family centered developmental care  |
| 425 | 604_2024    | Sonali Sah                           | Newborn Screening for Congenital Hypothyroidism using Umbilical Cord Blood at Madhesh Institute of Health Sciences                                                |
| 426 | 595_2024    | Mandeep Pathak                       | Enhancing Pediatric Emergency Care in Rural Nepal: A Retrospective Study of Referral Patterns and Barriers at Bayalpata Hospital                                  |
| 427 | 587_2024    | Sandeep Thapa                        | Assessing Antimicrobial Prescribing Trends in Pediatric Patients Admitted to the Medicine Ward of a Tertiary Care Hospital                                        |
| 428 | 599_2024    | Geeta Shah                           | Knowledge and Practice of Complementary Feeding among Mothers of the Child Aged Group 6-24 Months in Lalitpur Metropolitan City                                   |
| 429 | 573_2024    | Nira Joshi                           | Post Campaign Coverage Survey (PCCS) of Measles-Rubella (MR) Vaccination Campaign 2024 in Nepal                                                                   |
| 430 | 548_2024    | Sailesh Kumar Mishra<br>Aeesha Malik | Evaluating a deep learning algorithm in the diagnosis of retinopathy of prematurity in Nepal and a prediction model for development of ROP                        |
| 431 | 544_2024    | Suraj Bhattarai                      | Evaluation of diagnostic benefit and feasibility of using lung ultrasound to diagnose childhood pneumonia in low-resource settings: A mixed method study in Nepal |
| 432 | 411_2024    | Darlene Rose House<br>Sameera Thapa  | A feasibility study to evaluate the performance of Caption Health Pediatric Lung Ultrasound Guidance and Interpretation in Nepal                                  |

| S.N | Protocol ID | Principal Investigator | Non-communicable diseases                                                                                                                                              |
|-----|-------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 433 | 453_2025    | Pranjal Rokaya         | Diagnostic and Treatment Strategies for Choledocholithiasis: A Survey of Nepalese Surgeons                                                                             |
| 434 | 420_2025    | Anusa Parajuli Aryal   | Association between accumulated NCD risk factors and self-reported non-fatal injuries in Nepal: A secondary analysis of STEPS survey 2019                              |
| 435 | 400_2025    | Nooma Sharma           | Assessment of Nurses' Knowledge Regarding Early Mobilization of Stroke Patients in Kathmandu: A Cross-sectional Study                                                  |
| 436 | 397_2025    | Sunil Kumar Das        | Clinical profile of patient with hypertension attending rural hospital in Nepal: A cross-sectional study.                                                              |
| 437 | 396_2025    | Abhishek Man Shrestha  | Assessment Of Stroke Risk Factors and Their Clinical Implications in Stroke Patients Admitted to A Tertiary Care Hospital                                              |
| 438 | 373_2025    | Rudra Narayan Shah     | Collapse ratio and cranioplasty timing: key predictors of postoperative outcomes.                                                                                      |
| 439 | 369_2025    | Bhawana Regmi          | Effectiveness of Nurse-led telehealth intervention for hypertension control in Nepal                                                                                   |
| 440 | 359_2025    | Khechar Nath Paudel    | Stroke awareness and Primary Prevention through community engagement using e-Health – (SPACE PROJECT)                                                                  |
| 441 | 356_2025    | Lekhjunga Thapa        | Assessment of stroke awareness among Indigenous Nepalese using the NNC-SKAT Tool: A comparative study with Non-Indigenous Population                                   |
| 442 | 351_2025    | Samira Rajbhandari     | Endoscopic Type I Tympanoplasty in Children: Anatomical and Functional Outcomes                                                                                        |
| 443 | 345_2025    | Prajwal Pyakurel       | Tobacco Use Among School Students in Nepal: Patterns, Determinants and Strategies for Prevention.                                                                      |
| 444 | 343_2025    | Chahana Bogati         | “Trend in Demographics of Kidney Donors and their Relationship to Recipients over the Past 12 Years in Nepal.”                                                         |
| 445 | 338_2025    | Sumeet Karna           | Predicting Stone Composition in Mixed Calculi: A CT-Hounsfield Unit Based Model Validated by FT-IR Spectroscopy                                                        |
| 446 | 328_2025    | Bishna Khatri          | Clinical Profile and Presenting Complaints of Hospitalized Type 2 Diabetes Mellitus Patients: A Retrospective Analysis in a Tertiary care hospital in Madhesh province |
| 447 | 321_2025    | Khim Bahadur Khadka    | Strengthening Integrated Care for Non-Communicable Diseases and Mental Health Among Adults Aged 40+ in Gandaki Province: An Implementation Study                       |

| S.N | Protocol ID | Principal Investigator   | Non-communicable diseases                                                                                                                                                                                                                          |
|-----|-------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 448 | 314_2025    | Sweta Koirala            | Shaping stroke care in Nepal: patient and stakeholder perspectives on climate change and non-communicable diseases                                                                                                                                 |
| 449 | 310_2025    | Sanjib Kumar Sharma      | Senior Community Health Volunteers (SCHVs) for Education and Advocacy on Reducing NCD burden (CLEAR NCD): A qualitative study to assess the feasibility of employing older community health volunteers in noncommunicable disease control programs |
| 450 | 298_2025    | Satyam Prakash           | Prevalence of Hyperuricemia in Type 2 Diabetes Mellitus Patients attending Medicine OPD at Janaki Medical College Teaching Hospital, Ramdaiya                                                                                                      |
| 451 | 294_2025    | Basant Adhikari          | The Causal Relationship Model of Factors Associated with Economic Burden of Households with Cardiovascular Disease Patient and the Mediating Effect of Health Service Utilization in Nepal                                                         |
| 452 | 292_2025    | Sumeet Karna             | Burden of Antibiotic Resistance in Urinary Isolates: A Retrospective Study from a Tertiary Center in Far-Western Nepal                                                                                                                             |
| 453 | 290_2025    | Sumit Acharya            | Pregnancy and Fetal Outcomes after Kidney Donation: The specialized Transplant Center Experience, Nepal.                                                                                                                                           |
| 454 | 284_2025    | Natalia Oli<br>Rubee Dev | Women's Heart Health in Nepal: Missed Opportunities and Paths Forward                                                                                                                                                                              |
| 455 | 269_2025    | Subash Wagle             | Out of Pocket Cost and Psychological Distress Among Caregivers of Cancer Patients at Selected Tertiary Cancer Treatment Centers In Nepal                                                                                                           |
| 456 | 265_2025    | Anil Shrestha            | Correlation of CT IVU and intraoperative pyelography measurements of lower pole anatomy and its prediction of the success in accessing lower pole during flexible ureteroscopy                                                                     |
| 457 | 243_2025    | Lushan Singh             | Comparison between Pre and Post Renal Function of Kidney Donors: A prospective study at specialized Transplant Center, Nepal.                                                                                                                      |
| 458 | 239_2025    | Jenny Ojha<br>Eunjin Lee | Effect of Addiction Prevention on Knowledge and Attitudes of Adolescents in Pokhara of Nepal.                                                                                                                                                      |
| 459 | 238_2025    | Bibash Rana              | School Based Adolescents' Weight Management Student-Parent-Teacher Nexus Intervention at Reupandehi District                                                                                                                                       |
| 460 | 227_2025    | Jenny Ojha<br>Eunjin Lee | Mental Health Status among Adolescents in Selected Districts of Gandaki Province, Nepal                                                                                                                                                            |
| 461 | 225_2025    | Kalpana Kumari Shrestha  | "Comparison of Quality of Life in Patients Undergoing Twice-Weekly vs Thrice-Weekly Hemodialysis at SDNTC"                                                                                                                                         |

| S.N | Protocol ID | Principal Investigator | Non-communicable diseases                                                                                                                                                                                                     |
|-----|-------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 462 | 223_2025    | Sandip Pandey          | Correlation of Blood Pressure with Anthropometric Parameters in Adults: A Cross-Sectional Study in a Province Hospital Damauli, Nepal.                                                                                        |
| 463 | 217_2025    | Sumeet Karna           | Comparing Peri-operative Outcome Between Monopolar and Bipolar Transurethral Resection of Prostate: A Retrospective Cohort Study                                                                                              |
| 464 | 214_2025    | Sumeet Karna           | Efficacy and Safety of Super-Mini Percutaneous Nephrolithotomy using a Combination of Suction Sheath and Pneumatic Lithotripsy: The Dhangadhi Experience                                                                      |
| 465 | 207_2025    | Milan Maharjan         | Ethnic Disparities and Chronic Otitis Media in School-aged Nepalese Children                                                                                                                                                  |
| 466 | 200_2025    | Asish Subedi           | Prevention of persistent pain with Lidocaine infusions in breast cancer surgery                                                                                                                                               |
| 467 | 188_2025    | Birendra Babu Yadav    | Health in all policies approach for prevention and control of NCD: A policy level study in Nepal                                                                                                                              |
| 468 | 181_2025    | Arjun Neupane          | Epidemiological study on Non-Communicable Diseases in Rural Dhading: Prevalence and Determinants                                                                                                                              |
| 469 | 175_2025    | Birendra Kumar Yadav   | Initial Experience with Stereotactic Body Radiotherapy for Localized Prostate Cancer at a Comprehensive Cancer Center in Nepal: A Retrospective Study                                                                         |
| 470 | 168_2025    | Birendra Kumar Yadav   | Treatment Response to Low-Dose Nivolumab in Cancer Patients: A Retrospective Study at a Tertiary Cancer Hospital in Nepal                                                                                                     |
| 471 | 161_2025    | Kushal Rizal           | Epidemiological and Molecular Characterization of Breast Cancer Patients: A Retrospective Study at a Tertiary Care Hospital in Nepal                                                                                          |
| 472 | 160_2025    | Rabina Dhakal          | Understanding the financial burden of diabetes management in Nepalese households                                                                                                                                              |
| 473 | 152_2025    | Sandeepa Karki         | Effectiveness of Edutainment-Based Interventions in Increasing Knowledge of Rheumatic Fever and Rheumatic Heart Disease Among School-Going Children in Nepal: Colors to Save Hearts Quasi-Experimental Pretest-Posttest study |
| 474 | 141_2025    | Abhishek Man Shrestha  | Prevalence of Hypothyroidism in patients presenting with Carpal Tunnel Syndrome (CTS)                                                                                                                                         |
| 475 | 138_2025    | Avinas Rai             | Assessment of plantar pressure distribution in diabetic and healthy individuals using the OHM 3000 system                                                                                                                     |
| 476 | 131_2025    | Archana Nepal          | Impact of diabetes educator in the management of diabetes in children, adolescent and young adults: A multicentric study in Nepal                                                                                             |

| S.N | Protocol ID | Principal Investigator  | Non-communicable diseases                                                                                                                         |
|-----|-------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 477 | 127_2025    | Deepak Regmi            | Effectiveness of Kantha Jyoti Meditation Technique (KMT) in Thyroid Function and Well-being in Patients with Hypothyroidism                       |
| 478 | 126_2025    | Anil Shrestha           | Comparison of stent related symptoms between Regular Double J stent and Comfi J stent: A Randomized Controlled Study                              |
| 479 | 112_2025    | Sujata Sapkota          | Community pharmacy-based hypertension control intervention in Kathmandu: a pilot implementation study                                             |
| 480 | 111_2025    | Ranjit Kumar Das        | Evaluation of case Management of T2DM using Therapeutic wheel of Research Society for the Study of Diabetes in India, at Dharan, Nepal            |
| 481 | 110_2025    | Jyoti Kayastha          | Awareness of Cervical Cancer among Reproductive aged women of Tokha-3 Municipality                                                                |
| 482 | 91_2025     | Piyush Giri             | Management of Pressure Sore at tertiary care center in Western Nepal: Retrospective cross-sectional study                                         |
| 483 | 73_2025     | Barsha Suwal            | Adherence to diabetic eye treatment among Nepalese diabetic retinopathy patients requiring intervention: A single center hospital based analysis  |
| 484 | 67_2025     | Anuka Limbu Neupane     | Mental Health Literacy among mothers of secondary level students                                                                                  |
| 485 | 57_2025     | Kalpana Kumari Shrestha | Etiological Profile of End Stage Renal Disease patients undergoing maintenance hemodialysis: A Single-Center Cross-sectional Hospital Based Study |
| 486 | 48_2025     | Subodh Kumar Upadhyaya  | Stage specific analysis of urinary exosomal biomarkers: miR-155 and MMP-1/CD63 in Breast Cancer                                                   |
| 487 | 39_2025     | Birkha Bahadur Bist     | Knowledge, Attitudes, and Practices About Sickie Cell Anemia in the Tharu Communities of Kailali District, Nepal                                  |
| 488 | 28_2025     | Bikash Devkota          | Prevalence of selected Non-Communicable Diseases among children and adolescents in Nepal: A cross-sectional pilot study                           |
| 489 | 24_2025     | Anuj Jung Karki         | Comprehensive Analysis of Frozen Shoulder Management: A Four-Year Clinical Data Review                                                            |
| 490 | 18_2025     | Sanjib Kumar Sharma     | Low INR to Minimize bleeding with mechanical valves Trial (LIMIT)                                                                                 |
| 491 | 717_2024    | Eli Pradhan             | Study of Extended Depth of Focus (EDOF) Intraocular lens implantation and its outcome at Tilganga Institute of Ophthalmology                      |
| 492 | 716_2024    | Ram Krishna Sawat       | Mental health literacy among Christian religious leaders in Kathmandu Valley                                                                      |

| S.N | Protocol ID | Principal Investigator                        | Non-communicable diseases                                                                                                                                                            |
|-----|-------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 493 | 706_2024    | Asmita Rayamajhi                              | Community-Based Cervical Cancer Screening Using VIA and Pap Smear in Female Population of Eastern Nepal                                                                              |
| 494 | 704_2024    | Subarna Giri                                  | Treatment related adherence of end stage renal disease patients undergoing hemodialysis: a cross-sectional study                                                                     |
| 495 | 695_2024    | Raksha Ghimire                                | Psychological Wellbeing of Cancer Patients And Its Associated Factors With a Quality of Life                                                                                         |
| 496 | 683_2024    | Jyoti Bhattarai                               | Clinico-Epidemiological Profile of Early Onset Diabetes: A Descriptive Cross-Sectional Study                                                                                         |
| 497 | 689_2024    | Sweta Koirala<br>Kristina Margareta Jakobsson | Socioeconomic and Health Study of Migrant Workers Impacted by Chronic Kidney Disease                                                                                                 |
| 498 | 677_2024    | Manju Gyawali                                 | Knowledge, Awareness, and Perceptions Among Cancer Patients About Cancer Rehabilitation in Nepal: A Multi-Institutional Survey                                                       |
| 499 | 653_2024    | Anusmriti Pal                                 | Altitude and Non-Communicable Diseases: Investigating Prevalence and Risk in Diverse Elevations                                                                                      |
| 500 | 650_2024    | Rishi Ram Poudel                              | Financial toxicity in sarcoma patients and survivors in Nepal: A Mixed Method Multicenter Study                                                                                      |
| 501 | 643_2024    | Sushma Khadka                                 | Prevalence of Vitamin D in Diabetes and non-Diabetes patients in Bhaktapur Hospital                                                                                                  |
| 502 | 640_2024    | Sushil Chandra Baral<br>Joanna Morrison       | Participatory Engagement for City Communities Against Non-Communicable Disease Risk in Nepal                                                                                         |
| 503 | 629_2024    | Merina Pandey                                 | The Mental Health Impact of Hypothyroidism: Assessing Depression and Anxiety in a Rural Nepal Population (Chatrakot Municipality)                                                    |
| 504 | 625_2024    | Rajendra Maharjan                             | A study on thyroid dysfunction among individuals visiting a clinic in Lalitpur, Nepal                                                                                                |
| 505 | 621_2024    | Pramita Shrestha                              | Risk Factors for End-Stage Renal Disease: A Case-Control Study, and Cost-Effective Policy Interventions for Chronic Kidney Disease in Nepal: An Extended Cost-Effectiveness Analysis |
| 506 | 616_2024    | Bipin Koirala                                 | Assessment of Modifiable Behavioral Risk Factors Among Hypertensive Patients in Syangja District Nepal                                                                               |
| 507 | 594_2024    | Pooja Koirala                                 | Assessment of Patient Adherence to Continuous Ambulatory Peritoneal Dialysis Procedure Among Inpatients Undergoing Peritoneal Dialysis                                               |
| 508 | 588_2024    | Roman Shrestha<br>Sabitri Sapkota             | Designing a just-in-time adaptive intervention mobile app for suicide prevention among gay, bisexual and other men who have sex with men in Nepal                                    |

| S.N | Protocol ID | Principal Investigator                              | Non-communicable diseases                                                                                                                                                                                                                               |
|-----|-------------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 509 | 589_2024    | Buddhi Prasad Paudyal                               | The EULAR/ACR classification criteria for systemic lupus erythematosus: a validation study of an APLAR cohort of patients.                                                                                                                              |
| 510 | 598_2024    | Kjersti Mørkrid Blom-Bakke<br>Biraj Man Karmacharya | Implementing a life course approach in antenatal and postnatal care settings for prevention and reduction of non-communicable disease risks in Nepal (IpreventNCD)- An implementation research study protocol for the exploration and preparation phase |
| 511 | 577_2024    | Rashmi Maharjan                                     | Exploring psychosocial determinants of incident hypertension and hypertension management in underserved communities of the USA and Nepal                                                                                                                |
| 512 | 571_2024    | Krishna Deo Das                                     | A Retrospective Analysis of Suicidal Death due to Hanging at a Tertiary Hospital of Madhesh Province                                                                                                                                                    |
| 513 | 558_2024    | Khechar Nath Paudel                                 | Evaluating knowledge, risk factors and best intended response to a possible acute event of acute stroke in Karnali: a hospital based cross sectional study in Karnali Province Hospital                                                                 |
| 514 | 557_2024    | Prakash Gyawali                                     | Age-Related Variations in Volar Cortical Angle of the Distal Radius in Patients Visiting a Tertiary Hospital of Nepal: A Descriptive Cross-Sectional Study                                                                                              |
| 515 | 546_2024    | Prabha Paudel                                       | Vitamin D deficiency and its association with various body pain and degenerative bone disease                                                                                                                                                           |
| 516 | 541_2024    | Namuna Shrestha                                     | Self-management of type 2 diabetes using a co-designed text based mobile health (mhealth) intervention in Nepal: a randomized controlled trial                                                                                                          |
| 517 | 517_2024    | Dinesh Neupane                                      | Scaling up Community based Non communicable Disease Research into Practice in Pokhara Metropolitan City of Nepal (SCALE-NCD)                                                                                                                            |
| 518 | 516_2024    | Om Prakash Kurmi                                    | Nepal Family Cohort Study                                                                                                                                                                                                                               |
| 519 | 509_2024    | Sudip Shrestha<br>Sudip Thapa                       | Evaluating the safety and efficacy of cremophor-free nanoparticle paclitaxel vs. conventional paclitaxel in Nepalese cancer patients- prospective observational study                                                                                   |
| 520 | 508_2024    | Sanchita Subedi                                     | Prevalence and Predictors of Glycemic Control among Diabetic Patients in Lalitpur: A Hospital based Cross-sectional Study                                                                                                                               |
| 521 | 501_2024    | Sabitri Sapkota<br>Bibhav Acharya                   | A pilot study on Adapting Evidence-Based Behavioral Interventions for People with Cognitive Impairment and Dementia to Address Non-Communicable Diseases and Common Mental Health Conditions in Nepal                                                   |

| S.N | Protocol ID | Principal Investigator                            | Non-communicable diseases                                                                                                                        |
|-----|-------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 522 | 494_2024    | Sweta Koirala                                     | Exploring Patient Perspectives on Cervical Cancer Screening: A Mixed Method Study conducted in Bharatpur, Nepal                                  |
| 523 | 484_2024    | Archana Shrestha<br>Neha Limaye                   | Group-Care for Hypertension and Diabetes Management in Nepal: Stakeholder Engagement and Co-Design of Group Care Model                           |
| 524 | 487_2024    | Dharmendra Sapkota                                | Quality of Life of Patients Undergoing Hemodialysis in Madhyabindu District Hospital: Assessment and Improvement Strategies                      |
| 525 | 470_2024    | Sweta Koirala                                     | Assessing the familial burden of care and social cost of CKD on Nepali laborers returned from abroad: A Qualitative Study                        |
| 526 | 456_2024    | Joshan Lal Bajracharya                            | Study of chronic pain in adults under opioid agonist therapy in a tertiary hospital in Eastern Nepal: a cross-sectional study                    |
| 527 | 440_2024    | Biraj Man Karmacharya<br>Michael Ernest John Lean | Co-DiRECT Nepal: a community-based diet programme for remission of type 2 diabetes and amelioration of non-communicable disease risks            |
| 528 | 437_2024    | Abha Shrestha                                     | A pilot trial of a community-and primary care-based intervention linked with mobile technology for hypertension control in Nepal (CoPILOT trial) |
| 529 | 425_2024    | Purnima Rajkarnikar<br>Ido Fabian                 | Global Retinoblastoma Presentation (2024) and Outcome (2027) Studies                                                                             |
| 530 | 396_2024    | Lushan Singh                                      | Spectrum of Glomerular Disease on Kidney Biopsy: A Single Center Study in Nepal.                                                                 |
| 531 | 387_2024    | Hardika Shrestha                                  | Depression and Dependency among Stroke Patients and Strain on their Caregivers in rehabilitation centers in Kathmandu                            |

| S.N | Protocol ID | Principal Investigator | Nutrition and Food safety                                                                                                                                                                               |
|-----|-------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 532 | 391_2025    | Manish Gautam          | Transitioning from Iron and Folic Acid Supplementation to Multiple Micronutrient Supplementation: A Qualitative Desk Review of Monitoring Systems to Inform Nepal's Nutrition Routine Monitoring System |
| 533 | 377_2025    | Kritisha Poudel        | Nutritional knowledge and eating habits among college students of itahari sub- metropolitan city.                                                                                                       |
| 534 | 374_2025    | Prechhya Karki         | Assessment of Dietary Diversity and its Association with Nutritional Status Among Adolescent in Itahari Sub-metropolitan City.                                                                          |
| 535 | 340_2025    | Madhab Thapaliya       | Prevalence and associated factors of lactose intolerance among adults in Kathmandu valley                                                                                                               |

| S.N | Protocol ID | Principal Investigator                  | Nutrition and Food safety                                                                                                                                                                                       |
|-----|-------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 536 | 293_2025    | Pramod Koirala                          | A School-Based Intervention Using the Health Belief Model for Anemia Prevention Among Adolescent Girls in Lalitpur, Nepal                                                                                       |
| 537 | 281_2025    | Nisha Sharma                            | Stakeholder perceptions towards policy opportunities to reduce exposure and consumption of unhealthy packaged foods for older infants and young children.                                                       |
| 538 | 178_2025    | Ranjan Raj Bhatta                       | Joint Surveillance of Extended-Spectrum Beta-Lactamases-Producing Escherichia coli in Humans, Food-Producing Animals, and the Environment in Nepal                                                              |
| 539 | 150_2025    | Kshitij Karki                           | Probiotic-Based Diet Patterns and their Correlation with Antimicrobial Resistance Profiles among Adults in selected colleges of Kathmandu Valley, Nepal                                                         |
| 540 | 121_2025    | Meghnath Dhimal                         | An Endline Assessment and Acceptability Study of Rice Fortification in Karnali Province, Nepal                                                                                                                  |
| 541 | 119_2025    | Dikypaljum Lama                         | Association Of Lifestyle Patterns with Their Nutritional Status Among Tibetan Buddhist Monks in the Monasteries of Kathmandu.                                                                                   |
| 542 | 116_2025    | Saurav Neupane                          | Impact of Parenting Program on Child Grant (CG) Beneficiaries in Madhesh and Karnali Province of Nepal                                                                                                          |
| 543 | 102_2025    | Seema Khadka                            | Adolescents' exposure to digital marketing of unhealthy foods in Nepal                                                                                                                                          |
| 544 | 76_2025     | Janaki Parajuli                         | A study to determine the nutritional status, quality of life and explore the factors affecting nutritional status among adolescent of Kailali districts of Sudurpaschim Province of Nepal: A mixed method study |
| 545 | 53_2025     | Sujana Basukala                         | Assessment of Dietary Patterns and Nutrient Adequacy of Food Consumed by Children in Sishusyaha of Bhaktapur Municipality                                                                                       |
| 546 | 30_2025     | Bishnu Kumar Adhikari                   | Dietary Intake: Nutritional Status and Academic Achievement of Vegetarian and Non-vegetarian Children                                                                                                           |
| 547 | 7_2025      | Caitlin Ashley Murphy<br>Nirmala Bhatta | The Dietary Patterns Associated with Education Level and Their Effects on the Prevalence of Overweight and Obesity in Adults in Lalitpur, Kathmandu Valley, Nepal                                               |
| 548 | 6_2025      | Raj Nandan Mandal                       | Baseline study of Transforming Lives Through Nutrition Project among caretakers of children under five years old, health workers and FCHVs in four districts of Lumbini province                                |

| S.N | Protocol ID | Principal Investigator | Nutrition and Food safety                                                                                                                                        |
|-----|-------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 549 | 691_2024    | Anupama Paudel         | Association Between Hydration Knowledge, Attitude, Behavior, and Hydration Status of National Level Combat Players in Kathmandu                                  |
| 550 | 641_2024    | Jeeban Ghimire         | Bottleneck analysis of nutrition services within antenatal and postnatal care in Nepal.                                                                          |
| 551 | 579_2024    | Ashish Timalisina      | Formative research on wasting in Lumbini and Madhesh Provinces                                                                                                   |
| 552 | 549_2024    | Krishna Giri           | CHAMP (Child Led Advocacy and Meaningful Participation) Child-led Research on Hunger and Malnutrition in Nepal                                                   |
| 553 | 543_2024    | Ashish Timalisina      | Semi-Quantitative Evaluation of Access and Coverage of Integrated Management of Acute Malnutrition (IMAM) in four districts of Nepal                             |
| 554 | 521_2024    | Ramesh Adhikari        | Baseline Study for POSHAN Program                                                                                                                                |
| 555 | 461_2024    | Mahesh Kumar Maskey    | Corporate Political Activity in Nepal: A Qualitative Analysis of Food Industry Strategies on Nutritional policies                                                |
| 556 | 453_2024    | Ranjan Kapali          | Generating evidence on Moderate wasting                                                                                                                          |
| 557 | 448_2024    | Anamika Dangol         | Knowledge and Practice regarding Nutritional Taboos during Pregnancy among Postnatal mothers.                                                                    |
| 558 | 407_2024    | Raba Thapa             | Skin carotenoid assessment using Veggie Meter as a biomarker for vitamin A deficiency among the school children in Nepal: Dietary education interventional study |

| S.N | Protocol ID | Principal Investigation | Population and Population Dynamics                                                                  |
|-----|-------------|-------------------------|-----------------------------------------------------------------------------------------------------|
| 559 | 270_2025    | Khem Raj Sharma         | A study on the Morbidity, Mortality and Health Status of Kankai Municipality in Eastern Nepal       |
| 560 | 634_2024    | Ghanshyam Gautam        | The Role of the Diaspora in supporting Health System Resilience in Fragile and Shock-prone settings |

| S.N | Protocol ID | Principal Investigation              | Sexual and Reproductive Health                                                                                               |
|-----|-------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 561 | 382_2025    | Prakriti Dhakal                      | Government Initiatives in Comprehensive Sexuality Education (CSE) in Nepal: Policy, Implementation, and Gaps                 |
| 562 | 326_2025    | Nolwenn Bühler<br>Ram Chandra Silwal | The Planetary Boundary of Water and its Implications for Sexual and Reproductive Health: a Study from the Hills of Nepal     |
| 563 | 241_2025    | Shivaji Karki                        | Anemia among pregnant during their first trimester at remote district hospital of Nepal; A descriptive cross-sectional study |
| 564 | 234_2025    | Raju Prajapati                       | Identifying barriers and facilitators for Self-Injecting (SI) DMPA-SC in three districts of Nepal                            |

| S.N | Protocol ID | Principal Investigation    | Sexual and Reproductive Health                                                                                                                                       |
|-----|-------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 565 | 231_2025    | Archana Yadav              | Menstrual Health and Hygiene in Nepal's Terai Region: A Systematic Review                                                                                            |
| 566 | 143_2025    | Bishesh Khanal             | Evaluating Large Language Models' Responses to Sexual and Reproductive Health Queries in Nepali                                                                      |
| 567 | 133_2025    | Mahesh Chandra Puri        | Empowering couples: Needs assessment to develop a couples-centered chatbot to improve fertility planning and contraceptive uptake in Chitwan district of Nepal       |
| 568 | 103_2025    | Sajeena Maharjan           | Factors Associated with HPV DNA Positivity among Women and their Health Status during Follow up after One Year of Treatment in Kathmandu Metropolitan City           |
| 569 | 96_2025     | Sajeena Maharjan           | Uptake of Visual Inspection with Acetic Acid (VIA) Screening and Associated Factors Among Women Attending Basic Health Care Facilities in Chitwan District, Nepal    |
| 570 | 63_2025     | Dipak Prasad Tiwari Tiwari | VIA Screening Uptake After receiving VIA Training by Health Care providers in Bagmati Province                                                                       |
| 571 | 724_2024    | Asmita Khanal              | Factor affecting Unmet need of family planning among married women of Muslim community of kapilvastu Nepal                                                           |
| 572 | 714_2024    | Sarsawati Neupane          | Determinants of Intra uterine Fetal Death among Mothers Delivered in Selected Hospital of Biratnagar, Nepal                                                          |
| 573 | 699_2024    | Rekha Thapliya             | Effectiveness of Structured Educational Programme on Cervical Cancer Screening Practice among Married Women of Pokhara Metropolitan City                             |
| 574 | 682_2024    | Prabhu Raj Poudyal         | PrEP Implementation Research in Nepal: A Qualitative Study                                                                                                           |
| 575 | 674_2024    | Shailes Neupane            | Baseline Survey under the SAFE-Girls Project: A Cross-sectional Study                                                                                                |
| 576 | 652_2024    | Lokesh Prasad Bhatt        | Midterm Evaluation of USAID Adolescent Reproductive Health Project                                                                                                   |
| 577 | 619_2024    | Atit Poudel                | Prospective Clinical Data Collection for Developing Machine Learning-Assisted Obstetric Ultrasound (MOBUS) Screening Algorithms in tertiary care hospitals of Nepal. |
| 578 | 612_2024    | Ram Naresh Yadav           | Assessing the Impact of Traditional Healers' Mobilization on Reducing Menstrual-Related Discrimination and Harmful Socio-Cultural Practices at Bajura District       |

| S.N | Protocol ID | Principal Investigation                             | Sexual and Reproductive Health                                                                                                                       |
|-----|-------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 579 | 606_2024    | Rajib Acharya<br>Madan Raj Bhatt                    | Addressing rights-based family planning in the context of demographic transition in Asia and the Pacific, Eastern Europe and Central Asia region     |
| 580 | 605_2024    | Megha Raj Banjara<br>Jennifer Edwards               | Evaluation of microbial accumulation on washable and reusable sanitary pads among menstruators of Kaski district, Nepal                              |
| 581 | 596_2024    | Suresh Kumar Manandhar                              | Artificial Intelligence Analysis of Liquid Based Cytology Images for Cervical Cancer Screening                                                       |
| 582 | 590_2024    | Bandana Paneru                                      | Implementation and evaluation of Breast and Cervical Cancer Co-screening Strategies (BCCCS) for improving women's cancer outcomes in Nepal           |
| 583 | 552_2024    | Mahesh Chandra Puri                                 | Measuring Lactation Initiation after Early Postpartum Injectable Progestin (DMPA) Use among women in Dhanusha district of Nepal: A Pilot Study       |
| 584 | 551_2024    | Ganesh Dangal<br>Gayathri Kaushalya De<br>Lanerolle | An Exploration of the Physical and Mental Health Impact among Menopausal Women: The MARIE Project                                                    |
| 585 | 478_2024    | Prabha Paudel                                       | Current situation and Affecting factors of Sex-selective abortion in western part of Nepal                                                           |
| 586 | 485_2024    | Sabitra Kaphle                                      | Exploring the Sexual and Reproductive Health (SRH) Needs of Young People in Kavre, Nepal                                                             |
| 587 | 469_2024    | Amy Henderson Riley<br>Romi Gurung                  | Assessing the effectiveness of the Radio Programme Mai Sari Sunakhari                                                                                |
| 588 | 436_2024    | Pabitra Neupane                                     | Gender mainstreaming and Sexual and Reproductive Health and Rights in Nepal: Perspective from youth leaders and local government                     |
| 589 | 434_2024    | Pabitra Neupane                                     | Understanding the Perception of School-Going Adolescents and Teachers on Comprehensive Sexuality Education in Nepalgunj Sub-Metropolitan City, Nepal |
| 590 | 422_2024    | Ramesh Adhikari                                     | Survey among 20-24 Years women on FP/RH Status in Lumbini, Karnali, and Madhesh Provinces                                                            |
| 591 | 416_2024    | Babita Bhetwal                                      | Knowledge, Attitude, Practice, and Barriers to Cervical Cancer Prevention among Tamang Women residing in Nuwakot, Nepal.                             |
| 592 | 382_2024    | Padma Prasad Khatiwada                              | Surrogacy in Nepal: Issues and Existing Policy Framework                                                                                             |

| S.N | Protocol ID | Principal Investigation | Universal Health Coverage                                                                                  |
|-----|-------------|-------------------------|------------------------------------------------------------------------------------------------------------|
| 593 | 323_2025    | Anu Bhusal              | Gender differences in postoperative pain after laparoscopic cholecystectomy in Lumbini Provincial Hospital |

| S.N | Protocol ID | Principal Investigation            | Universal Health Coverage                                                                                                                             |
|-----|-------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 594 | 295_2025    | Anu Bhusal                         | Hemodynamic and ventilatory changes during Laparoscopic Cholecystectomy in Lumbini Provincial Hospital                                                |
| 595 | 278_2025    | Surendra Kunwar                    | Prevalence of Co-morbidities of Patients Seen in Pre-anesthetic Clinic of Secondary Level Hospital                                                    |
| 596 | 155_2025    | Sailesh Kumar Mishra<br>Luke Allen | Eliciting barriers to attending eye clinics and identifying potential solutions in the context of a community-based eye screening programmes in Nepal |
| 597 | 719_2024    | Sundus Shukar<br>Sunil Shrestha    | Enhancing access to anti-cancer medicines in South Asian Countries                                                                                    |
| 598 | 624_2024    | Bikash Koirala                     | Health System Effectiveness in Nepal's Federalized Context: An Ethnographic Study of Local Level Health Systems                                       |
| 599 | 455_2024    | Sabin Subedi                       | Effect of government led health insurance: Evidence from Nepal                                                                                        |

| S.N | Protocol ID | Principal Investigation | Urban Health                                                                                                                                              |
|-----|-------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 600 | 156_2025    | Akriti Sharma           | Understanding heatwave perceptions, responses and potential solutions in selected cities of Nepal                                                         |
| 601 | 531_2024    | Sushil Chandra Baral    | Comprehensive Assessment of Urban Health Status in Budhanilkantha Municipality: Exploring Public Health, Environmental Health, and Health Facility Status |

| S.N | Protocol ID | Principal Investigation               | Zoonotic Disease                                                                                                                                                                          |
|-----|-------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 602 | 198_2025    | Isabelle Bolon<br>Sanjib Kumar Sharma | SNAICS (Snakes, Artificial Intelligence & CommunitieS) First AI to identify snakes of Nepal: Assessing the performance of an AI model in identifying biting snakes in healthcare settings |
| 603 | 60_2025     | Rajesh Sharma                         | Mapping of the current snake antivenom availability in Nepal: a cross-sectional survey and geospatial analysis of snakebite treatment centers                                             |
| 604 | 693_2024    | Ranjan Sapkota                        | Prevalence of Human Hydatid Disease among High-risk Population in Baglung district of Nepal: a Screening Study                                                                            |
| 605 | 424_2024    | Dibesh Karmacharya<br>Nicole Lewis    | Health assessment of snow leopards through non-invasive techniques                                                                                                                        |

| S.N | Protocol Id | Principal Investigator | Miscellaneous                                                                                                                                     |
|-----|-------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 606 | 376_2025    | Suman Subedi           | Prevalence and Association of Vitamin D Deficiency with Chronic Musculoskeletal pain in Adults Attending a Rural Hilly District Orthopedic Clinic |

| S.N | Protocol Id | Principal Investigator          | Miscellaneous                                                                                                                                                                                                                  |
|-----|-------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 607 | 358_2025    | Helena Maria Charlton           | The impact of gender dynamics on the welfare of working equids in the Nepalgunj area of Nepal                                                                                                                                  |
| 608 | 335_2025    | Bipin Ghimire                   | Effectiveness of the Arthritis Training, Learning And up-Skilling (ATLAS) program in enhancing knowledge and confidence in osteoarthritis care among healthcare professionals: A three-month prospective cohort study in Nepal |
| 609 | 302_2025    | Sandeep Kumar Regmi             | Comparative study of endotracheal intubation of non-difficult airways using video laryngoscope versus direct laryngoscope at KIST Medical College and Teaching Hospital                                                        |
| 610 | 291_2025    | Swechha Bhatt                   | Unveiling Unconscious Bias: Addressing the Overlooked Challenges of Women in Surgery in Nepal – A Multicenter Study                                                                                                            |
| 611 | 283_2025    | Sulabh Kumar Shrestha           | Nineteen Years of Violence Against Healthcare Workers in Nepal: A Retrospective Analysis of Reported Incidents (2006–2025)                                                                                                     |
| 612 | 267_2025    | Santosh Chhetri                 | Prevalence of Accommodative and Binocular Vision Dysfunctions Among Goldsmiths in Butwal, Nepal: A Cross-Sectional Study                                                                                                       |
| 613 | 262_2025    | Tanka Prasad Pokharel           | Impact of Buddhist Approach to Meditation on Daily Life Stress Management                                                                                                                                                      |
| 614 | 255_2025    | Mohammad Anamul Haque           | Retrospective study for assessing outcomes and cost-effectiveness in open versus laparoscopic appendectomy                                                                                                                     |
| 615 | 245_2025    | Pooja Bhandari<br>Kyoung Ja Kim | Exploring Educational Needs and Outcomes for Bachelor of Nursing Curriculum Development at Pokhara University                                                                                                                  |
| 616 | 224_2025    | Ajit Kumar Thakur               | Assessment of Practices and Comparative Evaluation of Vision Therapy and Patching Therapy for Anisometropic Amblyopia in Eastern Nepal                                                                                         |
| 617 | 216_2025    | Om Prasad Gautam                | Evaluation survey of Hygiene Promotion through Routine Immunizations Programme in Nepal                                                                                                                                        |
| 618 | 215_2025    | Manish Man Pradhan              | Prevalence, Clinical Presentation and Treatment of Interstitial Cystitis/Bladder Pain Syndrome (IC/BPS) Among Nepalese Urological Population                                                                                   |
| 619 | 208_2025    | Lokeshwar Chaurasia             | Knowledge, Attitude and Practice regarding Antimicrobial Resistance among Proficiency Certificate Level Students in Dhanusha, Nepal                                                                                            |
| 620 | 204_2025    | Sulabh Kumar Shrestha           | Job Satisfaction among Young Orthopedic Surgeons in Nepal                                                                                                                                                                      |
| 621 | 162_2025    | Umesh Sharma                    | Concordance between MRI and Clinical Examination in Cervical Cancer Staging: A Retrospective Study                                                                                                                             |

| S.N | Protocol Id | Principal Investigator                  | Miscellaneous                                                                                                                                                                        |
|-----|-------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 622 | 115_2025    | Pramila Baral                           | perceptions and attitude towards magnetic resonance imaging safety among patients in bhaktapur, nepal                                                                                |
| 623 | 97_2025     | Shiva Bhandari                          | Surgical Outcomes of Inguinal Hernia Repair Using Desarda's Technique                                                                                                                |
| 624 | 93_2025     | Manoj Tripathi                          | Sugammadex Reversal For Patient Undergoing General Anesthesia- Evaluating Autonomic Responses and Post Operative Pulmonary Complications.                                            |
| 625 | 90_2025     | Anil Regmi                              | Dual-Level vs. Single-Level Nerve Root Block for Single-Level Lumbar Radiculopathy: A Prospective Comparative Analytical Cohort Study                                                |
| 626 | 84_2025     | Om Kumar Shrestha                       | Optimal Landmark for a Single-Slice Area to Quantify Abdominal Fat in Computed Tomography                                                                                            |
| 627 | 46_2025     | Alora Bhandari                          | A comparative study of Magnesium as an adjuvant to Ropivacine in ultrasound guided supraclavicular brachial plexus block in patients undergoing upper limb surgeries.                |
| 628 | 32_2025     | Bigen Man Shakya                        | Prevalence of Chronic pain and Neuropathic pain sign and symptoms among the population in Terai region of Nepal: A community-based cross-sectional Study                             |
| 629 | 723_2024    | Ashis Shrestha                          | Understanding the Root Cause of Violence Against Healthcare Workers in Nepal: A Grounded Theory Study                                                                                |
| 630 | 698_2024    | Roshani Gurung                          | Analgesic, anti-inflammatory and antidiabetic activity of invasive plant, Lantana camara L. in animal model                                                                          |
| 631 | 696_2024    | Pramod Joshi                            | Level of Physical Activity among Medical Doctors and Medical Students Using International Physical Activity Questionnaire Short Form Questionnaire in Nepal: A Cross-sectional Study |
| 632 | 680_2024    | Bhagawan Shrestha                       | National COVID-19 vaccination Survey                                                                                                                                                 |
| 633 | 669_2024    | Bal Mukunda Kunwar<br>Christina Barstow | Water insecurity experiences among households (HWISE) of rural drinking water in Karnali and Sudur Paschim Province.                                                                 |
| 634 | 630_2024    | Prakash Bahadur Thapa                   | CT Scan- Based Morphometric Measurement of Thoraco-lumbar Pedicles in Tharu people of Western Nepal                                                                                  |
| 635 | 620_2024    | Abhinav Vaidya                          | Generating Evidence to Improve the Health and Well-being of Low income Migrant Workers from Nepal                                                                                    |

| S.N | Protocol Id | Principal Investigator                            | Miscellaneous                                                                                                                                                                          |
|-----|-------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 636 | 622_2024    | Bhubneswari Bhatt                                 | An Analysis of Medication Error Incidence and Classification by Severity and Drug Class in the Primary Care Setting: A Study at Gurkha Welfare Trust, Nepal.                           |
| 637 | 617_2024    | Sushil Baral                                      | Gender Equity within Antimicrobial Resistance in Nepal                                                                                                                                 |
| 638 | 614_2024    | Gaurav Subedi                                     | Evaluation of Surgical Procedures in a Tertiary Government Hospital ENT Facility in Nepal                                                                                              |
| 639 | 592_2024    | Bhimsen Devkota                                   | Unfolding the tensions between humanitarian organizations and the states and their responses during conflict                                                                           |
| 640 | 585_2024    | Ashis Shrestha                                    | A Qualitative Study on Tracking the Progress of National Health Summit Declarations                                                                                                    |
| 641 | 582_2024    | Ranjan Shah                                       | Population-based Assessment of Uncorrected Refractive Errors in Nepal: Using Rapid Assessment Methodology                                                                              |
| 642 | 565_2024    | Udbodh Rijal                                      | Investigating the Links Between Climate Impacts and Child and Forced Labor in Nepal                                                                                                    |
| 643 | 559_2024    | Rajendra Kumar BC                                 | Investigating Ethical Approaches in Climate Change and Dengue Research in Nepal                                                                                                        |
| 644 | 525_2024    | Buna Piya                                         | Assessment of the correlation between Serum HDL Cholesterol, SOFA Score and Mortality prediction in patients with Sepsis in the Intensive Care Unit: A Prospective Observational Study |
| 645 | 488_2024    | Matthew James Bolitho<br>Wilson<br>Ramesh Neupane | Evaluating the Effectiveness of Semi-Permanent Healthcare Facilities in Post-Disaster Recovery                                                                                         |
| 646 | 512_2024    | Lokeshwar Chaurasia                               | Knowledge, Attitude and Practice (KAP) of self-medication and health care seeking behavior among residents in the vicinity of a tertiary health care center in Madhesh Province, Nepal |
| 647 | 447_2024    | Satish Prasad Barnawal                            | Perception of precautions, knowledge, behaviors, and preventive measures regarding road safety along with road traffic crashes among general public of Nepal: A Cross-sectional Survey |
| 648 | 445_2024    | Sudarshan Paudel                                  | Rural Health Practitioners as Social Entrepreneurs in Nepal: A Transformative Role                                                                                                     |
| 649 | 426_2024    | Sunita Ghimire Gautam                             | Validation of diagnostic Test kits for diagnosis of different diseases in Nepal                                                                                                        |
| 650 | 417_2024    | Roshani Gurung                                    | Conservation status and sustainable use of selected commercially important and wild medicinal plant species with potential wound healing activity                                      |

| S.N | Protocol Id | Principal Investigator                    | Miscellaneous                                                                                                                                                    |
|-----|-------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 651 | 419_2024    | Anu Dahal<br>Gerda Pohl                   | A pilot of systematic Colorectal Cancer Screening using FIT in primary care: A single-centered study in the Nepalese population.                                 |
| 652 | 405_2024    | Vivek Pant                                | Nationwide Survey of Knowledge, Attitude and Practice on Usage of Reference Intervals and External Quality Assurance Practices in Clinical Laboratories in Nepal |
| 653 | 399_2024    | Prasant Silwal                            | Effect of unilateral spinal anesthesia in patient undergoing unilateral inguinal hernia repair: an observational study.                                          |
| 654 | 391_2024    | Renu Shrestha                             | Level and perception of physical activity in people with comorbidity and multimorbidity in Madhyapur Thimi municipality, Nepal                                   |
| 655 | 381_2024    | Dipesh Tamrakar<br>Jason Randolph Andrews | Novel Colorimetric Assay for Rapid Detection of Salmonella Typhi Bacteriophages in Surface Waters for Enhanced Environmental Surveillance.                       |

#### LIST OF WITHDRAWN PROPOSALS

| Protocol ID | Principal Investigator            | Title                                                                                                                                                                                                     |
|-------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 193_2025    | Snehi Shrestha                    | A Cross-Sectional Study on Knowledge and Awareness of Good Oral Health Practices Among Adults in Kathmandu, Nepal                                                                                         |
| 177_2025    | Birendra Kumar Yadav              | Role of Glutamine in Reducing Oral Mucositis in Head and Neck Cancer Patients: A Randomized Controlled Trial                                                                                              |
| 149_2025    | Georjina Joshi                    | Psychological Stress Among Youth Living with HIV (YLHIV) in Nepal                                                                                                                                         |
| 81_2025     | Ashwinkumar Narayankar      Ashok | Prevalence of Low Back Pain Among Indian Army Veterans Residing in Pokhara, Nepal                                                                                                                         |
| 80_2025     | Ashwinkumar Narayankar      Ashok | Prevalence of dementia in ex-servicemen visiting each polyclinic Pokhara                                                                                                                                  |
| 51_2025     | Anil Thapa                        | Participatory design for a new public health intervention for small/sick newborns and their mothers/caregivers for continued care and support post-discharge from the Special Newborn Care Units in Nepal |
| 41_2025     | Asmita Niroula                    | Knowledge Attitude and Practice of Contraceptive Use and Family Planning Services Among Women of Reproductive Age in Nepal: A Mixed Method Study                                                          |
| 586_2024    | Pramod Joshi                      | Assessment of Stakeholder Perspectives on Quality Standards and Development Opportunities in Nepalese Academic Journals                                                                                   |

| Protocol ID | Principal Investigator | Title                                                                                                                                                                            |
|-------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 395_2024    | Pradez Sapkota         | Perception Knowledge and Attitude of High School Students' Understanding of Organ Donation and Organ Trade in Hokse and Jyamdi Maidan villages of Kavrepalanchok district, Nepal |

## LIST OF PENDING PROPOSALS

| Protocol ID | Principal Investigator | Title                                                                                                                                                            |
|-------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 442_2025    | Gautam Rai             | A Study of Correlation of hba1c with Serum Creatinine and egfr in Type-2 Diabetes Mellitus among Gurkha Veterans in Nepal                                        |
| 42_2025     | Sushil Chandra Baral   | Health facility client satisfaction survey 2025                                                                                                                  |
| 709_2024    | Sabin Dawadi           | Outcome Experienced by User of Shree Kesh Hair Oil: A mixed method across 1000 users                                                                             |
| 591_2024    | Hisako Mimura          | A Study on Children's Actual Health Conditions due to Altitude Difference in Nepal —To connect the results of health surveys of children to the health education |
| 574_2024    | Santoshi Giri          | Assessing the Relationship of Meteorological factors with the Burden of Dengue in Kathmandu district                                                             |
| 493_2024    | Roshani Gautam         | Assessment of Palliative and End-of-Life Care Content in Undergraduate Medical and Nursing Courses in Nepal                                                      |

## DATES OF EXPEDITED REVIEW MEETINGS

| S.N. | Meeting Date      | S.N | Meeting Date   |
|------|-------------------|-----|----------------|
| 1    | December 24, 2024 | 21  | March 18, 2025 |
| 2    | December 31, 2024 | 22  | March 20, 2025 |
| 3    | January 2, 2025   | 23  | March 25, 2025 |
| 4    | January 5, 2025   | 24  | April 6, 2025  |
| 5    | January 7, 2025   | 25  | July 14, 2025  |
| 6    | January 10, 2025  | 26  | April 15, 2025 |
| 7    | January 20, 2025  | 27  | April 16, 2025 |
| 8    | January 21, 2025  | 28  | April 17, 2025 |
| 9    | January 28, 2025  | 29  | April 22, 2025 |
| 10   | January 31, 2025  | 30  | May 19, 2025,  |
| 11   | February 6, 2025  | 31  | May 25, 2025   |
| 12   | February 7, 2025  | 32  | May 27, 2025   |
| 13   | February 9, 2025  | 33  | June 3, 2025   |
| 14   | February 14, 2025 | 34  | June 4, 2025   |
| 15   | February 16, 2025 | 35  | June 13, 2025  |
| 16   | February 24, 2025 | 36  | June 15, 2025  |
| 17   | February 27, 2025 | 37  | June 16, 2025  |

| S.N. | Meeting Date   | S.N | Meeting Date  |
|------|----------------|-----|---------------|
| 18   | March 5, 2025  | 38  | June 17, 2025 |
| 19   | March 7, 2025  | 39  | June 22, 2025 |
| 20   | March 17, 2025 | 40  | June 23, 2025 |
| 41   | June 29, 2025  | 44  | July 6, 2025  |
| 42   | June 30, 2025  | 45  | July 15, 2025 |
| 43   | July 13, 2025  | 46  | July 17, 2025 |

#### **DATES OF ETHICAL REVIEW BOARD MEETINGS**

| S.N | Meeting date      | S.N | Meeting date      |
|-----|-------------------|-----|-------------------|
| 1   | July 16, 2024     | 13  | February 12, 2025 |
| 2   | July 31, 2024     | 14  | March 2, 2025     |
| 3   | August 7, 2024    | 15  | March 12, 2025    |
| 4   | September 4, 2024 | 16  | March 19, 2025    |
| 5   | October 2, 2024   | 17  | March 26, 2025    |
| 6   | October 23, 2024  | 18  | April 21, 2025    |
| 7   | November 13, 2024 | 19  | May 7, 2025       |
| 8   | December 11, 2024 | 20  | May 14, 2025      |
| 9   | January 12, 2025  | 21  | May 28, 2025      |
| 10  | January 15, 2025  | 22  | June 12, 2025     |
| 11  | January 22, 2025  | 23  | June 18, 2025     |
| 12  | February 5, 2025  | 24  | June 25, 2025     |
| 25  | July 9, 2025      |     |                   |

#### **DATES OF IRC ACCREDITATION SUB-COMMITTEE MEETINGS**

| S.N | Meeting date       | S.N | Meeting date   |
|-----|--------------------|-----|----------------|
| 1   | July 24, 2024      | 5   | April 18, 2025 |
| 2   | September 25, 2024 | 6   | May 14, 2025   |
| 3   | December 11, 2025  | 7   | July 15, 2025  |
| 4   | January 17, 2025   |     |                |

#### **ONGOING STUDIES FOR MONITORING VISIT FOR DIFFERENT DISTRICTS**

| Principal Investigator                           | Title                                                                                                                                                                                                              |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dr. Rajeev Shrestha<br>Dr. Naveena Aloysia D'Cor | Phase III, randomized, observer-blind, placebo-controlled, multi-center, multinational study to evaluate the efficacy, immunogenicity, and safety of a Respiratory Syncytial Virus vaccine in infants and toddlers |
| Dr. Bikash Devkota                               | Prevalence of selected Non-Communicable Diseases among children and adolescent in Nepal: A cross-sectional pilot study                                                                                             |

| Principal Investigator                          | Title                                                                                                                                                                                                                                                               |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dr. Dinesh Neupane                              | Scaling up Community based Non communicable Disease Research into Practice in Pokhara Metropolitan City of Nepal (SCALE-NCD)                                                                                                                                        |
| Dr. Amrita Shrestha                             | Lily ko Bagaicha: Assessing the Impact of a Pediatric Palliative Care Approach on Children with Developmental Disorders and Their Families at Green Pastures Hospital, Pokhara                                                                                      |
| Ms. Arati Poudel                                | Evaluating the impact of Sunita project in delivering palliative care in rural areas: Early impact and feasibility of a new model of care in Rural Hospitals in Nepal                                                                                               |
| Dr. Tulsi Ram Bhandari<br>Prof. Sakai Hiroko    | Effectiveness of Nutrition Education Intervention for Promoting Health Status of Adolescent Girls in Rural Nepal: A Randomized Controlled Trail                                                                                                                     |
| Dr. Kritika Dixit                               | Assessment of lived experience of tuberculosis (TB) stigma for people affected by TB in Nepal: A mixed methods study                                                                                                                                                |
| Dr. Buddha Basnyat<br>Dr. Sarah Dunstan         | Accelerating to Zero Transmission of Leprosy in Nepal - ACCELERATE                                                                                                                                                                                                  |
| Dr. Nagendra Luitel<br>Dr. Kelly Rose Clarke    | Developing and piloting a novel tool to test for associations between school climate and adolescent student mental health in Chitwan, Nepal                                                                                                                         |
| Dr. Raj Deb Mahato                              | Feto-maternal outcome in term pregnancy with premature rupture of membranes                                                                                                                                                                                         |
| Dr. Birendra Kumar Jha                          | Assessment of daily salt intake and its association with cardiovascular and kidney diseases in patients of tertiary care center                                                                                                                                     |
| Dr. Digbijay Kumar Thakur                       | Bad prognostic factors in patients with exacerbation of chronic obstructive pulmonary disease                                                                                                                                                                       |
| Dr. Nagendra Prasad Luitel<br>Dr. Young Su Park | Multidisciplinary Analysis of Digitally Preventable Health System Gap in Nepal                                                                                                                                                                                      |
| Dr. Bijaya Chandra Acharya<br>Dr. Fanghui Zhao  | Application and Demonstration of Chinese HPV Vaccine and Cervical Cancer Screening Technology in Low-Resource Countries                                                                                                                                             |
| Dr. Sasmita Poudel                              | Adherence and acceptability of multiple micronutrient supplementation among pregnant and lactating women in Nepal: a mixed method study                                                                                                                             |
| Dr. Tulsi Ram Bhandari<br>Prof. Sakai Hiroko    | Prevalence and Predictors of Overnutrition, Undernutrition, and Anemia in Women of Reproductive Age Living in Rural Nepal: A Cross-Sectional Study                                                                                                                  |
| Dr. Narayan Gautam                              | Biochemical, Molecular, and Quality of Life Characterization in $\beta$ -Thalassemia patients and its Association with Chronic Liver Disease Among Tharu population in Lumbini Province, Nepal                                                                      |
| Ms. Rojina Tandukar                             | Road traffic injuries in Nepal: Understanding the patient experience to build the socio-economic argument for road safety and prehospital care                                                                                                                      |
| Dr. Ganesh Kumar Rai<br>Dr. Tarun Saluja        | A Phase III Multicenter, Observer-Blinded, Randomized, Active Controlled, Immune Non-inferiority and Safety Study of Diphtheria Toxoid Conjugated Vi-Polysaccharide Typhoid Vaccine compared to Typbar TCV® in healthy 6 months-45 years aged Nepalese participants |





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