



# 10<sup>th</sup> NATIONAL SUMMIT OF HEALTH AND POPULATION SCIENTISTS IN NEPAL

## "Advancing Health and Population Research and Innovations: Achieving SDGs"

April 10-12, 2024, Hotel Hyatt Regency, Jorpati, Kathmandu, Nepal



### Program Schedule

Day I, 10 April 2024, Wednesday	
08:00 – 09:00	Registration/Breakfast
09:00 – 10:30	<p><b>Inauguration Session</b>            Prof. Dr Gehanath Baral, Chairman, Nepal Health Research Council (NHRC), Government of Nepal (Chair of session)            Rt. Hon'ble Mr Ram Chandra Paudel, Right Honorable President of the Federal Republic of Nepal (Chief Guest)            Hon'ble Mr. Upendra Yadav, Deputy Prime Minister and Minister for Health and Population, Government of Nepal (Special Guest)            Hon'ble Prof. Dr. Shivaraj Adhikari, National Planning Commission (Special Guest)            Dr. Roshan Pokhrel, Secretary, Ministry of Health and Population, Government of Nepal (Guest)            Dr. Mrigendra Raj Pandey, Emeritus Chairman of NHRC (Guest)            Dr. Pramod Joshi, Member-Secretary (Executive Chief), NHRC</p>
10:30 – 11:00	<b>Break</b>
11:00 – 13:00	<b>Plenary Session 1: Health Policy Reform and Financing (Chairs Prof. Dr. Chanda Karki and Dr. Sangeeta Mishra)</b>
11:00-11:15	Harnessing the Power of Health Economics in Policy Decision-Making: opportunities for better policy making in the federal context in Nepal [Keynote Speech] Prof. Dr. Shivaraj Adhikari
11:15-11:25	Health Sector Policy Making in Nepal: Process, Key Challenges, and Future Directions (Dr. Krishna P Paudel)
11:25-11:35	Nepal's Health Financing Landscape: Status, Issues and Way Forward -Dr Guna Nidhi Sharma
11:35-11:45	Health Financing Reforms and Priority Setting for Accelerating Progress in the Path to Universal Coverage: Challenges and Opportunities in Federal Context (Mr. Achyut Raj Pandey)
11:45-11:55	Improving health system efficiency: imperative for accelerating health gains in federal context (Mr. Ravikant Mishra)
11:55-12:05	Health Insurance in Nepal: Need for reform and accelerating progress (Mr. Pratik Khanal)
12:05-12:15	Optimizing health financing control knobs: A comprehensive analysis of health insurance in Nepal ( Dr. Damodar Basaula)

12:15-13:00	<b>Panel discussion</b> <b>Moderator:</b> Dr Subash Pyakurel <b>Panelist:</b> Dr. Bikash Devkota, MOHP Dr. Guna Raj Lohani, HIB Mr. Roshan Karna (WHO Nepal) Ms. Sangita Shrestha (Bir Hospital)	
13:00 – 14:00	<b>Lunch/ Poster Presentation</b>	
14:00 – 15:30	<b>Plenary Session 2: Evidence-based medicine and clinical practice (Prof. Dr. Ramesh Kanta Adhikari &amp; Prof. Dr. Sudha Basnet)</b>	
14:00-14:15	<b>Keynote presentation 1:</b> Implications of WHO's work in clinical trials and strengthening the R&D ecosystem- Dr. Vasee Moorthy	
14:15-14:30	<b>Keynote presentation 2:</b> Four decades of my research journey: Challenges and achievements-Prof. Dr. Raju Vaishya	
14:30-14:45	<b>Keynote presentation 3:</b> Governance of clinical trials in Nepal -Prof. Dr. Mohan Raj Sharma	
14:45-14:50	<b>Chairs remarks and closing</b>	
14:50-15:30	<b>Panel discussion</b> <b>Moderator:</b> Dr. Khem B Karki Mr. Naryan Prasad Dhakal, DDA Dr. Pradip Gyanwali, IoM Prof. Dr. Rajeev Shrestha, KU Ms. Naheeda Haque OCRU Nepal Dr. Diptesh Aryal, ERB, NHRC	
15:30-16:00	<b>Tea/Coffee Break</b>	
16:00 – 18:00	<b>Parallel Session I: Efficient and Responsive Health System: Quality and Equitable Health Services (Prof. Dr. Anjani Kumar Jha and Dr. Dipendra Raman Singh)</b>	<b>Parallel session II: Sexual and Reproductive Health and Rights (Dr . Laxmi Raj Pathak and Dr. Mahesh Puri)</b>
16:00 -16:20	Efficient and Responsive Health System for Quality and Equitable Health Services: An evolution over political revolution in Nepal -Dr. Bhim P Sapkota (Thematic paper)	Progressing Sexual and Reproductive Health and Rights: An Essential Global Priority – Dr. Khem B. Karki (Thematic paper)
16:20-16:30	Assessing Capacity of Health Policy and System Research Institutions (HPSRIs) in Nepal: Framework, Lesson Learned and Future Directions – Sushil Chandra Baral/ Bipul Lamichhane	Decomposing inequality in knowledge about HIV prevention and discriminatory attitudes towards people living with HIV among youth aged 15-24 years in Nepal – Bikram Adhikari

16:30-16:40	Choice of sustainable health financing reform options for attaining Universal Health Coverage in Nepal: Stakeholders' perspectives- Bikesh Bajracharya	Exploring the Intersection of Disability and Sexual and Reproductive Health: Reported Needs for Women's Access to Care – Jene Shrestha
16:40 -16:50	Competency in using district health information system among health workers in Nepal -Binita Kumari Poudel	Exploring the Association Between Knowledge of Safe Abortion and Contraceptive Usage Among Married Women of Reproductive Age: Insights from a National Survey in Nepal – Kritee Lamichhane
16:50 – 17:00	Readiness of Health System to Provide Disability Inclusive Health Services in Karnali Province of Nepal: Perspective from Service Providers and Women with Disabilities -Pabitra Neupane	Effectiveness and Implementation of Simulation-Based Mentorship Program in four Districts of Nepal – Nashna Maharjan
17:00-17:10	Health Facilities Readiness to Implement Standard Precautions for Infection Prevention and Control in Nepal: A Secondary Analysis of Nepal Health Facility Survey 2021 -Saugat Pratap KC	Effectiveness of a cervical cancer stigma reduction intervention on cancer stigma score and cervical cancer screening uptake in Nepal – Priyanka Timsina
17:10 –17:20	Comprehensive Assessment of Pharmacist-Driven Interventions on Pain Outcomes: An Umbrella Review of Systematic Reviews and Meta-Analyses -Sunil Shrestha	Co-Creating Interventions to Address Menstrual Seclusion in Nepal Via Human-Centered Design-Sara Baumann
17:20 – 17:30	Health System Resilience Capacity in Federal Context of Nepal: Findings from a Mixed Method Study – Shreeman Sharma	Effective coverage of births in health facilities in Nepal: Cross-sectional study combining Demographic and Health Survey 2022 and Health Facility Survey 2021 – Sulata Karki
17:30– 18:00	Discussion and closing	Discussion and closing

## Day II: Thursday 11 April 2024

8:00 – 9:00	<b>Registration/Breakfast</b>
09:00 – 10:30	<b>Plenary Session 3: Wider determinants of health including climate change (Dr. Tanka Barakoti and Dr. Kiran Regmi)</b>
09:00-09:20	Climate change as a global public health crisis- Prof. Anthony Costello
09:20-09:40	Behavioral determinants of Child Marriage and Adolescent Pregnancy in Nepal: A Qualitative Study-Dr. Meghnath Dhimal
09:40-10:00	Every Newborn Action Plan (ENAP) and Ending Preventable Maternal Mortality (EPMM) -Dr. Bibek Kumar Lal
10:00-10:30	<b>Discussion and closing</b>

<b>10:30 – 11:10</b>	<b>Tea Break and Poster Presentation</b>	
<b>11:10 – 13:00</b>	<b>Parallel session III: Environmental health and climate change</b> (Prof. Dr. Bhupendra Basnet and Prof. Dr Chop Lal Bhusal)	<b>Parallel Session IV: Population, Migration and Ageing</b> (Prof. Dr. Lochana Shrestha and Prof. Dr. Padam Prasad Khatiwada)
11:10 – 11:30	Developing climate resilient and low carbon health system in Nepal -Er. Raja Ram Pote Shrestha (Invited talk)	Exploring the Landscape of Health-related Information of Migrants and Its Management in Nepal: A Scoping Study -Dr. Dhiraj Gurung (Invited talk)
11:30 – 11:50	Health care waste management endline survey - Upendra Dhungana, Tirtha Sinha	Prevalence of osteoporosis and associated factors among people aged 50 years and older in the Madhesh province of Nepal: a community-based cross-sectional study- Narendra Kumar Chaudhary
11:50 – 12:00	Integrating Gender, and Sexual Reproductive Health in Local Climate Policies: Insights from Sudurpaschim and Lumbini Province- Amit Timilsina	Impact of Spousal Migration on Mental Health of Women in Nepal-Urja Regmi
12:00 – 12:10	Integrated assessment of self-reported pesticide toxicity, farmer's knowledge and practices, and occupational health safety: a mixed method study- Sandhya Subedi	Socioeconomic, behavioral and health related characteristics of older adults in Nepal- Bal Krishna Suvedi
12:10– 12:20	A Scoping Review of Climate Impacts on Human Health in Nepal – Manita Pyakurel	Status of child marriage among adolescent girls in Nepal – Bishnu Prasad Dulal
12:20 – 12:30	Fluoride Level in Drinking Water Sources of Sudurpashchim Province, Nepal – Naresh Prasad Joshi	Prevalence of blindness and visual impairment among people 50 years and above in Nepal: a national Rapid Assessment of Avoidable Blindness Survey – Ranjan Shah
12:30-13:00	Discussion and closing	Discussion and closing
<b>13:00 –14:00</b>	<b>Lunch and Poster presentation</b>	
<b>14:00-15:30</b>	<b>Plenary Session 4: Implementation research and capacity building (Dr. Bikash Devkota and Dr. Megha Raj Banjara)</b>	
<b>14:00-14:15</b>	The Value of Implementation Science in Shaping Policy and Practices- Learnings from Multiple Countries – Dr. UN Yadav	
<b>14:15-14:30</b>	Acceptability and Feasibility of Motivational Interviewing among Patients with Depression: Building Evidence to Address the Dual Burden of Mental Health Conditions and Non-Communicable Diseases- Kripa Sigdel	
<b>14:30-14:40</b>	Chairs remarks and closing	
<b>14:40-15:30</b>	<b>Panel discussion</b>	

	<p><b>Moderator:</b> Dr Archana Shrestha  <b>Panelists:</b> Dr. Kjersti Mørkrid Blom-Bakke  Dr. Sabitri Sapkota  Dr. Phanindra P Baral  Ms. Hira Niraula</p>	
<b>15:30 –16:00</b>	<b>Tea/Coffee and Poster presentation</b>	
<b>16:00-17:30</b>	<b>Parallel Session V: Emergency Preparedness and Mental Health (Dr. Roshan Pokhrel and Prof. Dr. Saroj Prasad Ojha)</b>	<b>Parallel Session VI: Resilient health system for combating HIV, TB, Malaria and COVID-19 (Prof. Dr. Janka Koirala and Dr Anil Karki)</b>
<b>16:00-16:10</b>	Health Emergency and Disaster Management: The role of Health Emergency Operation Centre (HEOC)- Dr. Prakash Budhathoki (Invited talk)	
<b>16:10-16:20</b>	Mental health of LGBT of Kathmandu Valley: the role of victimization, discrimination connectedness, identity affirmation- Puja Bisunke	Achievements and lessons learned from strengthening a resilient health system through Global Fund's COVID-19 Response Mechanism in Nepal- Rajan Bhattarai
<b>16:20-16:30</b>	Mental health disorders and associated factors among people living in informal settlements of Kathmandu and Pokhara Valley of Nepal- Situ Kc	Enhancing TB case finding in Nepal: strategies and outcomes – Presenter: Ashish Shrestha
<b>16:30-16:40</b>	Impact of national ban of highly hazardous pesticides on mortality from suicide by pesticide in Nepal- Rakesh Ghimire	Experience on 1-3-7 strategy of malaria program contributing to Malaria elimination in Nepal- Madan Koirala
<b>16:40-16:50</b>	Clinical and social factors contributing to postpartum mental health among women during 6-12 months of childbirth in Nepal: A mixed method study -Sangita Pudasainee-Kapri	An Evolving Nature of Stigma - Findings Sharing of PLHIV Stigma Index Survey 2.0 of Nepal –Shodashi Rayamajhi,
<b>16:50-17:00</b>	Psychological supportive care needs interventions for cervical cancer patients: A systematic review- Kamala Dhakal	Exploring barriers and facilitators in Implementation Fidelity of Malaria Screening Intervention at Nepal-India Border Point-of-entry Health Desks – Aney Rijal
<b>17:00-17:30</b>	<b>Discussion and closing</b>	
<b>17:30-21:00</b>	Snacks and Dinner/Social and Scientific Networking / Cultural Programme	

<b>Day III, 12 April 2024, Friday</b>		
<b>8:00 – 9:00</b>	<b>Registration/Breakfast</b>	
<b>09:00 – 10:30</b>	<b>Plenary Session 5: Health and Equity (Prof. Dr. Bhagwan Koirala and Dr Bhoj Raj Adhikari)</b>	
<b>09:00-09:15</b>	Advancing public health through self-management of long-term conditions (Key Note Presentation)- Prof. Mark Harris	
<b>09:15-09:35</b>	Why do South Asians have a high risk for CVD and diabetes? (Key Note Presentation) – Prof. D. Prabhakaran	
<b>09:35-09:50</b>	Climate change, health and equity – Growing ethical crisis- Dr. Meghnath Dhimal	
<b>09:50-10:05</b>	From disparity to dignity - A narrative of Nepal's Health systems on equity- Dr. Sushil Chandra Baral	
<b>10:05-10:20</b>	Discussion	
<b>10:20-10:30</b>	Chairs remarks and closing	
<b>10:30 – 11:00</b>	<b>Tea Break and Poster Presentation</b>	
<b>11:00 – 13:00</b>	<b>Parallel Session VII: Non-communicable Disease and Injuries (Prof. Dr. Abhinav Vaidya and Dr. Lochan Karki)</b>	<b>Parallel Session VIII: Infectious diseases and biomedical research (Prof. Dr. Jeevan B Sherchand and Dr. Ashish Shrestha)</b>
11:00: 11:20	Non-communicable diseases and injuries in Nepal-Dr. Krishna Kumar Aryal (Thematic paper)	Infectious Diseases and Antimicrobial Resistance: Combined challenge to Nepal's Health System - Prof. Dr. Prakash Ghimire (Thematic paper)
11:20-11:30	Effectiveness of Female Community Health Volunteers Training Program on Hypertension Knowledge and Blood Pressure Measurement Skills in Kavrepalanchowk, Nepal- Prasansha Poudel	Association between human leukocyte antigen HLA-B*13:01 and dapsone-induced hypersensitivity reactions in Nepalese leprosy patients – Divya RSJB Rana
11:30 – 11:40	Risk Factors Associated with High Altitude Sickness: A Case-Control Study-Sishir Poudel	Laboratory and field evaluation of bio-larvicide Bacillus thuringiensis isolate of Nepal against Aedes aegypti- Ganga Gharty Chhetri
11:40 – 11:50	Scaling up structured lifestyle interventions to improve cardiometabolic health in low- and middle-income countries- Abha Shrestha	Leprosy in Lalitpur District: concern for active case finding-Kancha Shrestha
11:50 – 12:00	Evaluating the implementation of a Package of essential non-communicable diseases interventions in Nepal -Anju Vaidya	Seroprevalence, Geospatial Distribution and Risk factors associated with Hepatitis E infection in Nepal- Nishan Katuwal

12:00 – 12:10	Exposure to intimate partner violence and adverse mental health outcomes among reproductive-aged Nepalese women – Kiran Acharya	Azithromycin and cefixime combination versus azithromycin alone for the out-patient treatment of clinically suspected or confirmed uncomplicated typhoid fever in South Asia; a randomized controlled trial – Puja Shrestha
12:10– 12:20	Population Prevalence, Pattern, and Associated Factors for Retinal Diseases at High Altitude in Nepal – Raba Thapa	Application of Lytic Bacteriophage Against Carbapenem Resistant <i>Klebsiella pneumoniae</i> biofilms and Cloning of Holin Gene Responsible for Bacterial Lysis- Rajani Malla
12:20 – 12:30	Factors associated with resilience among patients with chronic kidney disease receiving hemodialysis in teaching hospital, Nepal – Rekha Timelsena	Schools as a Platform for Rapid Typhoid Seroepidemiological Assessments – Shiva Ram Naga
12:30 – 12:40	Impacts of Public Health Insurance on Prevention of Economic Burden and Health Service Utilization among People with Non-Communicable Diseases in Low-and Middle-income Countries: A Systematic Review- Basant Adhikari	Minimally invasive tissue sampling to strengthen identification and characterization of perinatal deaths reviewed under the MPDSR system – Nuwadatta Subedi
12:50-13:00	Discussion and closing	Discussion and closing
<b>13:00 – 14:00</b>	<b>Lunch and Poster presentation</b>	
<b>14:00-15:30</b>	<b>Parallel Session IX: Wider Determinants of Health (Prof. Madhusudan Subedi and Prof. Goma Devi Niraula)</b>	<b>Parallel session X: Health System and Research (Dr. Hari Dhakal and Prof. Dr. Sabina Shrestha)</b>
<b>14:00-14:20</b>	Addressing Wider Determinants of Health and Accelerating Progress towards Health Equity (Achyut Raj Pandey) (Thematic paper)	Ethical considerations when undertaking research with vulnerable populations: Insight from research in mental health, substance misuse and homelessness – Dr. Vibhu Paudyal, UK (Invited Talk)
<b>14:20-14:30</b>	Exploring the health, resilience, and community initiatives of informal settlers in Nepal using participatory methods – Jiban Karki	Anthropological approaches to health systems research: A scoping review- Jhabindra Bhandari
<b>14:30-14:40</b>	Effects of home-based parenting education program on child development and caregiver Practices-Kiran Prasad Bhandari	Federalism and the health system in Nepal: Identifying Five Key Priority Areas for Action – Jule Balen
<b>14:40-14:50</b>	Enhancing the Quality of Adverse Drug Reaction Reports in Nepal – Sushil Nepal	Participatory action research to address gender norms and power dynamics of female community health volunteers in Nepal – Abriti Arjyal

14:50-15:00	Effectiveness of Proximal Massage and Palm Fisting Exercise in Preventing Thrombophlebitis among Intravenous Cannulated Patients in a Teaching Hospital -Season Bista	Medicines registration and marketing authorization in Nepal: comparative study for benchmarking best practices – Achyut Bikram Thapa
15:00-15:10	Community Engagement in Prospective Cohort Study of Typhoid Conjugate Vaccine in Lalitpur, Nepal- Pratibha Oli	Public health competencies in Nepal: Current status and way forward – Anjali Joshi/Biraj Karmacharya
15:10-15:20	Hamro Swasthya: Development of Mobile Phone Health Application for use by Pregnant Women and their Health Care provider in Rural Nepal- Amit Arjyal	Enablers and inhibitors of multisector coordination: perspectives from five provinces in Nepal – Shophika Regmi
15:20-15:30	Discussion and closing	Discussion and closing
15:30 – 17:00	<b>Award Presentations including Oration Award &amp; Closing Session, Chief Guest Hon'ble Mr. Upendra Yadav, Deputy Prime Minister and Minister for Health and Population, Government of Nepal</b>	
17:00 – 17:30	<b>Tea/Coffee and Press Meet/Letter of appreciation to volunteers</b>	

### Parallel session Hall C

#### Day I, 10 April 2024, Wednesday Time 16:00-18:00

#### Digital health and Telemedicine (Dr. Shail Rupakheti and TBC)

1. SIL Nepal: An approach towards harmonization of health data- Dr. Ramesh Subedi (10 min).
2. Artificial Intelligence in Medicine: Dr. Sanjeev Uprety (10 min).
3. Digital HealthCare Ecosystem in Nepal: Dr. Apurb Sharma (10 min).
4. Assessment of Digital Health intervention in RMNCH – Dr. Binajwala Shrestha (10 min).
5. Role of research and education network in enabling research ecosystem in Nepal- Dr. Rajan Parajuli (10 min).
6. Managing biomedical equipment through latest technologies-BEMS-Er. Bikash Gurung (10 min).
7. Use of AI based chatbots for medical services in hospitals-Er. Bijaynan Bhattra (10 min)
8. New AI based medical robots for hospitals- Er. Subash Shrestha (10 min)

### Parallel session Hall C

#### Day II, 11 April 2024, Thursday Time 10:00 – 13:00

Curriculum Workshop on Clinical Research Fellowship

### Parallel session Hall C

#### Day III, 12 April 2024, Friday Time 11:00-17:00

Summit Declaration working group meeting