

BINAYA CHALISE

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Doctor of Philosophy (PhD)

Graduate School for International Development and Cooperation, Hiroshima University
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EDUCATION

Hiroshima University, Hiroshima Japan	Doctor of Philosophy (PhD) (October 2019 - March 2023)
La Trobe University, Melbourne Australia	Master of Public Health 2013 - 2015
Nepal Institute of Health Sciences, Kathmandu, Nepal	Bachelor of Public Health 2006 - 2009
Nepal Institute of Health Sciences, Kathmandu, Nepal	Certificate in General Medicine 2002 - 2005

AWARDS AND SCHOLARSHIPS

2021	Third prize for the Global Transition Southern Voces Video Competition, The Global Development Network and the Agence Française de Développement
2019	Monbukagakusho Scholarship, Japan Government Ministry of Education Culture Sports Science and Technology
2014	Golden Key International Honors Award, Golden Key International Honors Society
2013	Australia Awards Leadership Program, Australian Government Department of Foreign Affairs and Trade
2013	Global Online Distance Learning Master's Scholarships, The University of Edinburgh (Declined)

CONTINUING PROFESSIONAL DEVELOPMENT

July 2022	Impact Evaluation of Development Policy, Concept, Method and Application. <i>The Italian Centre for International Development</i> . Online
Aug 2020	Policy Analysis Using Interrupted Time Series. <i>Centre for Health Services and Policy Research, The University of British Columbia</i> . Online
Apr 2018	Global Burden of Diseases Advance Level Workshop. <i>Institute for Health Metrics and Evaluation</i> . Athens, Greece
Feb 2018	Using Cochrane Systematic Review for Evidence-Based Decision-making. <i>Cochrane Collaboration South Asia</i> . Nepal
Dec 2017	Introduction to Systematic Review and Meta-Analysis. <i>The Campbell Collaboration</i> . New Delhi, India
Mar 2017	Evaluating the Impact of Education and Health Policy in Nepal. <i>The World Bank</i> . Kathmandu, Nepal
June 2017	Solving Public Policy Problems: UC Berkeley's Eightfold Path. Berkeley Resource Center for Online Education University of California. Online
Sept 2016	Health System Economics and Health Account. <i>World Health Organisation</i> . Kathmandu, Nepal
Jan 2016	e-Learning Course on Basic of Health Economics. <i>The World Bank</i> . Online
Aug 2014	Basic and Advanced Qualitative Research using NVivo. <i>QRS International</i> . Melbourne, Australia
Feb 2010	Proposal Development for Health Research. <i>Nepal Health Research Council</i> . Kathmandu, Nepal

RESEARCH AND TEACHING EXPERIENCES

Adjunct Research Fellow (April 2023 – Ongoing)

Graduate School for Humanities and Social Sciences, Hiroshima University, Japan

Undertaking a quasi-experimental approach to estimate the intergenerational impact of Nepal's Female Community Health Volunteer Programs on child health outcomes. Reviewed Nepal-specific literature, fostered local connections and assessed the feasibility of implementing potential research ideas.

Teaching Assistant (June 2020 – March 2023)

Graduate School for Humanities and Social Sciences, Hiroshima University, Japan

Held designated class hours to assist in teaching elective courses for graduate students. Assisted in maintaining a learning management system for the students and faculty. Mentor master's students in JDS fellowship program in their research activities.

PhD Research Fellow (Oct 2022 – March 2023)

Graduate School for International Development and Cooperation, Hiroshima University, Japan

Collected and analysed hospital based longitudinal birth record on neonatal health linking with population-based survey and GIS data. Attended Global Environmental Leaders Programme, analysed geospatial air quality data to examine the impact of air pollution on child health.

Knowledge Management Advisor (Nov 2018 – Sept 2019)

UK Aid Nepal Health Sector Support Program, Abt Associate Australia, Nepal

Wrote the 2017 Nepal Burden of Disease (NBOD) Study report by analysing Nepal-specific data from the Global Burden of Disease (GBD) Study. Identified research areas and developed a data analysis plan to use routine health data in the Annual Planning and Budgeting of the Ministry of Health and Population. Developed a Knowledge Management Plan to guide knowledge management activities for the Nepal Health Sector Programme-3.

Research Officer (July 2016 – Nov 2018)

Government of Nepal, Nepal Health Research Council, Nepal

Analysed data from national health surveys, produced technical reports and brief notes for disseminating research findings with policy stakeholders and published research papers in peer-reviewed international journals. Coordinated Council's systematic review group, liaise with Cochrane South Asia and Campbell collaboration to promote systematic reviews and their policy application in Nepal. Assisted in writing and editing grant proposals to support Council's research efforts.

Adjunct Lecturer (Aug 2018 – Sept 2019)

Central Department of Public Health, Tribhuvan University, Nepal

Organised intensive course on Health Policy for final year Graduate students of Public Health. Planned and delivered lectures to students, stimulated class discussion, provided education support, and conducted the evaluation.

Public Health Instructor and Program Coordinator (Dec 2009 – Dec 2012)

Nepal Institute of Health Sciences, Nepal

Administered and coordinated clinical and field activities for students in the public health program. Implemented a new clinical and community practice model that reduced human resources costs by 20% and improved student performance by more than 50%. Developed key relationships with industry stakeholders, including public health offices and hospitals. Tutored undergraduate students on public health course, advised students on educational requirements and progress.

CONSULTING EXPERIENCES

National Consultant (Nov 2023 – Dec 2023), World Health Organization, Kathmandu, Nepal

Reviewed relevant literatures on health insurance, identified key performance indicators, milestones and data sources. Developed monitoring and evaluation framework for Nepal Health Insurance Strategic Roadmap 2024-2030.

M&E Consultant (May 2018 – June 2018), UK Aid Nepal Health Sector Program 3, Monitoring Evaluation and Operational Research Project, Abt Associates Australia

Reviewed M&E system identified data need and gaps within the context of Federal health System. Developed framework for monitoring and Evaluation of Health Sector in Federal Context for Ministry of Health and Population, Nepal.

Research Consultant (May 2016 – June 2016), Ipas Nepal, Nepal

Evaluated data from a baseline study of Youth Friendly Health Services to inform rational decision-making on resource investment.

Consultant (Oct 2015 – Apr 2016), UK Aid Nepal Health Sector Support Program, Options Consultancy Services, Nepal

Developed the Aama Program Recovery strategy for the 2015 Nepal Earthquake affected districts and supported the Ministry of Health in executing the recovery strategy. Undertook Stocktake assessment of the Safe Delivery Incentive Program of the Ministry of Health. Facilitated stakeholders' consultations on challenges of the Aama Program in the Earthquake affected districts.

Research Consultant (Dec 2011 – Jan 2012), *Shtrii Shakti, Nepal*

Synthesised evidence from national studies to produce a policy brief on health status of adolescents in Nepal.

Data Analyst (Feb 2010 – Aug 2011), *Centre for Community Development Nepal (CCDN), Nepal*

Managed the analysis and interpretation of Family Health survey data using Epi info statistical software.

Policy Analyst (Feb 2010 – Sept 2010), *Children and Women in Social Service & Human Right, Kathmandu, Nepal*

Led the analysis of existing laws and policies on the occupational health and safety of domestic workers, as well as laws regarding adolescent sexual and reproductive health.

Data Analyst (June 2010 - July 2010), *Nepal health Research Council, Nepal*

Analysed data from a study on the Status of Free Health Program of Nepal. Performed statistical analysis, generated output using SPSS and interpreted/presented on the output.

PUBLICATIONS

Chalise B, Kaneko S, & Tran D. Blessing of the moon: cultural beliefs, birth timing and child health in Nepal. *Cultural Health & Sexuality*. 2022 Aug 8:1-3.

Awasthi KR, Jancey J, Clements AC, Sah RK, Koirala MP, **Chalise B**, Leavy JE. Traditional Beliefs, Practices, and Migration: A Risk to Malaria Transmission in Rural Nepal. *International Journal of Environmental Research and Public Health*. 2022 Jan;19(24):16872.

Dhimal M, Chirico F, Bista B, Sharma S, **Chalise B**, Dhimal ML, Ilesanmi OS, Trucillo P, Sofia D. Impact of air pollution on global burden of disease in 2019. *Processes*. 2021 Oct;9(10):1719.

Pandey AR, Neupane T, **Chalise B**, Shrestha N, Chaudhary S, Dhungana RR, Bista B. Factors associated with physical and sexual violence among school-going adolescents in Nepal: Findings from Global School-based Student Health Survey. *PLoS one*. 2021 Mar 18;16(3):e0248566.

Pandey AR, **Chalise B**, Shrestha N, Ojha B, Maskey J, Sharma D, Godwin P, Aryal KK. Mortality and risk factors of disease in Nepal: Trend and projections from 1990 to 2040. *Plos one*. 2020 Dec 3;15(12):e0243055.

Adhikari M, **Chalise B**, Bista B, Pandey AR, Upadhyaya DP. Sociodemographic correlates of antenatal care visits in Nepal: results from Nepal Demographic and Health Survey 2016. *BMC Pregnancy and Childbirth*. 2020 Dec;20(1):1-0.

Pandey AR, Neupane T, **Chalise B**, Chaudhary S, Shrestha N, Bista B. Serious injury and its correlates among school going adolescents in Nepal: a cross-sectional study. *Journal of Nepal Health Research Council*. 2020 Nov 14;18(3):506-12.

Neupane T, Pandey AR, Bista B, **Chalise B**. Correlates of bullying victimisation among school adolescents in Nepal: Findings from 2015 Global School-Based Student Health Survey Nepal. *PLoS one*. 2020 Aug 19;15(8):e0237406.

Van Tuijl CJ, Madjdian DS, Bras H, **Chalise B**. Sociocultural and economic determinants of stunting and thinness among adolescent boys and girls in Nepal. *J Biosoc Sci*. 2020 Jul 8:1-26.

Bista B, Dhungana RR, **Chalise B**, Pandey AR. Prevalence and determinants of non-communicable diseases risk factors among reproductive aged women of Nepal: Results from Nepal Demographic Health Survey 2016. *PLoS one*. 2020 Mar 16;15(3):e0218840.

Chalise B, Chalise M, Bista B, Pandey AR, & Thapa S. Correlates of continuum of maternal health services among Nepalese women: Evidence from Nepal Multiple Indicator Cluster Survey. *PLoS one*. 2019 Apr 19;14(4), [e0215613].

Pandey AR, Bista B, Dhungana RR, Aryal KK, **Chalise B**, Dhimal M. Factors associated with suicidal ideation and suicidal attempts among adolescent students in Nepal: Findings from Global School-based Students Health Survey. *PLoS one*. 2019 Apr 19;14(4):e0210383.

Chalise B, Aryal KK, Mehta RK, Dhimal M, Sapkota F, Mehata S, Karki KB, Madjdian D, Patton G, Sawyer S. Prevalence and correlates of anaemia among adolescents in Nepal: Findings from a nationally representative cross-sectional survey. *PLoS one*. 2018 Dec 14;13(12):e0208878.

Awasthi KR, Adefemi K, Awasthi MS, **Chalise B**. Public health interventions for control of malaria in the population living in the terai region of Nepal. *Journal of Nepal Health Research Council*. 2017;15(3):202-7.

Chalise M, Steenkamp M, **Chalise B**. Factors enabling women with pelvic organ prolapse to seek surgery at mobile surgical camps in two remote districts in Nepal: a qualitative study. *WHO South-East Asia journal of public health*. 2016;5(2):141-8.

TECHNICAL SKILLS

MS Outlook, Word, PowerPoint, Excel, SPSS, STATA, R, ArcGIS and NVivo.

SERVICES

Mentor: (Jun 2020 - Jan 2022): Provide academic guidance, research advice and assistance to Japan Development Scholarship (JDS) student at Graduate School for Humanities and Social Sciences, Hiroshima University, Japan.

Peer Review: Plos one | Environmental Science and Pollution Research | The Lancet | BMC Health Service Research

Engagement: (Dec 2018 - Apr 2019) Technical Working Group: Nepal Burden of Disease Study, *Nepal Health Research Council* | (Aug 2018 - Nov 2018) Technical Working Group: Assessing Health related SDGs in Nepal, *Nepal Health Research Council* | (Mar 2018 - May 2018) Technical Working Group: School Health Worker Policy Assessment, *Nepal Health Research Council* | (Nov 2017 - Apr 2018) Scientific Committee: Fourth National Summit of Health and Population Scientist in Nepal, *Nepal health Research Council* | (Nov 2016 - Apr 2017) Scientific Committee: Third National Summit of Health and Population Scientist in Nepal, *Nepal health Research Council*.

Research Grants: Research collaborator with Prof Shinji Kaneko for the research project entitled Cost-effective Measures for Improving Health Information Management System (HMIS): Trans-disciplinary Social Experiments in Nepal, granted by the Ministry of Education, Sports Culture Science and Technology (MEXT), Japan.

Volunteer Work: Child Haven School, Kathmandu, Nepal (Jan – Dec 2004). Participated in creating health awareness among school children.

LEADERSHIP AND AFFILIATION

Life Member, Nepal Public Health Association (2016 Onwards) | Alumni Member, Australia Global Alumni (2016 Onwards) | Life Member, Australia Nepal Alumni Association (2016 Onwards) | Alumni Member, La Trobe University Alumni (2015 Onwards) | Life Member of Golden Key International honour Society (2014 Onwards) | General Member, Australian Disability & Development Consortium (2015 Onwards) | Student Member, Public Health Association of Australia (2013 – 2014) | Life Member, Nepal Red Cross Society (2011 Onwards) | Director of Health and International Development at Guideline and Economic International Network (2016 - Onwards), Melbourne Australia | Board Member at Swatantrata Abhiyan Nepal (2015 – 2019), Kathmandu Nepal

INVITED LECTURES AND PRESENTATIONS

- 2016 Systematic Reviews in Health Care Policy and Practice, *Institute of Medicine Global Health Alumni*, Kathmandu Nepal, 10 November.
- 2016 Open Access of Health Research Data: Free Trade or Fair Trade?, *Nepal Health Research Council*, Kathmandu Nepal, 23 December.
- 2016 Basics of Systematic Reviews, *Nepal Institute of Health Sciences*, Kathmandu Nepal, 30 December.
- 2017 Cochrane Activities in Nepal: Ways Forward, *Third National Summit of Health and Population Scientist*, Kathmandu Nepal, 10 April.
- 2018 Roles of Qualitative Research for Health Policymaking, *Nepal Health Research Council*, Kathmandu, Nepal, 17 September.
- 2019 Secondary Analysis of Routine Health Data in Health Policy and Planning, *Ministry of Health and Population*, Kathmandu, Nepal, 7 June.
- 2022 Forest Cover and Childhood Infection, Hiroshima International Conference on Peace and Sustainability, Hiroshima, Japan, 3 March.
- 2023 Trade and Health: Effect of the 2015 Nepal-India Border Blockade on Child Mortality. Network for Education and Research on Peace and Sustainability (NERPS) Conference, Bangkok, Thailand, 1 March.

REFERENCES

Available upon request