**Curriculum Vitae**

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# SUMMARY

I am a graduate in international public health from University College London and Curtin University. I have about 15 years of experience in teaching and research in public health focussing on maternity services utilisation, social and behavioural factors for maternal deaths, behaviour change communication and program evaluation. I use mixed-methods and have over 42 publications in international peer reviewed journals in the areas of maternity service utilisation, quality of maternity services, causes of maternal morbidity and mortality, gender preference, abortions, family planning, and breastfeeding (Google Scholar citations 2020, h-index 28, and i10-index 46).

# EMPLOYMENT

## Assistant Teaching Professor

Arizona State University, College of Health Solutions

Courses Spring (2023)

PBH 422 Health Disparities

POP 100 Intro to Population Health

HCD 303 Global Health Care Systems

Course Fall, 2023

POP 100 Introduction to Population Health

HCD 303 Global Health Care Systems

## Associate Professor (Public Health, 2016-2022)

School of Public Health and Community Medicine, BP Koirala Institute of Health Sciences (BPKIHS), Dharan, Nepal. Main role includes teaching and supervising MPH students. I co-ordinated and taught following units/subjects for MPH program:

*International Health and Primary Health Care (PHC)*

What is public health and international/global health? Important global and national public health issues; key international strategies and policies for global health (PHC, MDGs, SDGs); globalisation and its impact on public health; key actors in global health

Alma-Ata declaration and principles of PHC; selective PHC; determinants of health --case study and discussion; PHC vision and success stories; health for all and Revitalisation of PHC; Operational aspects of PHC and district health system; PHC and health system of Nepal

*Health Promotion and Behaviour Change Communication (BCC)*

Health promotion strategies and approaches; theories of behaviour change communication and their application; developing IEC and (S) BCC messages for communication campaign (communication strategy, creating effective messages and developing creative brief); monitoring and evaluation of (S)BCC creating

*Project Design and Evaluation*

Introduction to health planning (strategic and operational); introduction and overview of projects and project cycle management; situation analysis (problem identification); stakeholder analysis; project planning with the logical framework approach; project implementation, monitoring and evaluation; challenges and project sustainability

*Safe motherhood program*

Terminology and measurement of maternal and child health; maternal morbidity; social causes of maternal mortality, focusing three delays framework; maternal and neonatal care and services utilisation, maternal and neonatal health programs and strategies/interventions

## Research Assistant (Casual Contract, June-December, 2014)

School of Public Health, Curtin University; Perth, Western Australia. I did a scoping review to develop and define Global Public Health stream in MPH course of Curtin University.

## Assistant Professor (Public Health, 2010--2011)

School of Public Health and Community Medicine, BP Koirala Institute of Health Sciences

## Senior Instructor (Public Health, 2006-2009)

School of Public Health and Community Medicine, BP Koiral Institute of Health Sciences

# EDUCATION

## PhD (Public Health/Curtin, 2011-2015)

School of Public Health, Curtin University, Perth, Australia. Thesis title: A cohort study of the utilisation of institutional delivery services and pregnancy outcomes in the Kaski district of Nepal. I used quantitative methods to analyse data from 701 pregnant women to investigate birth preparedness, use of institutional delivery, reproductive morbidities and pregnancy outcomes. My thesis is on publication format with a series of five papers and approved with minor corrections.

## M.Sc. (International Health/UCL, 2004-2005)

A joint master’s degree programme of TropEd. Study undertaken in three Institutes:

* Institute of Global Health (then Center for International Health and Development), University College London, University of London; (Core Course: Orientation to learning, current issues in international child health, health policy and management, social development and health, introduction to research methods)
* Institute of International Health and Development, Queen Margaret University College, Edinburgh; (Advanced Modules: Project Design and Management, Policy and Practice in complex Emergencies, Psychosocial interventions with war-affected populations)
* Faculty of Health Sciences, University of Copenhagen. (Thesis: A psychosocial intervention approach to the adolescents displaced by armed conflict in Nepal)

## M.Sc. (Zoology/TU, 1998-2000)

Tribhuvan University, Central Dept. of Zoology; 1998-March 25, 2001. Specialization in Parasitology with dissertation work on Malaria

# PROFESSIONAL DEVELOPMENT

## International Visiting Fellow/University of Sydney (2022-2025)

Giving invited lectures in Master in Global Health Program, especially in Women's and Children's

Health and supervising students' capstone's projects in Global Health.

## Mentoring for MPH and PhD students

I have mentored 12 MPH students as primary supervisors and two PhD students as so-supervisors. I have been external examiner for one PhD thesis (University of Western Sydney).

## Co-ordinator of workshops

I took classes and co-ordinated workshops (Health Research Methods, and Article Writing and Publishing) at BP Koirala Institute of Health Sciences for postgraduate students, faculty and health professionals.

## Members

* Worked as member of Institutional Ethic Committee and Health Research Capacity Building Committee of BP Koirala Institute of Health Sciences
* Advisor and member to Nepal Public Health Association, Gandaki Province, Nepal.

## Trainings (selected)

* Three months Regional **Field Epidemiology Training Programme** (FETP, South East Asia Region), as a WHO Fellow from Nepal, Conducted from 1st August, 2006 to 31st October 2006 in National Institute of Communicable Diseases, New Delhi (NICD, a WHO Collaborating Centre for Epidemiology and Training), Directorate General of Health Services, Government of India.
* Participation on the course on **Public Private Partnership for Health**, Nov 23 to Dec 4, 2009, Yogyakarta, Indonesia. The course is organised as International Health Winter School by University of Gadjah Mada and Charite University with support from DAAD
* Three days training on **‘Qualitative Research Methods’** conducted by Faculty of Health Sciences, Curtin University in April 6-8, 2011.
* 5 week training course on **Leadership and Communication,** conducted by Australian Technology Network (ATN) in May 2013.
* 5 week training course on **Project Management**, conducted by Australian Technology Network (ATN) in October 2013.

## Conference presentations (selected)

* Paper **(Health Problems of Nepalese Labour Migrants)** presented in Integrated Health Care Conference, Oct 17-18, 2023, ASU Downtown Phoneix Campus, Mercado Building C, Room 145.
* Participation on the 38th Asia-Pacific Academic Consortium for Public Health (APACPH) Conference held in Bangkok from 2nd December to 6th December, 2006. Fully supported by APACPH Scholarship to present my abstract on ***“Psychosocial Intervention to Adolescents Affected by Armed Conflict: A Case of Nepal”*** under the track Social Medicine.
* Participation and oral presentation **(Pregnancy outcomes in Nepal: A prospective cohort study)** on the Australian Epidemiology Association Conference on ***Life Course Approach to Health and Wellbeing;*** October 20-22, 2013, Brisbane Convention and Exhibition Centre, Queensland, Australia.
* Participation and Poster presentation *(****Does birth preparedness packages increase facility delivery? Results from a prospective cohort study in Nepal****)* on 5th Annual Global Health conference of consortium of Universities for Global Health: Universities 2.0: Advancing Global Health in the Post-MDG Era***;*** May 10-12, 2014, The Washington Hilton, Washington DC, USA.
* Participation and oral presentation entitled “***Birth spacing and use of contraceptives by multiparous women in Eastern Nepal”*** on the 48th Asia-Pacific Academic Consortium for Public Health conference held at Teikyo University, Tokyo, Japan 16-19 September 2016

# AWARDS, SCHOLARSHIPS AND GRANT

## Erasmus Mundus (2004-5)

Scholarship of European Union to undertake TropED International Health course

## WHO Fellowship (2006)

to undertake 3 months Field epidemiology Training Programme

## APACPH grant (2006)

to participate on the 38th Asia-Pacific Academic consortium

## Australia Awards Scholarship (2011-2014)

to undertake PhD

## Young Oral Presentation Award (2016)

On the 48th Asia-Pacific Academic Consortium for Public Health conference held at Teikyo University, Tokyo, Japan 16-19 September 2016

## Fulbright Visiting Scholar

Selected as alternate candidate for Fulbright postdoctoral fellowship for 2018 by Fulbright

Commission of Nepal as a Takemi Fellow in International Health in Harvard T.H. Chan School of Public Health

# PROJECTS AND CONSULTANCIES

## Disability Project (2006)

Worked as a consultant for the Disability survey carried out by World Vision in Sunsari District of Nepal.

## Maternal Mortality Study (2018-2020)

Working as consultant for Mother and Infant Research Activities (MIRA) to bid and implement a large maternal mortality study in Nepal, funded by Department for International Development, UK.

## Evaluation on Sexual and Reproductive Health (2019-2020

* Worked as consultant to evaluate two projects implemented by Save the children, Nepal in 2019: (i) Maternal, Neonatal and Child Health Project, that focussed on the disadvantaged communities in four districts of Nepal and the Healthy Transitions for Nepali Youth Program that targets adolescents and youth in the rural, remote and marginalised populations in four districts of Western Nepal
* Worked as consultant to evaluate PLAN Nepal project in Sexual and Reproductive Health and Rights in two districts of Eastern Nepal in 2020

# JOURNAL REVIEW

Reviewer **for:** BMC Public Health, BMC Pregnancy and Child Birth, BMC Research Notes, Plos ONE, Women and Birth, BMJ Open

Associate Editor (BMC Public Health, 2015-2019): BMC Public Health (Global Health section) January, 2015 to January 2019.

BMJ Open Manuscript ID bmjopen-2022-062339.R1 entitled "Factors for completion of antenatal care visits among women who gave birth in the last six months before the survey in Debre Markos Town, Northwest Ethiopia: A community-based cross-sectional study"

July 26, 2023.

The Lancet Regional Health-Europe, manuscript review TLRHEUROPE-D-23-00262 entitled “Title: Migrant and refugee data in European national health information systems: advancing evidence, policy and practice.”

# PUBLICATIONS

## Journal articles, selected (>50 articles mainly on sexual and reproductive health)

(<https://scholar.google.com/citations?user=XrlbBtEAAAAJ&hl=en>).

1. **Karkee, R.,** Gurung, M., Poudel, L. et al. Management of health information of nepalese labour migrants. Globalization and Health 19, 30 (2023). <https://doi.org/10.1186/s12992-023-00927-8>
2. **Karkee R**, Gurung M, Poudel L, Baral C, Adhikary P, Krishna KCR, Gurung S, Gajdadziev V, Duigan P, Inkochasan M, Wickramage K, Gurung G. Health problems of nepalese labor migrants: A scoping review. WHO South East Asia J Public Health. 2022 Jul-Dec;11(2):128-134. doi: 10.4103/WHO-SEAJPH.WHO-SEAJPH\_227\_21.
3. Khatri RB, **Karkee R**, Durham J *et al.* Universal coverage of the first antenatal care visit but poor continuity of care across the maternal and newborn health continuum among Nepalese women: analysis of levels and correlates. Global Health**17,**141 (2021). <https://doi.org/10.1186/s12992-021-00791-4>
4. **Karkee R**, Tumbahangphe T, Maharjan N, Budhathoki B, Manandhar D. Who are dying and why? A case series study of maternal deaths in Nepal. BMJ Open 2021; **11**:e042840. doi:10.1136/bmjopen-2020-042840
5. **Karkee R**, Tumbahangphe T, Morgan A, Maharjan N, Budhathoki B, Manandhar D. Policies and actions to reduce maternal mortality in Nepal: Perspectives of key informants. Sexual and Reproductive Health Matters, 29:2, doi: [10.1080/26410397.2021.1907026](https://doi.org/10.1080/26410397.2021.1907026)
6. **Karkee R** and Morgan A. Providing maternal health services during the COVID-19 pandemic in Nepal. The Lancet Global Health, 2020, August, DOI: [https://doi.org/10.1016/S2214-109X(20)30350-8](https://doi.org/10.1016/S2214-109X%2820%2930350-8)
7. **Karkee R**, Adhikary S, Thapa D, Jha N. A cross-sectional survey of contraceptive use and birth spacing among multiparous women in eastern Nepal. Asia Pacific Journal of Public Health, 2020, 32 (2-3): 91-95
8. Khatri, R. B., & **Karkee, R**. “Social determinants of health affecting utilisation of routine maternity services in Nepal: a narrative review of the evidence.” Reproductive Health Matters, 2018 Nov.
9. **Karkee R**, Lee AH. “Birth spacing of pregnant women in Nepal: A community-based study.” Front Public Health; 2016, 4:205.
10. Khanal V, **Karkee R**, Lee AH, Binns CW. “[Adverse obstetric symptoms and rural-urban difference in cesarean delivery in Rupandehi district, Western Nepal: a cohort study.](http://www.ncbi.nlm.nih.gov/pubmed/26931478)” Reprod Health, 13, 17 (2016). https://doi.org/10.1186/s12978-016-0128-x
11. **Karkee R**, Khanal V. “Postnatal and neonatal care after home birth: a community-based study in Nepal.” Women and Birth, 2016; 29 (3): e39-e43.
12. **Karkee R**, Lee AH, Binns CW, Khanal V, Pokharel PK. “Incidence of Low Birthweight in Central Nepal: A Community-Based Prospective Cohort Study.” Matern Child Health J. 2015 **19** (1): 1-5.
13. **Karkee R**, Lee AH, Khanal V, Binns CW. “A community-based prospective cohort study of exclusive breastfeeding in central Nepal.” BMC Public Health, 2014, **14**:927.
14. **Karkee R**, Lee AH, Khanal V, Binns CW. “Infant feeding information, attitudes and practices: a longitudinal survey in central Nepal.” Int Breastfeed J, 2014, 9:**14.**
15. **Karkee R**, Lee AH, Khanal V, Binns CW. “Initiation of Breastfeeding and Factors Associated with Prelacteal Feeds in Central Nepal.” J Hum Lact, 2014, **30 (**3):353-357.
16. **Karkee R,** Lee AH, Khanal V. “Need factors for utilisation of institutional delivery services in Nepal: an analysis from Nepal Demographic and Health Survey, 2011.” BMJ Open 2014; **4**:e004372.
17. Khanal V, Gavidia T, Adhikari M, Mishra SR, **Karkee R.** “Poor Thermal Care Practices among Home Births in Nepal: further Analysis of Nepal Demographic and Health Survey 2011**.**”PLoS One*,*2014,**9**(2)
18. Khanal V, Adhikari M, **Karkee R**, Gavidia T. “Factors associated with the utilisation of postnatal care services among the mothers of Nepal: analysis of Nepal Demographic and Health Survey 2011.” BMC Women’s Health*,*2014, **14**:19.
19. **Karkee R**, Lee AH, Khanal V, Pokharel PK, Binns CW. “Obstetric complications and cesarean delivery in Nepal.” Int J Gynaecol Obstet. 2014 **125** (1):33-36.
20. **Karkee R,** Lee AH, Pokharel PK. “Women's perception of quality of maternity services: a longitudinal survey in Nepal.” BMC Pregnancy Childbirth *,* 2014, **14**:45.
21. **Karkee R,** Lee AH, Binns CW. “Bypassing birth centres for childbirth: an analysis of data from a community-based prospective cohort study in Nepal.” Health Policy Plan.2015 **30** (1**)** 1-7.
22. **Karkee R**, Kadariya J. “Choice of health-care facility after introduction of free essential health care services in Nepal.” WHO South-East Asia Journal of Public Health, 2013; **2** (2):96-100
23. **Karkee R**, Lee AH, Binns CW. “Why women don't utilise maternity services in Nepal: a literature review.” WHO South-East Asia Journal of Public Health,2013, **2**(3-4):135-141.
24. **Karkee R**, Lee AH, Binns CW. “Birth preparedness and skilled attendance at birth in Nepal: Implications for achieving millennium development goal 5.” Midwifery, 2013,**29** (10):1206-1210
25. **Karkee R**, Binns CW, Lee AH. “Determinants of facility delivery after implementation of safer mother programme in Nepal: a prospective cohort study.” BMC Pregnancy Childbirth,2013, **13**:193.
26. **Karkee R.** “How did Nepal Reduce the Maternal Motality? A Result from Analysing the determinants of Maternal Mortality.” J Nepal Med Association, 2012 **52** (186): 88-94
27. **Karkee R** and Jha N. “Primary Health Care Development: Where is Nepal after 30 years of Alma Ata Declaration?”J Nepal Med Association ,2010, **49**(178:178-184.