

Min Kyung “MK” Kim

Ph.D. student in Epidemiology | Biosocial Predoctoral Trainee
Gillings School of Global Public Health | Carolina Population Center
University of North Carolina (UNC) at Chapel Hill
Email: minkyung@unc.edu | Website: www.minkyungkim.org

EDUCATION

UNC at Chapel Hill, Gillings School of Global Public Health
Ph.D. Epidemiology 2023-current

Duke University, Duke Global Health Institute, Durham, NC
M.S. Global Health 2019

Auburn University, College of Sciences and Mathematics, Auburn, AL
B.S. Microbiology (Pre-Medicine concentration) 2010

RESEARCH INTERESTS

Asian American and Pacific Islander (AAPI)/Immigrant Health Disparities, Bio-social Determinants of Mental Health

RESEARCH EXPERIENCE

Carolina Population Center (CPC) | UNC at Chapel Hill
Chapel Hill, NC

Biosocial Predoctoral Trainee, 2024 – present (T32 - NIH funded)

- Train at a vibrant community of faculty, research staff, and postdoctoral scholars engaged in research at the nexus of social and health sciences
- Develop expertise in immigrant health disparities using biological and social determinants of health using the National Longitudinal Study of Adolescent to Adult Health (Add Health) data

Gillings School of Global Public Health | UNC at Chapel Hill
Chapel Hill, NC

Doctoral Research Assistant, 2023 – 2024

- Led a research project assessing parents’ and grandparents’ caregiving practices and child outcomes using Bachpan cohort study in Pakistan
- Collaborated on grant writing effort by conducting literature reviews on immigrant health disparities among South Asians
- Managed an interdisciplinary research team by writing weekly meeting notes to track research agenda

Tufts Clinical and Translational Science Institute
Addressing Disparities in Asian Populations through Translational Research (ADAPT)
Boston, MA
Research Associate, 2022 – 2023

- Published a mixed-method study by designing two focus group discussion guides and two impact evaluation questionnaires to understand social determinants of mental health in AAPI population
- Wrote a first-authored manuscript on association of nativity and acculturation status on the gestational diabetes mellitus prevalence for AAPI women in the US by using natality data from 2018 to 2021
- Collaborated in a grant writing for a youth-led community based participatory research in children’s environmental health by collaborating with Asian Community Development Corporation community-based organization

Korea Foundation for International Healthcare

Seoul, South Korea

Senior Researcher, 2021 – 2022

- Published a joint-first authored manuscript on quality-adjusted coverage in five maternal and childcare services using four waves of Demographic Health Survey data in Cambodia at BMJ Open
- Designed and led independent research on assessing the health equity in receiving quality childbirth, antenatal care, and curative child health services (pneumonia, fever, and diarrhea) among pregnant women and children in Myanmar

Department of Global Health and Population, Harvard T.H. Chan School of Public Health

Boston, MA

Research Analyst, 2019 – 2021

- Collaborated in the development of a longitudinal cohort survey tracking quality and outcomes for pregnant women and newborns (i.e., E-cohort) in India, South Africa, and Kenya
- Collected, cleaned, and analyzed Health information System data from 10 countries - Ethiopia, Haiti, Ghana, Lao, Mexico, Nepal, South Africa, Thailand, Chile, and South Korea - to assess the immediate effect of the Covid-19 pandemic on 31 essential health services
- Created data visualization for a 50-page policy guideline recommending investment options to build high quality health systems for the Global Financing Facility group

Evidence Lab, Duke Global Health Institute, Durham, NC

Master Research Assistant, 2017-2019

- Directed daily data quality assessments on REDCap and implemented corrective actions by visiting the data collectors in Uganda
- Conducted multiple literature reviews on epidemiological methods, medical record data quality, health system performance, and maternal and child health

PUBLICATIONS

1. **Kim, Min Kyung**, Su, Grace. S., Chan, Angel. N. *et al.* Mental health priorities and cultural-responsiveness of the Mental Health First Aid (MHFA) training for Asian immigrant populations in Greater Boston, Massachusetts. *BMC Psychiatry* 24, 506 (2024). <https://doi.org/10.1186/s12888-024-05894-x>
2. Lee, Y., Kim, S., **Kim, Min Kyung**. et al. Association between Tobacco Industry Interference Index (TIII) and MPOWER measures and adult daily smoking prevalence rate in 30 countries. *Global Health* 20, 6 (2024). <https://doi.org/10.1186/s12992-023-01003-x>

3. Turcotte-Tremblay, AM., Leerapan, B., Akweongo, P., **Min Kyung Kim** et al. Tracking health system performance in times of crisis using routine health data: lessons learned from a multicounty consortium. *Health Res Policy Sys* 21, 14 (2023).
<https://doi.org/10.1186/s12961-022-00956-6>
4. Kim S, Lee Y, Han C, **Kim Min Kyung**, Kawachi I and Oh J Effects of municipal smoke-free ordinances on secondhand smoke exposure in the Republic of Korea. *Front. Public Health* 11:1062753 (2023). doi: 10.3389/fpubh.2023.1062753
5. **Min Kyung Kim***, Kim SA*, Oh J, Catherine Arsenault, Measuring effective coverage of maternal and child health services in Cambodia: a retrospective analysis of Demographic and Health Surveys from 2005 to 2014 *BMJ Open* (2022); 12: e062028. doi: 10.1136/bmjopen-2022-062028 [Joint first-author*]
6. Catherine Arsenault, Anna Gage, **Min Kyung Kim**, et al. COVID-19 and resilience of healthcare systems in ten countries. *Nat Med.* (2022);10.1038/s41591-022-01750-1. doi:10.1038/s41591-022-01750-1
7. Giridhara R. Babu, Yamuna Gowda, **Min Kyung Kim**, Margaret E. Kruk, Hannah H. Leslie. Universal health coverage for better cardiovascular disease outcomes in LMICs: Focus on Quality, not just coverage. 2021 - Prabhakaran, D., Anand, S., & Reddy, K.S. (Eds.). (2022). *Public Health Approach to Cardiovascular Disease Prevention & Management* (1st ed.). CRC Press. <https://doi.org/10.1201/b23266>
8. Joy Noel Baumgartner, Jennifer Headley, Julius Kirya, Joshua Guenther, James Kaggwa, **Min Kyung Kim**, Luke Aldridge, Stefanie Weiland, Joseph Egger Impact evaluation of a maternal and neonatal health training intervention in private Ugandan facilities. *Health Policy Plan.* (2021) Aug 12;36(7):1103-1115. doi: 10.1093/heapol/czab072
9. **Min Kyung Kim**, Joy Noel Baumgartner, Jennifer Headley, James Kaggwa, Joseph R. Egger, Medical record bias in documentation of obstetric and neonatal clinical quality of care indicators in Uganda. *Journal of Clinical Epidemiology.* 2021 March, <https://doi.org/10.1016/j.jclinepi.2021.02.024>
10. **Min Kyung Kim**, Catherine Arsenault, Lynn Atuyambe, Margaret E. Kruk, Predictors of job satisfaction and intention to stay in the job among healthcare professionals in Uganda and Zambia. *International Journal for Quality in Health Care.* Sept 2021. <https://doi.org/10.1093/intqhc/mzab128>
11. **Min Kyung Kim**, Catherine Arsenault, Lynn M. Atuyambe, Mubiana Macwan'gi, Margaret E. Kruk. Determinants of healthcare providers' confidence in their clinical skills to deliver quality obstetric and newborn care in Uganda and Zambia. *BMC Health Serv Res.* 2020 Jun 15;20(1):539. doi: 10.1186/s12913-020-05410-3.
12. Arsenault C, **Min Kyung Kim**, Aryal A, Faye A, Joseph JP, Kassa M, Degfie TT, Yahya T, Kruk ME. Hospital-provision of essential primary care in 56 countries: determinants and quality. *Bull World Health Organ.* 2020 Nov 1;98(11):735-746D. doi: 10.2471/BLT.19.245563.
13. Joseph R. Egger, Jennifer Headley, Yixuan Li, **Min Kyung Kim**, Julius Kirya, Luke Aldridge, Stefanie Weiland, Joy Noel Baumgartner, Beneath the surface: crude and sensitive quality of care measures for maternal and neonatal healthcare in rural Uganda, *Maternal and Child Health Journal.* 2020 January, <https://doi.org/10.1007/s10995-019-02862-w>

IN-PROGRESS PUBLICATIONS

1. **Min Kyung Kim**, Tamarra James-Todd, Lucy Chie, Erika Werner, MyDzung Chu, Racial/ethnic and nativity disparities in gestational diabetes mellitus during COVID19, United States 2018-2023

CONFERENCE PRESENTATIONS

1. **Min Kyung Kim**, Tamarra M. James-Todd, Lucy Chie, Erika F. Werner, MyDzung Chu, Racial/Ethnic and Nativity Disparities in Gestational Diabetes Mellitus During COVID19, United States 2018-2021. [Poster presentation] The Society for Pediatric and Perinatal Epidemiologic Research (SPER) Annual Meeting; June 12-13, 2023; Portland, OR.
2. Binta Barry, Annie Chin-Louie, MyDzung Chu, Thomas Concannon, Sara Folta, Linda Hudson, **Min Kyung Kim**, Debra Lerner, Marisha Palm, Angelique Santiago, Broadly Engaged Team Science Supports Equity in Translation. [Poster presentation]. 2022 In-Person Clinical and Translational Science Awards (CTSA) Program Annual Meeting; November 1-2, 2022; Washington, D.C.
3. **Min Kyung Kim**, Catherine Arsenault, Lynn Atuyambe, Margaret E. Kruk, Does knowledge predict confidence among maternal health providers in Uganda and Zambia? [Poster presentation]. 11th Annual Consortium of Universities for Global Health Conference; April 18-20, 2020; Washington, D.C. (virtual conference due to Covid-19 pandemic)
4. **Min Kyung Kim**, Joy Noel Baumgartner, Jennifer Headley, James Kaggwa, Joseph Egger. Two simple bias analysis methods to correct for outcome misclassification in a medical record to measure the quality of obstetric services in Uganda [Poster presentation]. 52nd annual meeting The Society for Epidemiologic Research (SER); June 2019; Minnesota, MN
5. **Min Kyung Kim**, Joy Noel Baumgartner, Jennifer Headley, James Kaggwa, Joseph Egger. Validity of a medical record to measure the quality of obstetric services in rural clinics in greater Masaka district, Uganda [Poster presentation]. 10th Annual Consortium of Universities of Global Health Conference; March 2019; Chicago, IL

PEER REVIEW JOURNALS

PLOS One, International Journal for Quality in Health Care, BMC Health Services Research, SAGE Open Medicine, BMJ Open

PROFESSIONAL SOCIETIES

Society for Epidemiological Research (SER), Interdisciplinary Association for Population Sciences (IAPHS), Asian & Pacific Islander Caucus for Public Health

RESEARCH CONSULTING

Graduate School of Public Health, Seoul National University

Seoul, South Korea

Statistical Consultant, 2021 - 2022

- Published a 30-page report - Pandemic response strategies: Lessons from Asia-Pacific and European economies for healthcare sectors in the EBRD regions – commissioned by the European Bank for Reconstruction and Development (EBRD)

- Collaborated as a primary statistician in a manuscript writing (co-author) assessing the effectiveness of testing, tracing, isolation and quarantine policies during Covid-19 pandemic

World Bank Group

Statistical Consultant, 2021

- Wrote a 19-page final report on key findings and policy recommendations on the use of digital vignettes instead of in-person vignettes
- Analyzed digital and in-person clinical vignette data to measure the quality of care provided by community health workers in Mozambique