
Anastasia Lam

Rostock, Germany

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Curriculum vitae

Last updated: April 2023

Education

PhD Candidate *University of St Andrews and the Max Planck Institute for Demographic Research* 11/2020 – Present

Thesis: Inequalities of multimorbidity in middle-income countries

Supervisors: Dr Katherine Keenan, Professor Hill Kulu, and Professor Mikko Myrskylä

Master of Public Health with Merit *University of Edinburgh* 2017 – 2018

Thesis: Diabetes comorbidities in low- and middle-income countries: an umbrella review

Supervisor: Dr Caroline Jackson

Bachelor of Science, General Biology *University of California, San Diego* 2011 – 2015

Minor: Psychology

Work Experience

Research Assistant 02/2019 – 12/2020

Karolinska Institutet, Department of Medical Epidemiology & Biostatistics

- Assisted with the development, organisation, and editing of a textbook on statistical methods for extensions to case-control designs and analyses
- Used simulated and register-based datasets to design and analyse various case-control-type studies (e.g. nested case-control, case-cohort, two-stage) using weighted and unweighted logistic and Cox regression models
- Created figures, examples, and exercises using R and Stata, and used LaTeX to edit and organise textbook material

Community Health Outreach Volunteer 05/2016 – 10/2016

Peace Corps Mozambique

- Supported a community-based organisation by teaching Microsoft Excel database management skills to colleagues in order to better track projects and activities
- Participated in weekly community gatherings where relevant health and well-being topics, such as HIV/AIDS, tuberculosis, nutrition, domestic violence, income generation, stigma and discrimination, and education were discussed
- Engaged in weekly meetings with community health workers where the past week's activities were discussed, reflected upon, and new ideas and solutions were proposed

Teaching Experience

Demonstrating Lead *Advanced Quantitative Methods* 09/2021 – 11/2021

University of St Andrews, School of Geography and Sustainable Development

- Aided students in their understanding of advanced quantitative methods and statistical programming using R
- Supported lecturers in the development of lab exercise material

Teaching Assistant *Extensions to Designs and Analyses of Case-control Studies* 03/2020

Karolinska Institutet, Department of Medical Epidemiology and Biostatistics

- Assisted with the development of practical exercises and provided solutions in R and Stata
- Provided administrative and tutoring help during the course

Lecturer *Master of Public Health: Applied Epidemiology I* 02/2020

Karolinska Institutet, Department of Global Public Health

- Developed lecture and practical material for five three-hour sessions on the topic of practical statistics using Stata, which involved teaching basic skills about data cleaning and management, descriptive analyses, producing proper figures and tables, and how to communicate and interpret results
- Evaluated and marked students' final presentations and assignments

Publications

Lam, A., Keenan, K., Kulu, H., & Myrskylä, M. (2022). *Inequalities in disability-free and disabling multimorbid life expectancy in Costa Rica, Mexico, and the United States*. MPIDR Working Paper WP-2023-002, 71 pages. Rostock, Max Planck Institute for Demographic Research. <https://doi.org/10.4054/MPIDR-WP-2023-002>

Lam, A., Keenan, K., Myrskylä, M., & Kulu, H. (2022). *Multimorbid life expectancy across race, socioeconomic status, and gender in South Africa*. MPIDR Working Paper WP-2022-024, 90 pages. Rostock, Max Planck Institute for Demographic Research. <https://doi.org/10.4054/MPIDR-WP-2022-024>

Ning, Y., Lam, A. & Reilly, M. Estimating risk ratio from any standard epidemiological design by doubling the cases. BMC Med Res Methodol 22, 157 (2022). <https://doi.org/10.1186/s12874-022-01636-3>

Lam, A. A., Lepe, A., Wild, S. H., & Jackson, C. (2021). Diabetes comorbidities in low- and middle-income countries: An umbrella review. Journal of global health, 11, 04040. <https://doi.org/10.7189/jogh.11.04040>

Presentations

Lam, A., Keenan, K., Myrskylä, M., & Kulu, H. (2023). *Multimorbid life expectancy across race, socioeconomic status, and gender in South Africa*. Oral presentation at the Workshop on Ageing and Health of Older Persons in Sub-Saharan Africa. Entebbe, Uganda.

Lam, A., Keenan, K., Kulu, H., & Myrskylä, M. (2022). *Multimorbid life expectancy across race, socioeconomic status, and gender in South Africa*. Oral presentation at the European Population Conference 2022. Groningen, Netherlands.

Lam, A., Cezard, G., Kulu, H., Myrskylä, M., & Keenan, K. (2022). *Inequalities in multimorbid life expectancy in Costa Rica, Mexico, and the United States*. Oral presentation at the Nordic Demographic Symposium 2022. Oslo, Norway.

Lam, A., Cezard, G., Kulu, H., Myrskylä, M., & Keenan, K. (2022). *Inequalities in multimorbid life expectancy in Costa Rica, Mexico, and the United States*. Oral presentation at the Population Association of America annual meeting 2022. Atlanta, Georgia, USA.

Lam, A., Keenan, K., Kulu, H., & Myrskylä, M. (2022). *Intersecting racial and socioeconomic inequalities in multimorbid life expectancy in South Africa: a multistate modelling approach*. Poster presentation at the Population Association of America annual meeting 2022. Atlanta, Georgia, USA.

Lam, A., Cezard, G. & Keenan, K. (2021). *Multimorbidity patterns in Costa Rica and Mexico: a multistate modelling approach*. Work in progress presented at the Digital Health Science Initiative Seminar at the University of St Andrews. Online.

Lam, A., Keenan, K., Kulu, H., & Myrskylä, M. (2021). *Inequalities in multimorbid life expectancy in South Africa: A multistate modelling approach*. Poster presented online at the British Society for Population Studies Annual Conference.

Lam, A., Keenan, K., Kulu, H., & Myrskylä, M. (2021). *Gender, race, and socioeconomic inequalities in multimorbid life expectancy in South Africa: A multistate modelling approach*. Presented online at the IUSSP International Population Conference in December 2021.

Funding

ARC Centre of Excellence in Population Ageing Research (CEPAR) 2023 International Conference Travel Bursary 2023
Funding to attend and present at the CEPAR 2023 International Conference
1500 AUD

Santander Research Mobility Award 2022
Funding to attend and present at the Nordic Demographic Symposium in Oslo, Norway
665 GBP

Scottish Graduate School of Social Sciences: Saltire Emerging Researcher Programme 2022
Funding for a research visit with the Stockholm University Demography Unit (SUDA) to study child mortality in the descendants of refugees and immigrants using Swedish register data
3250 GBP

Relevant coursework

From decomposition to causal mediation analysis: a multidisciplinary perspective	03/2022
Advanced methods for causal inference with observational data	07/2021
Introduction to survival and event history analysis	06/2021
Data visualization: the art/skill cocktail	06/2021
Demographic methods	11/2020
Population health	11/2020
Global health economics	10/2019
Statistical practice in epidemiology using R	08/2019

Skills

Statistical analysis: R, Stata

Text processing: RMarkdown, LaTeX