

## Education

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- 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

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- 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 software, 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 and youth group 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

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- 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

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Lam, A., Keenan, K., Kulu, H., & Myrskylä, M. (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

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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

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

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

## Relevant coursework

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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
Introduction to GIS using ArcGIS	02/2021 – 04/2021
Demographic methods	11/2020
Topics in digital and computational demography	11/2020
Population health	11/2020
Global health economics	10/2019
Statistical practice in epidemiology using R	08/2019

## Skills

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**Statistical analysis:** R, Stata

**Text processing:** RMarkdown, LaTeX