

Logan Stuck

Public Health Evaluation | Epidemiology | Applied Statistics | Data Science

Maasbommel, Netherlands | logan@loganstuck.com | loganstuck.com

Public health evaluation and evidence specialist with expertise in epidemiology, monitoring and evaluation, statistical modeling, and data-informed decision support. Experience spans global health, academic research, consulting, and applied analytics, with collaborations across the United States, the Netherlands, Ethiopia, Ghana, South Africa, Tanzania, Uganda, Zanzibar, Zambia, and Zimbabwe.

CORE SKILLS

Evaluation and MEL: program evaluation, monitoring, evaluation, and learning, stakeholder reporting, evidence-to-decision support. Methods: epidemiology, biostatistics, causal inference, survival analysis, survey methodology, clinical trial simulation, predictive modeling, geospatial analysis. Public health domains: infectious disease surveillance, tuberculosis, malaria, vaccine evaluation, implementation research. Tools: R, SAS, STATA, QGIS, ArcGIS, ODK, Git, LaTeX.

PROFESSIONAL EXPERIENCE

2024 - Present

Applied Statistician

Biometris, Wageningen University and Research | Wageningen, Netherlands

- Provide statistical consulting for public health and applied research teams, including multi-country analytics for SHIFT2HEALTH.
- Design analyses, predictive models, and study workflows that connect complex health data to practical decisions.
- Collaborate with researchers, policymakers, and implementation partners to align statistical methods with real-world evidence needs.
- Translate complex analytical results into clear recommendations, reports, and decision-ready outputs.

2020 - 2023

Epidemiologist and Statistician

Amsterdam Institute for Global Health and Development | Amsterdam, Netherlands

- Led analyses for global health studies spanning clinical trials, individual participant data meta-analyses, and program evaluations.
- Coordinated and harmonized national TB prevalence survey data across Africa and Asia, contributing to policy-relevant Lancet Infectious Diseases evidence.
- Applied causal inference, survival analysis, survey methods, and statistical modeling to assess infectious disease burden and intervention performance.
- Mentored PhD and MSc students and translated complex findings for manuscripts, collaborators, and public health stakeholders.

2020 - 2023

Lecturer in Statistics

Vrije Universiteit Amsterdam | Amsterdam, Netherlands

- Developed and taught epidemiology and statistics courses for Research Master's in Global Health students.
- Designed lectures, practical sessions, and workshops on biostatistics, causal inference, and data analysis.
- Created and graded assignments, exams, and research projects to assess statistical competencies.

2019 - 2020

Postdoctoral Statistician, Epidemiologist, and Data Scientist

Tulane University School of Public Health and Tropical Medicine | New Orleans, Louisiana

- Conducted malaria program evaluations assessing intervention effectiveness, transmission patterns, and surveillance performance.
- Led epidemiological modeling and statistical analyses that informed malaria control and elimination strategies.
- Provided on-site training for household survey data collection, improving data quality and field implementation rigor.
- Contributed to peer-reviewed publications, grant development, and capacity-building initiatives in malaria research.

2015 - 2019

Research Assistant

Tulane University School of Public Health and Tropical Medicine | New Orleans, Louisiana

- Led evaluation of reactive case detection for malaria in Zanzibar, including effectiveness, spatial targeting, and implementation analyses.
- Synthesized evidence on diagnostic accuracy and geospatial prevalence mapping to clarify malaria transmission patterns.
- Collaborated with local health authorities and global malaria programs to translate findings into implementation strategy.

2013 - 2015

Biostatistician Consultant

HealthPartners Institute for Education and Research | Bloomington, Minnesota

- Conducted power analyses and simulations for complex multicenter trials.
- Built randomization schedules, managed data, and conducted final analyses of trial data.
- Collaborated with principal investigators to interpret statistical findings accurately.

SELECTED PROJECTS

SHIFT2HEALTH Analytics Support

2025 - Present | Wageningen University and Research

Statistical and data science support for a multi-country study of behavioral, physiological, nutritional, and environmental contributors to obesity in shift workers.

Rift Valley Fever Vaccine Trial Modeling

2024 - Present | LARISSA consortium

Epidemiological modeling, power calculations, and trial simulations for hRVFV-4s vaccine evaluation strategy.

Subclinical Tuberculosis IPD Meta-Analysis

2021 - 2024 | Amsterdam Institute for Global Health and Development

Led data collection, harmonization, and design-adjusted analysis across national TB prevalence surveys for a Lancet Infectious Diseases study.

BCG Vaccine Effectiveness IPD Meta-Analysis

2022 - 2024 | Amsterdam Institute for Global Health and Development

Provided methodological guidance on study design, data harmonization, statistical modeling, interpretation, and manuscript development for a Lancet Microbe study.

Trachoma Prevention Program Evaluation

2020 - 2021 | Tulane University and Sightsavers

Conducted design-adjusted analysis and supported reporting for facial cleanliness and environmental improvement interventions across Malawi, Tanzania, and Uganda.

Zimbabwe Assistance Program in Malaria Assessment

2019 - 2020 | Data for Impact and USAID

Directed a mixed-methods evaluation integrating routine data analysis and qualitative research to inform PMI, USAID, and national malaria program strategy.

Reactive Case Detection in Zanzibar

2016 - 2019 | Tulane University

Led epidemiological, spatial, and implementation analyses of malaria reactive case detection effectiveness and alternative surveillance strategies.

EDUCATION

PhD Epidemiology

Tulane University School of Public Health and Tropical Medicine, 2015 - 2020

Dissertation: An Evaluation of Reactive Case Detection for Malaria in Zanzibar.

MS Biostatistics

University of Minnesota School of Public Health, 2010 - 2013

Thesis: Spatial Quantification of Intra-Tumoral Heterogeneity.

BA Biology

St. Olaf College, 2005 - 2009

TEACHING AND CAPACITY BUILDING

- Co-Instructor, Nutrition and Infectious Disease, Health Sciences Master's, Vrije Universiteit Amsterdam, 2023.
- Lead Instructor, Introduction to Statistics, Research Master's in Global Health, Vrije Universiteit Amsterdam, 2021 - 2023.
- Co-Instructor, Intermediate Statistics and Epidemiology, Research Master's in Global Health, Vrije Universiteit Amsterdam, 2020 - 2023.
- Co-Instructor, Figure it Out, Applied Research, Research Master's in Global Health, Vrije Universiteit Amsterdam, 2020 - 2023.
- Guest Lecturer, Study Design in Quantitative Research, Department of Tropical Medicine, Tulane University School of Public Health and Tropical Medicine, 2020.
- Designed and led data analysis and GIS workshops for surveillance, monitoring, and evaluation officers in Tanzania and Zanzibar, 2019.
- Guest Lecturer, Surveillance in Malaria Elimination, Department of Tropical Medicine, Tulane University School of Public Health and Tropical Medicine, 2017.
- Co-promotor and methodological mentor for doctoral and master's students.

SELECTED PUBLICATIONS

- Pelzer P.T., Stuck L., et al. Effectiveness of the primary Bacillus Calmette-Guerin vaccine against the risk of Mycobacterium tuberculosis infection and tuberculosis disease: a meta-analysis of individual participant data. *The Lancet Microbe*, 2025.
- Stuck L., Klinkenberg E., et al. Prevalence of subclinical pulmonary tuberculosis in adults in community settings: an individual participant data meta-analysis. *The Lancet Infectious Diseases*, 2024.
- Das A.M., Hetzel M.W., Yukich J.O., Stuck L., et al. Modelling the impact of interventions on imported, introduced and indigenous malaria infections in Zanzibar, Tanzania. *Nature Communications*, 2023.
- Stuck L., van Haaster A.C., Kapata-Chanda P., Klinkenberg E., Kapata N., Cobelens F. How subclinical is subclinical tuberculosis? An analysis of national prevalence survey data from Zambia. *Clinical Infectious Diseases*, 2022.
- Stuck L., et al. Malaria infection prevalence and sensitivity of reactive case detection in Zanzibar. *International Journal of Infectious Diseases*, 2020.
- Stuck L., Lutambi A., Chacky F., et al. Can school-based distribution be used to maintain coverage of long-lasting insecticide treated bed nets? *Health Policy and Planning*, 2017.

GRANTS, CONTRACTS, AND CONSULTANCIES

- CEPI, LARISSA II: Novel Rift Valley Fever Vaccine Development, 2024 - Present. Role: Trial feasibility modeller.
- Mr. Willem Bakhuys Roozeboomstichting, TBPS-Meta: Tuberculosis Prevalence Survey Meta Analyses, 2023. Role: Principal investigator.
- Amsterdam Tuberculosis Center, scTB-Meta: Subclinical Tuberculosis Meta Analyses, 2021 - 2023. Role: Principal investigator.
- USAID, Associate Award: Technical assistance and support for community-based malaria surveillance in Tanzania, 2017 - 2019. Role: Co-investigator for sub-study.
- PATH / MACEPA / Gates Foundation, technical and scientific support to MACEPA activities in Zambia, 2017 - 2019. Role: Analytic and field support.
- USAID, VectorWorks, 2016 - 2019. Role: Analytic and field support.
- Data for Impact, Assessment of the Zimbabwe Assistance Program in Malaria, 2019 - 2020. Role: Evaluation consultant.
- Sightsavers, Schistosomiasis and Helminthiasis School Survey in Guinea-Bissau, 2018. Role: Consultant.
- Sightsavers, Multi-country WASH intervention trial in sub-Saharan Africa, 2017 - 2018. Role: Consultant.