

Koech Andrew

Masters Fellow, University of Bremen

Spittaler Strasse 1A · 28359 · Bremen, Germany

✉ koech@uni-bremen.de ☎ +49 1 777 892 226 🌐 [koechandy](#)

RESEARCH INTERESTS

Clinical Trials, Machine Learning Modelling, Survival Analysis studies, Statistical Genomics in Oncology

EDUCATION

University of Bremen

Bremen, Germany

M.Sc in Medical Biometry / Biostatistics

Oct. 2022 - Sept. 2024

University of Potsdam

Potsdam, Germany

M.Sc in Bioinformatics

Oct. 2020 - Not Completed

Jomo Kenyatta University of Agriculture and Technology

Nairobi, Kenya

B.Sc in Biostatistics

Sept. 2014 - Aug. 2018

“Spatial Analysis of Child Mortality in Kenya”

Terige Secondary School

Lessos, Kenya

Kenya Certificate of Secondary Education

Jan 2010 - Nov. 2013

EMPLOYMENT

International Cancer Institute

Eldoret, Kenya

Data Officer

Aug. 2019 - Nov. 2020

Designed surveys to assess health issues in non-communicable diseases.

Prepared five articles for publication and presentation at local and international scientific conferences.

Wrote three research proposals or grant applications for submission to Pfizer and Novartis.

Prepared tables, graphs and listings to present clinical results.

Worked with investigators to formalize analysis plans and reporting specifications.

Develop statistical analysis plans and write program code to analyze data using SAS/R or Stata.

Prepared and submitted clinical trial documents for review of two Novartis clinical trials, and responded to comments from the KEMRI Review Board.

AMPATH Oncology Institute

Eldoret, Kenya

Research Assistant

Sept. 2018 - Jul. 2019

Oversaw registration of patients for cervical and breast cancer screening.

Conducted random checks for data completeness and accuracy.

Coded data as necessary prior to data entry using master coding lists.

Identified appropriate statistical tests for analyzing and modeling oncology data.

Compiled reports, charts and graphs that describe and interpret findings of analyses

Kenya Medical Research Institute - Center for Public Health Research

Nairobi, Kenya

Intern

Jul. 2017 - Oct. 2017

CONFERENCE PRESENTATIONS

1. **Koech, Andrew**, Emma Achieng, Edwin Odoyo, Dennis Munene, and Fredrick Chite Asirwa. 2020.[Virtual Poster](#) "Abstract PO-249: Implementing Community Cervical Mass Screenings in Low-Middle-Income Countries: A Project Implemented by the Blueprint for Success Program, International Cancer Institute in Kenya." Cancer Epidemiology, Biomarkers & Prevention 29 (December): PO-249.
2. Kitur, Gloria, Emmah Achieng, Fredrick Chite Asirwa, Edwin Odoyo, and **Andrew Koech**. 2020.[Virtual Poster](#) "Abstract PO-028: Role of Community Outreach Activities in Cancer Prevention in Kenya." Cancer Epidemiology, Biomarkers & Prevention 29 (December): PO-028.
3. Muchiri, Anthony, Gloria Kitur, Hussein Elias, **Andrew Koech**, and Chite Asirwa. 2020.[Virtual Poster](#) "Abstract PO-047: The Role of Virtual Tumor Boards in Improving Patient Outcomes in Rural Settings of Sub-Saharan Africa." Cancer Epidemiology, Biomarkers & Prevention 29 (December): PO-047.
4. Sigu, Lamech, Fredrick Chite, Emma Achieng, and **Andrew Koech**. 2020.[Virtual Poster](#) "Setting up Telemedicine: Internet of Things to Support Rural Oncology Clinics in a Low- and Middle- Income Country—a Pilot Project in Kenya." 6 (July):58–58.
5. **Andrew Koech**, Rose Njogu, Emma Achieng, Gloria Kitur, Chizi Kiti, Chite Asirwa. "Abstract : Setting Up Tools for Collecting Quality Data at The International Cancer Institute, Kenya - Learning from other Cancer Institutes, Registries and Cancer Clinics." 2020.[Conference canceled](#). 11th Annual Consortium of Universities for Global Health Conference. 18–20 (April).
6. Kimani Peter, **Andrew Koech**, Nyambura Sarah. 2018. [Oral] *Spatial Analysis of Child Mortality in Kenya*. 13th JKUAT Scientific, Technological, and Industrialization Conference. 15–16 (November) 2018.

WORKSHOPS

Survival Analysis of Cancer Epidemiology.

Nairobi, Kenya

University of Nairobi

21 – 22 Oct. 2019

Advanced Biostatistical Methods: Multivariate models and Cluster Randomized Trials.

Eldoret, Kenya

Moi University

15 – 18 Jul. 2019

Bayesian Biostatistics Data Analysis: Theory and Practice.

Nairobi, Kenya

Jomo Kenyatta University of Agriculture and Technology

19 – 23 Nov. 2018

TECHNICAL SKILLS

R for Everything

Data pre-preparation (cleaning and wrangling) and statistical analysis/exploratory visualization with R Markdown.

Reproducible and replicable presentation and paper generation with R Markdown.

Version control using Git and Github with Rstudio.

Other (non-R) Technical Skills

SAS

MySQL

Linux

Windows

NON-TECHNICAL SKILLS

Spoken Languages

Deutsche (A2)
English (fluent)
Swahili (fluent)

SERVICE

Society Memberships

International Biometric Society - Deutsche Region (IBS-DR)