

WORKSHOP

FOUNDATIONS FOR INFECTIOUS DISEASE MODELLING, DATA ANALYSIS AND POLICY IMPACT



12 – 16 October 2026 | Cape Town, South Africa

ABOUT THE WORKSHOP

The STEAM-3D Introductory Workshop builds practical skills in:

- Infectious disease modelling
- Data analysis using R
- Evidence synthesis
- Knowledge translation
- Evidence-informed policymaking

Designed to strengthen capacity to generate, analyse, interpret, and communicate evidence for public health decision-making across Africa.

Funding is available for a maximum of 40 participants across the four countries.

WHO SHOULD ATTEND?

This workshop is designed for participants with a basic understanding of statistics, including:

- Early career researchers
- Epidemiologists
- Biostatisticians and data analysts
- Policy analysts and decision-makers
- Programme managers and implementers

Eligibility

Applicants must have completed at least one introductory statistics course. Open to citizens and residents of South Africa, Malawi, Mozambique and Cameroon.

WORKSHOP TOPICS

Participants will be introduced to:

- Introduction to R Programming (Pre-workshop course)
- Recap on R
- Introduction to Statistics
- The basics of Infectious Disease Modeling: Part 1
- Evidence Synthesis for Model Parameterization
- Primer on Evidence-to-Policy Decision-Making

LEARNING OUTCOMES

By the end of the workshop, participants will be able to:

- Summarize, visualize and analyze infectious disease data using R.
- Build and apply basic infectious disease transmission models.
- Conduct evidence synthesis.
- Translate research evidence into policy and practice.

For administrative queries contact:
celine.beneke@mrc.ac.za

For scientific/course related queries contact:
tarylee.reddy@mrc.ac.za

CLOSING DATE FOR APPLICATIONS:
15 AUGUST 2026

APPLY HERE



This project is supported by
Global Health EDCTP3
and its members

