

BUSINESS UNIT: NICD
DISCIPLINE: CENTRE FOR TUBERCULOSIS
LOCATION: SANDRINGHAM
POSITION: BIostatistician
PAY GRADE: D1
REFERENCE NUMBER: NICD0719/001-02

Provide statistical support in the design, implementation, analysis and reporting of laboratory, clinical and surveillance TB research activities.

Key Job Responsibilities

■ Provide statistical support to inform the development and design of research studies including defining objectives and study end-points; develop appropriate causal diagrams; conduct optimal sample size calculations including for adaptive trials; and develop interim and final statistical analysis plans ■ Provide statistical advice on designs and implementation of epidemiological studies and surveillance systems including monitoring and evaluation ■ Develop dataset specifications, and supervise the development of CRFs and databases ■ Supervise development and implementation of data quality management plans ■ Provide support to Data Safety and Monitoring Boards as required ■ Perform statistical analysis as per analysis plans and guide interpretation of findings ■ Contribute to dissemination of findings through stakeholder meetings, centre reports, conference and peer review publications ■ Advise and facilitate preparation of scientific reports and articles ■ Facilitate and deliver capacity building through mentoring students and staff and learning activities ■ Keep track of all research activities within the centre/department and maintain a research database ■ Comply with the data integrity, research and business ethics requirements ■ Represent at regulatory meetings, sponsor meetings and any other multifunctional meetings as needed ■ Perform other related duties supplementary to the work described herein including data management and training programmes in biostatistics/epidemiology.

Minimum requirements and Key Competency

■ MSc Epidemiology/Statistics/Mathematics or related qualification in a research field ■ 4 years' experience in statistical analysis in a medical research setting ■ Prior research activities relevant to tuberculosis will be an advantage ■ Sound knowledge of statistical packages, preferably STATA and R ■ Knowledge of record database management and data analysis ■ Knowledge and experience in mathematical modelling or meta-analysis will be an advantage ■ Good scientific writing skills ■ Excellent analytical skills, with the ability to process scientific and medical data ■ Able to work independently ■ Expertise in manipulating and analysing data ■ Ability to identify data issues, present problems and implement solutions ■ Capability of communicating technical concepts clearly, concisely and understandably ■ Good leadership, organizational and time management skills, with the ability to multitask ■ Strong interpersonal communication and presentation skills ■ Ability to effectively collaborate across functional teams ■ Attention to detail.

Enquiries may be directed to Gomotsang Mogomane @ 011 386 6425, email application to Recruiter2@nicd.ac.za