



UNIVERSITY OF NAIROBI

EXTERNAL JOB VACANCIES (PROJECT POSITION)

Applications are invited for the following position:

RESEARCH FELLOW (HEALTH TECHNOLOGY ASSESSMENT SPECIALIST) - CENTER FOR EPIDEMIOLOGICAL MODELLING AND ANALYSIS – AD/5/21/2025, 2 POSTS

The Position Description

The Center for Epidemiological Modelling and Analysis (CEMA) at the University of Nairobi is looking to appoint a **Research Fellow (Health Technology Assessment Specialist)**, with passion and skills in health economics, epidemiology and their application in health technology assessments.

The role for this position is to evaluate the effectiveness, cost-effectiveness, safety, and overall value of health technologies, interventions, and medical procedures to help policymakers, healthcare providers, and organizations make informed decisions about which health technologies to adopt, reimburse, or prioritize for public health use.

About CEMA

CEMA is a Center of Excellence at the University of Nairobi bringing together a multidisciplinary consortium of epidemiologists, infectious disease specialists, medical and veterinary health professionals and clinicians, mathematicians, statisticians, computer scientists, software engineers, economists, and data scientists to harness data-driven approaches for controlling infectious diseases and advancing public health in Kenya and across Africa.

Established in 2020, CEMA's work has guided responses to the COVID-19 pandemic and other disease outbreaks and health crises, advanced the control and elimination of neglected tropical diseases across African countries, provided insights to optimize health programs and improve health outcomes, and provided training in quantitative skills to analyze health data and address critical public health challenges in Africa. CEMA is supported by multiple funding agencies including the Gates Foundation, Coalition for Epidemic Preparedness Innovations, the Wellcome Trust, among others.

Duty Station: Center for Epidemiological Modelling and Analysis, located at the University of Nairobi Institute of Tropical and Infectious Diseases, Nairobi, Kenya.

Reporting to: CEMA Co-Directors

Position Responsibilities

- Develop economic models to predict the short- and long-term costs and benefits of a health technology
- Assess the financial impact of introducing a new technology or intervention into a healthcare system

- Work with public health professionals and other stakeholders to gather input on the real-world use and impact of technologies in health practices
- Conduct systematic reviews of scientific literature to assess the disease burden, determine clinical effectiveness and safety of health technologies
- Conduct epidemiological and costing analysis for health interventions and technologies
- Analyze the cost-effectiveness of health technologies by comparing the cost of an intervention relative to its health outcomes
- Support training and mentoring of healthcare professionals, researchers, and policymakers in the principles of HTA and its application in health decision-making

Position Requirements

- i. A Bachelor of Bachelor of Pharmacy, Epidemiology, Public Health or Statistics degree or related field
- ii. Masters in Epidemiology or Health Economics
- iii. A PhD degree with a focus on Health Technology Assessment (completed or near completion)
- iv. At least 5 years' experience in roles that evaluate the cost-effectiveness of health technologies
- v. Demonstrated understanding of how healthcare systems operate, including budgeting, reimbursement, and health policy
- vi. Experience in writing scientific grants and peer reviewed manuscripts
- vii. Proficiency in data analysis, economic modeling, and statistical methods
- viii. Strong written and verbal communication skills
- ix. Experience with healthcare data
- x. Experience with Health Technology Assessment
- xi. Ability to work in a team environment
- xii. Strong analytical and organizational skills

Terms of Appointment

The appointment will be for one (1) year contract, renewable subject to performance and availability of funds. The successful candidate will enjoy a competitive salary based on their qualifications and experience. In addition to a fulfilling and challenging role, they will receive a comprehensive benefits package, including health insurance, leave allowance, and opportunities for professional development.

NOTES

1. Applicants should email their application letters, certified copies of certificates and curriculum vitae (CV) giving details of their qualifications, experience and three (3) referees, as well as indicating their telephone and e-mail contacts.
2. Applications and related documents should addressed to the Director, Human Resource, University of Nairobi.
3. Applicants should state their current designations, salaries and other benefits attached to those designations.
4. The application letter must bear the reference code indicated in the advertisement.
5. Late applications will not be considered.
6. Applications should be emailed as one file in PDF to:
recruit-ResearchfellowHTAS@uonbi.ac.ke

CLOSING DATE: JUNE 4, 2025

**THE UNIVERSITY OF NAIROBI IS AN EQUAL OPPORTUNITY EMPLOYER
ONLY SHORTLISTED APPLICANTS WILL BE CONTACTED**