

Health Economist (“Consultant”)

Location: Remote

Duration of Contract: 1st June – 31st August, 2023

About Neopenda

Neopenda, PBC is a medical device startup creating life-saving solutions to improve health in emerging markets. The company was founded in 2015 by two biomedical engineering graduate students at Columbia University, and is based in Chicago, IL, USA. Neopenda’s first product, neoGuard™, is a 4-in-1 wearable vital signs monitor for newborns in low-resource health facilities that are overcrowded, understaffed and under-equipped. The device continuously measures vital signs and displays real-time data on a central monitoring tablet, so a nurse can see the status of their patients and be alerted when one needs their attention.

Position Overview

We are looking for an experienced Health Economist (“Consultant”) with strong research skills, high attention to detail and academic rigor to support economic evaluation of the neoGuard™ wearable wireless vital signs monitor. The Consultant will provide technical expertise on health intervention costing and collaborate closely with the research team at Neopenda and its implementing partner, Moi Teaching and Referral Hospital (MTRH) in Eldoret, Kenya, to examine evidence on the potential clinical benefits and cost-effectiveness of the neoGuard™ technology. This project is part of a 15-month impact study supported by Grand Challenges Africa.

Scope of Work/Responsibilities

- Undertake a detailed literature review to inform appropriate methods for cost-effectiveness analysis
- Review and make necessary modifications to Neopenda’s proposed cost analysis strategy
- Support the research team to perform analysis of health outcomes of the research intervention and estimate the cost-effectiveness/value for money of the neoGuard™ technology
- Communicate health economic assessment results to the appropriate internal audiences
- Collaborate with the research team to co-author a peer-reviewed manuscript on the cost-effectiveness component of the project
- Participate in weekly study update calls
- Any other technical support required for the health economics aspect of the study

Deliverables

- Submit a revised version of the cost-effectiveness analysis plan upon review.
- Develop a written strategy of how data will be collated and analyzed, specifying the required data and source based on study objectives and instruments.
- Share findings from the cost-effectiveness analysis in form of a narrative report. The report should outline all the steps carried out to collate data and perform the analysis, mentioning all the assumptions and models used, with justification for each decision taken while performing the analysis. The report should also outline any relevant challenges, limitations and strengths.
- A first and subsequent draft manuscript generated alongside the research team will be submitted to a peer-reviewed journal for publication.

Qualifications

- Bachelor’s degree in statistics, economics or a health-related field
- Advanced degree (preferably a PhD) in health economics

Desired Skills and Experience

- At least 5 years of relevant research experience involving health innovations or programs in sub-Saharan Africa
- Proficient knowledge in health economic evaluation models and a record of peer-reviewed publications
- Proficiency with analytical software and data visualization tools, like R, STATA and Tableau
- Excellent communicator and collaborator in a small team
- Strong technical writing and presentation skills

How to apply

If you are interested in this position, please submit a cover letter including your expected remuneration, CV and a list of previous consultancies relevant to health economic evaluations to careers@neopenda.com. Applications will be reviewed on a rolling basis until the position is filled.