

Consultancy: Data for Quality Improvement

Data for Quality Improvement in Neotree

1. Brief Introduction to Neotree & the opportunity

- **About Neotree:** Neotree is dedicated to ending preventable neonatal mortality in low-resource settings. Our innovative digital health platform supports healthcare workers in making critical decisions and providing high-quality care for newborns, particularly in the crucial first 28 days of life. Neotree is a collaboration between the UK charity, our partners in Malawi and Zimbabwe, and our academic partner University College London.
- **The Opportunity:** We are seeking a passionate and skilled consultant to significantly enhance our quality improvement efforts. This role is crucial for leveraging the rich data collected through our platform to identify trends, measure impact, and inform strategic improvements in neonatal care delivery in collaboration with Ministries of Health (MoH). The role will be line managed by the Operations Director, but will report to the Neotree Senior Team, comprising Neotree Charity, UCL, local delivery partners and local principal Investigators.

2. The Role: What You'll Do and Deliver

- **Conduct and produce a non-systematic review of available literature** on the use of digitally generated neonatal data for decision making, in similar settings to those Neotree works in.
- **Review, evaluate and document Neotree's current approach to Data for Quality Improvement:** Working with charity leads, UCL colleagues and in-country partners, conduct an analysis of the current approach, its strengths and weaknesses, and priorities for development.
- **Explore through workshops with key stakeholders how Neotree could be deployed to maximise data for action.**
- **Triangulating evidence and feedback to provide a proposal for Data for QI in our sites:** Propose how Neotree data can be best deployed to encourage, support and trigger quality improvement in our sites in Zimbabwe and Malawi in partnership with MoH. This should include a costed delivery plan.
- **Proposed Approach for Data for monitoring implementation success:** In line with Neotree's growth strategy, develop an approach for site surveillance, triggers for intervention, and how Neotree data can be used on an ongoing basis to ensure sustained implementation.
- **Capacity Building:** Develop feasible and appropriate training and capacity building materials for Neotree staff and local healthcare teams on data literacy and data utilisation for QI.

Neotree exists to eradicate preventable newborn mortality,
by putting the lifesaving power of technology
into the hands of doctors and nurses in low-income countries



- The project, approach, and products must be tailored to fit the specific needs of Neotree, and within the specific settings we work in.

Practical Information

- **Location:** Location is flexible although occasional travel to project sites in Malawi and Zimbabwe will be required within the proposal
- **Start date/ duration:** This consultancy will ideally start in August 2025 should be complete by the end of February 2026.
- **Reporting:** To Neotree Operations Director and UCL Neotree PI, Michelle Heys
- **Contracting:** The consultant will be employed/contracted with the most appropriate Neotree partner depending on location i.e. Neotree Charity, UCL, or partners in Malawi or Zimbabwe

3. What We're Looking For: Consultant Profile

- **Essential Skills & Experience:**
 - Significant experience in data analysis, business intelligence, or monitoring and evaluation, preferably within the public health or international development sector;
 - Proven expertise in statistical analysis, data cleaning, and data visualization tools (e.g., Python/R, SQL, Tableau, Power BI, Advanced Excel);
 - Demonstrable experience in applying data insights to drive QI initiatives, ideally in healthcare settings;
 - Experience working in low-resource contexts, such as sub-Saharan Africa, ideally in Zimbabwe and/or Malawi;
 - Experience of working with QI methodologies;
 - Strong understanding of public health principles, epidemiology, or maternal/child health;
 - Excellent report writing and presentation skills, with the ability to communicate complex data findings to non-technical audiences;
 - Master's degree in Data Science, Statistics, Public Health, Epidemiology, Computer Science, or a related field.

4. What Neotree Programme Offers

- **Key Information:**
 - **Impact:** The opportunity to directly contribute to saving newborn lives and improving health outcomes in vulnerable communities.

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- **Mission-Driven Work:** Be part of a passionate, innovative team dedicated to a vital social mission.
- **Compensation:** Competitive daily/project rate commensurate with experience and expertise. Contract will be with the most appropriate Neotree partner to your application.

5. How to Apply

- **Key Information:**
 - Interested candidates should provide a costed proposal, alongside a comprehensive CV and completed Equal Opportunities Monitoring Form.
 - The total, all inclusive, budget for the consultancy is c£40,000 - £50,000
 - Email applications to recruitment@neotree.org. Please include 'Data for QI Consultant Application' in the subject line.
 - **Application Deadline:** Applications will be reviewed on a rolling basis, with a final deadline of 31st July 2025
 - **Next Steps:** Only shortlisted candidates will be contacted for an interview, which may include a technical assessment.

Equal opportunities

Neotree values diversity and is committed to equal opportunities. All applicants for employment will receive equal treatment without discrimination on grounds of gender, race, ethnic or national origins, disability, gender identity or sexual orientation, or any other grounds. We are particularly interested in receiving applications from candidates from minority ethnic backgrounds, and the low-resource settings in which we work, to ensure we have a well-balanced and widely representative staff base.