

**Terms of reference (ToR) – Data Analyst (short-term contract), Coverage Evaluation Surveys for
Neglected Tropical Diseases**

Job Title:	Data Analyst (Short-Term Contract)
Reporting to:	Research and Innovation Advisor: Biostatistics and Deputy Director, Evidence and Technical
Contract:	Fixed-Term – 2-month contract
Hours:	Full-time
Location:	Flexible / Remote
Purpose:	Analysis of Coverage Evaluation Surveys for Neglected Tropical Diseases

Background

Unlimit Health is an international organisation working to end parasitic disease. We work closely with affected countries, sharing evidence and expertise to eliminate preventable infections. Our purpose is to support people to live healthy lives, free from limiting disease.

Our vision is for resilient systems that sustain good health, so everyone everywhere can reach their full potential. We achieve this by working across multiple sectors in numerous countries to deliver effective and robust health programmes that have a lasting impact.

We were founded in 2002 with a £20m grant from the Bill & Melinda Gates Foundation, and started life as a research group, the Schistosomiasis Control Initiative, within Imperial College London. Consistently ranked globally as one of the most cost-effective nonprofit initiatives, we have received significant funding since our inception including from the UK Department of International Development (DFID), USAID and philanthropic investors.

Our work includes:

- Evidence-based disease elimination support
- Cross-sectoral health systems strengthening
- Building collaborative partnerships

Our main area of focus is the elimination of schistosomiasis and soil-transmitted helminthiases (intestinal worms). Endemic infections of these parasitic worms are found in some of the world's most marginalised communities, and they can have a hugely detrimental effect on individuals, including:

- Reduced productivity



- Internal organ damage
- Impaired child development
- Reduced school attendance
- Increased risk of HIV in women
- Infertility

As part of this technical support to country programme partners, Unlimit Health provides support for data quality assurance, programme performance assessment and treatment coverage validation. For the latter, Coverage Evaluation Surveys (CES) are conducted using standardised cluster survey methodologies to independently estimate treatment coverage, verify reported administrative coverage, and assess whether programme targets have been met at implementation unit level. These surveys generate statistically representative estimates that inform decisions related to mop-up activities, remedial distribution, supervision, microplanning, and future treatment strategies.

Unlimit Health is seeking a Data Analyst (short-term consultancy) to review, clean, validate, and analyse CES datasets from multiple countries and produce technical reports for Ministries of Health. The analyst will ensure high-quality data, generate reliable coverage estimates, and present findings in clear, actionable reports to support programme planning and decision-making for NTD interventions.

2. Objective of the Assignment

The objective of this assignment is to analyse multi-country CES datasets and generate high-quality analytical outputs and technical reports to support programme evaluation and decision-making.

Specifically, the consultant will:

- Review, clean and validate multi-country CES datasets for schistosomiasis (SCH) and soil-transmitted helminths (STH) (four survey datasets in total)
- Conduct statistical analysis to estimate treatment coverage and other key programme indicators (as indicated by Unlimit Health)
- Generate clear, accurate, and actionable analytical outputs
- Generate technical report and visualisations to communicate findings to national programme staff and various stakeholders (as indicated by Unlimit Health)

3. Scope of Work

Under the supervision of the Research and Innovation Advisor: Biostatistics and Deputy Director, Evidence and Technical, the Data Analyst will be responsible for the following tasks:

3.1 Data Review and Cleaning

- Review and clean multi-country CES datasets for SCH and STH.



- Standardise variables and coding to align with the Unlimit Health data dictionary.
- Ensure completeness, consistency, and accuracy of datasets, identifying and resolving data anomalies or errors.
- Document all cleaning and validation steps to maintain reproducibility and transparency.

3.2 Analysis

- Conduct statistical analysis of key survey indicators following UH standard operating procedures.
- Generate comprehensive outputs, including tables, charts, and summary statistics, to clearly communicate treatment coverage and other programme indicators.
- Apply appropriate statistical methods to account for survey design, ensuring results are robust and interpretable.
- Document analytical procedures and R code to support reproducibility and review.

3.3 Interpretation of Findings

- Assess programme performance against coverage targets and operational goals.
- Identify gaps, trends, or inconsistencies that may affect programme outcomes.
- Translate analytical results into actionable insights, highlighting implications for follow-up activities or programme adjustments.
- Collaborate with the UH team to ensure interpretations align with programme context and operational realities.

3.4 Report Production

- Develop a comprehensive technical report for each survey (PowerPoint format) including:
 - Background and survey methodology
 - Key findings presented in tables, charts, and figures
 - Interpretation of results in the context of programme objectives
 - Clear conclusions and actionable recommendations for Ministries of Health and other stakeholders
- Ensure reports are clear, concise, and visually structured to facilitate decision-making.

4. Deliverables

The consultant will submit the following deliverables:

1. Cleaned and documented datasets for each country survey
 2. Statistical analysis outputs (tables, charts, and datasets)
 3. Annotated analysis code (R software)
 4. Final technical reports for each country survey (Powerpoint format)
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5. Duration of Assignment and Milestones

The assignment is expected to last approximately 8 (eight) weeks from contract signature. A detailed timeline will be agreed upon at inception, including milestones for draft and final deliverables. ☒

6. Required Qualifications and Experience

The Data Analyst should meet the following criteria:

- Advanced degree in Statistics, Epidemiology, Public Health, Biostatistics, or related field.
 - Experience working with complex survey designs (cluster sampling, weighting).
 - Experience with Coverage Evaluation Surveys or mass drug administration (MDA) data strongly preferred.
 - Proficiency in R statistical software.
 - Strong analytical writing skills.
 - Excellent written and verbal communication skills in English; working knowledge of French desirable.
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7. Reporting and supervision

The Data Analyst will report to the Research and Innovation Advisor: Biostatistics and Deputy Director, Evidence and Technical. Regular check-ins will be scheduled to review progress, clarify analytical approaches, and validate interim findings. ☒

8. Application Requirements

Interested candidates should submit the following documentation and response to screening questions to WorkNest (recruitment support on behalf of Unlimit Health) via our online portal **by April 6th 2026**:

- A curriculum vitae
- A cover letter outlining relevant experience
- Proposed daily or lump-sum professional fee