

Zambia Hub 2024
Job description – On-site summer attachment
Applications Due Wednesday, February 14, 2024

1. Position title:

Mixed Methods Data Analysis Intern for Piloting Integration, Knowledge, and Acceptability of Baby Ultrasounds (PIKABU) Study

2. Number of positions: 1

3. Location/Work Modality: Lusaka, Zambia (In-Person)

4. Funding: \$4,000 travel award

5. Supervisor(s): Benjamin Chi (Preceptor), Erika Gazzetta (Secondary Mentor)

6. Short project description: PIKABU is an implementation science project that evaluates the integration of portable obstetric ultrasound services into routine antenatal care for pregnant women in 7 clinics across 3 Zambian districts. The evaluation aims to provide insight into the feasibility, fidelity, and acceptability of such a program to inform the Government of Zambia's roll-out of such services at scale. Mixed-methods data will be collected at the patient, clinic, and aggregate level to determine these programmatic and implementation outcomes.

7. Roles and responsibilities of student:

- a. Support the development of a baseline data analysis plan
- b. Perform quantitative data cleaning
- c. Conduct descriptive statistical analyses using Stata, SAS, or R
- d. Code English-language transcripts using qualitative analysis software
- e. Maintain documentation of datasets and analyses
- f. Write an analysis report with baseline findings
- g. Attend biweekly PIKABU team meetings to present results and progress

8. Possible Work Products:

- a. Analysis plan
- b. Brief biweekly presentations on statistical results to non-stats team to ensure accurate interpretation and data-driven decision-making
- c. Report summarizing baseline findings

9. Skills and experience required:

- a. Current MPH student with interests in maternal child health, health systems, health policy, or implementation research
- b. Proficiency with both qualitative and quantitative analysis software (Stata or similar, statistical program, Dedoose, NVivo or ATLAS.ti)
- c. Coursework in quantitative methods, including regression analysis
- d. Must be organized, self-motivated, and able to work independently

10. Duration (minimum 8 weeks): 8-12 weeks (320-480 hours)

11. CEPH Competencies

- a. MPH01: Apply epidemiological methods to the breadth of settings and situations in public health practice.
- b. MPH03: Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate.
- c. MPH04: Interpret results of data analysis for public health research, policy or practice.
- d. MPH08: Apply awareness of cultural values and practices to the design or implementation of public health policies or programs.
- e. MPH18: Select communication strategies for different audiences and sectors.
- f. MPH19: Communicate audience-appropriate public health content, both in writing and through oral presentation.

12. How to apply

If you are applying to multiple positions, please do not apply until you have ALL cover letters written and ready to upload for each position.

All application materials (application form and faculty evaluation) are due Wednesday, February 14, 2024.

1. Fill-out the [online application form](#) and upload the materials below to the form:
 - o Cover letter for *each position* you are applying (*If applying to multiple positions in the Zambia Hub, please write a cover letter for each position*)
 - o CV/Resume (*If applying to multiple positions, only upload it once*)
2. Faculty Evaluation: Please identify a UNC Gillings faculty member who is able to evaluate you on the specific skills listed in the position description(s) you are applying for. Please tell the faculty member which position(s) you are applying for. *If applying to multiple positions, the faculty member only needs to complete one evaluation form (they will evaluate you for all your positions on one form).*
Send the Faculty Evaluation Form link to the faculty member:
https://unc.az1.qualtrics.com/jfe/form/SV_e3AaoOn8aIN6h94