Position title: Developing new algorithms to improve birth outcomes fellow

Number of positions: 1

Short project description: Limiting Adverse Outcomes in Resource Limited Settings (LABOR) is a multinational observational cohort study of 15,000 pregnant women and their fetuses/newborns. The primary objective of this study is to exhaustively document the labor, delivery, and early postpartum course of 15,000 mother-newborn pairs in settings where the occurrence of adverse birth outcomes is high. We gather detailed laboratory, physiologic, and clinical information, and precisely characterize major adverse diagnoses and outcomes. The resulting high-quality, granular, and generalizable data will be used to develop new algorithms to signal actionable intrapartum diagnoses and prospectively stratify women according to their risk for adverse maternal and neonatal outcomes.

Roles and responsibilities of student:
- Assist the investigators with ensuring complete and accurate intrapartum data collection. The student will work with investigators in Lusaka and Chapel Hill to resolve data quality queries for the LABOR Zambia site through review of study source documents (medical chart and study case report forms)
- Summarize frequently occurring data collection errors and assist with developing approaches to improve data quality
- Assist with training research staff on strategies for improving data quality
- Data cleaning
- Specific responsibilities will be determined by study needs

Expected outputs:
- Resolved data queries on antibiotic use, hypertensive diagnoses and management, and estimated blood loss
- PowerPoint slides summarizing data quality and sources of data collection errors

Skills and experience required:
- Current MD or MPH student with interests in obstetrics or global maternal and child health
- Proficient in Excel
- Must be organized, detail-oriented, self-motivated, and able to work independently

Supervisor: Dr. Bridget Spelke (please note that the in-country supervisor may be out of the country for several weeks in July or August)
Minimum duration: 8 weeks. If travel restrictions allow, there would likely be an opportunity for working in Zambia.

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.*

1. Fill-out the online application form and upload the materials below to the form:
   - Cover letter for each position you are applying (*If applying to multiple positions, please write a cover letter for each position*)
   - 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_6DztLU8azN6rQkB](https://unc.az1.qualtrics.com/jfe/form/SV_6DztLU8azN6rQkB)

Questions?

Please contact Naya Villarreal, MPH, Global Health Associate Director at [naya@unc.edu](mailto:naya@unc.edu).