

## **Student Research Assistant – Mental Health for All Lab Quantitative Data Analyst**

### **Summary:**

The [Mental Health For All Lab](#) promotes the generation of knowledge and its effective utilization with the goal of contributing to the reduction of the global burden of suffering of mental health problems through digital technology and task-sharing scale up interventions. The Mental Health for all Lab is based out of Harvard Medical School's Department of Global Health and Social Medicine and led by Professor Vikram Patel and co-led by Dr. John Naslund.

The Student Research Assistant will be responsible for performing quantitative data analysis for a variety of research projects in the Mental Health for All Lab. The individual will report directly to the faculty supervisor and project leads who will provide general instructions, set work priorities, and provide oversight of tasks specific to the needs of each research project. The Student Research Assistant will also work closely on day-to-day activities with the Lab Coordinator and receive statistical mentorship from DGHSM faculty member Dr. Bethany Hedt-Gauthier. As a member of the [Mental Health For All Lab](#) the Student Research Assistant will be invited to join monthly lab meetings and collaborate with other lab members. Students looking to complete a practicum, receive academic credit or complete an independent study using this work are encouraged to apply.

### **Primary Responsibilities**

- Data management, including dataset cleaning, preparation of analytic datasets and detection of outliers and potential data quality issues
- Design and conduct of statistical analyses both more basic and complex, in consultation with the investigators.
- Comfort using a variety of statistical approaches including the application of regression models (linear, logistic, cox), regression methods for clustered and repeated measures data, and factor analysis
- Performing sample size and power calculations when designing new studies
- Visualization, interpretation, and presentation of study data and analyses results; output may include tables, charts, plots, and histograms for group meetings, scientific publications, and possibly scientific presentations
- Opportunities for co-authorship as well as lead authorship on presentations or manuscripts
- Analyzing pilot data, and creating exhibits or short sections of text that summarize statistical methods used and results to support grant applications for new projects
- Careful documentation of all programming, data management, and decision steps, which will serve as a technical appendix to project deliverables and ensure the reproducibility of any scientific finding

### **Qualifications/Requirements:**

- Currently enrolled as a student in one of Harvard's graduate programs or an undergraduate student at Harvard College
- Concentrating in statistics, biostatistics, epidemiology, applied mathematics, computer science, or previous experience taking advanced statistical coursework
- Available for 10-15 hours a week
- Statistical programming experience using STATA - or similar programming on large, complex data sets using mixed methods
- Demonstrated analytical skills and experience problem solving effectively
- Strong database management and computer skills
- Interest in mental health, psychology, public health, health services, or implementation science highly encouraged
- Applied experience with research in an academic or medical setting
- Strong interpersonal skills with excellent written communication ability and statistical reporting
- Detail-oriented, organized, and excellent time management skills
- Ability to work independently and be self-directed

### **How to Apply**

- Please send your CV, cover letter, and the name and email of one reference with the subject **Mental Health for all Lab Quantitative Data Analysis** to [patel\\_assistant@hms.harvard.edu](mailto:patel_assistant@hms.harvard.edu)  
Include in your cover letter how many hours a week you will be able to commit.

### **Compensation**

- Graduate students \$20/hr for maximum 15 hours a week (can be more in June-Aug if available)
- Undergraduate students \$18/hr for maximum 15 hours a week (can be more in June-Aug if available)

**Start date:** April 1<sup>st</sup> 2022 (or sooner)

**End date:** August 31<sup>st</sup> 2022, with possibility of extension based on interest and performance