CASUAL OPPORTUNITY
DALLA LANA SCHOOL OF PUBLIC HEALTH, UNIVERSITY OF TORONTO

Date of Posting: January 8, 2025

Hours of Work: Part-time, variable
Hourly Rate: $24-35/hour
Length of contract: 6 months
EXPECTED NUMBER OF WORK HOURS PER WEEK: VARIABLE

JOB DESCRIPTION:
Prof. Kevin Thorpe, Associate Professor of Biostatistics in the Dalla Lana School of Public Health is seeking a Research Assistant to join the BETTER Women Study team as a data analyst/statistician to join the research team to support the statistical analysis of the BETTER Women Study.

About the BETTER Women Study:

We are seeking a highly motivated and skilled Graduate Student Statistician to support the statistical analysis of the BETTER Women study, a pragmatic wait-list controlled effectiveness-implementation trial focused on community-based peer health coaching. The successful candidate will be responsible for conducting complex statistical analyses, including primary, secondary, and subgroup analyses, and handling missing data. This role provides an excellent opportunity for hands-on experience in clinical trials, health services research, and real-world data analysis.

Position Overview:

The successful candidate will be responsible for performing statistical analyses for the study's 6-month and 12-month follow-up data, including primary, secondary, and exploratory outcomes. This role will involve data management, analysis, interpretation, and assisting in the preparation of results for dissemination.

SUMMARY OF DUTIES
Key Responsibilities:

1. Data Management: Clean, organize, and prepare data for analysis, including handling patient survey data, electronic medical record (EMR) data, and administrative data from the NexJ Connected Wellness platform and integrate it with other study data sources.

2. Analysis:

    - Analysis of binary outcomes (absolute/relative treatment effect estimates and confidence intervals, unadjusted analyses and adjusted analyses by logistic regression).

    - Analysis of continuous outcomes (treatment effect estimates and confidence intervals, unadjusted analyses and adjusted analyses by linear regression).

    - Analysis of ordinal outcomes.

- Missing data (inverse probability weighting for outcomes and multiple imputation for covariates).

3. Reporting and Interpretation:

- Prepare detailed statistical analysis reports, including visualizations and summaries of findings
- Assist in the interpretation of results for presentation to the study team and for inclusion in manuscripts for peer-reviewed journals
- Collaborate with the research team to ensure statistical analyses align with the study's objectives and best practices
- Contribute to the drafting of manuscripts, reports, and presentations for publication and dissemination of study results

QUALIFICATIONS:

- Experience with statistical software such as R (preferred), SAS, or STATA.
- Knowledge of data management practices and familiarity with handling large datasets and REDCap exports.
- Good knowledge of regression models (logistic, linear, ordinal) and missing data approaches.
- Ability to work independently and as part of a multidisciplinary research team.
- Strong analytical thinking, problem-solving skills, and attention to detail.
- Excellent written and verbal communication skills for preparing reports and explaining results to non-statistical audiences.
- Knowledge of clinical research, health behavior research, understanding of health outcome measures, clinical trial design, and the analysis of randomized controlled trials is an asset.
- Experience working with data from electronic medical records (EMR) or administrative health databases is an asset.
- Familiarity with health economic evaluation and cost-effectiveness analysis is an asset.

SUBMISSION OF APPLICATION

Please submit a one-page cover letter and Curriculum Vitae by email to Prof. Thorpe (kevin.thorpe@utoronto.ca). Only those selected for an interview will be contacted.

Closing date: January 31, 2025