Westside Regional Center is seeking a Statistician Consultant.

Posting Date: August 28, 2024
Closing Date: September 20, 2024

Agency Description
Westside Regional Center (WRC) is a state-funded, private, non-profit agency dedicated to serving individuals with developmental disabilities in Western Los Angeles County. WRC offers service coordination, health education, and provision of resources and support to people with developmental disabilities (e.g., intellectual disability, autism, cerebral palsy, epilepsy).

Summary of Project
WRC has received a grant funding to improve substance use disorder services for individuals with intellectual/developmental disabilities and mental health concerns (also known as dual diagnosis). In partnership with Frank D. Lanterman Regional Center, we have been developing: (1) an E-learning Certification Program to increase the capacity of providers working with individuals with dual diagnosis, and (2) a Peer Mentoring Program to facilitate substance recovery, social connections, as well as links to local recovery groups. WRC is seeking a **Statistician Consultant** to design and conduct rigorous statistical analyses to assess the effectiveness of the E-learning Certification and Peer Mentoring Programs, identify areas of improvement, and inform future program development and grant initiatives.

Scope of Work
The consulting statistician will be responsible for the following:

- **Statistical Analysis:**
  - Develop appropriate statistical models to address the complexity of the programs, including staggered intervention starts, missing/incomplete values, and potential biases in tailored interventions.
  - Utilize advanced statistical methods to analyze program data, including but not limited to:
    - Causal inference methods (e.g., difference-in-differences, propensity score matching)
    - Time series analysis
    - Survival analysis
    - Hierarchical modeling
  - Employ appropriate statistical software packages for data management and analysis.
  - Provide clear and concise interpretation of statistical findings.

- **Collaboration:**
    - Collaborate with program staff to understand program goals, data collection processes, and evaluation needs.
    - Participate in regular project meetings and provide updates on progress.
    - Assist in designing comprehensive evaluation methodologies for the Peer Mentoring and E-Certification programs.
    - Prepare comprehensive summaries of findings through effective data visualization for lay audience.

Qualifications

The successful candidate must possess the following qualifications:

- Advanced degree in statistics, biostatistics, or a related field.
- Proven experience in program evaluation, with a focus on social or educational programs.
- Expertise in statistical methods for analyzing staggered intervention starts, biases in tailored interventions, and training program evaluation.
- Strong programming skills in statistical software packages (e.g., R, SAS, SPSS, Stata) and access to those packages for data management and analysis.
- Excellent data management and analysis skills.
- Excellent written and verbal communication skills.
- Ability to work independently and as part of a team.

Additional Considerations

- **PhD Student:** We are open to considering a PhD student in the advanced stages of their studies who possesses strong programming skills and access to statistical software.
- **Data Access:** The selected candidate or consulting service will have access to relevant program data for analysis purposes. Data confidentiality and security will be addressed through a data use agreement.

This is a remote, hourly ($45/hour; up to 139 hours) contracted position with flexible hours and secured two-year funding from the Mental Health Services Act grant in partnership with the California Department of Developmental Services.

Submissions

For consideration, please email a cover letter (include description of candidate's experience in program evaluation and statistical analysis, as well as examples of previous work on similar projects including example of code written or analysis) and resume to Aga Spatzier, MPH, Wellness Manager at agas@westsiderc.org by **September 20, 2024.** Please call Aga (310 258 4254) if you have any questions.