Cure Violence Global®
Position Description

Position Title: Data Specialist
Location: Hybrid or remote
Reports To: Project Director
Position Type: Full-time

Organization Overview

Cure Violence Global® (CVG) is a nonprofit organization whose mission is to reduce violence globally using evidence-based public health and disease control methods. CVG delivers in-depth training and technical assistance (TTA) on its proprietary Cure Violence public health approach to violence reduction to jurisdictions and local community-based organizations. CVG's approach is grounded in an understanding that violence follows a contagious process: it clusters and spreads geographically, is transmitted through exposure, and is perpetuated and reinforced through social norms. The CVG model therefore focuses on 1) detection/interruption; 2) behavior change; 3) shifting community norms.

CVG's TTA approach calls for the identification of and collaboration with local partner organizations that have the capacity, credibility, and desire to operate a local program, with CVG providing start-up training, ongoing technical assistance, a peer learning network, and process and outcome evaluation to ensure program fidelity and maximal impact. Currently, CVG is working with more than 50 communities in the U.S. and in 10 other countries.

CVG is an equal opportunity employer and welcomes applicants of all races, ethnicities, religions, genders, gender identities, and sexual orientations.

Position Summary

The Data Specialist will use a blend of computer science, problem solving, and data management techniques to visualize the data Cure Violence collects for over 35 program sites. In this position, the specialist will generate monthly reports, program Python scripts, and perform statistical analysis on complex, multi-variate datasets

Essential Functions

- Clean, audit, and organize data for official data evaluations of the program sites by the city.
- Automate trends in data indicated by CVG staff and determine outcomes of the CVG approach through computer science techniques.
- Attend staff meetings, trainings, or site visits to help assist programs team in implementation.
- Generate monthly reports each month for over 35 program sites.
- Work closely with CVG team to generate any additional reports.
- Demonstrate skill and experience using Tableau visualizations.
- Use Computer Science to Program/Analyze datasets (Python).
- Perform statistical analysis on datasets to determine effect.
- Assist CVG Executives with assessments of city-wide violence.
- Audit data management systems to ensure capacity and good flow.
- Automate data management processes each month through scripts
- Conduct in-person or virtual database trainings for staff members.
- Perform program site visits to gauge technological infrastructure.
- Travel to program sites to conduct CVG database training as needed.

Qualifications and Skills

- Contextual Understanding of Violence Interruption as a Method/Approach
- Understand CVG approach metrics and relevance to program success
- Conduct training in real-world classroom environments covering technological aspects of data collection.
- Data Processing – Quality Assurance and Control
    a. Extract and prepare tabular datasets from CommCare to gauge CVG metrics
- Applying Software: MS Office Packages, Tableau, SQL, Python, and C+/Java for Web Application Functions
    a. Pipeline program site data extractions from CommCare into deliverable contents
    b. Automate monthly reporting
- Data Analytics: Descriptive Statistics, Predictive/Inferential Statistics, Bayesian statistics and modeling, Logistics Regression modeling, Time-Series, and Longitudinal vs Cross-Sectional Studies
- Data Visualizations; Representations of people and their story/life. Understandable and simple, without basic knowledge of statistics. Know the audience through:
    a. Tailored Dashboards
    b. Project/Program Expansion Inquires
    c. GIS Insights to mapping CVG and Official City Data over Maps/Space
- Organizational skills for NPO correspondence, Task Priority, Increasing user accessibility and system feedback.
- Basic IT aid for training setups and technical issues for the virtual workspace
- Interpersonal skills to relate to various minorities, project empathy and understanding, offering support, tools, resources, and examples.

- Communication skills – Quickly and concisely delivering information related to the database or anything data driven. Conduct Trainings with brief but clear instructions, providing on-going support.
- Advanced problem-solving
    a. Knowing Where an issue arises: Web Application Functions>Data Forms/Cases>User Inputs>Data Extraction>Reports
    b. Critical Solutions Processing for timely adjustments and alterations
- Scientific Modeling and Intuition
    a. Contextualizing CVG metrics and their relationships to the success of CVI on the area(s)
    b. Understanding relationships and relevance for the data in which each site produces
    c. Mathematical Insights on calculations to leverage the type and extent of the data collected by each site

Salary and Benefits

Competitive/commensurate with experience and other qualifications. Competitive benefits package available.

Disclaimer

This job description reflects the general nature and level of work anticipated in this position. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities and qualifications required of employees assigned to this job. Nothing restricts management's right to assign or reassign duties and responsibilities to this job at any time.

Please submit cover letter and resume to:
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