

## Data Specialist, Trauma Center (Part Time, Temporary)

### Who We Are:

By 2050, the global urban population will nearly double to 6.4 billion. This unprecedented growth in the global urban population creates incredible opportunities but also intensifies the most difficult problems cities face, such as concentrated poverty, crime, poor-quality schooling, and pollution. The University of Chicago founded Urban Labs to help address these challenges.

Urban Labs is a set of highly synergistic labs focused on undertaking inquiry and having impact on five essential dimensions of urban life: *crime, education, health, poverty, and energy & environment*.

Urban Labs partners with cities to identify and rigorously evaluate the policies and programs with the greatest potential to improve human lives at scale. Urban Labs' evidence-based approach gives policymakers and practitioners the knowledge they need to effectively achieve the greatest social good per dollar spent.

In sum, UChicago Urban Labs:

- Identifies promising solutions to urban challenges
- Tests the most promising urban policies and programs
- Scales-up the most effective and cost-efficient policies and programs

For more information about the UChicago Urban Labs, go to <http://urbanlabs.uchicago.edu/>

### Role:

The University of Chicago Health Lab is seeking a Data Specialist to assist in a joint project with the University of Chicago Medical Center. The University of Chicago Medicine is in the process of building a Level 1 Adult Trauma Center, which will receive its first patients in spring of 2018. We envision a center that will set the standard of excellence for trauma medicine, including expert trauma care within the emergency department, world-class medical and surgical services, post-trauma rehabilitation, as well as innovative programming to prevent violence and reduce recidivism.

Expert medical response to trauma is a necessity on Chicago's South Side, but simply a baseline expectation for our Trauma Center. Beyond medical care, we aspire to reduce the number of trauma patients that leave our care only to experience a second episode of intentional violence. We have a critical opportunity to *prevent* violence occasioned by a myriad of social and economic forces.

With distinctive intellectual resources that span medicine, social sciences, public policy, and more, the University of Chicago has the opportunity to look at urban violence with a

multifaceted research perspective, and to develop and evaluate novel solutions, as we stand up a new Trauma Center.

The UHI is hosting a series of events and meetings that are designed to gain community and subject matter expert input regarding the Trauma Center's forthcoming programming and research approach. The Data Specialist will support this effort by helping to collect, summarize and translate data in a useful way to guide decisions about the most sustainable, scalable and relevant programs for stemming violence in our communities. This position represents an opportunity to be part of one of the most important health care interventions on the South Side, sitting at a critical intersection with issues of violence and poverty.

#### **Duties & Responsibilities:**

- Attend community meetings and events and provide input into relevant research questions
- Gather publically available data sources on community-level trauma and violence
- Produce reports and statistics on community-level trauma and violence for stakeholders
- Prepares results of models for memos, spreadsheets, and presentations targeting both UCM and community decision makers
- Assists with literature reviews and drafting papers
- Assists in writing grant proposals, preparing IRB proposals, and obtaining other research permits
- Other duties as assigned

#### **Education**

Master's degree in economics, sociology, public policy or other relevant social/mathematical science field required. PhD, or pursuing studies in PhD, preferred.

Coursework in econometrics and/or mathematical statistics required.

#### **Experience**

- A minimum of two years of relevant data analysis experience required.
- Experience working with large and complex datasets strongly preferred.
- Proficiency with one or more languages such as R, Stata, Python, or SAS preferred.
- Experience with relational databases a plus.
- Experience working on field experiments preferred.
- Experience working with
- GIS and UNIX servers preferred.
- Familiarity with randomized controlled trials preferred.
- Experience with health and claims data highly appreciated

#### **Competencies**

- Strong interest in social policy required

- Strong interest in the UCM Trauma Center
- Strong interest in social determinants of health and public safety issues
- Strong background in applied statistics and modeling
- Strong written and verbal communication skills
- Excellent organizational skills and attention to detail
- Ability to work independently
- Understanding of research design and human subjects research ethics
- Prior experience with fieldwork/ data collection preferred
- Dependable and responsive to email

**Requirements:**

We are recruiting for this position immediately, start time as soon as possible. If interested submit a resume and cover letter to Ruth Coffman, [rcoffman@uchicago.edu](mailto:rcoffman@uchicago.edu)