Join our team!

The Drexel Urban Health Collaborative is recruiting for a Data Analyst position.

This position will support a large, multisite, international urban health research project involving several institutions across the United States and several countries in Latin America. The Salud Urbana en America Latina (SALURBAL) project is based at the Urban Health Collaborative at the Dornsife School of Public Health. The Data Analyst will work closely with the study Principal Investigator, the Data and Methods Lead, Senior Biostatistician and the Project Manager to oversee all data and analytical aspects of the project.

Key Qualifications:
• Masters in statistics, biostatistics or related quantitative field
• 3+ years of experience managing and analyzing data for complex multisite research
• Fluent knowledge of Spanish and/or Portuguese highly desirable

Salary is commensurate with experience

To read more and apply online: www.drexeljobs.com, Requisition #8338

Hiring manager: Dr. Alex Quistberg, daq26@drexel.edu
DATA ANALYST
for large multisite project on urban health in Latin America

We are seeking a Data Analyst to oversee data and analytical aspects of a large, multisite, international urban health research project involving several institutions across the United States and several countries in Latin America.

Key aims of the project are (1) to study the links between urban environments and health using a newly created longitudinal database; (2) to conduct policy evaluation in partnership with stakeholders; (3) to use systems approaches to evaluate potential policy impacts; and (4) to conduct dissemination and outreach to scientists, the public and policy makers.

The project is based at the Urban Health Collaborative at the Dornsife School of Public Health and directed by Ana V. Diez Roux. The Data Analyst will work closely with the study Principal Investigator, the Data and Methods Lead, Senior Biostatistician and the Project Manager of the Wellcome Trust-funded Salud Urbana en Latin America (SALURBAL) project to oversee all data and analytical aspects of the project.

Responsibilities include:

Coordinate the compilation, harmonization and linkage of multiple diverse datasets from various cities in Latin America, including mortality, survey, cohort, hospital discharge and other datasets as necessary; Interact with local data teams to acquire, process, and harmonize data.

Coordinate the geo-referencing of multiple datasets and the linkage of data to geographic data in collaboration with GIS experts on the team and at the country sites.

Coordinate linkage of country-specific or neighborhood data with data compiled by the resource cores or other entities associated with the project.

Develop and maintain detailed documentation for all data.

Develop and manage a process to provide access to data for various project Investigators Track data requests and ensure data confidentiality as necessary.

Conduct data analyses including multilevel and longitudinal analyses under the direction of the Principal Investigator or other project Co-Investigators.

Provide analytical consultation to Investigators and local country staff on various statistical analyses and assist with specific data analyses as indicated by the Principal Investigator.

Assist students, postdocs and other trainees with various data and analytical aspects related to the project.
Coordinate and manage a central data repository for the study and facilitate the transition to a public resource as the project develops.

Leading, supervising, coordinating, and implementing various activities related to the compilation, processing, documentation, and analysis of various data sources (including longitudinal data) that can be used to categorized and study various urban health issues, including longitudinal studies of neighborhood health effects.

**Qualifications:**

Masters in statistics, biostatistics or related quantitative field.

3+ years of experience managing and analyzing data for complex multisite research.

Very detail oriented, extremely organized, and comfortable with multitasking.

Possess excellent oral, written, analytical, organizational, and interpersonal skills.

Advanced data compilation and data management skills.

Experience supervising trainees and other analysts.

Team oriented and experienced working with diverse groups of investigators and trainees.

Outstanding knowledge of SAS or Stata, working knowledge or ability to quickly learn other statistical programs as needed.

Ample experience with complex analyses including longitudinal and multilevel; Experience with spatial analyses highly desirable.

Experience drafting manuscripts for publication in peer-reviewed journals.

Fluent knowledge of Spanish and/or Portuguese highly desirable.

**Additional Information**

Salary is commensurate with experience.

Position will be based at the Drexel Urban Health Collaborative in Philadelphia, PA for the five years of the project (through March, 2022).

To apply online: [www.drexeljobs.com/applicants/Central?quickFind=82409](http://www.drexeljobs.com/applicants/Central?quickFind=82409)

Hiring manager: Dr. Alex Quistberg, [daq26@drexel.edu](mailto:daq26@drexel.edu)
Learning from Latin America’s Cities for a Healthier Future

Starting in April of 2017, the Dornsife School of Public Health at Drexel University and partners throughout Latin America and in the United States will work together to study how urban environments and urban policies impact the health of city residents throughout Latin America. Their findings will inform policies and interventions to create healthier, more equitable, and more sustainable cities world-wide. The five-year project, called SALURBAL or “Salud Urbana en America Latina” (Urban Health in Latin America) is funded by the Wellcome Trust as part of its Our Planet, Our Health initiative, which focuses on research examining the connections between the environment and human health.

For the first time in history, more than 50% of the world’s population lives in cities, and it is estimated that by 2050 that percentage will reach 70%. The ways in which cities are built, organized and governed has important implications for human well-being, health, and environmental sustainability. However, evidence on the best urban policies to promote health, health equity, and environmental sustainability is lacking.

Latin America provides a unique opportunity to study the links between the urban environment, health, and sustainability. It is among the most urbanized regions of the world, with 80% of the population residing in cities of varying sizes. Additionally, the region has often been at the forefront of innovative urban policies with possible health and environmental impacts.

Project Aims and Activities

Based at the Urban Health Collaborative at the Dornsife School of Public Health, the project brings together an interdisciplinary team including 11 institutions in Latin America, 3 institutions in the United States and several international organizations. This international team will collaborate to achieve the four overarching aims:

1. **To quantify the contributions of city and neighborhood-level factors to differences in levels of health and health inequalities among and within cities.**
   This aim focuses on examining how elements of a city’s physical and social environment (such as infrastructure, segregation by income or education, pollution, transportation options, food availability, and violence) impact the health of that city’s residents, including their health behaviors, the illnesses they experience and at what age and how they die. To do this, researchers will pull together available data (such as built environment features, pollution levels, vital statistics, and survey data) and analyze them to see how various factors relate to health and health equity.

2. **To evaluate the health and environmental impact of city and neighborhood-level policies and interventions by capitalizing on natural experiments.**
   This aim focuses on examining how urban policies and interventions may impact the health of city residents and the environmental quality of cities. These interventions could include improvements to housing, the creation of bike lanes and pathways, the establishment of pedestrian-only zones, or the creation of taxes that impact how people eat or consume tobacco. Researchers will evaluate interventions and policies that were established previously, and conduct evaluations of policies and interventions that are going to be enacted in the near future.
3 To employ systems thinking and formal systems simulation models to better understand the dynamic relations between the urban environment, health and environmental sustainability and identify the plausible impacts of selected policies.

To achieve this aim, researchers will work with stakeholders using systems thinking techniques to build “systems maps” that describe how various factors are interrelated and jointly affect health and environmental sustainability. They will use these maps to stimulate thinking about how interventions in these systems can improve outcomes. In a second stage, they will create simulated cities and neighborhoods and use these virtual worlds to explore how various policies may affect health and the environment.

4 To engage with the scientific community, the public, and policy makers to disseminate findings and translate them into policies and interventions.

This aim will focus on rapidly translating research findings into clear and actionable knowledge for policymakers, the public, and the scientific community. In this way, the project can ensure that its findings are disseminated efficiently and effectively so that civil society, policymakers and governments can invest in and build cities that are healthy, equitable, and sustainable.

Our Team

Drexel University, Philadelphia, Pennsylvania, USA
Economic Commission for Latin America and the Caribbean (ECLAC)
Federal University of Minas Gerais, Belo Horizonte, Brazil
Institute of Nutrition of Central America and Panama (INCAP), Guatemala City, Guatemala
National Institute of Public Health, Mexico City, Mexico
National University of Lanus, Buenos Aires, Argentina
Oswaldo Cruz Foundation, Rio de Janeiro, Brazil
Oswaldo Cruz Foundation, Salvador Bahia, Brazil
Pontifical Catholic University of Chile, Santiago, Chile
United Nations University International Institute for Global Health (UNU-IIGH)
Universidad Peruana Cayetano Heredia, Lima, Peru
University of the Andes, Bogotá, Colombia
University of California at Berkeley, USA
University of Chile, Santiago, Chile
University of Sao Paulo, Sao Paulo, Brazil
Washington University in St Louis, Missouri, USA

For more information, contact Claire Slesinski, Project Manager: ss4523@drexel.edu