

Population Health Data Analyst

The Fund for Public Health in New York City, (FPHNYC) is a 501(c)3 non-profit organization that is dedicated to the advancement of the health and well-being of all New Yorkers. To this end, in partnership with the New York City Department of Health and Mental Hygiene (DOHMH), FPHNYC incubates innovative public health initiatives implemented by DOHMH to advance community health throughout the city. It facilitates partnerships, often new and unconventional, between government and the private sector to develop, test, and launch new initiatives. These collaborations speed the execution of demonstration projects, effect expansion of successful pilot programs, and support rapid implementation to meet the public health needs of individuals, families, and communities across New York City.

PROGRAM OVERVIEW

The NYC Department of Health and Mental Hygiene (DOHMH), Primary Care Information Project (PCIP) is devoted to improving health by promoting and supporting primary care. PCIP works with over 1,300 health care organizations on increasing clinical prevention opportunities, reducing health disparities, managing/preventing chronic disease, and creating community linkages to support health promotion.

PCIP accesses large databases of de-identified clinical data from Health Information Exchanges (HIEs) in New York City. PCIP additionally maintains a large SQL data warehouse that receives multiple data streams that contain summarized measures on the quality of ambulatory health care, processes in care delivery, and population health indicators. These data sources are primarily used for surveillance of chronic health conditions and healthcare service utilization. They are also used to drive clinical preventive services through the development of reports to support meaningful use and quality improvement in primary care practices across New York City. New and existing projects rely on assessing data quality and performing analyses driven by public health priorities. Facilitating the use and delivery of information derived from these data systems is critical to PCIP's mission.

POSITION OVERVIEW

PCIP is looking for a **Population Health Data Analyst** to perform data analysis to support public health in New York City. The ideal candidate will be responsible for gathering requirements, framing population health questions, collecting and analyzing data, and reporting results using appropriate data visualization tools.

RESPONSIBILITIES

- Develop queries to run against clinical data systems, to answer clinical and population health questions
- Manipulate, process, and analyze queried datasets using SQL and additional analytic software

- Produce and maintain dashboards, reports, data visualizations, and analytic support tools to meet team objectives
- Explore opportunities to apply new analytic techniques, such as machine learning, to advance PCIP objectives, and help disseminate related skills to other bureau staff
- Assist in conceptualization of novel approaches to public health surveillance using EHR data
- Meet with staff to gather requirements and develop analytic plans based on business needs.
- Produce necessary project plan/requirements documentation needed by team members.
- Coordinate with the data warehouse team and others to develop a sustainable process for report creation and maintenance.

QUALIFICATIONS

- At least 1 year of experience with clinical EHR or claims data
- Ability to write complex and optimized queries in SQL
- Experience with data analysis software such as R, Python, or SAS
- Public health background
- Training in epidemiology and biostatistics
- Ability to apply data visualization tools such as Tableau, R or Python, d3.js
- Experience with GIS and machine learning a plus
- Excellent time management, attention to detail, organizational and communication skills
- Exceptional customer service and relationship management skills
- Excellent written and oral communication skills
- Ability to work collaboratively in a team environment

SALARY AND BENEFITS

FPHNYC offers a comprehensive benefits package. The salary range for this position is commensurate with experience and education.

TO APPLY

To apply, send Resume, with Cover Letter, including salary requested and how your experience relates to this position, to publichealthjobs@fphnyc.org indicating “**Population Health Data Analyst_ your name**” in the subject line.

The Fund for Public Health in New York City is an Equal Opportunity Employer and encourages a diverse pool of candidates to apply.