Director Data Analytics & Reporting, Health Care Research(Job Id 6461)

Category:	Administration and Management	**Work Schedule (Provide primary hours):**	9a-6p, no wknd, no hols unless as needed
Employment Type:	Employee	**Exempt From Overtime:**	Yes
Standard Hours:	80	**Post Date:**	05/10/2019
Shift(s):	Days	**Close Date:**	08/08/2019

Description

Director
Data Analytics & Reporting
Health Care Research
Main Campus
80 hours Bi-Weekly

Days

The MetroHealth System is an essential health system committed to providing health care to everyone in Cuyahoga County, Ohio, and improving the health of the community overall. Its 7,500 employees deliver care to everyone at its main campus, just west of downtown Cleveland, and at more than 25 other MetroHealth locations. It also provides health care at more than 40 additional sites in Cuyahoga County through community partnerships such as the School Health Program.

Summary:

Leads Better Health Partnership's data analytic and reporting functions in alignment with the organization's strategic agenda and data-related requirements of various partners and stakeholders. Works with Better Health's staff and partners on the design, management, and analysis of data, including electronic health record data collected from multiple health systems, to create and build analyses, reports, visualizations, maps, databases, code bases, and other tools. Participates on Better Health's Executive and Leadership Teams, reports directly to Better Health's President and CEO, and contributes to the strategic and operational decision-making and advancement of the organization in alignment with Better Health Partnership's mission and vision. Upholds the mission, vision, values, and customer service standards of The MetroHealth System.

Responsibilities:

1. Contributes to patient safety by supporting MetroHealth's system-wide programs and policies addressing a safe environment for patients and the reporting of safety concerns to the appropriate individuals.

2. Directs and ensures the integrity of all data analytic and reporting functions for the organization including: validation, maintenance, and management of data for Better Health's projects containing both PHI and non-PHI data, identifies data quality issues, designs, aggregates and cleans data bases, analyzes and interprets outside data reports and makes recommendations addressing specific business needs.

3. Oversees and conducts statistical analyses using R (and related toolkits), describing features from large data sets for system, practice and regional level reporting and developing (as part of a team) analyses to fuel actionable insights and evaluate programs.

4. Produces technical, internal, and customer-focused reports using state-of-the art tools for visualization, mapping, and presentation, including both static and interactive materials in both print and web formats.

5. Creates and automates web-based and standalone data visualizations, maps and statistical reports.

6. Contributes to the development of Better Health Partnership funding proposals and manuscripts.

7. In partnership with clinicians, researchers, and other experts, designs and implements evaluation metrics for various programmatic and population health improvement initiatives.

8. Provides analytic and design support for the evaluation of Better Health's quality improvement programs, clinical decision support tools, curricular activities, working groups, and webinars.

9. Co-leads Better Health's Health Metrics Advisory Committee, with the Chief Medical Officer.

10. Documents solutions and presents results in a concise and comprehensive way for technical and non-technical audiences, and develops more formal documentation using data science vocabulary.

11. Maintains strong knowledge of tools, systems and processes required for excellent coding and documentation, and facilitates their use in the development of Better Health's data and code bases.

Qualifications:
Required:
- Masters' Degree or equivalent background in Biostatistics, Statistics, or a related field.
- Extensive experience with R, ideally including package and report development.
- Documented experience with data management, statistical analysis and statistical reporting.
- Open source computing skills for reproducible research, especially Markdown and Git/Github.
- Documented experience with programming for the Web, and building visualizations and maps.
- Experience preparing and presenting analytical findings to technical and non-technical audiences.
- Excellent relationship management, problem-solving, organizational, and communication skills.
- Ability to work in a rapidly changing, fast-paced, entrepreneurial environment

Preferred:

- Demonstrated leadership / supervisory experience in data analytics and reporting.
- Experience in analyzing health data to gain actionable insights.
- Ability to dive into a R and R Markdown codebase, and some existing SAS and SPSS code.
- Substantial experience with Tableau and/or Python.
- Shareable code portfolio demonstrating analytic reporting, data visualization and attention to detail.
- Prior experience in a health care / research environment.
- Experience in using Shiny or similar frameworks to develop interactive reports and dashboards.
- Experience in reconciling data from multiple vendors and Electronic Health Record systems.
- Experience with natural language processing and/or text mining.
- Knowledge of current medical developments and terminology.

Physical Demands:

- May need to move around intermittently during the day, including sitting, standing, stooping, bending, and ambulating.
- May need to remain still for extended periods, including sitting and standing.
- Ability to communicate in face-to-face, phone, email, and other communications.
- Ability to read job related documents.
- Ability to use computer.