

Research/Data Scientist – Contracted:

Maximum Contract Amount: \$100,000 (12 months)

CuraCor Solutions Health Insight Center (CHIC) – “Using Data for Good”

The CuraCor Solutions Health Insights Center (CHIC) serves as an engine for identifying and developing evidence-based health innovations for statewide implementation by leveraging anonymized, aggregated member data. The key to successfully sharing data for good lies in CHIC’s partnering with communities to identify the most critical questions and provide actionable insights that inform realistic solutions. CHIC aims to share in the public domain knowledge gathered through: (1) analysis and interpretation of both internal Blue Cross and Blue Shield of North Carolina and external data; (2) aggregation and synthesis of existing research findings across multiple industries and organizations to identify effective innovations; and (3) disseminate insights via research reports, peer reviewed publications, social media, and convenings with providers, community partners, and policymakers to drive adoption of innovations.

Role Overview

The Research/Data Scientist will be engaged on a contractual basis, total payment not to exceed \$100,000 over 12 months, to support the work of CHIC through existing evidence synthesis; comprehensive data management; quantitative and qualitative analysis; and reporting services. This role is critical to CHIC’s purpose of: (1) identifying and developing evidence-based health innovations for statewide implementation, (2) partnering with communities to identify the most critical questions, and (3) provide actionable insights that inform realistic solutions by leveraging anonymized, aggregated Blue Cross NC member data as well as external data (e.g., state or federal data).

Key Responsibilities

- Evidence Synthesis: Summarize existing literature that informs the identification or development of innovations and responds to key issues identified.
- Database Development and Maintenance: Develop and/or maintain project-specific databases, with particular focus on data protection and integrity to safeguard sensitive information.
- Statistical Analysis: Using statistical software such as Python, R, or SAS, perform rigorous statistical analyses. These analyses will be designed to evaluate program outcomes and address research questions relevant to CHIC initiatives.
- Reporting and Visualization: Create clear and informative data summaries, including visualizations, to facilitate both internal and external reporting requirements.
- Collaboration and Insight Generation: Collaborate closely with CHIC and its partners (including but not limited to Blue Cross NC, Blue Cross NC Foundation, Community Based Organizations, and State Agencies) to translate analytical findings into actionable insights that inform decision-making, recommendations, and strategy.

Skills and Qualifications

- Analytical and problem-solving skills to draw conclusions from data and synthesize existing literature
- Demonstrated experience in quantitative analysis, including cleaning and merging large data sets; econometric or statistical analysis, including multivariate linear and non-linear models, fixed effects, difference-in-differences, etc.; and presentation/communication of results to community audiences
- Proficiency with statistical software such as SAS, Python, or R
- Expertise in telling stories with data, including visualizations and reports/manuscripts/white papers
- Experience with health insurance claims data, large publicly available data (such as Census, American Community Survey, NHANES, NC DHHS)
- Comfort working in a highly regulated environment (e.g. HIPAA regulations, self-dealing)
- Strong verbal and written communication skills
- Ability to work independently