



## **Postdoctoral Fellow in HMP – Health Analytics and Biostatistics**

### **College of Health and Human Services & Graduate School**

**Department:** Health Management and Policy/ Graduate Programs in Analytics and Data Science

**Description:** Applications are invited for a postdoctoral associate in the Department of Health Management and Policy. The position will work between College of Health and Human Services (CHHS), Health Management and Policy and the University's Graduate Program in Analytics and Data Science and have research access within the Martin's Point Health Care Data Lab (MPDL). The MPDL focuses on data science methods as applied to real time health system data at the provider and payer level. Focus for the postdoctoral period will be in developing more robust models of population health estimation and disease and cost burden in a dynamically changing system environment.

The postdoctoral associate will conduct high-impact academic research at the intersection of Bayesian statistics, computational science, health analytics, and machine and deep learning methods. In addition, the associate will teach one course per year at the undergraduate or graduate level.

In collaboration with research mentors from both CHHS and the Analytics and Data Science programs, the postdoctoral fellow will work with data from Martin's Point Health Care data repository which features payer, provider and patient data. Additional data sources will be evaluated to build more robust models. In addition, the college houses two institutes; the Institute for Health Policy and the Institute on Disability, which have other research projects and health data that can be utilized.

The ideal candidate will have foundations in data science methods including neural networks, machine learning algorithms and statistical competency in Bayesian statistics. In addition, they will be proficient in one or more programming languages (R, Python). Candidates with prior health care experience or with health data claims experience are highly valued. Areas include demand forecasting, risk stratification and analysis, reimbursement analysis, and survey analysis and psychometric analysis.

Office of the Senior Vice Provost Engagement and Faculty Development  
University of New Hampshire · Thompson Hall · Durham, NH 03824  
Leslie Couse, Executive Director: [Leslie.Couse@UNH.edu](mailto:Leslie.Couse@UNH.edu) 603-862-5055  
Julie Williams, Senior Vice Provost: [faculty.development@unh.edu](mailto:faculty.development@unh.edu) 603-862-1997