The UTHealth School of Public Health Department of Epidemiology, Human Genetics and Environmental Sciences seeks a candidate who possesses and demonstrates interest and skills in one of the following topics: (1) population health frameworks and concepts including study design to address specific population health research questions, (2) clinic-community-based approaches to mitigate social determinants of health, and (3) data analytics to clarify associations and identify causal inferences in the aforementioned areas.

The Postdoctoral Research Fellow will work primarily with the faculty at UTHealth School of Public Health and McGovern Medical School: Shreela Sharma, PhD, RD, LD and Thomas Murphy, MD respectively, as well as a team of epidemiologists, statisticians, scholars and practitioners on aspects of design, data collection, statistical analyses, dissemination through publications and presentations, and the development of grant applications.

The Postdoctoral Research Fellow will contribute to and, in some cases, lead the formulation of population health research questions that are informed by the literature and stakeholder needs; development of study design and/or conduct analyses for: intervention projects designed to improve patient- and population health-level outcomes primarily targeting social determinants of health; collect, analyze and/or interpret qualitative and quantitative data obtained prospectively (e.g. data from electronic medical records, patient surveys) or retrospectively through existing public and private sources to identify determinants of health.

The applicant may also contribute to on-going grant applications including power analyses, co-author peer-reviewed publications and reports to state and local partners, and present research at national conferences. In addition, applicants will be expected to develop their own grant application, and to develop a manuscript as a first author. We will give preference to candidates with strong applied methodology and statistical skills including analysis of electronic medical record data, experience in population health research, specifically social determinants of health, randomized clinical trials and intervention research methodology and analysis. We are seeking a person who is excited to be part of a dynamic, diverse, and motivated group, and who is driven by a desire to produce both rigorous and policy-relevant research aimed at improving health outcomes.

Minimum Requirements:
• Applicants must have a Ph.D. in a relevant discipline (e.g., public health, social sciences, biomedical informatics, population health, or another related field).
• To be competitive for the position, the applicant must have demonstrable knowledge of the structures, performance, quality, policy and environmental context of healthcare to the formulation of solutions to and prevention of population health problems. The application must also demonstrate the ability to design specific population health research questions.
• Ability to appropriately lead analytic activities for population health research, preparing or reviewing analysis deliverables, data management, and communicating with co-researchers and external stakeholders and representatives.
• Ability to prepare technical and methodology reports, proposals, and other documentary deliverables
• Applicants must have demonstrated expertise in one or more statistical packages including STATA, R, SAS, and/or other statistical software.
• The applicant must have a record of research productivity through publications and presentations.
• Applicants should be able to work both independently and as a collaborative team member.

Required Degree:
• Doctorate – PhD in relevant discipline

Desired Qualifications:
• Interest in population health research
• Experience working on large scale, team projects
• Excellent interpersonal, verbal and written communication
• Strong organizational skills and experience coordinating data management and analysis activities

Required Application Materials: Interested applicants should submit the following materials to Dr. Shreela Sharma at Shreela.V.Sharma@uth.tmc.edu and Dr. Thomas Murphy at Thomas.J.Murphy@uth.tmc.edu

(1) A cover letter detailing the applicant’s research interests and fit with the position,
(2) Curriculum vitae
(3) Scholarly writing sample, and
(4) Names and contact information for three references.

The position is for up to one year and the salary will commensurate based on education and experience.

UTHealth is committed to providing equal opportunity in all employment-related activities without regard to race, color, religion, sex, sexual orientation, national origin, age, disability, genetic information, gender identity or expression, veteran status or any other basis prohibited by law or university policy. Reasonable accommodation, based on disability or religious observances, will be considered in accordance with applicable law and UTHealth policy. The University maintains affirmative action programs with respect to women, minorities, individuals with disabilities, and eligible veterans in accordance with applicable law.