Post-doctoral fellow:
A new 1-2 year post-doctoral fellow position will be available in 2022. Candidates with training in clinical epidemiology and/or health services research or affiliated field will be considered. The position will collaborate in managing and integrating large databases that include social determinants, clinical risks, demographic details, and longitudinal patient-reported outcome data from two large cohorts (n= 35,000) aging adults with knee and hip arthritis. In addition, the fellow will lead analyses of new questions to answer new comparative effectiveness and patient-centered outcomes research questions. The fellow will participate in new grant development as an active member of a multi-disciplinary research team.

Department faculty members employ innovative methods to improve health, using state-of-the-art qualitative and quantitative techniques, particularly longitudinal methods and modeling. The ideal candidate will have expertise in large data analyses to evaluate research questions to improve health outcomes and healthcare. Methods and approaches will complement and expand research methodology within one or more of our MSS thematic scientific hubs: Outcomes and Measurement Science, Health Equity, Mechanisms of Health and Disease, and/or Lifespan Health Promotion. Expertise and/or working familiarity is expected in the following areas:
- Health and healthcare outcome measurement including utilization, clinical events and health
- outcomes,
- Patient-reported outcomes as a component of health and quality of care assessment
- Patient centered methods to evaluate comparative effectiveness of interventions and
- therapeutics
- Concepts of the learning health system where data analyses answer priority healthcare delivery
- questions and subsequently improve healthcare outcomes
- Clinical informatics and health information technology as important tools to capture diverse
- data elements, report lessons learned (e.g., dashboards), and integrate varied sources of realworld
- data (e.g., administrative, clinical, patient-reported) to support research.

The ideal candidate's interests integrate activities across multiple MSS hubs and health conditions, complementing ongoing programmatic research. Initially, the candidate will be integrated into a **musculoskeletal health outcomes research program.** However, broad opportunities exist to partner with investigators having research foci across the lifespan including health promotion and healthcare delivery science to advance health care quality.

General Attributes:
The candidate will be expected to value a collaborative orientation and display skills in team science. Candidates should have a record of scholarly publication, and of leading or collaborating in funded research analyzing existing large cohort data, as well as patient-reported outcomes. The successful candidate will be encouraged to use the initial musculoskeletal outcomes research as a springboard for developing new lines of research and data analyses to optimize quality of healthcare and health outcomes. Individuals with qualitative and quantitative methods experience and data management teams are ideal as candidates. Participation in Departmental teaching and training activities and University service are also expected and valued. In particular, we are seeking individuals who would contribute to curriculum on user experience and health communication within the MSS Social Science & Health track of NU's Health Sciences Integrated Doctoral Program (HSIP).

Application Information:
Northwestern University is an Equal Opportunity, Affirmative Action Employer of all protected classes, including veterans and individuals with disabilities. Women, racial and ethnic minorities, individuals with disabilities, and veterans are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Applications will be considered until positions are filled. Salary will be commensurate with experience and credentials. Hiring is contingent upon eligibility to work in the United States. Additional information about the Department of Medical Social Sciences can be viewed at www.mss.northwestern.edu.
For **questions** about the positions, please contact Patricia Franklin MD, Professor and co-Director, Outcomes and Measurement Hub. (patricia.franklin@northwestern.edu).

To apply, please send a (1) cover letter, (2) brief research statement, (3) Curriculum Vitae, and (4) the names of three individuals who could write letters in support of your candidacy to Martha Burla at martha.burla1@northwestern.edu.