

Faculty Focus:

Mostafa Mohamed, M.B.B.Ch.

What does your research focus on?

My research focuses on the intersection of cancer and aging, with a particular focus on improving health outcomes for older adults with cancer through the lens of pharmacoepidemiology. I investigate critical issues such as polypharmacy and the use of high-risk medications in this vulnerable population, aiming to understand how these factors influence health outcomes. Additionally, my work addresses treatment decision-making processes, including chemotherapy dosing, treatment tolerability, and the efficacy of various cancer therapeutics. My research seeks to optimize therapeutic strategies, minimize adverse effects, and enhance the quality of care for older adults with cancer.



Why did you choose to do research in public and community

My choice to do research in public and community health is driven by a commitment to addressing the unique challenges faced by the aging population, particularly in the context of cancer. As the population continues to age, the incidence of cancer among older adults is rising, making this an increasingly critical public health priority. Pursuing research in this area allows me to address critical health disparities, improve the quality of life for older adults, and contribute to evidence-based interventions that enhance community health outcomes.

What do you enjoy most about University of Rochester?

What I enjoy most about the University of Rochester is the collaborative and supportive research environment. The institution values interdisciplinary research, which has allowed me to work with experts across various fields, such as epidemiology, geriatrics, and oncology. Additionally, the University of Rochester provides access to cutting-edge resources and mentorship opportunities, enabling me to grow as a researcher and mentor, particularly in the field

What opportunities are there for students to engage in your projects, both current and future?

There are several opportunities for students to engage in my research projects. Currently, students can participate in data analysis, literature reviews, and gaining hands-on experience in clinical cancer and pharmacoepidemiologic research. Future projects, especially those involving medication trajectory analysis and interventions for managing polypharmacy among older adults with cancer, will offer opportunities for students to contribute to innovative research. Students interested in public health, aging, and cancer research can gain valuable skills and mentorship in these interdisciplinary areas, positioning them for successful careers in research or clinical practice.