

AI-Driven Applications to Improve Clinical Trial Design and Recruitment



Ravi Parikh, M.D., MPP

**Associate Professor of Hematology and Medical Oncology
Emory University**

Thursday, March 13, 2025

2:00 – 3:00 PM

BMI Classroom 4004

Woodruff Memorial Research Building

or

Join us on Zoom link:

<https://zoom.us/j/97579657531>



EMORY
UNIVERSITY

**Department of
Biomedical Informatics**
Emory University School of Medicine

Abstract: In this talk, I will describe 2 completed projects relating to using 1) digital twins – computational phenotypes of patients using real-world data – to understand real-world generalizability of clinical trials and improve future trial design, and 2) electronic health record-based language models to enhance trial matching and recruitment.

Bio: Ravi B. Parikh, MD, MPP, is an oncologist and Associate Professor at Emory University and Winship Cancer Institute. His research investigates how doctors, patients, and health policymakers can use AI to improve decision-making and promote equitable healthcare. Dr. Parikh's lab, the Human-Algorithm Collaboration Lab, runs clinical trials testing how clinicians and AI collaborate in making decisions about diagnosis, prognosis, and treatment selection. Dr. Parikh's work has been published in *Science*, *The New England Journal of Medicine*, and *JAMA*, and he has written about AI for *The New York Times* and *Washington Post*. He sits on the Board of the Coalition to Transform Advanced Care (C-TAC). Dr. Parikh graduated from Harvard Medical School and the Kennedy School of Government. He completed his clinical training at Brigham and Women's Hospital and the University of Pennsylvania. Dr. Parikh has received awards from the National Academy of Medicine, American Medical Association, American Society for Clinical Oncology, and American College of Physicians.