

TEMIDAYO OLALEYE (NEE ADEPOJU)

ta510@business.rutgers.edu

1 Washington Place, Newark, NJ 07102

Research Interest

Researcher at the intersection of healthcare and operations management, specializing in the empirical analysis of care delivery systems. My work leverages large-scale clinical and administrative data to investigate how operational structures and process choices shape care quality, system efficiency, and clinical effectiveness in hospital settings. My work bridges rigorous analytics with practical solutions to improve healthcare performance.

Education

Ph.D., Questrom School of Business, Boston University May, 2021

Operations & Technology Management

Dissertation: Essays on Improving Patient Flow in Hospitals

Committee: Anita Carson, Erol Pekoz, and Justin Ren

Advisor: Prof. Anita Carson

MBA, University of Massachusetts, Amherst May, 2015

Operations & Information Management

MSc., University of Manchester September, 2012

Information Systems

BSc., University of Lagos December, 2007

Computer Science

Publications

Published Papers

- Adepoju T.A., Tucker A., Jin H., and Manasseh C., “Hospital Boarding Crises: The Impact of Urgent versus Prevention Responses on Length of Stay.” *Management Science* (2023)

Working Papers

- Olaleye T.A., Ding X., Atasoy H., “The Power of Two: The Impact of Dual Decision-Making on Patient Outcome.” Under Review (POMS)
- Olaleye T.A., Carson A., and Manasseh C., “Absorbing Variability: An Empirical Study of An Expanded Dedicated Observation Unit.” Under Review (*Journal of Hospital Medicine*)
- Ding X., Olaleye T.A., “Busyness, Task Complexity and Access to Surgery: An Empirical Study of Racial Disparity in Hospitals.” Manuscript preparation (POMS)

Honors and Awards

MBA Fellowship, Isenberg School of Management 2013–2015

Questrom PhD Scholarship, Boston University 2016–2021

Junior Scholar, SCM Department, Rutgers Business School 2023–2024

Early Career Faculty Fellow, Institute for the Study of Global Racial Justice 2023

Teaching & Research Experience

Rutgers Business School, Rutgers University 2021–Present

Assistant Professor, Supply Chain Management (Demand Planning)

Demand Planning and Fulfillment (29:799:310, 33:799:310)

Demand Management (Executive MBA)

Questrom School of Business, Boston University

2020

Adjunct Lecturer, Operations Management (OM323, Spring)

Teaching Assistant, Adding Value through Operations and Technology (OM726, Summer)

Presentations and Invited Talks

Conference

- Goswami A., Olaleye T.A., Rodgers M., Jacques S., and Li S., “Optimal Nurse Staffing in Pediatric Intensive Care Unit.” DSI Annual Meeting, Florida, November 22–24, 2025 (Invited talk)
- Ding X., Adepoju T.A., “Busyness, Task Complexity and Access to Surgery: An Empirical Study of Racial Disparity in Hospitals.” POMS Annual Meeting, Georgia, May 8–12, 2025 (Invited talk)
- Adepoju T.A., Tucker A., Carlo C., and Manasseh C., “Taking One for the Team: Improving Safety-Net Hospital Performance by Creating an Advanced Dedicated Observation Unit.” INFORMS Annual Meeting, Washington, October 20–23, 2024 (Invited talk)
- Ding X., Adepoju T.A., “Resource Limitation and Utilization: An Empirical Study of Health Disparity in Hospitals.” POMS Annual Meeting, Minneapolis, April 25–29, 2024 (Session Co-Chair)
- Zhou C., Adepoju T.A., Dreyfus D., Ramdin C., Dym A., Muckey E., Rosania A., Nelson L., “Improving Emergency Department Flow: A Predictive Model for Ambulance Diversion.” INFORMS Annual Meeting, Arizona, October 15–18, 2023 (Invited talk)
- Adepoju T.A., Tucker A., Carlo C., Manasseh C., “Designed for Variability: The Benefit of a Dedicated Observation Unit on Hospital Performance.”
 - POMS Annual Meeting, Florida, May 21–24, 2023 (Session chair)
 - INFORMS Healthcare Meeting, Canada, July 26–28, 2023 (Invited talk)
- Adepoju T.A., Tucker A., Carlo C., Manasseh C., “External Collaborative Coordination: Improving Efficiency in a Dedicated Observation Unit.” INFORMS Annual Meeting, California, October 24–27, 2021 (Invited talk)
- Adepoju T.A., Ren J., Pekoz E., “The Impact of Dedicated Capacity on Overall Hospital Patient Flow.”
 - POMS Annual Meeting, Virtual, April 30–May 5, 2021 (Invited talk)
 - DSI Annual Meeting, Virtual, November 17–20, 2021 (Invited talk)
- Adepoju T.A., Tucker A., Long P., Manasseh C., “An Empirical Study of the Operational Cost and Benefit of Dedicated Capacity.”
 - INFORMS Annual Meeting, Virtual, November 8–11, 2020 (Invited talk)
 - DSI Annual Meeting, Virtual, November 21–23, 2020
- Adepoju T.A., Tucker A., Jin H., Lara R., Manasseh C., “Hospital Boarding Crises: The Impact of Urgent versus Prevention Responses on Length of Stay.”
 - MSOM Conference, Singapore, June 30–July 2, 2019 (Selected participant)
 - Wharton Empirical OM Workshop, Virtual, September 10–11, 2020 (Selected participant)
 - Stanford GSB Rising Scholar Conference, Virtual, October 27–28, 2020 (Selected participant)
 - Harvard Business School, Virtual, January 6, 2021 (Invited talk)
 - University of Chicago, Booth School of Business, Virtual, January 5, 2021 (Invited talk)
- Adepoju T.A., Tucker A., Jin H., Manasseh C., “Dealing with Hospital Occupancy Crises: Urgent Versus Prevention Responses.” POMS Annual Meeting, DC, May 2–5, 2019 (Invited talk)
- Adepoju T.A., Tucker A., Jin H., Lara R., Manasseh C., “Coordinating During Chaos: The Enhanced Benefit of Coordinating Future Discharges During Occupancy Crisis.”
 - DSI Annual Meeting, Chicago, November 17–19, 2018 (Invited talk)
 - INFORMS Annual Meeting, Arizona, November 4–7, 2018 (Invited talk)
- Adepoju T.A., Tucker A., Jin H., Lara R., Manasseh C., “Impact of Health IT-Enabled Coordination on Inpatient Length of Stay.”
 - POMS Annual Meeting, Texas, May 4–7, 2018 (Invited talk)
 - Value Institute 2018 Spring Symposium, Christiana Care, June 1, 2018 (Invited guest)

Seminar Speaker

- Adepoju T.A., Tucker A., Carlo C., Manasseh C., “External Collaborative Coordination: Improving Efficiency in a Dedicated Observation Unit.” MIT OM Seminar, MIT, Cambridge, Massachusetts, May 9, 2022

- Adepoju T.A., Ding X., Atasoy H., “Impact of Dual Physician Decision-Making on Patient Outcome.” Philly OTD, Villanova University, Pennsylvania, November 14, 2025

Media

- Faculti Interview: “External Collaborative Coordination: Improving Efficiency in a Dedicated Observation Unit.” January 13, 2022. <https://faculti.net/external-collaborative-coordination/>
- Brides: “Tariffs and Wedding Dresses: What You Need to Know Right Now.” May 15, 2025. <https://lnkd.in/eHnybBuV>

Professional Affiliations

- Member, Decision Science Institute (DSI) — 2018, 2025–Present
- Member, Institute for Operations Research and the Management Sciences (INFORMS) — 2018–Present
- Member, Manufacturing and Service Operations Management (MSOM) — 2018–Present
- Member, Production and Operations Management Society (POMS) — 2017–Present

Professional Service

Departmental Service

- PhD Admission Committee (2023–2025)
- Chair, SCM Seminar

Peer Reviewer

- Manufacturing and Service Operations Management (MSOM)
- Management Science (MS)
- Journal of Management (JOM)
- Production and Operations Management (POMS)

Competition Judge

- INFORMS Diversity, Equity and Inclusion Best Student Paper (2023, 2024)
- POMS College of Healthcare Operations Management Best Student Paper (2022, 2024, 2025)

Chair Roles

- Track Chair: DSI Healthcare OM Track Co-chair (2025, 2026)
- Session Chair: POMS 32nd Annual Conference (2022); POMS 33rd Annual Conference (2023); POMS 34th Annual Conference (2024)

Professional Development

- Teaching Excellence Network–Course Transformation Summer Institute, Rutgers — 2024
- Advance Engage and Mentor eCARE Program, Rutgers — 2022–2023
- POMS Emerging Scholar — 2022–2024

Other Service and Leadership

- Beta Gamma Sigma Society, 2021–present
- Future Faculty Diversity Fellow, Virginia Tech, 2020
- Women of Color, Operations Research and Management Science, INFORMS WoC Community Group, 2020–present
- Member, PhD Project, 2020–present