Temidayo Adepoju

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# Research Interest

My research interest lies in the intersection of healthcare and operations management. I use my empirical training to answer research questions that investigate the quality and efficiency of care delivery processes in hospitals.

# Education

**Ph.D.** Questrom School of Business, Boston University July, 2021

Operations & Technology Management

*Dissertation: Essays on Improving Patient Flow in Hospitals*

*Committee: Anita Tucker, Erol Pekoz and Justin Ren*

Advisor: Prof. Anita Tucker

**MBA** Isenberg School of Management, UMASS, Amherst May, 2015

Operations & Information Management

**MSc.** Manchester Business School, University of Manchester September, 2012

Information Systems

**BSc.** University of Lagos, Nigeria 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)

## Papers under Review:

Adepoju T.A, Tucker A, and Manasseh C., “Designed for Variability: The Benefit of a Dedicated Observation Unit on Hospital Performance.”

Status: Under review (Management Science)

**Papers in Progress:**

Ding X., and Adepoju T.A., “The Impact of Crowding on Racial Health Disparity in Hospitals”

Status: Manuscript preparation

Adepoju T.A, Li S., and Cephas M., “Optimal Nurse Staffing in Pediatric Intensive Care Unit”

Status: IRB and Data collection

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”

Status: IRB and Data collection

# Honors and Awards

MBA Fellowship 2013-2015

Isenberg School of Management

Questrom PhD Scholarship 2016-2021

Boston University

Junior Scholar 2023

SCM department, Rutgers Business School

Early Career Faculty Fellow 2023

Institute for the Study of Global Racial Justice

# Teaching & Research Experience

**Rutgers Business School, Rutgers University**

Assistant Professor, Supply Chain Management (Demand Planning)

**Questrom School of Business, Boston University**

Adjunct Lecturer, Operations Management (OM323, Spring)

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

# Selected Industry Experience

**KPMG, Boston**

**IT Risk Consultant** **2015-2016**

* Executed annual Sarbanes-Oxley compliance program for clients
* Developed and executed risk assessment and IT audit plan
* Performed research and fieldwork to test application and infrastructure controls and business processes
* Produced report of control findings
* Provided risk remediation and mitigation efforts around identified issues

**Cubeserve (formerly Novira Solutions), Nigeria** **2009-2011**

**Software Developer**

* Designed, developed and deployed several software and web-based customized IT projects using SQL and PHP
* Performed analysis of existing IT systems and business processes
* Performed feasibility studies for user requirement and evaluated scalability of new systems
* Assured SDLC policies and procedures were implemented for all project deliverables
* Liaised with business development team throughout project lifecycle
* Conducted prototype demo sessions for clients
* Developed user-manual and documentation for training
* Facilitated weekly meetings with team to report status of project milestone

# Presentations and Invited Talks

**Conference**

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 15th-18th, 2023 (*Invited talk*) forthcoming

Adepoju T.A, Tucker A., Carlo C. (NP), Manasseh C. (MD), “Designed for Variability: The Benefit of a Dedicated Observation Unit on Hospital Performance.”

**POMS Annual Meeting**, Florida. May 21st-24th, 2023 (*Session chair*)

**INFORMS Healthcare Meeting,** Canada. July 26th-28th, 2023 (Invited talk) forthcoming

Adepoju T.A, Tucker A., Carlo C. (NP), Manasseh C. (MD), “External Collaborative Coordination: Improving Efficiency in a Dedicated Observation Unit”

**INFORMS Annual Meeting**, California. October 24th-27th, 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 30th- May 5th, 2021 (*Invited talk*)

**DSI Annual Meeting**, Virtual. November 17th-20th , 2021 (*Invited talk*)

Adepoju T.A, Tucker A., Long P. (MD), Manasseh C.(MD), “An Empirical Study of the Operational Cost and Benefit of Dedicated Capacity”

**INFORMS Annual Meeting**, Virtual. November 8th-11th, 2020 *(Invited talk)*

**DSI Annual Meeting**, Virtual. November 21st -23rd, 2020

Adepoju T.A, Tucker A., Jin H., Lara R.(MD), Manasseh C.(MD), “Hospital Boarding Crises: The Impact of Urgent versus Prevention Responses on Length of Stay”

**MSOM Conference**, Singapore. June 30th – July 2nd, 2019 (*Selected participant*)

**Wharton Empirical OM Workshop**, Virtual September 10th-11th, 2020 (*Selected participant*)

**Stanford GSB Rising Scholar Conference**, Virtual October 27th -28th, 2020 (*Selected participant)*

**Harvard Business School**, Virtual January 6th, 2021 (*Invited talk*)

**University of Chicago, Booth School of Business**, Virtual January 5th, 2021 (*Invited talk*)

Adepoju T.A, Tucker A., Jin H., Manasseh C.(MD), “Dealing with Hospital Occupancy Crises Urgent Versus Prevention Responses”

**POMS Annual Meeting**, DC. May 2nd -5th, 2019 (*Invited talk*)

Adepoju T.A, Tucker A., Jin H., Lara R.(MD), Manasseh C.(MD), “Coordinating During Chaos: The Enhanced Benefit of Coordinating Future Discharges During Occupancy Crisis” **DSI Annual Meeting**, Chicago. November 17th -19th, 2018 (*Invited talk*)

**INFORMS Annual Meeting**, Arizona. November 4th -7th, 2018 (*Invited talk*)

Adepoju T.A, Tucker A., Jin H., Lara R.(MD), Manasseh C.(MD), “Impact of Health IT-Enabled Coordination on Inpatient Length of Stay”

**POMS Annual Meeting**, Texas. May. 4th -7th, 2018 (*Invited talk*)

**Value Institute 2018 Spring Symposium**, Christiana Care, June 1, 2018 (*Invited guest*)

**Seminar Speaker**

Adepoju T.A, Tucker A., Carlo C. (NP), Manasseh C. (MD), “External Collaborative Coordination: Improving Efficiency in a Dedicated Observation Unit”

**MIT OM Seminar, MIT,** Cambridge, Massachusetts. May 9th, 2022

# Media

Faculti Interview: External Collaborative Coordination: Improving Efficiency in a Dedicated Observation Unit” January 13, 2022

Link: [https://faculti.net/external-collaborative-coordination/](https://mailtrack.io/trace/link/748b5e67e4e69ced96613da773bb0d20ca1a301d?url=https%3A%2F%2Ffaculti.net%2Fexternal-collaborative-coordination%2F&userId=1876170&signature=ca76174e047571b0)

# Professional Affiliations

* 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)

2018-Present

# Professional Service

**Departmental service**

* PhD Admission Committee
* Co-chair SCM seminar

**Peer-Reviewed Articles for**:

* Manufacturing and Service Operations Management (MSOM)
* Management Science
* Journal of Management (JOM)
* Production and Operations Management

**Session Chair:**

* POMS 32nd Annual conference (2022)
* POMS 33rd Annual conference (2023)

# Other Service and Leadership

* Judge INFORMS DEI Best Student Paper Award, 2023
* Judge POMS Best Student Paper competition, 2022
* POMS Emerging Scholar, 2022
* 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

# References

**Anita Tucker**

Everett W. Lord Distinguished Faculty Scholar

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Boston, Massachusetts 02215

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