

Stephen M Flaherty - PhD, MBA
Assistant Teaching Professor
Department of Public Health and Health Sciences
Bouve College of Health Sciences
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Summary of Qualifications

- Extensive teaching experience in college and professional environments.
- Curriculum and course development for undergraduate and graduate courses.
- Deep knowledge of health insurance claims data, all-payer databases and claims-based analytics.
- Extensive experience in the planning, execution and analysis of observational studies.
- Research experience in Real World Evidence, Healthcare Services Research, Healthcare Administration, Healthcare Quality, and Outcomes Research.
- Proficient in predictive modeling and propensity score matching methods.
- Extensive experience in pilot study design to evaluate population health interventions
- Sound knowledge in Research Methods, Biostatistics, Data Cleaning, Data Mining, Model Development and Interpretation, Manuscript Preparation.
- Proficient with MS Office, SAS, SQL, and familiar with other programming tools including R and Python.
- Extensive EMR experience (Epic and other platforms)
- Excellent written and oral communication skills

Professional and Leadership Positions

- 2022–present Assistant Professor – Department of Public Health and Health Sciences
Bouve College of Health Sciences and The Roux Institute
Faculty – OHDSI Center at the Roux 2022-24
Faculty Associate in the Center for Health Policy and Healthcare Research
Northeastern University, Boston MA
- 2020-present Assistant Professor and Adjunct Faculty, Healthcare Administration,
Meehan School of Business, Stonehill College, Easton MA
- 2025–present Healthcare Analytics Consultant
- 2018-2024 Data Scientist Team Lead/Health Outcomes Researcher,
Point32Health (formerly Harvard Pilgrim Health Care), Wellesley/Canton, MA
- 2016-2019 Clinical Manager-MRI,
Brigham and Women's Hospital, Boston MA
- 2007-2017 MRI Clinical Manager and MRI Technologist,
Beth Israel Deaconess Medical Center, Boston MA
- 2006-2007 Information Technology Manager,

- 2003-2006 Scholet Furniture, Oneonta NY
MRI Technology Manager, Brain Imaging Center,
California Institute of Technology, Pasadena CA

Research Interests

- Healthcare utilization, access, disparities and cost
- Evaluation methodologies for healthcare interventions
- Regression to the mean analysis
- Study design and implementation

Education

2018	PhD-Population Health	Northeastern University, Boston MA
2006	Masters of Business Administration	University of Redlands, Redlands CA
2003	BS in Computer Science and Engineering w Math Minor (w honors)	University of Colorado, Denver CO

Curricula

Graduate Courses Taught

Epidemiology
RWE Cohort Selection
RWE Standardization of Real-World Data (Graduate Online)
RWE Data Model Transformation

Undergraduate Courses Taught

Introduction to Epidemiology
US Healthcare System
Healthcare Foundations
Statistics for Healthcare Managers
Healthcare Data Analysis
Population Health
Health Sciences Service Capstone

Courses Developed

Healthcare Data Analysis
Population Health

Healthcare Quality

Data Model Transformations

Undergraduate Epidemiology (Online)

Graduate Epidemiology (Online)

RWE Cohort Selection Graduate (Online)

RWE Data Model Transformation Graduate (Online)

RWE Standardization of Real-World Data (Graduate Online)

Advising/Mentoring – Northeastern University

2026 MPH Capstone: Monique Anderson

2024/25 Population Health PhD Student: Neelam Ahmed

2024/25 Master's of Public Health Capstone Project. Student: Nayeli Rivera

2024 Research Assistant – Rowan Gokhale, RTM project

2023-24 Research Assistant. Student: Ziyue Wang. Analysis of Medicare claims data for regression to the mean publications

2022-23 Master's of Public Health Capstone Project. Student: Emelyn Miller. Title: *Developing an Adolescent Pregnancy Prevention Program in El Salvador*

Teaching Assistants – Northeastern University

2026 Joseph Labo, Soph Voller-Berdan, Dalton Boyse

2025 Lindsey Barnett, Ashley Roth, Neelam Ahmed, Elizabeth Davis, Sofia Spano, Maria-Theresa Silverio, Guna Gouri

2024 Rowan Gokhale, Leah Greene, Heather Gamache

2023 Sophia Bandiere, Ting-Ting Wu, Audrey Lessing

2022 Molly Donahue, Asayl Alzubali

Committees and Service

Northeastern University

Curriculum Coordinator – Epidemiology June 2024 –

Population Health PhD Committee 2022-

Population Health Admissions Subcommittee 2023-

Faculty Search Committees

Public Health and Health Sciences Dept 2023-2024, 2026

Stonehill College

Faculty Search Committee – Healthcare Administration Dept 2021-2022

Learning Management System Upgrade Committee 2021-22

Provost's Advisory Committee on the Center for Teaching Excellence and Learning 2022

Research Positions

2014-2018	Graduate Assistant Center for Health Policy and Healthcare Research	Northeastern University
2014-2016	Graduate Assistant Institute for Urban Health Research and Practice	Northeastern University
2012-2014	Graduate Assistant mHealth-mobile technology group.	Northeastern University

Grants

January 2017	National Research Grant. \$50k. National Institute Health Care Management. <i>"Patterns and Determinants of Inappropriate Diagnostic Imaging."</i>
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Publications

Sept 2023	Young, G. J., Zepeda, E. D., Flaherty, S., & Hasan, M. M. (2023). Physician practice migration and changes in practice style: An empirical analysis of inappropriate diagnostic imaging in primary care. <i>Production and Operations Management</i> .
July 2023	Young, G. J., Zepeda, D., Flaherty, S., & Hasan, M. M. (2023). Physician Practice Migration and Changes in Practice Style: A Study of Low-Value Diagnostic Imaging. In <i>Academy of Management Proceedings</i> (Vol. 2023, No. 1, p. 11404). Briarcliff Manor, NY 10510: Academy of Management.
Jul 2021	Young, G. J., Zepeda, D., Flaherty, S., & Thai, N. (2021). Local Physician Practice Migration and Changes in Practice Style. In <i>Academy of Management Proceedings</i> (Vol. 2021, No. 1, p. 12421). Briarcliff Manor, NY 10510: Academy of Management.
May 2021	Young, G. J., Zepeda, E. D., Flaherty, S., & Thai, N. (2021). Hospital Employment Of Physicians In Massachusetts Is Associated With Inappropriate Diagnostic Imaging: Study examines association between hospital employment of physicians and diagnostic imaging. <i>Health Affairs</i> , 40(5), 710-718.
Jan 2020	Young, G. J., Flaherty, S., Zepeda, E. D., Morteale, K., Griffith, J. (2020) Effects of Physician Experience, Specialty Training and Self-Referral on Inappropriate Diagnostic Imaging. <i>Journal of General Internal Medicine</i> . 1-7

- Mar 2019 Young, G. J., Flaherty, S., Zepeda, E. D., Singh, S., & Rosenbaum, S. (2019). Impact of ACA Medicaid Expansion on Hospitals' Financial Status. *Journal of Healthcare Management*, 64(2), 91-102. * Winner of Edgar C Hayhow award for best article in JHM 2019
- Jan 2019 Flaherty, S., Zepeda, E. D., Morteale, K., & Young, G. J. (2019). Magnitude and financial implications of inappropriate diagnostic imaging for three common clinical conditions. *International Journal for Quality in Health Care*. <https://doi.org/10.1093/intqhc/mzy248>
- Sept 2018 Flaherty, S. (2018). Patterns and Determinants of Inappropriate Diagnostic Imaging: An Investigation Using the Massachusetts All Payer Claims Database (Doctoral dissertation, Northeastern University).
- April 2018 Flaherty, S., Morteale, K., Young, G. (2018) "Utilization Trends in Diagnostic Imaging for Commercially Insured Massachusetts Residents 2009-2013" *Journal of the American College of Radiology*. DOI: 10.1016/j.jacr.2018.02.030. <https://doi.org/10.1016/j.jacr.2018.02.030>
- Jan 2018 Young, G., Flaherty, S., Zepeda, D., Singh, S., Rosen, G. (2018) "Community Benefit Spending by Tax-Exempt Hospitals Changed Little after ACA". *Health Affairs Vol. 37, No. 1*.
- Feb 2017 Geri Rosen Cramer, Simone R. Singh, Stephen Flaherty, Gary J. Young (2017) "The Progress of US Hospitals in Addressing Community Health Needs", *American Journal of Public Health* 107, no. 2 (February 1, 2017): pp. 255-261.

Conference Proceedings

- April 2026 Invited Reviewer, Becker's Healthcare Annual Meeting, Chicago IL
- October 2023 Flaherty, S. Invited Panelist – Building Data Science Teams. Becker's Health IT, Digital Health + RCM Annual Meeting: The Future of Business and Clinical Technologies. Chicago IL
- June 2023 Flaherty S. "New Tools for Evaluation: Using Gini Coefficients and Lorenz Curves to Compare Cohorts", Poster Session, 2023 Annual Research Meeting, Seattle, WA. Academy Health
- Flaherty S. "Calculating Regression to the Mean Effects When Evaluating the Cost Effectiveness of Care Management Programs", Poster Session, 2023 Annual Research Meeting, Seattle, WA. Academy Health
- June 2021 Young, G. J., Zepeda, E. D., Flaherty, S., & Thai, N. "Local Physician Practice Migration and Changes in Practice Style" Academy of Management Annual Meeting
- June 2018 Young, G., Flaherty, S., Zepeda, E. D., & Singh, S. "Provision of Community Benefits By Tax-Exempt Hospitals in the ACA Era." In 2018 Annual Research Meeting. Academy Health.
- June 2018 Flaherty, S., Morteale, K., Young, G. "Patterns and Determinants of Inappropriate Diagnostic Imaging" Academy Health Annual Research Meeting. Seattle, WA

- June 2017 Young, G., Flaherty, S., Singh, S., Rosen, G. *"State Medicaid Expansion and Hospital Financial Status."* Academy Health Annual Research Meeting. New Orleans, LA
- Nov 2011 Hackney, D., Rojas, R., Bhadelia, R., Sarkar, S., Stormann, J., Cabral-Goncalves, I., Alsop, D., Flaherty, S., La Ruche, S., Papavassiliou, E., Madhuranthakam, A., & Busse, R. (November 2011) *Brain Magnetic Resonance Imaging at Very Low RF Power for Patients with Neurological Implants: Implementation and Quality Considerations.* Annual Meeting of the Radiological Society of North America, Chicago IL

Posters

Flaherty, S. (June 2023) *Calculating Regression to the Mean Effects When Evaluating the Cost Effectiveness of Care Management Programs.* Poster Session. Academy Health Annual Research Meeting. Seattle, WA.

Flaherty, S. (June 2023) *New Tools for Evaluation: Using Gini Coefficients and Lorenz Curves to Compare Cohorts.* Poster Session. Academy Health Annual Research Meeting. Seattle, WA.

Flaherty, S., Morteale, K., & Young, G. (June 2018) *Trends in Diagnostic Imaging for Commercially Insured Massachusetts Residents 2009-2013* -Poster Session. Academy Health Annual Research Meeting. Seattle, WA.

Flaherty, S., Griffith, J., Zepeda, D., & Young, G. (June 2016) *Impact of the ACA on Hospitals' Promotion of Population Health* -Poster Session. Academy Health Annual Research Meeting, Boston MA.

Sarkar, S., Hackney, D., Papavassiliou, E., Cabral-Concalves, I., Stormann, J., & Flaherty, S., (March 2012) *Brain MRI on Patients with Indwelling Neurostimulators: A Low RF Energy Approach.* Poster presented at 7th Silverman Symposium, Beth Israel Deaconess Medical Center, Boston MA

Flaherty, S., Smith, M., Cabral-Goncalves, I., Zimetbaum, P., & Stormann, J., Liu, E., Sarkar, S., (March 2012) *MRI on Patients with the Medtronic Revo SureScan Pacemaker.* Poster presented at 7th Silverman Symposium, Beth Israel Deaconess Medical Center, Boston MA

Flaherty, S., Massey, C., M., Cabral-Goncalves, I., & Stormann, J. (March 2012) *Improving Outpatient Information in MRI.* Poster presented at 7th Silverman Symposium, Beth Israel Deaconess Medical Center, Boston MA

Cabral-Concalves, I., Hackney, D., Sarkar, S., Moonis, G., Greenman, R., Vachha, B., Flaherty, S., Dunay, D., Mangosing, J., Nagle, S., DePeiza, J., Johnson, E., & Wolforth, K., (March 2011) *Improved fat-water separated spine and dark blood arterial imaging in trauma, tumor and stroke - an "IDEAL" approach.* Poster presented at 6th Silverman Symposium, Beth Israel Deaconess Medical Center, Boston MA

Morteale, K., Smith, M., Cabral-Concalves, I., Stormann, J., Roche, K., & Flaherty, S., (March 2011) *MR defecography: A dynamic assessment of pelvic floor disorders.* Poster presented at Silverman Symposium, Beth Israel Deaconess Medical Center, Boston MA

Wei, J., Morteale, K., Bennett, A., Stormann, J., Mangosing, J. & Flaherty, S. (March 2011) MR elastography: *A non-invasive technique for evaluation & management of liver fibrosis*. Poster presented at 6th Silverman Symposium, Beth Israel Deaconess Medical Center, Boston MA

Flaherty, S. (March 2009) *Impact of Point-of-Care Creatinine Testing on Same Day Cancellations in MRI*. Poster presented at 4th Silverman Symposium, Beth Israel Deaconess Medical Center, Boston MA

Media

May 2023 Becker's Hospital Review. *How are other systems breaking down data silos? 35 leaders share*. HIT Speaker Series. <https://www.beckershospitalreview.com/hit-speaker-series-q-a/how-are-other-systems-breaking-down-data-silos-35-leaders-share.html>

Awards

Feb 2020 Edgar C Hayhow Award for best article in the Journal of Healthcare Management 2019 for article "Impact of ACA Medicaid Expansion on Hospitals' Financial Status"

June 2016 Student Scholarship Award to attend Quality and Value Interest Group Meeting at the Annual Research Meeting, Academy Health. Boston MA.

May 2013 Student Scholarship Award to attend Securing Information Technology in Healthcare: Part III (SITH3) workshop. Dartmouth College, Hanover NH.

2001-2003 Dean's List for Academic Excellence. Department of Computer Science and Engineering, University of Colorado-Denver, Denver CO.

2001 Boldtech Scholarship. Department of Computer Science and Engineering, University of Colorado-Denver, Denver CO.