

## **Martin F. Casey, MD MPH**

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### **Education and Clinical Training**

- 2020-2021      Research fellow, Department of Emergency Medicine  
**University of North Carolina**  
Chapel Hill, NC
- 2016-2020      Resident, Department of Emergency Medicine  
**Icahn School of Medicine at Mount Sinai**  
New York, NY
- 2012-2016      Doctorate of Medicine  
**Icahn School of Medicine at Mount Sinai**  
New York, NY
- 2011-2012      Masters in Public Health in Health, Policy, & Management  
Concentration in Outcomes Research  
**Columbia University Mailman School of Public Health**  
New York, NY
- 2004-2009      Bachelor of Sciences in Chemistry  
**Stanford University**  
Stanford, CA

### **Professional Experience**

- 2022-Present      Assistant Professor  
Department of Emergency Medicine  
University of North Carolina  
Chapel Hill, NC
- 2021-2022      Clinical Assistant Professor  
Department of Emergency Medicine  
University of North Carolina  
Chapel Hill, NC
- 2020-2021      Clinical Instructor  
Department of Emergency Medicine  
University of North Carolina  
Chapel Hill, NC

- 2010-2011      Healthy Policy Analyst  
The Care Management Company  
Montefiore Medical Center  
New York, NY
- 2009-2010      Team Leader, Americorps Volunteer  
City Year New York  
New York, NY

## Awards and Honors

- 2023              Scholar, National Foundation of Emergency Medicine
- 2022              Intensive Junior Investigator Program, US Deprescribing Research Network
- 2020              Advanced Research Methodology Evaluation and Design (ARMED) Scholarship,  
Society of Academic Emergency Medicine
- 2020              Outstanding Achievement in Research, Icahn School of Medicine at  
Mount Sinai, Department of Emergency Medicine Residency
- 2017              Visiting Scholar Research Fellow, American Board of Medical Specialties
- 2015              Distinction in Medical Research, Icahn School of Medicine at Mount Sinai
- 2013              Margaret E. Mahoney Research Fellow, New York Academy of Medicine
- 2011              Merit Scholarship, Columbia University Mailman School of Public Health

## Bibliography

### *Book Chapters*

**Casey MF**, Manini, AF, 2022. Synthetic cannabinoids (SC). In: Dargan PI, Wood DM (Eds). *Novel Psychoactive Substances: Classification, Pharmacology and Toxicology*, Second Edition. Elsevier, pp. 415–446.

**Casey MF**, Shah K, 2020. Nonpenetrating Eye Trauma. *In The 2020 Lifelong Learning and Self-Assessment Guide*. EB Medicine, pg 1-6. Available at:  
<https://www.ebmedicine.net/topics/LLSA/2020LLSA>

**Casey MF**, 2018. Cat Bite. *In Nelson B (Eds). Acute Care Cases*, First edition. Oxford University Press, pp 146-150. DOI: 10.1093/med/9780190865412.003.0029

### *Peer-Reviewed Articles*

**Casey MF**, Niznik J, Anton G, Selman K, Meyer ML, Kelley CJ, Busby-Whitehead J, Goldberg E, Davenport K, Roberts E. Prevalence of Fall-risk Increasing Drugs in Older Adults Presenting with Falls to the Emergency Room. *Acad Emerg Med*. 2023 Apr 22;. doi: 10.1111/acem.14743. [Epub ahead of print]

King BL, Meyer ML, Chari SV, Hurka-Richardson K, Bohrmann T, Chang PP, Rodgers JE, Busby-Whitehead J, **Casey MF**. Accuracy of the electronic health record's problem list in describing multimorbidity in patients with heart failure in the emergency department. *PLoS One*. 2022;17(12):e0279033. doi: 10.1371/journal.pone.0279033.

**Casey MF**, Price L, Markwalter D, Bohrham T, Tsujimoto TM, Lavin K, Hanson L, Feng-Chang L, Platts-Mills TF. An Educational Intervention to Increase Advance Care Planning Activities among Emergency Medicine Providers during the COVID-19 Pandemic. *Am J Hosp Palliat Care*. 2022 Nov;39(11):1358-1363. doi: 10.1177/10499091211072850.

**Casey MF**, Richardson L, Weinstock MB, Lin MP. Cost Variation and Revisit Rate for Patients with Asthma Presenting to the Emergency Department. *Am J Emerg Med*. 2022 Sep 16;61:179-183. doi: 10.1016/j.ajem.2022.09.021.

Melnick ER, Nash B, Dziura JD, **Casey MF**, Jeffrey MM, Paek H, Soares WE, Hoppe JA, Rajeevan H, Li F, Skains RM, Platts-Mills TF, Hess EP, D'Onofrio G. User centered clinical decision support to implement initiation of buprenorphine for opioid use disorder in the emergency department: EMBED pragmatic cluster randomized controlled trial. *BMJ*. 2022 Jun 27;377:e069271.doi: 10.1136/bmj-2021-069271.

Soares WE, Melnick ER, Nath B, D'Onofrio G, Paek H, Skains RM, Walter LA, **Casey MF**, Napoli A, Hoppe JA, Jeffrey MM. Emergency Department Visits for Nonfatal Opioid Overdose During the COVID-19 Pandemic Across Six US Health Care Systems. *Ann Emerg Med*. 2022 Feb;79(2):158-167. doi: 10.1016/j.annemergmed.2021.03.013.

Lieberman-Cribbin W, Galsky M, **Casey M**, Liu B, Oh W, Flores R, Taioli E. Hospital Centralization Impacts High-Risk Lung and Bladder Cancer Surgical Patients. *Cancer Invest*. 2017 Nov 26; 35(10):652-661. doi: 10.1080/07357907.2017.1406495.

Ramos JD, **Casey MF**, Crabb SJ, Bamias A, Harshman LC, Wong Y, Bellmunt J, Giorgi UD, Ladoire S, Powles T, Pal SK, Niegisch G, Sternberg CN, Alva A, Agarwal A, Necchi A, Vaishampayan UN, Rosenberg JE, Galsky MD, Yu EY, RISC Investigators. The Khorana Score in Predicting Venous Thromboembolism for Patients With Metastatic Urothelial Carcinoma and Variant Histology Treated With Chemotherapy. *Clin Appl Thromb Hemost*. 2017 Oct 1; 23(7): 755-760. doi: 10.1177/1076029616668405.

Ramos JD, **Casey MF**, Crabb SJ, Bamias A, Harshman LC, Wong Y, Bellmunt J, Giorgi UD, Ladoire S, Powles T, Pal SK, Niegisch G, Sternberg CN, Alva A, Agarwal A, Necchi A, Vaishampayan UN, Rosenberg JE, Galsky MD, Yu EY, RISC Investigators. Venous Thromboembolism in Metastatic Urothelial Carcinoma or Variant Histologies: Incidence, Associative Factors, and Effect on Survival. *Cancer Med*. 2017 Jan; 6(1):186-194. doi: 10.1002/cam4.986.

**Casey MF**, Wisnivesky J, Le V, Sarpel U, Stensland KD, Galsky MD. The Relationship between Centralization of Care and Geographic Barriers to Cystectomy for Bladder Cancer. *Bladder Cancer*. 2016 Jul 27;2(3): 319-327. doi: 10.3233/BLC-160058.

Schulman RF, Moshier EL, Rho L, **Casey MF**, Godbold JH, Zaidi M, & Mechanick JI. Intravenous Pamidronate for Elevated Bone Resorption is Associated with Improved Clinical Outcomes and Renal Function in Patients with Chronic Critical Illness. *Endocr Pract*. 2016 Jul; 22(7): 799-808. doi: 10.4158/EP151050.OR.

Galsky MD, Stensland KD, Moshier E, Sfakianos J, McBride RB, Tsao CK, **Casey M**, Boffetta P, Oh WK, Wisnivesky J. Effectiveness of Adjuvant Chemotherapy for Locally Advanced Bladder Cancer. *J Clin Oncol*. 2016 Mar 10;34(8):825-32. doi: 10.1200/JCO.2015.64.1076.

**Casey MF**, Gross T, Stensland KD, Wisnivesky J, Oh WK, Galsky MD. The Impact of Regionalization of Cystectomy on Racial Disparities in Bladder Cancer Care. *J Urol*. Jul 2015; 194(1): 36-41. doi: 10.1016/j.juro.2015.01.076.

**Casey MF**, Mechanick JI. Anti-Obesity Agents and the US Food and Drug Administration. *Curr Obes Rep.* 2014; 3(3): 361-7. doi: 10.1007/s13679-014-0115-x.

Schulman RF, Moshier EL, Rho L, **Casey MF**, Godbold JH, Mechanick JI. Association of Glycemic Control Parameters with Clinical Outcomes in Chronic Critical Illness. *Endocr Pract.* 2014; 18: 1-27. doi: 10.4158/EP13324.OR.

**Casey MF**, Neidell M. Disconcordance in Statistical Models of Bisphenol A and Chronic Disease Outcomes in NHANES 2003-08. *PLoS One.* 2013; 6 (11). doi: 10.1371/journal.pone.0079944.

*Peer-Reviewed Articles in Press / Submitted:*

**Casey MF**, Hallmark J, Chang PP, Rodgers JE, Mehta A, Chari SV, Skersick P, Bohrmann T, Goyal P, Meyer ML. Emergency department use of heart failure-exacerbating medications in patients with chronic heart failure. 12 pages. Manuscript under development.

Selman K, Kelley CJ, Anton G, Niznik J, Roberts E, **Casey MF**, Davenport K. Deprescribing Inappropriate Medications From the Emergency Department for Older Adults Presenting With Falls. 14 pages. Manuscript under development.

*Invited Commentaries and Unrefereed Articles*

**Casey MF**, Markwalter DW. Incorporating End-of-Life Care into the Management of Dead on Arrival Patients in the Emergency Department: Invited Commentary. *J Emerg Nurs.* 2021 Jul;47(4):521-523. doi: 10.1016/j.jen.2021.05.001.

Shah K, **Casey MF**. Are Pigtail Catheters as Safe and Effective as Chest Tubes for the Initial Treatment of Pneumothorax? *BEEM Journal.* 2018 December;18(12):11-12.

*Conference Oral Presentations*

**Casey MF**. Pruning the Pillbox: How to Start Thinking About Deprescribing in Your Emergency Department. Oral Presentation at: 2023 Society for Academic Emergency Medicine Annual Meeting. May 16-19, 2023; Austin, TX. Sponsored by Academy of Geriatric Emergency Medicine.

**Casey MF**, Chang PP, Rodgers JE, Hallmark J, Mehta A, Chari SV, Skersick P, Bohrmann T, Goyal P, Meyer ML. Emergency department use of heart failure-exacerbating medications in patients with heart failure. Oral Presentation at: 2022 Society for Academic Emergency Medicine Annual Meeting; May 10-13, 2022; New Orleans, LA.

**Casey MF**, Richardson LD, Weinstock MB, Lin MP. Cost Variation and Association with Revisits Among Emergency Department Visits for Asthma. American Board of Medical Specialties Conference; Sept 24, 2018; Las Vegas, NV.

**Casey MF**, Gross T, Stensland KD, Wisnivesky J, Oh WK, Galsky MD. Geographic and Racial Disparities in the Utilization of High Volume Surgical Centers for Bladder Cancer. The Commonwealth Fund; Sept 4th, 2013 ; New York, NY.

*Conference Abstracts*

Klickstein LC, Niznik J, Fenton V, Meyer ML, Busby-Whitehead J, Davenport K, Roberts E, Goyal P, Goldberg E, **Casey MF**. Prevalence of Drug-Drug Interactions That Elevate Bleeding Risk in Older Adults Presenting with Falls. Society of Academic Emergency Medicine Conference; May 16-19, 2023; Austin, TX.

Selman K, Kelley CJ, Anton G, Niznik J, Roberts E, **Casey MF**, Davenport K. Deprescribing Inappropriate Medications From the Emergency Department for Older Adults Presenting With Falls. Society of Academic Emergency Medicine Conference; May 16-19, 2023; Austin, TX.

**Casey MF**, Niznik J, Anton G, Meyer ML, Kelley CJ, Busby-Whitehead J, Davenport K, Roberts E. Burden of Fall-risk Increasing Drugs in Older Adults Presenting with Falls to the Emergency Room. Poster presentation at: The Gerontological Society of America Annual Scientific Meeting 2022; Nov 2-6, 2022; Indianapolis, IN.

King B, Meyer ML, Chari SV, Hurka-Richardson K, Bohrmann T, Chang PP, Rodgers JE, Busby-Whitehead J, **Casey MF**. Accuracy of the Electronic Health Record's Problem List in Describing Multimorbidity in Patients with Heart Failure in the Emergency Department. Poster presentation at: 2022 EPI|Lifestyle Scientific Sessions; March 1-4, 2022; Chicago, IL

Melnick E, **Casey M**, Dziura J, Jeffery M, Soares W, Hoppe RJ. 57 EMBED: A Pragmatic Trial of User-Centered Clinical Decision Support to Implement EMergency Department-Initiated BuprenorphinE for Opioid Use Disorder. Plenary presentation at American College of Physicians Scientific Assembly; Oct 25-28, 2021; Boston, MA.

Mehta A, **Casey MF**, Aylward A, Shams RB, Bush M, Platts-Mills TF. Predicting Food Insecurity among Older Adults in the Emergency Department. Oral presentation at: 2021 American College of Emergency Physicians Scientific Assembly; Oct 25-28, 2021; Boston, MA

Soares WE, Melnick ER, Nath B, D'Onofrio G, Paek H, Skains RM, Walter LA, **Casey MF**, Napoli A, Hoppe JA, Jeffery MM. Emergency Department Visits for Nonfatal Opioid Overdose during the COVID-19 Pandemic across 6 US Healthcare Systems. Society of Academic Emergency Medicine Conference; May 2021 ; Virtual meeting.

Price LE, **Casey MF**, Markwalter D, Bohrmann T, Tsujimoto TM, Lavin K, Hanson LC, Chang LF, Platts-Mills TF. An Educational Intervention to Increase Advance Care Planning Activities Among Emergency Medicine Providers During the COVID-19 Pandemic [abstract]. In: 2021 Virtual Annual Scientific Meeting of the American Geriatrics Society; 2021 May 13; Virtual: AGS. Abstract nr 3549811.

**Casey MF**, Richardson LD, Weinstock MB, Lin MP. Cost Variation and Association With Revisits Among Emergency Department Visits for Asthma. SAEM National Conference 2018.

Weinstock MB, **Casey MF**, Jaffe AS, Mattu A, Kaide C, Ortho F, VanFossen D, Hess EP. Etiology of Myocardial Ischemia in Emergency Department Chest Pain Patients With Two Negative Initial Troponins, Nonischemic ECG, and Nonconcerning Vital Signs. ACEP Scientific Assembly 2018.

Galsky MD, Stensland K, Moshier E, Sfakianos J, McBride R, Tsao SK, **Casey M**, Hall S, Bofetta P, Oh WK, Wisnivesky J. Comparative Effectiveness of Adjuvant Chemotherapy versus Observation in Patients with  $\geq$  pT3 and/or pN+ Bladder Cancer (BCa). ASCO Genitourinary Cancers Symposium 2015.

Ramos JD, **Casey MF**, Crabb SJ, Bamias A, Harshman LC, Wong Y, Bellmunt J, Giorgi UD, Ladoire S, Powles T, Pal SK, Niegisch G, Sternberg CN, Alva A, Agarwal A, Necchi A, Vaishampayan UN, Rosenberg JE, Galsky MD, Yu EY, RISC Investigators. Impact of Chemotherapy on Venous Thromboembolism and Prognostic Implications in Metastatic Urinary Tract Tumors. ASCO Genitourinary Cancers Symposium 2015.

**Casey MF**, Gross T, Stensland KD, Wisnivesky J, Oh WK, Galsky MD. Geographic and Racial Disparities in the Utilization of Low Volume/Very Low Volume Cystectomy Hospitals for Bladder Cancer. ASCO Genitourinary Cancers Symposium 2014.

**Teaching Activities***Lectures*

- April 2023 “Ethics of Authorship”  
Pediatric Emergency Medicine Research Seminar  
Department of Pediatrics, University of North Carolina at Chapel Hill
- June 2022 “How to start a research project”  
Pediatric Emergency Medicine Research Seminar  
Department of Pediatrics, University of North Carolina at Chapel Hill
- June 2022 “Emergency department treatment of opioid use disorder”  
Emergency Medicine Interest Group  
School of Medicine, University of North Carolina at Chapel Hill
- Apr 2022 “Not just another clinical decision tool... EHR integration of EMBED in the treatment of opioid use disorder”  
UNC Emergency Medicine Grand Rounds  
Department of Emergency Medicine, University of North Carolina at Chapel Hill
- Feb 2022 “EMBED: A Pragmatic Trial of User Centered Clinical Decision Support for EEmergency Department Initiated BuprenorphinE for Opioid Use Disorder”  
UNC Health Informatics Seminar  
School of Medicine, University of North Carolina at Chapel Hill
- June 2021 “How to prepare an elevator pitch”  
Intensive Summer Research Training in Emergency Medicine Program  
Department of Emergency Medicine, University of North Carolina at Chapel Hill
- Jan 2021 “COVID-19 in New York City”  
Emergency Medicine Interest Group  
School of Medicine, University of North Carolina at Chapel Hill
- Oct 2020 “COVID-19 in New York City”  
Emergency Medicine Faculty Development  
Department of Emergency Medicine, University of North Carolina at Chapel Hill
- Feb 2019 “Cervical Spine Fractures”  
Trauma Conference  
Department of Emergency Medicine, Icahn School of Medicine at Mount Sinai
- June 2019 “Grand Rounds: Morbidity and Mortality”  
Department of Emergency Medicine, Icahn School of Medicine at Mount Sinai

*Courses*

- 2018-2020 Assistant Instructor, Advanced Cardiac Life Support Course  
Icahn School of Medicine at Mount Sinai
- 2016-2020 Resident Educator, Gross Anatomy Simulations of Emergent Procedures  
Icahn School of Medicine at Mount Sinai
- 2012 Teaching Assistant, Introduction to Biostatistics  
School of Public Health at the Icahn School of Medicine at Mount Sinai
- 2012 Teaching Assistant, Introduction to Epidemiology  
Icahn School of Medicine at Mount Sinai
- 2012 Teaching Assistant, Decision Analysis  
Columbia University Mailman School of Public Health

2012 Teaching Assistant, Health Economics  
Columbia University Mailman School of Public Health

### *Mentorship*

2023-Current Arielle Johnston, MD Candidate  
Funded by Short Term Research Training Program (STRT),  
Grant # T35-DK007386  
Role: Primary Mentor

2023-Current Emily Brinston, MD Candidate

2023-Current Madiha Siddiqu, BS Candidate

2022-Current Lindsay Klickstein , MD Candidate  
Funded by Intensive Summer Research Training in Emergency Medicine (ISTEM),  
Grant # 1T35HL134624-01  
Role: Primary Mentor

2022-2023 Brendan Decenso, MD (Resident Physician)  
Senior Resident Scholarly Project; Role: Primary Mentor  
Award: Best Scholarship Project, UNC EM Residency

2022-2023 Victoria Fenton, MD (Resident Physician)  
Senior Resident Scholarly Project; Role: Primary Mentor  
Award: Runner-up for Best Scholarship Project, UNC EM Residency

2021-2023 Brandon King, MD Candidate  
Funded by Intensive Summer Research Training in Emergency Medicine (ISTEM),  
Grant # 1T35HL134624-01  
Role: Primary Mentor

2021-2022 Joy Hallmark, MD (Resident Physician)  
Senior Resident Scholarly Project; Role: Primary Mentor

2020-2022 Laiken Price, MD Candidate  
Funded by Medical Student Training in Aging Research, Grant # T35-HL134624  
Role: Primary mentor

2020-2022 Aakash Mehta, MD Candidate  
Funded by Carolina Medical Student Research Program (CMSRP)  
Role: Primary Mentor

2022-2023 Daniel Markwalter, MD (Resident Physician)  
Senior Resident Scholarly Project; Role: Primary Mentor  
Award: Best Scholarship Project, UNC EM Residency

### *Resident Education*

2022-present Faculty Journal Club Leader (6 mtg/year)

**Grants***Pending Research Support*

NFEM Scholar Award Casey (PI) 07/2023-06/2025

Deprescribing from the emergency department

The National Foundation of Emergency Medicine provides financial support for my work in understanding ED-based deprescribing of potentially harmful medications in older adults.

Role: PI

Amount: \$60,000

Percent Effort: 10%

*Ongoing Research Support*

USDeN Casey (PI) 03/2023-02/2024

Pilot study on missed opportunities to reduce inappropriate aspirin use in the emergency department

Many older adults take aspirin without clear indication, a scenario in which harms likely outweigh benefits. This study seeks to understand if bleeding events in the emergency department lead to meaningful reevaluation of aspirin use in older adults.

Role: PI

Amount: \$5,000

Percent Effort: 0%

SAEMF Casey (PI) 07/2022-06/2024

Albuterol use in Patients with Heart Failure and Obstructive Pulmonary Disease

This project will provide new information on the use of albuterol in the pre-hospital and emergency department setting among patients with concurrent heart failure and chronic obstructive pulmonary disease. Further the project will explore associations between albuterol use and patient outcomes using active comparator new user design, which may help inform clinical care of undifferentiated dyspnea.

Role: PI

Amount: \$25,000

Percent Effort: 5%

NIDA-1UG3DA047003 Melnick T; D'Onofrio G (Co-PI) 08/2020-03/2023

EMBED: Pragmatic Trial of User-Centered Clinical Decision Support to Implement Emergency Department-Initiated Buprenorphine for Opioid Use Disorder

The goal of this project is to evaluate the effect of user-centered computerized clinical decision support for emergency department (ED) patients with opioid use disorder upon rates of ED-initiated buprenorphine and referral for ongoing medication assisted treatment through a multicenter, pragmatic implementation trial.

Role: Co-I

Amount: \$819,454

Percent Effort: 15%

*Completed Research Support*

NC TraCS Pilot Grant Casey (PI) 08/2020-03/2021

North Carolina Translational and Clinical Sciences Institute

Emergency Department-Based Goals of Care Conversations in Patients with COVID-19 Infection: Planning for a Cluster Randomized Trial

This study will optimize an advance care planning conversations (ACP) toolkit intervention for ED physicians,



obtain pre- and post-intervention estimates of ED ACP conversations for COVID-19 infected patients, and validate an automated data collection process to assess completion of ED-based ACP. This work will be used to support a healthcare system-wide trial of an ED-based intervention to promote ACP conversations in patients with COVID-19 infection.

Role: PI

Amount: \$24,841

Percent Effort: 0%

ABMS Visiting Scholar

Lin (PI)

06/2017-07/2019

American Board of Medical Specialties

Cost variation and revisit rate for adult patients with asthma presenting to the emergency department

The goal of this study was to examine variation in cost and revisit rates for adult patients with asthma treated in the emergency department. The study further explored for whether costs associated with care were associated with the likelihood of a return visit to the emergency department within seven days.

Amount: \$12,500

Role: ABMS Visiting Scholar

Percent Effort: 0%

Margaret E. Mahoney Research Fellow

Galsky (PI)

06/2014-07/2015

New York Academy of Medicine

Centralization of complex cancer procedures for bladder cancer and subsequent impact on geographic and racial disparities

The study sought to describe the phenomenon of centralization of bladder cancer surgeries to high-volume centers. Using publicly available data from Statewide Planning and Research Cooperative System, we described how centralization has affected racial and geographic disparities in access to care for bladder cancer.

Amount: \$4,000

Role: NYAM Research Fellow

Percent Effort: 0%

## Professional Service

### *Hospital Committees*

2021-present	Member, Chest Pain / ACS Interprofessional Committee Chest Pain Center, UNC Medical Center
2019-2020	Member, Pulmonary Embolism Response Team Department of Medicine, Pulmonary and Critical Care, Mount Sinai Hospital
2018-2020	Member, Ulcerative Colitis Committee Department of Gastroenterology, Mount Sinai Hospital
2018-2020	Coordinator, Residency Journal Club, Department of Emergency Medicine Mount Sinai Hospital & Elmhurst Hospital
2016-2020	Clinical Quality Reviewer & Leader, Department of Emergency Medicine Mount Sinai Hospital & Elmhurst Hospital

### *National Committees*

2023-Present	Geriatric Emergency Department Accreditation American College of Emergency Physicians
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2022-Present	Junior Scholar, US Deprescribing Research Network
2021-Present	Member, Geriatric Emergency care Applied Research Network
2021-Present	Member, Geriatric Emergency Department Collaborative Guideline Committee
2021-Present	Investigator, Heart Failure Working Group Atherosclerosis Risk in Communities Study

*Professional Organization Membership*

2022-present	USDeN (US Deprescribing Research Network)
2022-present	GEDC (Geriatric Emergency Department Collaborative)
2021-present	GEAR (Geriatric Emergency Care Applied Research Network)
2020-present	AGEM (Academy of Geriatric Emergency Medicine)
2016-present	SAEM (Society for Academic Emergency Medicine)
2016-present	ACEP (American College of Emergency Physicians)
2016-2020	EMRA (Emergency Medicine Residents Association)

*Ad hoc Journal Review*

2022-present	Peer reviewer, ERJ Open
2021-present	Peer reviewer, Journal of Emergency Nursing
2019-present	Peer reviewer, Annals of Emergency Medicine
2017-2021	Peer reviewer, JAMA Oncology

*Certification and Licensure*

2022	Board Certification, American Board of Emergency Medicine
2020	Buprenorphine Waivered Practitioner, Substance Abuse and Mental Health Service Administration
2019	Practical Emergency Airway Management, Center for Emergency Medical Education
2017	Sexual Assault Forensic Examiner, SAFE Program
2014-2017	National Board of Medical Examiners Step I, Step II CS, Step II CK, and Step III
2016	Federal Drug Enforcement Administration- Controlled Substances License
2016	ACLS, ATLS, PALS certified

## Research Statement

I am a clinician-researcher with a focus on outcomes research in the Department of Emergency Medicine at the University of North Carolina at Chapel Hill. My primary research interest is understanding how the accumulation of chronic conditions complicates the care of older patients seeking emergency care. There are several facets to research: (1) Defining multimorbidity clusters, or specific patterns of co-morbid conditions, that lead to worse patient outcomes. (2) Identify and describe therapeutic conflicts (i.e., a drug-disease interaction whereby a treatment for one condition may exacerbate another) occur among multimorbid patients. (3) Identify opportunities to deprescribe potentially inappropriate medications among older adults presenting to the emergency department. My current research is being developed under the guidance of my research mentorship team, including Dr. Michelle Meyer (aging & cardiovascular epidemiology) and Dr. Jan Busby-Whitehead (geriatrics, deprescribing). In the short-term, I hope to obtain an NIH-funded Career Development Award.

In my prior research endeavors, I evaluated both clinical interventions and system-level factors that affect patient outcomes. I worked with multiple large observational datasets including AHRQ's State Emergency Department Databases and New York's Statewide Planning and Research Cooperative System as well as registry data from the Retrospective International Study of Cancers of the Urothelium. Further, I currently serve as the site PI on the Pragmatic Trial of User-Centered Clinical Decision Support to Implement Emergency Department-Initiated Buprenorphine for Opioid Use Disorder (EMBED, NIDA-1UG3DA0470030; PIMelnick). The EMBED trial is an implementation science grant on how to structure the electronic medical record to encourage ED physicians to initiate and prescribe suboxone for opioid use disorder.

**Teaching Statement**

As a clinician and researcher, I have experienced the joys of teaching in numerous settings. I enjoy the pleasure of working directly with medical residents, often teaching directly at the patient bedside. As an emergency medicine clinician, I get to help residents develop both procedural competency as well as cognitive skills. I am a firm believer of the 'see one, do one, teach one' philosophy as residents progress through their training and ultimately transition to becoming independent practitioners. Understanding the spectrum of teaching is highly relevant as I work with medical students and residents and routinely must cater my teaching level to their skill level. The greatest value of teaching is that it forces me to maintain a standard of excellence in my own clinical practice and pushes me to stay up to date with the latest developments in emergency medicine.

As a member of the School of Medicine faculty, I have also had the pleasure to step into more formal settings to convey knowledge through simulation and lecture-based teaching. I believe in an interactive teaching approach that allows for enhanced communication and bi-directional learning. I hope to impart my joy for emergency medicine on the students and to cultivate a natural love for learning.