

Georgetown University School of Medicine
Curriculum Vitae, March 2025

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CONTACT INFORMATION

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1. PERSONAL INFORMATION

A. Education

Undergraduate: Philadelphia College of Pharmacy/University of the Sciences in Philadelphia, Philadelphia, PA, 1995-2000, BS in Pharmacy, *summa cum laude*

Graduate Education: Philadelphia College of Pharmacy/University of the Sciences in Philadelphia, Philadelphia, PA, 2000-2001, Doctor of Pharmacy, *summa cum laude*
The George Washington University, Washington, DC, 2010-2013, Master of Public Health; Environmental and Occupational Health
Erasmus University, Rotterdam Netherlands, 2015-2019, Doctor of Philosophy
Thesis title: Prescription Drug Shortages: Implications for Public Health and Potential Solutions

Medical Education: Medical Education: Temple University School of Medicine, Philadelphia, PA, 2002-2006, Doctor of Medicine degree

Internship: Hospital of the University of Pennsylvania, Philadelphia, PA, Emergency Medicine, 2006-2007; Program Director: Francis DeRoos, MD

Residency: Hospital of the University of Pennsylvania, Philadelphia, PA, Emergency Medicine, 2007-2010; Program Director: Francis DeRoos, MD

Fellowship: National Capital Poison Center, Washington, DC, Medical Toxicology, 2010-2012; Program Director: Cathleen Clancy, MD
Children's National Medical Center, Washington, DC, Clinical Pharmacology, 2012-2014; Program Director: John van den Anker, MD, PhD

B. Professional Experience

Faculty Appointments

2021 –Present	Professor of Emergency Medicine, Georgetown University School of Medicine, Washington, DC
2019 –2022	Adjunct Associate Professor of Pediatrics, George Washington University School of Medicine, Washington, DC
2018 –2019	Adjunct Assistant Professor of Pediatrics, George Washington University School of Medicine, Washington, DC
2017 –2021	Associate Professor of Emergency Medicine, Georgetown University School of Medicine, Washington, DC
2014 –2017	Assistant Professor of Emergency Medicine, Georgetown University School of Medicine, Washington, DC
2012 –2014	Assistant Clinical Professor of Emergency Medicine, The George Washington University, Washington, DC
2012 –2014	Adjunct Instructor, Department of Pediatrics, The George Washington University, Washington, DC
2013 –2014	Adjunct Instructor, Department of Emergency Medicine, The George Washington University, Washington, DC
2007 – 2008	Preceptor, Working Professional Doctor of Pharmacy Program, University of Florida School of Pharmacy, Gainesville, FL

Employment and Consulting

2023 – Present	Content writer, WebPOISONCONTROL
2023 – 2025	Co-medical Director, National Capital Poison Center, Washington, DC
2021 – Present	Per diem hyperbaric medicine coverage, Georgetown University Hospital, Washington, DC
2020 – Present	MAC3 telehealth/triage physician, MedStar Health, Washington, DC, MD, VA
2019 – Present	Periodic legal consulting, expert witness, medical toxicology/pharmacology emergency medicine
2017 – Present	Consultant, Food and Drug Administration Drug Safety and Risk Management Advisory Committee, Silver Spring, MD
2014 – Present	Attending Physician, Department of Emergency Medicine, MedStar Washington Hospital Center, Washington, DC
2013 – 2023	Consultant, Mid-Atlantic Center for Children's Health and the Environment, Washington, DC
2012 – 2023	Medical Toxicology Consultant/Staff Toxicologist, National Capital Poison Center, Washington, DC
2011 – 2022	Attending Physician, Department of Emergency Medicine, Children's National Medical Center, Washington, DC
2010 – 2014	Attending Physician, Department of Emergency Medicine, The George Washington University Hospital, Washington, DC
2010 – 2012	Attending Physician, Department of Emergency Medicine, Prince George's Hospital Center, Cheverly, MD
2011 – 2012	ACLS Instructor, The George Washington University Clinical Simulation Center, Washington, DC
2011 – 2012	Pharmacist Specialist in Poison Information, National Capital Poison Center, Washington DC
2010 – 2014	Maritime Medical Access Physician, The George Washington University Medical Faculty Associates, Washington, DC

2010 – 2012	Onsite Medical Access Physician, The George Washington University Medical Faculty Associates, Washington, DC
2010 – 2011	ACLS Instructor, University of Pennsylvania Clinical Simulation Center, Philadelphia, PA
2000 – 2012	Staff Pharmacist, CVS/Pharmacy, Philadelphia, PA
2000 – 2012	Staff Pharmacist, Lower Bucks Hospital, Bristol PA
1995 – 2000	Pharmacy Intern, CVS/Pharmacy, Philadelphia, PA
1994 – 1995	Pharmacy Technician, Rx Place, Lakewood, NJ

C. Licensure

2011 – Present	Virginia Medical License (0101248945) Renewal due: 10/24
2011 – Present	Registered Pharmacist, Washington, DC (PH100000923) Renewal due: 2/25
2010 – Present	Washington, DC Medical License (MD038574) Renewal due: 12/24
2010 – Present	Maryland Medical License (D0070309) Renewal due: 9/25

D. Specialty Certifications

Primary Specialty Certifications

2005 – Present	Board Certified Pharmacotherapy Specialist, Board of Pharmaceutical Specialties (3050063363) Renewal due: 12/26
2011 – Present	Diplomate, American Board of Emergency Medicine (48651) Renewal due: 12/26

Subspecialty Certifications

2019 – Present	Diplomate, American Board of Preventative Medicine, Addiction Medicine (61-18743) Renewal due: 12/29
2016 – Present	Diplomate, American Board of Clinical Pharmacology (201601)
2015 – 2019	Diplomate, American Board of Addiction Medicine (2015017) Renewal due: 12/25-transitioned to American Board of Preventative Medicine
2012 – Present	American Board of Emergency Medicine, Medical Toxicology (48651) Renewal due: 12/27

Other Certifications

2015	DATA 2000 training, buprenorphine X-waiver
2010 – Present	Certified Immunizing Pharmacist, American Pharmacists Association
2010 – Present	Neonatal Resuscitation Program
2007 – Present	Pediatric Advanced Life Support
2006 – Present	Advanced Cardiac Life Support
2006 – Present	Advanced Trauma Life Support

Other Certificates

2020	Course Completion, International ATMO Hyperbaric Medicine Team Training
2020	Course Completion, International ATMO Wound Care Course
2012 – 2013	Principles of Pediatric Clinical Pharmacology, National Institutes of Health
2012 – 2013	Principles and Practice of Clinical Research, National Institutes of Health
2010 – 2011	Principles of Clinical Pharmacology, National Institutes of Health

E. Languages Spoken

English: fluent, native proficiency

2. RESEARCH AND SCHOLARLY ACTIVITIES

A. Publications

Original Papers in Refereed Journals

1. Haberman S, Sheykhsoltan, **Mazer-Amirshahi M**, Ramdin C, Nelson L, Mete M. Treatment experience and motivation to change in positive emergency department substance use screens and acute overdoses. *American Journal of Emergency Medicine*, 2025. DOI: 10.1016/j.ajem.2025.01.013. PMID: 39799102.
2. Ramdin C, McGowan T, Perrone J, **Mazer-Amirshahi M**, Nelson LS. Buprenorphine administration and prescribing at emergency department visits: a national analysis from 2014-2021. *Journal of Addiction Medicine*, 2024. DOI: 10.1097/ADM.0000000000001402. PMID: 39514888.
3. Ramdin C, Chen E, Nelson L, **Mazer-Amirshahi M**. Gabapentinoid prescribing patterns and predictors utilizing neural networks: an analysis across emergency departments nationwide between 2012-2021. *American Journal of Emergency Medicine*, 2024;85:59-64. DOI: 10.1016/j.ajem.2024.08.033. PMID: 39236451.
4. Whitledge JD, Soto P, Glowacki KM, Calello DP, **Mazer-Amirshahi, M**. Trends in shortages of lead chelators from 2001-2022. *Journal of Pediatric Pharmacology and Therapeutics*, 2024. 29(3):306-315. DOI: 10.5863/1551-6776-29.3.306. PMID: 38863853.
5. Gentile T, Snee I, Watson Heinrichs D, Hockstein M, Fox E, **Mazer-Amirshahi M**. The empty code cart: drug shortages over time. *American Journal of Health Systems Pharmacy*, 2024. DOI: 10.1093/ajhp/zxae150. PMID: 38800925.
6. Ramdin C, Mina G, Nelson L, **Mazer-Amirshahi M**. Benzodiazepine discharge prescriptions across the United States between 2012-2019: A national analysis. *Journal of Addiction Medicine*, 2024. DOI: 10.1097/ADM.0000000000001310. PMID: 38776422.
7. Makutonin M, Ramdin C, Meltzer A, **Mazer-Amirshahi M**, Lewis Nelson. Concurrent alcohol and opioid intoxication in emergency department patients leads to greater resource utilization. *Substance Use and Misuse*, 2024: 1-6. DOI: 10.1080/10826084.2023.2294963. PMID: 38192231.

8. Ramdin C, Mina G, Nelson LS, **Mazer-Amirshahi M**. Opioid and benzodiazepine co-prescribing trends from the emergency department from 2012-2019: a national analysis. *Journal of Emergency Medicine* 2023; S0736-4679(23)00457-2. DOI: 10.1016/j.jemermed.2023.08.017. PMID: 37919187.
9. Oskvarek JJ, Blutinger EJ, Pilgrim R, Joshi AU, Lin MP, **Mazer-Amirshahi M**, Miller G, Smiley A, Wright Becker C, Pines JM. Beyond the Four Walls: The American College of Emergency Physicians (ACEP) 2022 New Practice Models Task Force Report. *Annals of Emergency Medicine*, 2023. S0196-0644(23)01174-5. PMID: 3777937.
10. Ramdin C, Makutonin M, Nelson LS, Meltzer A, **Mazer-Amirshahi M**. Outcomes and resource utilization of patients presenting to the emergency department with opioid and benzodiazepine prescribing. *Emergency Medicine Journal*, 2023. DOI: 10.1136/emermed-2023-213180. PMID: 37669833.
11. Sutariya R, Hamzeh M, Desale S, Mete M, **Mazer-Amirshahi M**, Nelson LS. Impact of the COVID-19 pandemic on emergency department alcohol intoxication presentations and positive screens for problem drinking. *Alcohol and Alcoholism*. 2023; agad053. DOI: 10.1093/alcalc/agad053. Epub ahead of print. PMID: 37553859.
12. Goodwin G, Marra E, Ramdin C, Alexander AB, Ye PP, Nelson LS, **Mazer-Amirshahi M**. A national analysis of ED presentations for early pregnancy and complications: implications for post-Roe America. *American Journal of Emergency Medicine*. 2023;70:90-95. DOI: 10.1016/j.ajem.2023.05.011. PMID: 27245403.
13. Harvey H, Cacciapuoti M, Ramadan L, Brodie K, Gibson C, Tefera E, Yu G, Motov S, Nelson LS, **Mazer-Amirshahi M**. Efficacy and tolerability of oral morphine vs. oxycodone/acetaminophen for analgesia in the emergency department. *Journal of Opioid Management*, 2023;19:273-80. PMID: 37245929.
14. Pourmand A, Alremeithi R, Ransanz S, Couperus S, **Mazer-Amirshahi M**, Yang J, Tran, Q. Cyclobenzaprine utilization for musculoskeletal back pain, analysis of 2007–2019 National Hospital Ambulatory Medical Care Survey Data. *American Journal of Emergency Medicine*, 2023. DOI: 10.1016/j.ajem.2023.03.025. PMID: 36965470.
15. Whitledge JD, Soto P, Glowacki KM, Fox ER, **Mazer-Amirshahi M**. Shortages of agents used to treat antimuscarinic delirium. *American Journal of Emergency Medicine*, 2023;67:163-167. DOI: 10.1016/j.ajem.2023.02.036. PMID: 36893630.
16. Patel A, Sushko K, **Mazer-Amirshahi M**, Pfuma Fletcher E, Fusch G, Chan O, Aghayi A, KC Chan A, Lacaze-Masmonteil T, van den Anker J, Samiee-Zafarghandy S. Availability of safe and effective therapeutic options to pregnant and lactating individuals following the Pregnancy and Lactation Labeling Rule. *Journal of Pediatrics*, 2023. DOI: 10.1016/j.jpeds.2023.01.016. PMID: 3680675.
17. Ramdin C, Bikkina R, Nelson LS, **Mazer-Amirshahi M**. Trends in amphetamine prescriptions given at discharge in emergency departments: a national analysis (2012-2019). *American Journal of Emergency Medicine*, January 2023;66:91-97. DOI:10.1016/j.ajem2023.01.042. PMID: 36738570.

18. Ramdin C, Chandran K, Nelson LS, **Mazer-Amirshahi M.** Trends in Naloxone Prescribed at Emergency Department Discharge: A National Analysis (2012-2019). *American Journal of Emergency Medicine*, 2023; DOI: 10.1016/j.ajem.2023.01.006. PMID: 36638613.
19. Patel R, Samiee-Zafarghandy S, Ziesenitz V, Fox ER, van den Anker J, Ong H, **Mazer-Amirshahi M.** Impact of U.S. Prescription Drug Shortages on the World Health Organization Model List of Essential Medicines for Children - a Cross-Sectional Study. *American Journal of Health Systems Pharmacy*, 2022. DOI:10.1093/ajhp/zxac210. PMID: 35913934.
20. Mullins PM, **Mazer-Amirshahi M**, Pourmand A, Perrone J, Nelson LS, Pines JM. Tramadol use in U.S. emergency departments (2007-2018). *Journal of Emergency Medicine*, 2022. DOI: 10.1016/j.jemermed. 2022.01.004. PMID 35370038.
21. Chandran K, **Mazer-Amirshahi M**, Shankar N, Desale S, Nelson LS, Mete M. The impact of COVID-19 pandemic on emergency department substance use screens and overdose presentations. *American Journal of Emergency Medicine*, 2021. DOI:10.1016/j.ajem.2021.08.058. PMID: 34509745.
22. Deutsch A, Gajdosik, Ramdin C, Tebo C, **Mazer-Amirshahi M**, Fox R, Colorado J, Nelson LS, Perrone J. The impact of parenteral opioid medications shortages on opioid utilization practices in the emergency department of two university hospitals. *Journal of Medical Toxicology*, 2021. DOI: 10.1007/s13181-021-00842-7. PMID: 33905078.
23. Rossheim M, Livingston M, Walker D, Reid N, Liu L, **Mazer-Amirshahi M.** Supersized alcopop related calls in the National Poison Data System, 2010-2019. *Drug and Alcohol Dependence*, 2021. DOI:10.1016/j.drugalcdep.2021.108657. PMID: 33713974.
24. Mullins P, Merriman J, Jaffe T, **Mazer-Amirshahi M**, Weiner S. Trends in evaluation and management of back pain in US emergency departments, 2007-16. *Pain Medicine*, 2020. DOI: 10.1093/pnnaa385. PMID: 33338224.
25. Tebo C, **Mazer-Amirshahi M**, Wax P, Campleman S, Boyer E, Brent J, Sheth A, Daniuaityte R, Carlson R. Characterizing trends in synthetic cannabinoid use from structured patient interviews during medical toxicology consultation. *Journal of Psychoactive Drugs*, 2020. DOI: 10.1080/02791072.2020.1851826. PMID: 33225872.
26. **Mazer-Amirshahi M**, Sun C, Koroshetz L, Soares R, Kumar A, Calello D, Perrone J, Nelson L. Emergency department patients' perceptions of the efficacy and safety of opioid analgesics. *Journal of Opioid Management*, 2020; 6: 239-246. DOI: 10.5055/jom.2020.0577. PMID: 32885831.
27. Raja P, Duffett M, **Mazer-Amirshahi M**, Patel A, Gilpin A, Litalien C, Chan A, van den Anker J, Lacaze-Masmonteil, Samiee-Zafarghandy S. Where are we with pediatric drug data in Canadian drug monographs? *Canadian Medical Association Journal Open*, 2020. DOI: 10.9778/cmajo.20200010. PMID: 32873580.
28. Tebo C, **Mazer-Amirshahi M**, Zocchi MS, Gibson C, Rosenwohl Mack S, Hsia RY, Fox ER, Nelson, LS, Pines JM. The rising cost of commonly used emergency department medications (2006-15). *American Journal of Emergency Medicine*, 2020. DOI: 10.1016/j.ajem.2020.02.010. PMID: 32081556.

29. Pourmand A, Lombardi K, Roberson J, **Mazer-Amirshahi M.** Patterns of benzodiazepine administration and prescribing to older adults in U.S. emergency departments. *Aging Clinical and Experimental Research*, 2020. DOI:10.1007/s40520-020-01496-1. PMID: 32056152.
30. Carpenter J, Murray BP, **Mazer-Amirshahi M**, Laes J, Nacca N, Nelson LS, Perrone J, Schwarz E, Wiegand T, Wax P. Leadership roles in opioid stewardship and the treatment of patients with opioid use disorder among medical toxicologists. *Journal of Medical Toxicology*, 2019. DOI: 10.1007/s13181-019-00752-9. PMID: 31863312.
31. Mullins P, **Mazer-Amirshahi M**, Levy P, Pines J. National trends in emergency department visits for chief complaint of hypertension (2001-15). *American Journal of Emergency Medicine*, 2019. DOI: 10.1016/j.ajem.2019.10.004. PMID: 31848039.
32. Ali M, Cutler E, Mutter R, Henke R, **Mazer-Amirshahi M**, Pines J, Cummings N. Opioid prescribing rates from the emergency department: down but not out. *Drug and Alcohol Dependence*, 2019. DOI: 10.1016/j.drugalcdep.2019.107636.
33. Lombardi K, Pines JM, **Mazer-Amirshahi M**, Pourmand A. Findings of a national dataset analysis on the visits of patients individuals to U.S. emergency departments during 2005-15. *Public Health* 2019. DOI: 10.1016/j.puhe.2019.09.003. PMID: 31644986.
34. Friedrich J, Sun C, Geng X, Calello D, Gillam M, Medieros K, Smith M, Ruck B, **Mazer-Amirshahi M.** Child and adolescent benzodiazepine exposure and overdose in the United States: 16 years of poison center data. *Clinical Toxicology*, 2019. DOI:10.1080/15563650.2019.1674321. PMID: 31612741.
35. Ali MM, Tehrani AB, Mutter R, Henke RM, Cutler E, Pines JM, **Mazer-Amirshahi M.** Factors associated with potentially problematic opioid prescriptions among individuals with private insurance and Medicaid. *Addictive Behaviors* 2019. DOI: 10.1016/j.addbeh.2019.06.005. PMID: 31247535.
36. Ali MM, Cutler E, Mutter R, Henke RM, O'Brien M, Pines JM, **Mazer-Amirshahi M**, Diou-Cass J. Opioid use disorder and prescribed opioid regimens: evidence from commercial and Medicaid claims, 2005-2015. *Journal of Medical Toxicology*, 2019. DOI:10.1007/s13181-019-00715-0. PMID: 31152355.
37. Ali MM, Tehrani A, Mutter R, Henke RM, O'Brien M, Pines JM, **Mazer-Amirshahi M.** Potentially problematic opioid prescriptions among individuals with private insurance and Medicaid. *Psychiatric Services*, 2019. DOI: 10.1176/appi.ps.201800555. PMID: 31056003.
38. Ali MM, Henke RM, Mutter R, O'Brien PL, Cutler E, **Mazer-Amirshahi M**, Pines JM. Family member opioid prescriptions and opioid use disorder. *Addictive Behaviors* 2019;95:58-63. PMID: 30849719.
39. Donnelly K, Zocchi M, Katy T, Fox E, Pines J, van den Anker J, **Mazer-Amirshahi M.** Prescription drug shortages: implications for pediatric emergency and critical care. *Pediatric Emergency Care* 2019; DOI:10.1097/PEC.0000000000001773. PMID: 30829846.
40. Tebo C, **Mazer-Amirshahi M**, DeGeorge L, Gelfand B, Leach C, Tolliver S, Sauter D. Suspected Synthetic Cannabinoid Receptor Agonist Intoxication: Does Analysis of Samples

Reflect the Presence of Suspected Agents? American Journal of Emergency Medicine
2018;DOI: 10.1016/j.ajem.2018.12.044. PMID: 30595429.

41. **Mazer-Amirshahi M**, Fox ER, Zocchi M, Pines JM, van den Anker J. Trends in U.S. sterile solutions shortages, 2001-2017. American Journal of Health Systems Pharmacy 2018; 75:1903-8. PMID: 30463866.
42. Ziesenitz V, Fox E, Zocchi, Samiee-Zafarghandy S, van den Anker J, **Mazer-Amirshahi M**. Prescription drug shortages: impact on neonatal intensive care. Neonatology, 2018;115:108-15. PMID: 30384374.
43. **Mazer-Amirshahi M**, Ladkany D, Mullins PM, Motov S, Perrone J, Nelson LS, Pines JM. Trends in and predictors of hydromorphone administration in U.S. emergency departments, 2007-13. Journal of Opioid Management, 2018;14:265-72. PMID: 30234923.
44. Tatusov M, **Mazer-Amirshahi M**, Abassi A, Goyal M. Clinical effects of synthetic cannabinoid exposures admitted to the intensive care unit. American Journal of Emergency Medicine, 2018. DOI: 10.1016/j.ajem.2018.08.048. PMID: 30146395.
45. Marra E, **Mazer-Amirshahi M**, Mullins PM, Pines JM. Opioid prescribing and administration in older adults in U.S. emergency departments, 2001-15. Western Journal of Emergency Medicine 2018; DOI: 10.5811/westjem.2018.5.37853. PMID: 30013704.
46. Henke RM, Tehrani AB, Ali MM, Mutter R, **Mazer-Amirshahi M**, O'Brien PL, Mark TL. Opioid prescribing to adolescents in the United States, 2005-16. Psychiatric Services 2018; DOI: 10.1176/appi.ps.201700562. PMID: 29983109.
47. Kiechle E, McKenna C, Zeymo A, Carter H, Gelfand B, DeGeorge L, Sauter D, **Mazer-Amirshahi M**. Prevalence of medication allergy and adverse drug event reconciliation discrepancies in an urban, academic emergency department. Journal of Medical Toxicology 2018. DOI: 10.1007/s13181-018-0671-7. PMID: 29968185.
48. Donnelly K, Zocchi M, Katy T, Fox E, van den Anker J, **Mazer-Amirshahi M**. Prescription drug shortages: implications for pediatric ambulatory care. Journal of Pediatrics 2018. DOI: 10.1016/j.jpeds.2018.04.008. PMID: 29752177.
49. Ziesenitz V, **Mazer-Amirshahi M**, Zocchi M, Fox E, May L. Trends in US vaccine and immunoglobulin shortages 2001-15. American Journal of Health-System Pharmacy, 2017; DOI: 10.2146/ajhp170066. PMID 28970246.
50. Patel J, Fox E, Zocchi M, Lee Z, **Mazer-Amirshahi M**. Trends in United States Drug Shortages for Medications Used in Gastroenterology (2001 – 2014). Medicine Access @ Point of Care 2017;1:e58-64. DOI: 10.5301/maapoc.0000012.
51. Meltzer AC, Pines JM, Richards L, Mullins P, **Mazer-Amirshahi M**. US emergency department visits for adults with abdominal and pelvic pain (2007-13): trends in demographics, resource utilization, and medication usage. American Journal of Emergency Medicine 2017. DOI: 10.1016/j.ajem.2017.06.019. PMID: 28641981.

52. **Mazer-Amirshahi M**, Goyal M, Umar S, Fox E, Zocchi M, Hawley K, Pines JM. U.S. drug shortages for medications used in adult critical care, 2001-16. *Journal of Critical Care* 2017;41:283-8. PMID: 28622641.
53. Sampayo EM, **Mazer-Amirshahi M**, Camp EA, Zorc JJ. Initiation of a Controller Medication during a pediatric emergency visit for asthma: A randomized clinical trial. *Annals of Emergency Medicine* 2017. DOI:10.1016/j.annemergmed.2017.01.005. PMID: 28262319.
54. Mullins PM, **Mazer-Amirshahi M**, Pines JM. Alcohol-related visits to United States emergency departments, 2001-2011. *Alcohol and Alcoholism* 2017;52:119-25. PMID: 27998923.
55. Bhat R, **Mazer-Amirshahi M**, Sun C, Vaughns J, Dynin M, Tefara E, Towle D, Goyal M. Accuracy of rapid sequence intubation medication dosing in obese patients intubated in the emergency department. *American Journal of Emergency Medicine* 2016;34:2423-25. PMID: 27727068.
56. **Mazer-Amirshahi M**, Sun C, Mullins P, Perrone J, Nelson L, Pines JM. Trends in emergency department resource utilization for poisoning-related visits 2003-11. *Journal of Medical Toxicology* 2016;12:248-54. PMID: 27342464.
57. Ware C, Ajabnoor Y, Mullins P, **Mazer-Amirshahi M**, Pines J, May L. A retrospective cross-sectional study of patients treated in U.S. emergency departments and ambulatory care clinics with sexually transmitted infections from 2001-2010. *American Journal of Emergency Medicine* 2016;34:1808-11. PMID: 27329297.
58. **Mazer-Amirshahi M**, Mullins P, Sun C, Pines JM, Nelson LS, Perrone J. Trends in opioid analgesic use in encounters involving physician trainees in U.S. emergency departments. *Pain Medicine* 2016;0:1-8. PMID: 28025373.
59. Hawley K, **Mazer-Amirshahi M**, Zocchi M, Fox E, Pines J. Longitudinal trends in U.S. drug shortages for medications used in emergency departments. *Academic Emergency Medicine*, 2016;23:63-9. PMID: 26715487.
60. Marra E, **Mazer-Amirshahi M**, Brooks G, van den Anker J, May L, Pines J. Benzodiazepine prescribing among older adults in U.S. emergency departments and ambulatory clinics, 2001-2010. *Journal of the American Geriatric Society* 2015; 63:2074-81. PMID:26415836.
61. Choo EK, **Mazer-Amirshahi M**, Juurlink D, Kobner S, Scott K, Linn M. The prescription opioid epidemic: Social media response to the resident's perspective article. *Annals of Emergency Medicine* 2016;67:40-8. PMID: 26169929.
62. **Mazer-Amirshahi M**, Hawley K, Zocchi M, Fox E, Pines J, Nelson L. Drug shortages in the United States: implications for medical toxicology. *Clinical Toxicology* 2015;56:519-24. PMID: 25951876.
63. Quadri F, **Mazer-Amirshahi M**, Fox E, Hawley K, Zocchi M, Pines J, May L. Antibacterial Drug Shortages from 2001 to 2013: Implications for Patient Safety in Clinical Practice. *Clinical Infectious Disease* 2015;60:1737-42. PMID: 25908680.

64. **Mazer-Amirshahi M**, Perman S, Grossestreuer A, Neumar R, Gaiseski D. Magnesium depletion in patients treated with therapeutic hypothermia after cardiac arrest. *Therapeutic Hypothermia and Temperature Management* 2014;4:188-92. PMID: 25247997.
65. **Mazer-Amirshahi M**, Rasooly I, Brooks G, Pines J, May L, van den Anker J. The impact of pediatric labeling changes on prescribing of cough and cold medications. *Journal of Pediatrics* 2014;165:1024-28.e1. PMID: 25195159.
66. Samiee-Zafarghandy S, **Mazer-Amirshahi M**, van den Anker J. Trends in Pediatric Clinical Pharmacology Data in U.S. Pharmaceutical Labeling. *Archives of Disease in Childhood* 2014; 99:862-5. PMID: 25063853.
67. **Mazer-Amirshahi M**, Dewey K, Mullins P, van den Anker J, Pines J, Perrone J, Nelson L. Trends in opioid analgesic prescribing for headaches in U.S. emergency departments. *American Journal of Emergency Medicine* 2014;32:1068-73. PMID: 25091873.
68. Rasooly I, Mullins P, **Mazer-Amirshahi M**, van den Anker J, Pines J. The impact of race on analgesia use among pediatric emergency department patients. *Journal of Pediatrics* 2014;165:618-21. PMID: 24928697.
69. **Mazer-Amirshahi M**, Samiee-Zafarghandy S, Grey G, van den Anker J. Trends in pregnancy labeling and data quality for U.S. approved pharmaceuticals. *American Journal of Obstetrics and Gynecology* 2014;165:618-21. PMID: 24912093.
70. **Mazer-Amirshahi M**, Mullins PM, van den Anker J, Meltzer A, Pines JM. Rising rates of proton pump inhibitor prescribing in U.S. emergency departments. *American Journal of Emergency Medicine* 2014;32:618-22. PMID: 24721025.
71. **Mazer-Amirshahi M**, Mullins P, van den Anker J, Pines J. Trends in prescription opioid utilization in pediatric emergency department patients. *Pediatric Emergency Care* 2014; 30:230-5. PMID: 24651218.
72. **Mazer-Amirshahi M**, Mullins P, Rasooly I, van den Anker J, Pines J. Rising opioid prescribing in U.S. emergency departments: 2001 to 2010. *Academic Emergency Medicine* 2014;21:236-43. PMID: 24628748.
73. **Mazer-Amirshahi M**, Reid N, van den Anker J, Litovitz T. Effect of cough and cold medication restriction and label changes on pediatric ingestions reported to U.S. poison centers. *Journal of Pediatrics* 2013;163:1372-76. PMID: 23769500.
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Abstracts for Conference Papers and Posters

Oral Abstracts and Platforms Presented at National and International Meetings

1. Whitledge J, Burns M, Farmer B, Fox E, **Mazer-Amirshahi M**; on behalf of the Toxicology Investigators Consortium (ToxCIC). Drug shortage outcomes and solutions reported to the ToxCIC Registry over a 22-Month Period. Abstract accepted for presentation at the American College of Medical Toxicology Annual Scientific Meeting, April 2025, Vancouver, CA.
2. Ramdin C, Kennedy-Wood K, Shifrin D, Nelson L, **Mazer-Amirshahi M**. Characterizing Emergency Department Visits and Resource Utilization for Psychiatric Complaints. Presented the Society of Academic Emergency Medicine Annual Meeting, May 2024, Phoenix, AZ.
3. Cogan A, Arellano F, Iwanger J, Kennedy-Wood, K, Chou J, Verwiel C, Larynowicz, M, Hockstein M, Drescher G, **Mazer-Amirshahi M**. Post-intubation sedation and analgesia following succinylcholine or rocuronium administration. Presented at the Society of Academic Emergency Medicine Annual Meeting, May 2024, Phoenix, AZ.
4. Sheykhsoltan M, **Mazer-Amirshahi M**, Nelson LS, Mete M. Substance and treatment experience and motivation to change reported during peer recovery intervention in the emergency department. Presented at the American College of Medical Toxicology Annual Scientific Meeting, April 2024, Washington, DC.
5. NAC-GAP study group. Consensus-Based Recommendations for the Out-of-Hospital Management of Acetaminophen Poisoning in the United States and Canada. Presented at the North American College of Clinical Toxicology Annual Meeting, September, 2023. Montreal, CA.
6. Ramdin C, Mina G, **Mazer-Amirshahi M**, Nelson L. Opioid and Benzodiazepine Co-Prescribing at Emergency Department Discharge from 2012-2019. Presented at the American Society of Addiction Medicine Annual Meeting, April 2023, Washington, DC.
7. Makutonin M, Ramdin C, Mazer-Amirshahi M, Nelson L, Meltzer A. Concurrent Alcohol Use in Emergency Department Patients with Opioid Poisoning Leads to Higher Resource Utilization. Presentation at the Society for Academic Emergency Medicine Annual Meeting, May 2023, Austin, TX.
8. North American Consensus Guidelines for Acetaminophen Poisoning (NAC-GAP) panel. Consensus-Based Recommendations for the Out-of-Hospital Management of Acetaminophen Poisoning in the United States and Canada. Presented at the North American Congress of Clinical Toxicology Annual Meeting, October 2022. San Francisco, CA.

9. Ramdin C, Makutonin M, Meltzer A, **Mazer-Amirshahi M**, Nelson L. Outcomes and resource utilization of patients presenting to the emergency department with opioid and benzodiazepine poisoning. Presented at the American College of Emergency Physicians Research Forum, October 2022, San Francisco, CA.
10. Whitledge J, Fox E, **Mazer-Amirshahi M**. U.S. Shortages of agents used to treat poisonings over the last 10 years (2012-21). Presented at the North American Congress of Clinical Toxicology Annual Meeting, September 2022, San Francisco, CA.
11. **Mazer-Amirshahi M**, Sutariya R, Desale S, Mete M. Impact of the COVID-19 pandemic on emergency department alcohol intoxication presentations and positive screens for problem drinking. Presented at the American College of Medical Toxicology, Annual Scientific Meeting, March 2022.
12. George J, Patel A, van den Anker J, **Mazer-Amirshahi M**, Fusch G, Chan A, Samiee-Zafarghandy S. Pediatric drug information in the labeling of cardiovascular drugs approved by FDA and Health Canada. Abstract accepted for presentation at the Pediatric Academic Societies Annual Meeting, Philadelphia, PA, April 2020.
13. Quan T, Aljohani B, **Mazer-Amirshahi M**, Pourmand A. Utilization of quinolones among patients presenting to U.S. emergency departments. Abstract accepted for presentation at the Society for Academic Emergency Medicine Annual Meeting, Denver, CO, May 2020.
14. Houser C, Abbott, Meyer K, Schmucker D, **Mazer-Amirshahi M**, Dubin J, Wilson M. Reducing opioid administration in the emergency department for patients with musculoskeletal neck and back pain. Presented at the Society for Academic Emergency Medicine Annual Meeting, Las Vegas, NV, May 2019.
15. Gibson C, **Mazer-Amirshahi M**, Zocchi M, Fox E, Rosenwahl-Mack S, Hsia R, Nelson LS, Pines JM. Increased costs associated with commonly used emergency department medications. Presented at the Society for Academic Emergency Medicine Annual Meeting, Las Vegas, NV, May 2019.
16. Spyres M, Reiderer A, Campleman S, **Mazer-Amirshahi M**, Brent J, Wax P. Utilizing the TOXIC Network to assess the impact of opioid and benzodiazepine misuse/abuse in older adults. Presented at the American College of Medical Toxicology Annual Scientific Meeting, San Diego, CA, April 2019.
17. Marra E, **Mazer-Amirshahi M**, Mullins P, Pines J. Opioid administration and prescribing in older adults in U.S. emergency departments 2001-11. Presented at the Mediterranean Emergency Medicine Conference, Lisbon, Portugal, September 2017.
18. **Mazer-Amirshahi M**, Zocchi M, Fox E, Hsia R, Nelson LS, Pines JM. Increased costs associated with commonly used emergency department medications. Presented at the Society for Academic Emergency Medicine Annual Meeting, Orlando, FL, May 2017.
19. **Mazer-Amirshahi M**, Mullins PM, Pines JM. Emergency department visits for uncomplicated hypertension, 2003-12. Presented at the Society for Academic Emergency Medicine Annual Meeting, Orlando FL, May 2017.

20. Tatusov M, **Mazer-Amirshahi M**, Abassi A, Goyal M. Clinical effects of synthetic cannabinoid exposures admitted to the intensive care unit. Presented at the Society of Critical Care Medicine Annual Congress, Honolulu, HI, January 2017.
21. **Mazer-Amirshahi M**, Ladkany D, Mullins P, Perrone J, Pines J, Nelson L. Predictors of hydromorphone administration in U.S. Emergency Departments, 2007-11. Presented at the American College of Emergency Physicians Annual Research Forum, Las Vegas, NV, October 2016.
22. **Mazer-Amirshahi M**, Mullins P, Richards L, Meltzer A, Pines JM. Predictors of opioid analgesic administration for abdominal pain in the emergency department. Presented at the American College of Emergency Physicians Annual Research Forum, Las Vegas, NV, October 2016.
23. Sun C, Bhat R, **Mazer-Amirshahi M**, Dynin M, Vaughns J, Tefara E, Towle D, Goyal M. Appropriateness of rapid sequence intubation medication doses in obese vs. non obese patients. Presented at the Society for Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 2016.
24. **Mazer-Amirshahi M**, Mullins P, Perrone J, Nelson LS, Pines JM. Trends in emergency department utilization for poisoning-related visits, 2003-11. Presented at the Society for Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 2016.
25. **Mazer-Amirshahi M**, Mullins P, Richards L, Meltzer A, Pines JM. Emergency department utilization of opioid analgesics vs. non-opioid therapies for abdominal pain. Presented at the Society for Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 2016.
26. Meltzer A, **Mazer-Amirshahi M**, Mullins P, Richards L, Pines JM. Trends in CT utilization for emergency department patients presenting with abdominal pain. Presented at the Society for Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 2016.
27. Meltzer A, **Mazer-Amirshahi M**, Mullins P, Richards L, Pines JM. Recent trends in abdominal pain for emergency department visits: younger patients, more repeat visits, more severe pain. Presented at the Society for Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 2016.
28. Sun C, Bhat R, **Mazer-Amirshahi M**, Dynin M, Vaughns J, Tefara E, Towle D, Goyal M. Appropriateness of rapid sequence intubation medication doses in obese vs. non obese patients. Presented at the Society of Critical Care Medicine Annual Congress, Orlando, FL, February 2016.
29. Umar S, Goyal M, Fox E, Zocchi M, Pines JM, Hawley KL, **Mazer-Amirshahi M**. Longitudinal Trends in U.S. Drug Shortages for Medications Used in Critical Care (2001 – 2014). Presented at the Society of Critical Care Medicine Annual Meeting, Orlando, FL, February 2016.
30. Mullins P, **Mazer-Amirshahi M**, Pines J. Trends in alcohol-related emergency department visits and resource utilization, 2001-10. Presented at the North American Congress of Clinical Toxicology, San Francisco, CA, October 2015.

31. Ziesenitz V, van den Anker J, **Mazer-Amirshahi M**. Availability of pediatric formulations for the 100 most prescribed drugs in pediatric ambulatory care-2002 vs. 2010. Presented at the European Society for Developmental, Perinatal, and Paediatric Pharmacology meeting, Belgrade Serbia, June 2015.
32. **Mazer-Amirshahi M**, Fox E, Hawley K, Zocchi M, Pines J, Nelson L. Drug shortages: implications for medical toxicology. Abstract presented at the Society for Academic Emergency Medicine Annual Meeting, San Diego CA, May 2015.
33. **Mazer-Amirshahi M**, Mullins P, Perrone J, Nelson L. Utilization patterns of carisoprodol in ambulatory clinics and emergency departments, 2001-2010. Presented at the American College of Medical Toxicology Annual Scientific Meeting, Clearwater Beach, FL, March 2015.
34. **Mazer-Amirshahi M**, D'Orazio J, Mullins, P, Nelson L, Perrone J. Ambulatory care and emergency department prescribing practices do not account for gender differences in opioid analgesic-related deaths. Presented at the American College of Medical Toxicology Annual Scientific Meeting, Clearwater Beach, FL, March 2015.
35. **Mazer-Amirshahi M**, Mullins P, Pines JM, Perrone J, Nelson LS. Trends in opioid prescribing for acute headache in U.S. emergency departments. Presented at the Society for Academic Emergency Medicine Annual Meeting, Dallas TX, May 2014.
36. **Mazer-Amirshahi M**, Mullins P, Meltzer A, van den Anker J, Pines J. Rising rates of proton pump inhibitor prescribing in U.S. emergency departments. Presented at the Society for Academic Emergency Medicine Annual Meeting, Dallas TX, May 2014.
37. **Mazer-Amirshahi M**, Mullins PM, van den Anker J, Pines JM, Perrone J, Nelson LS. Trends in opioid analgesic prescribing in U.S. emergency departments for low-acuity visits. Presented at the Society for Academic Emergency Medicine Annual Meeting, Dallas TX, May 2014.
38. **Mazer-Amirshahi M**, Brooks G, Marra E, van den Anker J, May, L, Pines JM. Analgesic prescribing for older adults in U.S. emergency departments: 2001 to 2010. Presented at the Society for Academic Emergency Medicine Annual Meeting, Dallas TX, May 2014.
39. **Mazer-Amirshahi M**, Rasooly I, Brooks G, Pines J, May L, van den Anker J. Impact of pediatric labeling changes on prescribing patterns of over-the-counter cough and cold medications. Presented at the Pediatric Academic Society Annual Meeting, Vancouver Canada, May 2014.
40. **Mazer-Amirshahi M**, Mullins P, Pines JM, Nelson LS, Perrone J. Trends in opioid prescribing in U.S. emergency departments based on provider level of training . Presented at the American College of Medical Toxicology Annual Scientific Meeting, Phoenix AZ, March 2014.
41. **Mazer-Amirshahi M**, Mullins P, Pines JM, Perrone J, Nelson LS. Trends in opioid prescribing for acute headache in U.S. emergency departments. Presented at the American College of Medical Toxicology Annual Scientific Meeting, Phoenix, AZ, March 2014.
42. **Mazer-Amirshahi M**, Brooks G, Marra E, Pines J, van den Anker J, May L. Benzodiazepine prescribing among older adults in emergency departments and ambulatory clinics. Presented at the American Society of Clinical Pharmacology and Therapeutics Annual Meeting, Atlanta GA, March 2014.

43. Sampayo EM, Chew A, Mechak J, Skilton F, **Mazer M**, Scarfone R, Zorc J. Initiation of inhaled corticosteroids after a pediatric emergency visit for asthma: a randomized clinical trial. Presented at the American Academy of Pediatrics Annual Meeting, San Francisco CA, October 2010.
44. **Mazer M**, Perrone J, Peacock NJ, Hollander JE, McCusker C, DeRoos F. Medication reconciliation in emergency department triage is inaccurate and incomplete. Presented at the Society of Academic Emergency Medicine Annual Meeting, New Orleans, LA, May 2009.

Abstract Posters Presented at National and International Meetings

1. Whitedge J, Burns M, Farmer B, Fox E, **Mazer-Amirshahi M**; on behalf of the Toxicology Investigators Consortium (ToxCiC). Drug shortage outcomes and solutions reported to the ToxCiC Registry over a 22-Month Period. Abstract accepted for presentation at the American College of Medical Toxicology Annual Scientific Meeting, April 2025, Honolulu, HI.
2. Laub D, **Mazer-Amirshahi**, Stolbach A, Aldy K, Brent J, Campleman S, Culbreth R, Krotulski A, Burkhardt K, Wax P; On behalf of the ToxCiC DOTS Study Group. Synthetic cathinones among patients presenting to emergency departments with life-threatening or severe overdose. Abstract presented at the North American Congress of Clinical Toxicology, September 2024, Denver, CO.
3. Ramdin C, Rabindradat P, **Mazer-Amirshahi M**, Jain I, Vernon N, Nelson LS. Administration and Prescribing of Medications for Alcohol Use Disorder During COVID-19. Presented at the American Society of Addiction Medicine Annual Meeting, April 2024, Dallas, TX.
4. Couperous C, Tran Q, Groussis M, **Mazer-Amirshahi M**, Ahari J, Bronstein D, McLaughlin E, Pourmand A. A national analysis of emergency department visits for hypertension, 2015 to 2021. Presentation at the Society of Academic Emergency Medicine Annual Meeting, May 2024, Phoenix, AZ.
5. Haberman S, Nelson LS, Mete M, **Mazer-Amirshahi M**. Substance and Prior Treatment Experience and Motivation to Change Reported During Peer Recovery Intervention Following an Overdose. Presented American College of Medical Toxicology Annual Scientific Meeting, April 2024, Washington, DC.
6. Kennedy-Wood, K, Ramdin C, Nelson LS, **Mazer-Amirshahi M**. Medication administration and resource utilization in psychiatric patients with substance use disorder during prolonged emergency department boarding times. Presented at the American College of Medical Toxicology Annual Scientific Meeting, April 2024, Washington, DC.
7. Whitedge J, Burns M, Farmer B, Fox E, **Mazer-Amirshahi M**, on behalf of the Toxicology Investigators Consortium. Drug shortage outcomes and solutions reported to the ToxCiC Registry over a six-month period. Presented at the American College of Medical Toxicology Annual Scientific Meeting, April 2024, Washington, DC.
8. Ramdin C, McGowan T, Nelson LS, Perrone J, **Mazer-Amirshahi M**. Characteristics and trends in buprenorphine administration during emergency department visits and prescribing at

discharge from 2014-2020: a national analysis. Presented at the North American College of Clinical Toxicology Annual Meeting, September, 2023. Montreal, CA.

9. Levine M, Pizon A, Boyle K, Schwarz E, Sharma S, Carey S, **Mazer-Amirshahi M**, Hendrickson R, Olives T, Heard K, On Behalf of the Toxicology Investigators Consortium (ToxIC) FACT Study Group. Adverse Drug Events Associated With Remdesivir Among Hispanic Populations. Presented at the American College of Medical Toxicology Annual Scientific Meeting, April 2023, San Diego, CA.
10. Drobina J, **Mazer-Amirshahi M**. Tacrolimus toxicity due to enzyme inhibition from ritonavir. Presented at the American College of Medical Toxicology Annual Scientific Meeting, April 2023, San Diego, CA.
11. Mazer-Amirshahi M, Dart R, et al. Consensus guidelines for the management of acetaminophen poisoning in the U.S. and Canada. Presented at the American College of Medical Toxicology Annual Scientific Meeting, April 2023, San Diego, CA.
12. Templeton M, Soto P, **Mazer-Amirshahi M**, Fournet M. An unlucky mushroom foraging: accidental *Amanita phalloides* ingestion with delayed presentation in the DC Metro Area. Presented at the American College of Medical Toxicology Annual Scientific Meeting, April 2023, San Diego, CA.
13. Soto P, Fox E, Johnson-Arbor K, **Mazer-Amirshahi M**. Drug shortages impacting lead chelators. Presented at the American College of Medical Toxicology, Annual Scientific Meeting, March 2022.
14. Soto P, Fox E, Johnson-Arbor K, **Mazer-Amirshahi M**. Drug shortages impacting agents for anticholinergic delirium. Presented at the American College of Medical Toxicology, Annual Scientific Meeting, March 2022.
15. Mullins M, Merriman J, Jaffe T, **Mazer-Amirshahi M**. After hours to US emergency departments for painful conditions. Presented at the American Academy of Pain Medicine Annual Meeting, April, 2021.
16. Soto P, Mullins P, Nelson L, **Mazer-Amirshahi M**. After hours poisoning and overdose presentations to emergency departments. Presented at the American College of Medical Toxicology Annual Scientific Meeting, April 2021.
17. Hack K, **Mazer-Amirshahi M**, Campleman S, Karshenas D, Pizon A. Observations impacting pregnancy in the ToxIC registry. Presented at the American College of Medical Toxicology Annual Scientific Meeting, April 2021.
18. Shankar N, **Mazer-Amirshahi M**, Chandran K, Desale S, Nelson LS, Mete M. Racial differences in emergency department substance abuse presentations and substance abuse screens. Presented at the American College of Medical Toxicology Annual Scientific Meeting, April 2021.
19. Shankar N, **Mazer-Amirshahi M**, Chandran K, Desale S, Perrone J, Mete M. Gender differences in emergency department substance abuse presentations and substance abuse screens. Presented at the American College of Medical Toxicology Annual Scientific Meeting, April 2021.

20. Chandran K, **Mazer-Amirshahi M**, Shankar N, Desale S, Nelson LS, Mete M. Impact of the COVID-19 pandemic on emergency department substance use presentations and substance use screens. Presented at the American College of Medical Toxicology Annual Meeting, April 2021.
21. Harvey H, Cacciapuoti M, Ramadan L, Brodie K, Tefara E, Yu G, Motov S, **Mazer-Amirshahi M**. Efficacy and tolerability of oral morphine vs. oxycodone/acetaminophen for analgesia in the emergency department. Abstract accepted for presentation at the Society for Academic Emergency Medicine Annual Meeting, Denver, CO, May 2020.
22. Ong H, Ziesenitz V, van den Anker J, Fox ER, **Mazer-Amirshahi M**. U.S. shortages of medications included in the 2019 WHO Model List of Essential Medicines for Children. Abstract accepted for presentation at the Pediatric Academic Societies Annual Meeting, Philadelphia, PA, April 2020.
23. Mullins PM, Pourmand A, Perrone J, Nelson LS, Pines JM, **Mazer-Amirshahi M**. Trends in emergency department tramadol utilization, 2007-16. Presented at the American College of Medical Toxicology Annual Scientific Meeting, New York, NY, March 2020.
24. Mullins P, Merriman J, **Mazer-Amirshahi M**, Weiner S. Trends in evaluation and management of back pain in U.S. emergency departments, 2007-16. Presented at the American Academy of Pain Medicine Annual Meeting, National Harbor, MD, February 2020.
25. Tebo C, **Mazer-Amirshahi M**, Campleman S, Boyer E, Brent J, Sheth A, Wax, P, Carlson R. Characterizing trends in synthetic cannabinoid use from structured patient interviews during medical toxicology consultation. Presented at the North American Congress of Clinical Toxicology, September 2019, Nashville, TN.
26. Raja P, Duffett M, **Mazer-Amirshahi M**, Patel A, van den Anker J, Chan A, Samiee-Zafarghandy S. Pediatric drug data in Canadian drug monographs. Presented at the Pediatric Academic Societies Annual Meeting, April 2019, Baltimore MD.
27. Samiee-Zafarghandy S, Patel A, Fusch G, Chan A, van den Anker J, **Mazer-Amirshahi M**. The effect of the Pregnancy and Lactation Labeling Rule on labeling data of FDA approved drugs. Presented at the Pediatric Academic Societies Annual Meeting, April 2019, Baltimore MD.
28. Deutsch A, Gadjosik D, Garbosky L, **Mazer-Amirshahi M**, Fox E, Perrone J. The impact of the parenteral opioid medication shortage on opioid utilization practices in the emergency department. Presented at the American College of Medical Toxicology Annual Scientific Meeting, San Francisco, CA, April 2019.
29. **Mazer-Amirshahi M**, Reiderer A, Campleman S, Calello D, Burkhardt K, Brent J, Wax P. Increasing misuse and abuse of gabapentin and pregabalin. Presented at the American College of Medical Toxicology Annual Scientific Meeting, San Francisco, CA, April 2019.
30. Hettinger A, Hoffman D, **Mazer-Amirshahi M**, Dubin J, Levin B, Webb C, Frohna W. Impact of a hydromorphone reduction initiative on pain management practices in the emergency department. Presented at the American College of Medical Toxicology Annual Scientific Meeting, San Francisco, CA, April 2019.

31. Ali M, Cutler E, Mutter R, Henke R, **Mazer-Amirshahi M**, Pines J, Cummings N. Opioid prescribing rates from the emergency department: down but not out. Presented at the American Public Health Association Annual Meeting, November 2018, San Diego, CA.
32. Friedrich J, **Mazer-Amirshahi M**, Geng X, Calello D, Smith M, Medeiros K, Gillam M. Pediatric benzodiazepine exposure and overdose in the United States: 16 years of poison center data. Presented at the North American Congress of Clinical Toxicology Annual Meeting, October 2018, Chicago IL.
33. Samiee-Zafarghandy S, **Mazer-Amirshahi M**, Jong G, Bhardwaj A, Chan A, Atkinson A, van den Anker J. Impact of FDASIA on pediatric drug development. Abstract accepted for presentation at the Pediatric Academic Society Annual Meeting, Toronto, ON, May 2018.
34. Lombardi K, Pourmand A, **Mazer-Amirshahi M**. Patterns of antibiotic resistance of E. Coli urinary tract infections in the emergency department. Presented at the Society for Academic Emergency Medicine Annual Meeting, Indianapolis, IN, May 2018.
35. Lombardi K, Pourmand A, **Mazer-Amirshahi M**, Pines J. Analyzing the dynamics of homeless patient visits to U.S. emergency departments 2005-15. Presented at the Society for Academic Emergency Medicine Annual Meeting, Indianapolis, IN, May 2018.
36. Kiechle E, McKenna C, Zeymo A, Carter H, Gelfand B, DeGeorge L, Sauter D, **Mazer-Amirshahi M**. Prevalence of self-reported drug allergies and adverse drug events in an urban, academic emergency department. Presented at the American College of Medical Toxicology Annual Scientific Meeting, April 2018, Washington, DC and the Society for Academic Emergency Medicine, Indianapolis, IN, May 2018.
37. **Mazer-Amirshahi M**, Koroshetz L, Soares R, Kumar A, Calello D, Perrone J, Nelson L. Emergency department patients' perceptions of the efficacy and safety of opioid analgesics. Presented at the American College of Medical Toxicology Annual Scientific Meeting, Washington, DC, April 2018 and the Society for Academic Emergency Medicine, Indianapolis, IN, May 2018.
38. **Mazer-Amirshahi M**, McKenna C, Carter H, Zeymo A, Gelfand B, Kiechle E, DeGeorge L, Sauter D. Prevalence of medication allergy and adverse drug event reconciliation discrepancies in an urban, academic emergency department. Presented at the American College of Medical Toxicology Annual Scientific Meeting, Washington, DC, April 2018.
39. De George L, Sauter D, **Mazer-Amirshahi M**, Leak C. A Descriptive Study of the Clinical Characteristics of Emergency Department Patients Intoxicated with Synthetic Cannabinoids. Presented at the North American College of Clinical Toxicology Annual Meeting, Vancouver BC, October 2017.
40. Ziesenitz V, Fox E, Zocchi, van den Anker J, **Mazer-Amirshahi M**. Prescription drug shortages: impact on neonatal intensive care. Presented at the American College of Clinical Pharmacology Annual Meeting, San Diego, CA September 2017 and Recent Advances in Neonatal Medicine, Wuerzburg Germany, October 2017.

41. Katy T, Donnelly K, Zocchi M, Fox E, van den Anker J, **Mazer-Amirshahi M.** Prescription drug shortages: Implications for the pediatric hospitalist. Presented at the Pediatric Academic Society Annual Meeting, San Francisco, CA, May 2017.
42. Katy T, Donnelly K, Zocchi M, Fox E, van den Anker J, **Mazer-Amirshahi M.** Prescription drug shortages: Implications for ambulatory pediatrics. Presented at the Pediatric Academic Society Annual Meeting, San Francisco CA, May 2017.
43. Donnelly K, Katy T, Zocchi M, Fox E, Pines J, **Mazer-Amirshahi M.** Prescription drug shortages: Implications for pediatric emergency and critical care. Presented at the Pediatric Academic Society Annual Meeting, San Francisco, CA, May 2017.
44. **Mazer-Amirshahi M**, Smith K, Savage E, Tran G, Fong AF, Hettinger AZ. Analysis of look-alike/sound alike medication errors involving opioid analgesics. Presented at the American College of Medical Toxicology Annual Scientific Meeting, San Juan, PR, March 2017.
45. **Mazer-Amirshahi M**, Gelfand B, Leak C, Tolliver S, Sauter D. Characterization of suspected synthetic cannabinoid intoxications in Washington, DC. Presented at the American College of Medical Toxicology Annual Scientific Meeting, San Juan, PR, March 2017.
46. Hettinger AZ, Smith K, Fong A, **Mazer-Amirshahi M**, Tran G, Savage E. Analysis of look-alike/sound-alike medication errors in the emergency department. Presented at the American College of Medical Toxicology Annual Scientific Meeting, San Juan, PR, March 2017.
47. Smith KH, Hettinger AZ, Fong A, **Mazer-Amirshahi M**, Tran GR, Savage EL. Human factors analysis of look-alike/sound alike medication errors. Presented at the American Medical Informatics Association Annual Symposium, Chicago IL, November 2016.
48. Patel J, Fox E, Zocchi M, En-Lee Z, **Mazer-Amirshahi M.** Trends in U.S. drug shortages for medications used in gastroenterology. Presented at Digestive Diseases Week, San Diego, CA, May 2016.
49. **Mazer-Amirshahi M**, Mullins P, Perrone J, Nelson LS, Pines JM. Trends in emergency department utilization for poisoning-related visits, 2003-11. Presented at the American College of Medical Toxicology Annual Scientific Meeting, Huntington Beach, CA, March 2016.
50. Mullins P, **Mazer-Amirshahi M**, Pines J. Emergency department resource utilization for adverse drug reaction-related visits, 2001-11. Presented at the American College of Medical Toxicology Annual Scientific Meeting, Huntington Beach, CA, March 2016.
51. Ziesenitz V, Fox E, Zocchi M, Pines J, May L, **Mazer-Amirshahi M.** Longitudinal trends in vaccine shortages, 2001-14. Presented at the American Society of Clinical Pharmacology and Therapeutics, San Diego, CA, March 2016.
52. Sun C, Soto P, May M, **Mazer-Amirshahi M.** Fatal cardiotoxicity following ingestion of English yew: a case report. Presented at the North American Congress of Clinical Toxicology, San Francisco, CA, October 2015.
53. Dean K, Hettinger Z, Clark L, Krevat S, Fong A, **Amirshahi M**, Webb C, Dubin J, Frohna W. Qualitative analysis of patient safety event reporting systems to support a Dilaudid-free

emergency department. Presented at the National Patient Safety Foundation Annual Congress, Austin, TX, April 2015.

54. Quadri F, **Mazer-Amirshahi M**, Fox E, Hawley K, Zocchi M, Pines J, May L. Antibacterial Drug Shortages from 2001 to 2013: Implications for Patient Safety in Clinical Practice. Presented at the American College for Medical Quality Annual Meeting, Alexandria, VA, March 2015.
55. Hawley K, **Mazer-Amirshahi M**, Zocchi M, Fox E, Pines J. Longitudinal trends in U.S. drug shortages for medications used in the emergency department (2001-2014). Presented at the American College of Medical Toxicology Annual Scientific Meeting, Clearwater Beach, FL, March 2015 and the Society for Academic Emergency Medicine Annual Meeting, San Diego CA, May 2015.
56. Mekonnen S, **Mazer-Amirshahi M**. Altered mental status and renal failure following acyclovir overdose. Presented at the American College of Medical Toxicology Annual Scientific Meeting, Clearwater Beach, FL, March 2015.
57. **Mazer-Amirshahi M**, Mullins P, Perrone J, Nelson L. Trends in outpatient benzodiazepine prescribing 2005-10. Presented at the American College of Medical Toxicology Annual Scientific Meeting, Clearwater Beach, FL, March 2015 and the Society for Academic Emergency Medicine Annual Meeting, San Diego CA, May 2015.
58. **Mazer-Amirshahi M**, Fox E, Hawley K, Zocchi M, Pines J, Nelson L. Drug shortages: implications for medical toxicology. Presented at the American College of Medical Toxicology Annual Scientific Meeting, Clearwater Beach, FL, March 2015.
59. Ziesenitz V, Mullins P, van den Anker J, **Mazer-Amirshahi M**. Trends in U.S. childhood vaccination practices and outbreaks of vaccine-preventable diseases, 2006-2010. Presented at the American Society for Clinical Pharmacology and Therapeutics Annual Meeting, New Orleans, LA, March 2015. Abstract recipient of Presidential Trainee Award.
60. **Mazer-Amirshahi M**, Dorazio J, Mullins P, van den Anker J, Perrone J, Nelson L. Concomitant use of opioid analgesics and benzodiazepines in U.S. ambulatory clinics and emergency departments. Presented at the North American Congress of Clinical Toxicology Annual Meeting, October 2014.
61. **Mazer-Amirshahi M**, Mullins P, Pines JM, Nelson LS, Perrone J. Trends in opioid prescribing in U.S. emergency departments based on provider level of training. Presented at the Society for Academic Emergency Medicine Annual Meeting, Dallas TX, May 2014.
62. **Mazer-Amirshahi M**, Rasooly I, Brooks G, Pines J, May L, van den Anker J. Impact of pediatric labeling changes on prescribing patterns of over-the-counter cough and cold medications. Presented at the Society for Academic Emergency Medicine Annual Meeting, Dallas TX, May 2014.
63. Reid N, **Mazer-Amirshahi M**, Litovitz T. Cobalt, cardiomyopathy and chelation in a patient with a metal-on-metal hip implant. Presented at the American College of Medical Toxicology Annual Scientific Meeting, Phoenix AZ, March 2014.

64. **Mazer-Amirshahi M**, Mullins P, Perrone J, Nelson LS, Pines, JM. Trends in opioid prescribing based on provider specialty in U.S. ambulatory clinics. Presented at the American College of Medical Toxicology Annual Scientific Meeting, Phoenix AZ, March 2014.
65. Ziesenitz VC, Gorenflo M, van den Anker J, **Mazer-Amirshahi M**. Off-label use of cardiovascular agents in pediatric ambulatory care in the United States. Presented at the American Society of Clinical Pharmacology and Therapeutics Annual Meeting, Atlanta GA, March 2014.
66. Ziesenitz VC, Vaughns JD, van den Anker J, **Mazer-Amirshahi M**. Prescribing patterns in obese pediatric patients in ambulatory care in the United States. Presented at the American Society of Clinical Pharmacology and Therapeutics Annual Meeting, Atlanta GA, March 2014 and the Annual Congress of the Swiss Society of Pediatrics, Basel Switzerland, June 2014.
67. **Mazer-Amirshahi M**, Pourmand A, Pines J, van den Anker J. Characterizing drug shortages in the emergency department. Presented at the American Society of Clinical Pharmacology and Therapeutics Annual Meeting, Atlanta GA, March 2014.
68. **Mazer-Amirshahi M**, Samiee S, van den Anker J. Trends in pregnancy labeling and data quality in U.S. drug approvals. Presented at the American College of Clinical Pharmacology Annual Meeting, Bethesda MD, September 2013.
69. **Mazer-Amirshahi M**, Samiee S, van den Anker J. Trends in pediatric clinical pharmacology data in U.S. drug labeling. Presented at the European Society for Developmental Perinatal and Paediatric Pharmacology, Salzburg Austria, June 2013.
70. **Mazer-Amirshahi M**, Mullins P, van den Anker J, Pines, J. The rapid rise in opioid prescribing in U.S. emergency departments: a cause for concern. Presented at the Society for Academic Emergency Medicine Annual Meeting, Atlanta GA, May 2013.
71. **Mazer-Amirshahi M**, Mullins P, van den Anker J, Pines J. Trends in prescription opioid use in pediatric emergency department patients. Presented at the Pediatric Academic Society Annual Meeting, Washington DC, May 2013.
72. Rasooly I, **Mazer-Amirshahi M**, Mullins M, van den Anker J, Pines J. Predictors of opioid treatment in pediatric emergency department patients. Presented at the Pediatric Academic Society Annual Meeting, Washington DC, May 2013.
73. **Mazer-Amirshahi M**, Reid N, van den Anker J, Litovitz T. Effect of withdrawal of over-the-counter cough and cold medications on pediatric ingestions reported to U.S. poison centers. Presented at the American Society of Clinical Pharmacology and Therapeutics Annual Meeting, Indianapolis IN, March 2013.
74. Reid N, **Mazer M**, Clancy C. Potentially toxic acetaminophen levels after nasal insufflation of Percocet. Presented at the International Congress of the European Association of Poison Centres and Clinical Toxicologists Annual Meeting, London UK, May 2012.
75. **Mazer M**, Boutsikaris A, Clancy C. Elevated compartment pressures from copperhead envenomation successfully treated with antivenom: a case report. Presented at the International Congress of the European Association of Poison Centres and Clinical Toxicologists Annual Meeting, London UK, May 2012.

76. Wolff M, **Mazer M**, Zorc J, Sampayo E. Prescription filling practices after an acute emergency department visit for asthma. Presented at the Pediatric Academic Society Annual Meeting, Boston MA, May 2012.
77. **Mazer M**, Sokol G, Cantilena L. Review of Food and Drug Administration labeling for overdose treatment and toxicity data. Presented at the American Society of Clinical Pharmacology and Therapeutics Annual Meeting, Washington DC, March 2012.
78. **Mazer M**, Srivastava K, McDermoth M, Daily E, Bisagier J, Datner E, Rhodes K. Cost-related medication non-adherence among emergency department patients. Presented at the Society of Academic Emergency Medicine Annual Meeting, Phoenix AZ, June 2010.
79. Gaieski DF, **Mazer M**, Neumar RW. Magnesium depletion in patients treated with therapeutic hypothermia after cardiac arrest. Presented at the International Hypothermia Conference, Lund Sweden, September 2009.
80. Perrone J, **Mazer M**, Shofer F, Peacock NJ, Hollander JE, McCusker C, DeRoos F. Medications from the web: use of online pharmacies by emergency department patients. Presented at the Society of Academic Emergency Medicine Annual Meeting, Washington DC, May 2008.
81. Perrone J, **Mazer M**, DeRoos F. Encephalopathy and peripheral neuropathy secondary to 1-bromopropane toxicity. Presented at the European Association of Poison Centres and Clinical Toxicologists, Seville Spain. May 2008.

Abstracts Presented at Regional Meetings

1. Schuster A, Hettinger Z, Dean K, Clarke L, Krevat S, **Amirshahi M**, Webb C, Dubin J, Frohna W. D-free in the ED: changing prescribing habits by removing hydromorphone from the emergency department. Presented at the Society for Academic Emergency Medicine Mid-Atlantic Regional Meeting, Washington, DC, February 2015.
2. **Mazer-Amirshahi M**, Brooks G, Marra E, van den Anker J, May, L, Pines JM. Analgesic prescribing for older adults in U.S. emergency departments: 2001 to 2010. Presented at the Society for Academic Emergency Medicine Mid-Atlantic Regional Meeting, Philadelphia PA, February 2014.
3. **Mazer-Amirshahi M**, Mullins PM, van den Anker J, Pines JM, Perrone J, Nelson LS. Trends in opioid analgesic prescribing in U.S. emergency departments for low-acuity visits. Presented at the Society for Academic Emergency Mid-Atlantic Regional Meeting, Philadelphia PA, February 2014.
4. **Mazer-Amirshahi M**, Mullins P, van den Anker J, Pines, J. The rapid rise in opioid prescribing in U.S. emergency departments: a cause for concern. Presented at the Society for Academic Emergency Medicine Mid-Atlantic Regional Meeting, Washington, DC, February 2013.
5. Wolff M, **Mazer M**, Zorc J, Sampayo E. Prescription filling practices after an acute emergency department visit for asthma. Presented at the Eastern Society for Pediatric Research Regional Meeting, Philadelphia, PA, April 2012.

6. Shirazi B, **Mazer M**, Entezari O, Green L. A rare reason for hip pain: epithelioid hemangioendothelioma. Presented at the American College of Physicians Regional Meeting, Bethesda MD, June 2011.

Submitted Research and Publications Undergoing Revision

1. Lindsay D, et al. Joint Clinical Practice Guideline on Benzodiazepine Tapering: Considerations when risks outweigh benefits. Manuscript submitted to the Journal of General Internal Medicine, February, 2025.
2. Imperato N, Lister J, Kuo S, Shiau Rabinowitz J, Minor T, **Mazer-Amirshahi M**, Nelson LS. The impact of COVID-19 on naloxone prescribing and buprenorphine co-prescribing in the emergency department. Manuscript submitted to the Journal of Emergency Medicine, September 2024.

B. Research Funding

Grants

1. Site director for: FDA ACMT DOTS Surveillance Project.
PI: American College of Medical Toxicology, Paul Wax.
2. Site director for: FDA ACMT COVID-19 ToxIC (FACT) Pharmacovigilance Project.
PI: American College of Medical Toxicology, Paul Wax.
3. Site director for: Frontline training emergency medicine residents and medical toxicology fellows to effectively screen, assess, and treat patients with substance use disorder.
Substance Abuse and Mental Health Services Administration Grant #1H79FG000005-01.
PI: American College of Medical Toxicology, Paul Wax.
4. CO PI: LINK-MAT Program, DC DOH. 10 percent effort.

C. Invited Lectures

Regional and National Speaking Engagements

2025	Panelist, “Benzodiazepine Tapering Guidelines” American College of Medical Toxicology Monthly Addiction Case Conference
2024	“Antimicrobial Toxicity: When the Cure Becomes Toxic” American College of Medical Toxicology Total Tox Course, Virtual
2024	Panelist: “What to expect with legalization: anticipating the psychedelic frontier” ACMT Pre-meeting Symposium at the North American Congress of Clinical Toxicology, Denver, CO
2024	“Ethical Issues in Antidote Administration During Shortages” AACT Pre-meeting Symposium at the American College of Medical Toxicology Annual Scientific Meeting, Washington, DC
2024	Panelist: “Antidote Shortage Panel Discussion” AACT Pre-meeting Symposium at the American College of Medical Toxicology Annual Scientific Meeting, Washington, DC
2023	Panelist: “Ethics of Therapy with Antidotes” ACMT Pre-meeting Symposium at the North American Congress of Clinical Toxicology, Montreal, CA.

2023 "Determining the Best Databases for Toxicology Research" American Academy of Clinical Toxicology Research Seminar-The Nuts and Bolts of Toxicology Research, Virtual

2022 "Antimicrobial Toxicity: When the Cure Becomes Toxic" American College of Medical Toxicology Total Tox Course, Virtual

2019 "Novel Treatments for the Crashing Patient" American College of Medical Toxicology Total Tox Course, Washington DC

2019 "Anticoagulants and Antithrombotics: When You Can't Control the Bleeding" American College of Medical Toxicology Total Tox Course, Washington DC

2019 "Over the Counter Poisons: Antihistamines and Antitussives" American College of Medical Toxicology Total Tox Course, Washington DC

2019 "The Utility of Advanced Degrees for Your Toxicology Career" American College of Medical Toxicology Annual Scientific Meeting, San Francisco, CA

2018 "Medical Product Shortages during Disasters: Opportunities to Predict, Prevent, and Respond" National Academy of the Sciences, Washington, DC

2018 "Coping with Medication Shortages: Strategies for Healthcare Providers" Webinar for Coverys

2018 "Avoiding Adding Insult to Injury When Using NSAIDs for Acute Pain" Massachusetts College of Emergency Physicians, Advanced Pain Management in the Emergency Department, Boston, MA

2018 "Primum No Nocere: Avoiding Parenteral Hydromorphone" Massachusetts College of Emergency Physicians, Advanced Pain Management in the Emergency Department, Boston, MA

2018 "An Opioid by Any Other Name: Understanding MMEs" Massachusetts College of Emergency Physicians, Advanced Pain Management in the Emergency Department, Boston, MA

2018 "The Opioid Epidemic and Best Prescribing Practices" American College of Medical Toxicology Annual Scientific Meeting, Washington, DC

2017 "Ten Commandments of NSAID Use in the ED" Society for Academic Emergency Medicine, Annual Meeting Orlando, FL

2011 "Chronic Lead Poisoning in Washington, DC" North American Congress of Clinical Toxicology Annual Meeting, Washington, DC

Institutional Lectures and Lectures by Invitation

2024 "How to Get Started in and Thrive in Scholarship" Faculty Development Day, Georgetown University, Washington, DC

2024 "Introduction to Toxicology" Intern Orientation, MedStar Washington Hospital Center, Washington, DC

2024 "Introduction to Toxicology" Physician Assistant Program, MedStar Health

2024 "Toxic Alcohols" Residency Didactics Lecture, MedStar Washington Hospital Center, Washington, DC

2024 "Management of Snake Envenomation" Georgetown University Wilderness Medicine Course, Washington, DC

2024 "Marine Toxins and Envenomations" Georgetown University Wilderness Medicine Course, Washington, DC

2023 "Diabetic Medication Overdose and Toxicity" MedStar Health Physician Assistant Lecture, Virtual

2023 "Antidiabetic Agent Toxicity" MedStar Washington Hospital Center, Washington, DC

2023 "Beta Blocker and Calcium Channel Blocker Overdose: Pearls and Pitfalls". MedStar Washington Hospital Center, Washington, DC

2023 “Introduction to Toxicology” Intern Orientation, MedStar Washington Hospital Center, Washington, DC

2023 “Management of Snake Envenomation” Georgetown University Wilderness Medicine Course, Washington, DC

2023 “Optimizing Inpatient Care for Patients with Opioid Use Disorder” Department of Medicine Grand Rounds, MedStar Washington Hospital Center, Washington, DC

2022 “Beta Blocker and Calcium Channel Blocker Overdose: Pearls and Pitfalls” MedStar Emergency Physicians Fall Symposium, virtual

2022 “Management of Snake Envenomation” Georgetown University Hospital, Washington, DC

2022 “Introduction to Toxicology” Intern Orientation, MedStar Washington Hospital Center, Washington, DC

2022 “Inpatient Initiation of Buprenorphine for Treatment of Opioid Use Disorder” Department of Psychiatry Grand Rounds, Washington Hospital Center, Washington, DC

2022 “Introduction to Toxicology” Physician Assistant lecture (virtual)

2022 “Inpatient Initiation of Buprenorphine for Treatment of Opioid Use Disorder” Department of Pharmacy Grand Rounds, Washington Hospital Center, Washington, DC

2022 “Inpatient Initiation of Buprenorphine for Treatment of Opioid Use Disorder” Department of Psychiatry Grand Rounds, Washington Hospital Center, Washington, DC

2022 “Management of Snake Envenomation” Georgetown University Wilderness Medicine Course, Washington, DC

2022: Panelist: Emergency Medicine Offshoots and Side Gigs” MedStar Georgetown University Hospital, Washington, DC

2021: Panelist: “A Multi-Layered Approach to Substance Use Disorder and Overdose Prevention: A Perspective from MedStar Health” August 2021.

2021 “Introduction to Toxicology” Intern Orientation, MedStar Washington Hospital Center, Washington, DC

2021 “Introduction to Toxicology” Physician Assistant lecture (virtual)

2021 “Management of Snake Envenomation” Georgetown University Wilderness Medicine Course, Washington, DC

2020 “Introduction to Toxicology” Intern Orientation, MedStar Washington Hospital Center, Washington, DC

2019 “Naloxone in the Age of Carfentanil” Resident lecture, MedStar Washington Hospital Center, Washington, DC

2019 “Introduction to Toxicology” Physician Assistant lecture, MedStar Washington Hospital Center, Washington, DC

2019 “Introduction to Toxicology” Intern Orientation, MedStar Washington Hospital Center, Washington, DC

2019 “Prescription Drug Shortages: Implications for Emergency Medicine” MedStar Washington Hospital Center, Washington, DC

2018 “Introduction to Toxicology” Intern Orientation, Georgetown University Hospital, Washington, DC

2018 “Cardiovascular Toxins” MedStar Washington Hospital Center, Washington, DC

2017 “Antidiabetic and Hypoglycemic Overdose” Georgetown University Hospital, Washington, DC

2017 “Introduction to Toxicology” Intern Orientation, Georgetown University Hospital, Washington, DC

2017 "Prescription Drug Shortages: Implications for Emergency Medicine" Rutgers University Hospital, Newark, NJ
University Hospital, Washington, DC

2016 "Opioid Prescribing and Abuse for the Emergency Physician" MedStar Georgetown University Hospital, Washington, DC

2016 "Toxicological Principles in the ICU" Critical Care Fellows Lecture, MedStar Washington Hospital Center, Washington, DC

2016 "Introduction to Toxicology" Intern Orientation, Georgetown University Hospital, Washington, DC

2016 "Cardiovascular Toxins in the ICU" MedStar Washington Hospital Center, Washington, DC

2016 "Introduction to Toxicology" Paramedic Training Program, Prince William County, VA

2016 "Pediatric Toxicology and One-Pill Killers" MedStar Washington Hospital Center, Washington, DC

2015 "Cardiovascular Toxins" MedStar Washington Hospital Center, Washington, DC

2015 "Introduction to Toxicology", Intern Orientation, Georgetown University Hospital, Washington, DC

2015 "Management of Snake Envenomations" Grand Rounds, The George Washington University Hospital, Washington, DC

2015 "Toxicological Principles in the ICU" Critical Care Fellows Summer Education Block, MedStar Washington Hospital Center, Washington, DC

2015 "Management of Snake Envenomations" MedStar Washington Hospital Center, Washington, DC

2015 "High Yield Marine Envenomations" MedStar Washington Hospital Center, Washington, DC

2015 "Introduction to Toxicology" Paramedic Training Program, Prince William County, VA

2014 "Acetaminophen Poisoning" Resident Lecture, MedStar Washington Hospital Center, Washington, DC

2014 "Aspirin Poisoning" Resident Lecture, MedStar Washington Hospital Center, Washington, DC

2014 "Toxicological Principles in the ICU" Critical Care Fellows Summer Education Block, SiTEL, Washington, DC

2013 "Snake Envenomations" Grand Rounds, The George Washington University Hospital, Washington, DC

2013 "Acetaminophen Poisoning" Grand Rounds, The George Washington University Hospital, Washington, DC

2012 "Anticoagulant Toxicity: An Update and Review" Grand Rounds, The George Washington University Hospital, Washington, DC

2011 "Management of Battery Ingestions" Toxicology Rounds, Children's National Medical Center, Washington, DC

2011 "Management of Insulin and Antihyperglycemic Overdose" Grand Rounds, The George Washington University Hospital, Washington, DC

2011 "Management of Drug Overdose in the Pregnant Patient" Grand Rounds, Prince George's Hospital, Cheverly, MD

2008 "HIV/AIDS: An Update for the EM Physician" Grand Rounds, Hospital of the University of Pennsylvania, Philadelphia, PA

2007 "Pulmonary Irritant Inhalation" Toxicology Rounds, Philadelphia Poison Control Center, Philadelphia, PA

D. Editorships, Editorial Boards, and Reviewing Activities

2016 – Present Editorial Board Member, Journal of Medical Toxicology
2011 – 2012 Question Writing and Development, Rosh Review Emergency Medicine
2010 – 2011 Content Reviewer, Emergency Medicine, eMedicine
2006 – 2007 Test Question Writing and Development, Board of Pharmaceutical Specialties
Ad hoc reviewer: Academic Emergency Medicine
American Journal of Emergency Medicine
Annals of Emergency Medicine
Journal of Emergency Medicine
Journal of Medical Toxicology
Journal of Pediatrics
New England Journal of Medicine
Pharmacoepidemiology and Drug Safety

3. TEACHING, MENTORING, AND ADVISING

A. Teaching Activities

Medical School Courses

Georgetown University School of Medicine Ambulatory Care Course
Role: Preceptor
Number of Direct Contact Hours: 48/year
Years Taught: 10
Number of Students: 2/year

Georgetown University School of Medicine Independent Scholarly Project
Role: Mentor
Number of Direct Contact Hours: 48/year
Years Taught: 10
Number of Students: 10

Georgetown-MedStar MedStar Summer Research Program
Role: Faculty Mentor
Number of Direct Contact Hours: 40
Years Taught: 9
Number of Students: 9

Georgetown University School of Medicine Wilderness Medicine Course
Role: Lecturer
Number of Direct Contact Hours: 2/year
Years Taught: 3
Number of Students: varies

Medical School Clerkship

Emergency Medicine Clerkship
Role: Faculty

Number of Direct Contact Hours: 800-1200/year

Year(s) Taught: 3

Number of Students: 150

Graduate Medical Education

Average number of clinical fellows trained per year = 3

Average number of residents trained per year = 24-30

Average number of medical students trained per year: 50

Other Non-GUSOM Teaching Activities

2016 – Present	Toxicology faculty for resident resuscitation elective, Georgetown/Washington Hospital Center Emergency Medicine Residency, Washington, DC
2015 – 2025	Medical Toxicology Program Faculty, National Capital Poison Center and the George Washington University, Washington, DC
2012 – 2025	Monthly resident teaching rounds, National Capital Poison Center, Washington, DC
2012 – 2015	Instructor for Practice of Medicine IV Course, Medication Safety and Medical Toxicology Electives, The George Washington University School of Medicine, Washington, DC
2012 – 2014	Preceptor, Clinical Apprenticeship Program, The George Washington University School of Medicine, Washington DC
2011 – 2014	Medical Student Advisor, Environmental and Occupational Health, The George Washington University School of Medicine, Washington, DC
2011 – 2012	Monthly Toxicology Lecture Series, Internal Medicine Residency Program, Prince George's Hospital Center, Cheverly, MD
2011 – 2012	Instructor for MSIV Intersession Course in Clinical Pharmacology, Uniformed Services University of the Health Sciences, Bethesda, MD

B. Mentoring

RN/PharmDs:

Joshua Drobina (2022, National Capital Poison Center)

Outcome: one case report, one manuscript

Pela Soto (2020-2023, National Capital Poison Center)

Outcome: multiple abstracts and original manuscripts

Robert Porter (2016-2017, National Capital Poison Center)

Outcome: one case report

Serkalem Mekonen (2014, National Capital Poison Center)

Outcome: one abstract

Nicole Reid (2010-2013, National Capital Poison Center)

Outcome: multiple abstracts presented at national meetings, peer-reviewed original research published

MD Students:

Savannah Creed (2024, Georgetown University)

Outcome: study in progress

Tanner McGowan (2024, Georgetown University)

Outcome: one abstract, one manuscript
Emily Chen (2024, Georgetown University)
Outcome: one abstract, two manuscripts
Mana Sheykhsoltan (2023, Georgetown University)
Outcome: one abstract, Medical Toxicology Foundation Medical Student Travel Award, one manuscript
Katherine Kennedy-Wood (2023, Georgetown University)
Outcome: one abstract
Sydney Haberman (2023, Georgetown University)
Outcome: one abstract, two manuscripts
Tyler Gentile (2023, Georgetown University)
Outcome: one manuscript
Kiernan Glowacki (2023, Georgetown University)
Outcome: two abstracts, two manuscripts
Isabel Snee (2023, Georgetown University)
Outcome: one case report, two manuscripts
Rama Bikkina (2022, Georgetown University)
Outcome: one manuscript
Malaak Hamzeh (2022, Georgetown University)
Outcome: one manuscript
Ram Patel (2021, McMaster University)
Outcome: one manuscript
Ronak Sutariya (2021, Georgetown University)
Outcome: one abstract, one manuscript
Kira Chandran (2020, Georgetown University)
Outcome: one abstract, two manuscripts
Nikash Shankar (2020, Georgetown University)
Outcome: one abstract, one manuscript
Maria Cacciapuoti (2019, Georgetown University)
Outcome: one abstract, one manuscript
Colin Tebo (2018, Georgetown University)
Outcome: one abstract, multiple manuscripts
Colin Gibson (2018, Georgetown University)
Outcome: one abstract, multiple manuscripts
Joseph Freidrich (2018, Georgetown University)
Outcome: one abstract, one manuscript
Hayley O'Brien (2018, Georgetown University)
Outcome: one abstract, one manuscript
Rui Soares (2017, Georgetown University)
Outcome: one abstract
Lydia Koroshetz (2017, Georgetown University)
Outcome: one abstract, one manuscript
Katherine Slaga (2016-17, Georgetown University)
Outcome: one manuscript
Leena Ramadan (2016, Georgetown University)
Course: Independent Scholarly Project
Outcome: one manuscript
Colleen McKenna (2016-17, Georgetown University)
Course: Independent Scholarly Project
Outcome: two abstracts, one manuscript
Hannah Carter (2016-17, Georgetown University)

Outcome: two abstracts, one manuscript
Bradley Gelfand (2016, Georgetown University)
Outcome: three abstracts, one manuscript
Irit Rasooly (2012-2014, George Washington University)
Outcome: multiple abstracts presented at national meetings, peer-reviewed original research published
Peter Mullins (2012-2017, George Washington University)
Outcome: multiple abstracts presented at national meetings, peer-reviewed original research published

Physician Residents:

Glen Goodwin, DO, (2022, Adventura Health)
Outcome: one manuscript
Peter Mullins, MD (2017-2020, Brigham and Women's Hospital)
Outcome: multiple abstracts presented at national meetings, peer-reviewed original research published
Guo Yu, MD (2018, Georgetown University)
Outcome: one manuscript
Lindsey DeGeorge, MD (2016, Georgetown University)
Outcome: three abstracts, one peer reviewed publication
Diana Ladkany, MD (2016, Georgetown University)
Outcome: one abstract, one manuscript
Jigar Patel, MD (2015, Georgetown University)
Outcome: one abstract, one peer-reviewed publication
Eric Kiechle, MD (2015, Georgetown University)
Outcome: one book chapter, two abstracts, one manuscript
Christie Sun, MD (2014-2015, Georgetown University)
Outcome: one online article, one abstract, two peer-reviewed manuscripts
Victoria Ziesenitz, MD (2013-2017, Heidelberg University)
Outcome: multiple abstracts presented at national and international meetings, peer-reviewed publications, Presidential Trainee Award from the American College of Clinical Pharmacology and Therapeutics
Erin Marra, MD (2013-2014, George Washington University)
Outcome: multiple abstracts presented at national meetings, one peer-reviewed manuscript published
Kayla Dewey, MD (2014, Georgetown University)
Outcome: peer-reviewed original research published
Christine Woodward, MD (2013, George Washington University)
Outcome: peer-reviewed manuscript published
Paige Armstrong, MD (2013 George Washington University)
Outcome: peer-reviewed manuscript published

Physician Fellows:

Daniel Laub, MD (2024, George Washington University)
Outcome: one manuscript
James Whittlesey, MD (2022, Massachusetts General)
Outcome: two abstracts, three manuscripts
Kayla Dewey, MD (2016, Georgetown University)
Outcome: one case-report

Michael Tatusov MD (2015, Georgetown University)
Outcome: one abstract, one online article, one manuscript
Suleman Umar MD (2015, Georgetown University)
Outcome: one abstract, one manuscript

4. SERVICE

A. MedStar/Hospital/Local Service

2022– Present	Member, MedStar Faculty Promotion and Development Committee
2022– Present	Member, MedStar Anticoagulation Sub Committee
2021– Present	Member, MedStar Emergency Medicine Quality and Safety Committee
2021– Present	Member, MedStar Opioid Stewardship Committee
2019– Present	Representative for MedStar Washington Hospital Center, DC Opioid Task Force, Washington, DC
2017– Present	MedStar Health Medication Safety Sub Committee
2016– Present	Pharmacy and Therapeutics Committee, MedStar Washington Hospital Center, Washington, DC
2016– Present	Pain Management Committee, MedStar Washington Hospital Center, Washington, DC
2016– 2019	MedStar Annual Research Symposium Planning Committee
2011– 2014	Pharmacy and Therapeutics Committee, George Washington University Hospital, Washington, DC
2011– 2012	Pharmacy and Therapeutics Committee, Prince George's Hospital Center, Cheverly, MD
2006 – 2010	Pharmacy and Therapeutics Committee, Hospital of the University of Pennsylvania, Philadelphia, PA

C. Professional Service

National Committee Leadership

2025– Present	Executive Committee, Secretary Treasurer, American College of Medical Toxicology
2024– Present	AACT Antidote Collective
2022– Present	Board of Directors, Medical Toxicology Foundation
2019– 2025	Board of Directors, American College of Medical Toxicology
2018– 2022	Board of Directors, American Board of Clinical Pharmacology
2018– Present	Chair, Research Committee, American College of Medical Toxicology

National Committee Membership

2022– 2023	Member, ACEP New Practice Models Task Force
2021– Present	Member, Investment Committee, American College of Medical Toxicology
2016– Present	Member, Positions and Guidelines Committee, American College of Medical Toxicology
2013– Present	Member, Pharmacy and Therapeutics/Medication Management Committee, American College of Medical Toxicology
2009 – 2017	Member, External Collaboration Committee, Society of Academic Emergency Medicine

Roles in Scientific Meetings

- 2023 Session moderator, ACMT Annual Scientific Meeting
- 2022 Session moderator, ACMT Annual Scientific Meeting
- 2021 Session moderator, ACMT Annual Scientific Meeting
- 2020 ACMT 2021 Annual Scientific Meeting Planning Committee
- 2019 ACMT 2019 Total Tox Course Planning Committee
- 2019 ACMT 2020 Annual Scientific Meeting Planning Committee
- 2019 Session moderator, ACMT Annual Scientific Meeting
- 2018 Abstract Reviewer, American College of Emergency Physicians Research Forum
- 2018 ACMT 2019 Annual Scientific Meeting Planning Committee
- 2018 Session moderator, ACMT Annual Scientific Meeting
- 2018 AAEM/ACMT Conference Medical Student and Resident Track Planning Committee
- 2018 Abstract reviewer, Society for Academic Emergency Medicine Annual Meeting
- 2017 Session moderator, Society for Academic Emergency Medicine Annual Meeting
- 2016 Session moderator, Society for Academic Emergency Medicine Annual Meeting
- 2015 Abstract reviewer, Society for Academic Emergency Medicine Annual Meeting
- 2014 Abstract reviewer, American Society for Clinical Pharmacology and Therapeutics Annual Meeting
- 2013 Abstract reviewer, American Society for Clinical Pharmacology and Therapeutics Annual Meeting

Volunteer Experience

- 2014 – 2017 Volunteer, A Shelter Friend, Elizabethtown, NC
- 2012 – 2013 Volunteer, City Dogs Rescue, Washington, DC
- 2000 – 2002 Community Outreach Pharmacist, CVS/Pharmacy, Philadelphia, PA
- 1999 – 2000 Pharmacy Volunteer, Mercy Fitzgerald Hospital, Lansdowne, PA

5. HONORS AND AWARDS

- 2020 Chief Medical Officer Award, Washington Hospital Center
- 2019 American College of Medical Toxicology Outstanding Voluntary Service Recognition
- 2018 American College of Medical Toxicology Outstanding Voluntary Service Recognition
- 2018 Publication selected for inclusion in the 2019 Medical Toxicology Lifelong Learning and Self-Assessment Reading List
- 2015 Publication selected for inclusion in the 2015 Medical Toxicology Lifelong Learning and Self-Assessment Reading List
- 2013 Delta Omega Public Health Honor Society, The George Washington University School of Public Health and Health Services
- 2013 Golden Key Academic Honor Society, The George Washington University
- 2013 Presidential Trainee Award, American Society for Clinical Pharmacology and Therapeutics, 2013 Annual Meeting
- 2008 Emergency Medicine Bedside Ultrasound Award, Department of Emergency Medicine, Hospital of the University of Pennsylvania
- 2005 Alpha Omega Alpha, Epsilon Chapter, Temple University School of Medicine
- 2004 Cephalon Achievement Award in Pharmacology, Temple University School of Medicine
- 2002 Dean's List (through graduation 2006), Temple University School of

Medicine

2001 Merck Award for Pharmaceutical Excellence, University of the Sciences in Philadelphia

1999 Rho Chi, Pharmaceutical Honor Society, University of the Sciences in Philadelphia

1995 Dean's List (through graduation 2001), University of the Sciences in Philadelphia

6. PROFESSIONAL SOCIETY MEMBERSHIP

2024 – Present Fellow, American Academy of Clinical Toxicology

2020 – Present Fellow, American College of Clinical Pharmacology

2018 – Present Fellow, American Society of Addiction Medicine

2017 – Present Fellow, American College of Emergency Physicians

2017 – Present Fellow, American College of Medical Toxicology

2016 – Present Member, American Society of Addiction Medicine

2012 – Present Member, American College of Clinical Pharmacology

2010 – Present Member, American Academy of Clinical Toxicology

2010 – Present Member, American College of Medical Toxicology

2006 – Present Member, American College of Clinical Pharmacy

2006 – 2010 Member, Emergency Medicine Residents Association

2005 – Present Member, American College of Emergency Physicians

2005 – Present Member, Society of Academic Emergency Medicine

7. REFERENCES

Available upon request.

I certify that this curriculum vitae is a current and accurate statement of my professional record.

Signature: Maryann Amirshahi Date: _____