

Lewis S. Nelson MD, MBA

Curriculum Vitae

CONTACT INFORMATION

Office Address: 185 South Orange Avenue, MSB E609A, Newark, NJ 07103

EDUCATION

Heller School for Social Policy and Management, Brandeis University. Master of Business Administration (Executive).

State University of New York Health Science Center at Brooklyn (Downstate), NY. Doctor of Medicine.

TRAINING

Fellow, Medical Toxicology. New York City Poison Center. Division of Emergency Services, Department of Surgery, New York University School of Medicine, New York, NY.

Resident, Emergency Medicine. Mount Sinai School of Medicine Integrated Residency in Emergency Medicine, New York, NY. Chief Resident, 1992-1993.

Intern, General Surgery. Albert Einstein College of Medicine, Bronx, NY.

FACULTY APPOINTMENTS:

2020-present: Professor, Department of Pharmacology, Physiology and Neuroscience, Rutgers New Jersey Medical School

2016-present: Professor, Department of Emergency Medicine, Rutgers New Jersey Medical School

Professor, Department of Emergency Medicine, New York University School of Medicine

Associate Professor, Department of Emergency Medicine, New York University School of Medicine

Assistant Professor, Department of Emergency Medicine, New York University School of Medicine

Assistant Professor, Department of Surgery, Section of Emergency Medicine, Yale University School of Medicine

Instructor, Department of Surgery, Division of Emergency Medicine, New York University School of Medicine

DEPARTMENTAL AND INSTITUTIONAL RESPONSIBILITIES:

2016-present: Chair, Department of Emergency Medicine, Rutgers New Jersey Medical School

2016-present: Chief of Service, Emergency Department, University Hospital of Newark

2016-present: Chief, Division of Medical Toxicology, Rutgers New Jersey Medical School

2016-present: Senior Consultant, New Jersey Poison Information & Education System

Vice Chair for Academic Affairs, NYU Department of Emergency Medicine

Director, Fellowship in Medical Toxicology, New York University School of Medicine and New York City Poison Control Center

Associate Medical Director, New York City Poison Control Center, Bureau of Laboratories, New York City Department of Health

Attending Physician, Department of Emergency Medicine, Bellevue Hospital Center, New York University Langone Medical Center, and New York Harbor Healthcare System (Manhattan VA)

Director of Education, NYU Department of Emergency Medicine

CERTIFICATION

American Board of Emergency Medicine (Emergency Medicine); expires 12/31/2026

Medical Toxicology Subboard (via ABEM) (Medical Toxicology); expires 12/31/2026

American Board of Preventive Medicine (Addiction Medicine); expires 12/31/2028

American Board of Addiction Medicine; expires 12/31/2024

New York State Medical License

New Jersey State Medical License

PROFESSIONAL SOCIETIES

American Academy of Clinical Toxicology (Fellow)

American Academy of Emergency Medicine (Fellow)

American Association of Poison Control Centers

American College of Emergency Physicians (Fellow)

American College of Medical Toxicology (Fellow)

American Medical Association

American Society of Addiction Medicine (Fellow)

Asian Pacific Association of Medical Toxicology

European Association of Poison Centers and Clinical Toxicology

Society for Academic Emergency Medicine

CURRENT/RECENT PROFESSIONAL ACTIVITIES

American Academy of Emergency Medicine.

Pain and Addiction Committee. 2016-present

American Association of Medical Colleges

Council of Faculty and Academic Societies (CFAS), 2022-

American Association of Poison Control Centers (AAPCC)

Ethics Committee, Chair, 2012-present

National Media Subject Matter Expert, 2000-present

Medical Director Committee, 1997-present

American Board of Emergency Medicine (ABEM)

Board of Directors, Member, 2013-2022; Senior Member-at-Large, 2020-2022

Qualifying Examination, Editor (2016-2022); Co-editor (2013-2016)

Liaison to Medical Toxicology Subboard, 2013-2022

Research Committee Chair, 2017-2022

Oral Board Examiner, 2007-present

Item Writer, Emergency Medicine Qualifying (written) Examination, 2010-2022

Representative to the National Academy of Medicine, Fellowship Program, 2018-present

Accreditation Council for Continuing Medical Education (ACCME)

Board of Directors, 2017-2022

Accreditation Council for Graduate Medical Education (ACGME)

ACGME Medical Toxicology Milestones 2.0 Working Group. 2021-2022

Addiction Medicine Milestones Working Group, 2017-2018

Program Committee to Develop ACGME Addiction Medicine Program Requirements, 2015-2016

Medical Toxicology Milestones Working Group, 2014-2015

American College of Academic Addiction Medicine (ACAAM) (formerly Addiction Medicine Foundation)

Workforce Development in Addiction Medicine Training, White House Symposium. June 2019

ADePT (practice exam) Item Writing and Review Committee, 2018-2019

Addiction Medicine Fellowship Director Committee, 2018-present

American College of Emergency Physicians (ACEP)

ACEP Naloxone Policy Statement Writing Group, 2022-

EM Physician Workforce of the Future Task Force. 2021-

Hyperactive Delirium Task Force Oversight Committee, 2020-21
 Pain and Addiction Care in the ED (PACED) Board of Governors. 2019-present
 ACEP EM Medication Assisted Therapy Waiver Training Course (PCSS, SAMHSA funded), 2018-19
 ED Pain Management and Addiction Accreditation Task Force. 2018-2019
 Improving Access to Quality Pain Care Workgroup, Academy of Integrative Pain Management (ACEP), 2018-19
 Unscheduled Procedural Sedation Guideline Development Panel (AACEM). 2018-19
 E-QUAL Opioid Management Learning Collaborative Steering Committee, 2017-present
 Clinical Policy Subcommittee, position statement development, 2017
 Task Force on Pain Management for Acute Pain, Expert Panel, 2016
 Naloxone Joint Policy Development working group, 2015
 Assistant Secretary for Preparation and Response (ASPR) Increasing Transparency of Hospital Acute Care Capabilities, Expert Panel, 2015
 Opioid Guideline Writing Panel, Clinical Policy Committee. Clinical Policy: Critical Issues in the Prescribing of Opioids for Adult Patients in the Emergency Department. (Funded CDC) 2011-12.
 New Jersey Chapter, Member 2017-
 American College of Medical Toxicology (ACMT)
 Seminars in Forensic Toxicology Steering Committee, 2010-present
 Board of Directors, 2002-2014
 Immediate Past President. 2012-2014
 President. 2010-2012
 Vice President, 2008-2010
 Treasurer, 2006-2008
 Educational Oversight Committee, 2012-2016
 Education Committee, 1998-2018
 Chair, 2002-2006
 Leadership Group, 2010-2012
 Medical Toxicology Fellowship Directors Committee.
 Chairperson, 1997-1998; 1999-2008
 Member, 1997-2016
 Practice Committee, 2001-present
 Publications Committee, Chair, 2006-present
 Journal of Medical Toxicology, Board Liaison, 2006-2014
 American Society of Addiction Medicine (ASAM)
 Clinical Practice Guideline Committee, 2021-
 National Addiction Treatment Week Alcohol Twitter Chat, ASAM participant, Oct 2020, Oct 2021
 Annual Conference Planning Committee, 2021-
 Caring for Patients During COVID-19 Task Force, 2020-2022
 Alcohol Withdrawal Management Guideline Development Panel, Chair, 2017-2021
 Milestones for Fellowship Training Programs Task Force (with ACGME), 2017-2018.
 Appropriate Use of Drug Testing in Clinical Addiction Medicine Development Panel, 2017
 Educational Planning Committee for the ASAM Appropriate Use Document, 2017
 Association of Academic Chairs in Emergency Medicine
 AACEM retreat planning committee, 2021-present
 Executive Committee, President-Elect, 2022-present, Secretary/Treasurer, 2021-2022
 Executive Committee, Member at Large, 2019-2021
 Networking Committee, Chair 2018-2020
 Professional Development Workgroup, 2019-2020

Centers for Disease Control and Prevention (CDC)

CDC National Center for Injury Prevention and Control. Developing Death Scene Investigation Tools to Improve Surveillance, Research, and Manner of Death Classification Related to Suspected or Actual Self-Directed Violence. Atlanta, GA, July 31, 2017

CDC National Center for Injury Prevention and Control. CDC Guideline for Prescribing Opioids for Chronic Pain in the United States. Core Expert Group Member. 2016

Special Emphasis Panel. Grant 2016/05 ZCE1 EEO (03)1. Research on Prescription Opioid Use, Opioid Prescribing, and Associated Heroin Risk. Atlanta, GA. April 27, 28, 2016

Speaker Panel for the CDC Guideline for Prescribing Opioids for Chronic Pain. 2016-present.

CDC National Center for Injury Prevention and Control. Opioid Prescribing Guidelines Core Expert Group (CEG). CDC Opioid Prescribing Guidelines. Atlanta, GA. June 23-24, 2015.

Department of Homeland Security (DHS)

Consultant, 2010-present (Chemical Terrorism Risk Assessment)

Developing Medical Countermeasures to Rescue Opioid-Induced Respiratory Depression (A Trans-Agency Scientific Meeting). NIAID Conference Center. August 6-7, 2019

Department of Defense. Criteria in Defining Key Performance Attributes for Medical Countermeasures against Opioids. Rapid Opioid Countermeasure Systems (ROCS). White paper. Completed April 2017.

Chemical Defense Program. Five City Unification Meeting: Insights and Lessons Learned from the Chemical Defense Demonstration Projects. March 15-16, 2016. New Orleans, LA.

Office of Health Affairs. Development of Guidance for Medical Countermeasure Administration in Mass Exposure Incidents involving Nerve Agents SME Workshop. January 6, 2016

DHS Office of Health Affairs and Customs and Border Protection. International Collaboration on Medical Evaluation Protocols for Internal Drug Smugglers, Packers, Swallowers, Couriers. 2013.

Food and Drug Administration (FDA)

Drug Safety and Risk Management Advisory Committee, 2006-present

Chair 2011-2012

Consultant (Special Government Employee)

Greater New York Hospital Association

GNYHA Opioid Advisory Group, 2017-2020

Institute for Clinical and Economic Review (ICER)

Abuse Deterrent Formulations of Opioids: Effectiveness and Value. Final Evidence Report. Reviewer. March-August 2017.

Medical Toxicology Subboard (ABEM, ABP, ABPM)

Medical Toxicology Core Content Task Force. 2010-2012. ABEM representative.

American Board of Emergency Medicine Liaison, 2014-present.

National Academy of Medicine

Health Policy Fellowship and Leadership Program Advisory Board, 2019-present

NAM Opioid Action Collaborative Network (Rutgers University rep), 2019-present

National Association of Medical Examiners.

Revision of Position Paper on Classification of Opioid-Related Deaths (CDC/CMS Alliance to Modernize Healthcare). May 15, 2019.

ACMT/NAME Joint Position Statement on Classification of Opioid-Related Deaths. June 25, 2012.

National Institutes of Health (NIH)

Study Section. Health Services Organization and Delivery (HSOD). Grant review. June 24-25, 2019.

CounterACT Program, National Institute of Neurologic Disorders and Stroke (NINDS). External Advisory Committee for the Denver CounterACT Research Center of Excellence. June 12, 2017.

Special Emphasis Panel, Drug Abuse. NIH/NIDA. Grant PAR-16-055. Mechanism for Time-Sensitive Drug Abuse Research (R21). ZDA1 JXR-D (19). December 2016

Study Section. Countermeasures Against Chemical Threats (CounterACT) Research Centers of Excellence (U54). PAR-15-146. March 24, 2016

Study Section. Countermeasures against Chemical Threats (CounterACT). Cooperative Research Projects (U01). PAR-13-208. March 24, 2016

National Institute of Neurologic Disorders and Stroke (NINDS), CounterACT Program, Steering Committee. 2010-present

CounterACT Program, National Institute of Neurologic Disorders and Stroke (NINDS), National Institutes of Health. Expert Working Group on Cyanide. 2006-present

NINDS. 3rd Annual CounterACT Network Research Symposium, Program Review Committee. April 14–16, 2009. Washington DC.

Rutgers New Jersey Medical School and University Hospital (external to Chair/Chief requirements)

Medication Safety Committee, 2016-present

Pharmacy and Therapeutics Committee member, 2016-present

Chair of Neurosurgery Search Committee, 2017

Chief Medical Officer Search Committee, 2017

Lecturer, UME: Autonomic pharmacology; Opioid pharmacology; Substance Use

Rutgers Health Group

Board of Directors, 2016-2020

RHG Operations and Value committee, 2018- 2020 (disbanded)

Society for Academic Emergency Medicine (SAEM)

Workforce Committee, 2022-present

Faculty Development Committee, 2017-21

Finance Committee, 2017-present

Program Committee, 2000-2003, 2009-10, 2012-2018

Chair, Premeeting Workshops, 2014-2015

External Collaboration Committee, 2011-2012

Graduate Medical Education Committee, 1998-2000

Substance Abuse and Mental Health Services Administration (SAMHSA)

Technical Assistant (STR-TA), State Targeted Response Technical Assistance Consortium, 2018-

White House Office of National Drug Control Policy. ONDCP/NIDA/NIAAA/SAMHSA/ABAM/CDC: Symposium: Medicine Responds to Addiction. Building a Trained & Certified Workforce (lecture); Integrating Addiction Knowledge & Skills into Residency Training & Physician Practice (panel). Sept 18, 2015.

PREVIOUS PROFESSIONAL ACTIVITIES

American Association of Poison Control Centers (AAPCC)

Fatality Review Team, 2007-2011

Guidelines for the Prehospital Management of Poisonings. Supported in full by Cooperative Agreement 8 U4B MC 00084-01 between the American Association of Poison Control Centers and the Maternal and Child Health Bureau, Health Resources and Services Administration, Department of Human Services. November 2004-2009.

American Association of Clinical Toxicology (AACT)

NACCT Abstract Review Committee, 1997-present; Chairperson, 2004-2006

Communication and Technology Committee, 2001-2; Chairperson, 2002-2005

NAACT Program committee, 2004-2006; Chair, 2006-2008

Advanced Hazmat Life Support (AHLs). Regional Director, Region 10, 2000-2006.

American Board of Addiction Medicine/ABAM Foundation (transition to Am Board of Preventive Medicine)

Addiction Medicine Training, White House Symposium. Sept 2015, June 2019

American Board of Emergency Medicine

Subboard of Medical Toxicology, Member, 2004-2010; Chair, 2008-2010

American College of Emergency Physicians (ACEP)
Academic Affairs Committee, Member 1999-2001.
Needs Assessment subcommittee, Website subcommittee, Patient Safety subcommittee

American College of Emergency Physicians, New York State Chapter
Public Policy Committee, Resident representative 1991-1993.
Member 1993-2017

American College of Medical Toxicology (ACMT)
ACMT/American Heart Association Joint Committee on Cardiovascular Toxins, Co-Chairperson 1998-2000.
External Education Initiatives Subcommittee, Chair, 1999-2002.
Internal Educational Initiatives Subcommittee, 1999-2002

Bellevue Hospital Center
Care Management Plans, Alcohol Withdrawal Guidelines, 2010

Beth Israel Medical Center
House Staff Committee
Emergency Medicine Residency Representative 1990-1992; Chairman 1992-1993.
Medical Board Resident Representative, 1992-1993.
Joint Conference Committee, 1992-1993.

Centers for Disease Control and Prevention
CDC Division of Violence Prevention. Expert Panel: Suicide, Prescription Drug Overdose (PDO), and Prevention, March 9-10, 2015
CDC-National Center for Injury Prevention and Control. Special Emphasis Panel. Research on Integration of Injury Prevention in Health Systems. 2013.
Agency for Toxic Substances and Disease Registry (ATSDR) / Centers for Disease Control and Prevention (CDC). Consultant, Assessment of Vulnerability to Chemical Disasters. April 1, 2003.

Emergency Medicine Residents Committee of New York State
Founding member 1990-1992
Chairman 1992-1993.

National Academy of Medicine/Institute of Medicine
Institute of Medicine/National Academy of Science. Proposal for the Evaluation of Dietary Supplements. October 4, 2002.

National Research Council/The National Academies.
Principles of Building Protection from Biological and Chemical Releases: A Framework for Decision Making. April 2007.
Review of Report: Evaluation of Chemical Events at Army Chemical Agent Disposal Facilities (DEPS-BAST-J-00-05-A). August 13, 2002.
Review of Report: Protecting Building Occupants from Biological and Chemical Airborne Threats: A Framework for Decision Making. July 2007.

New York Botanical Gardens, Bronx, NY
Consultant, Poisonous Plants, 2000-present
Advisory Committee, Wild Medicine, Medicinal plants exhibit, 2013.

New York City Department of Health
Pharmacy Oversight Committee, 1996-2002.

New York City Emergency Medical Services
Hyperbaric Committee, 1994-2000.
Specialty Referral Center Committee, 1994-2000.

New York City Mayor's Office of Operations

Chemical Terrorism Task Force, 1996-2006.

New York State Department of Health

Prescription Drug Task Force, I-STOP (Prescription Monitoring Program) implementation, 2012-present
New York Patient Occurrence and Tracking System (NYPORTS) Medication Errors Expert Panel, 2002-2008.

United States Pharmacopoeia (USP)

Convention Member representing New York University School of Medicine, 2005-2015.
Council of Experts, Clinical Toxicology Information Expert Committee, 2005-2010.
Critical Care and Emergency Medicine Expert Committee, 2000-2005

Yale University/Yale-New Haven Hospital

Conscious Sedation Committee, 1995-1996.
Asthma Management Continuing Quality Improvement Committee, 1995-1996.
Asthma Clinical Pathway Development Committee, 1995-1996.
Congestive Heart Failure Clinical Pathway Development Committee, 1995-1996.

AWARDS

New Jersey Medical School, Faculty Organization, Faculty of the Year, 2018
Peter & Eva Safar Annual Lectureship in Medical Sciences Humanities. University of Pittsburgh, 2018.
Matthew J. Ellenhorn Career Achievement Award, American College of Medical Toxicology, 2018
Golden Apple Teaching Award (nominee), New Jersey Medical School, 2018, 2019, 2020, 2021
Outstanding Contribution, Academic Network of International Scientific Collaboration, Honorary Member. Universidad de Antioquia, School of Medicine, Medellin, Colombia. 2015
Outstanding Service to the College, American College of Medical Toxicology, 2015
Teaching Award for Medical Toxicology Elective, University of Manitoba, 2010
Service Award, American Academy of Clinical Toxicology, 2008
Outstanding Reviewer, Annals of Internal Medicine, 2008
Outstanding Reviewer, Academic Emergency Medicine, 2008
Outstanding Contribution to Medical Toxicology Education, American College of Medical Toxicology 2007
Top Consultant, Annals of Emergency Medicine 1997, 1998, 2000, 2001, 2002, 2003, 2005, 2006
Academic Attending of the Year, 2006, New York University Emergency Medicine Residency

EDITORIAL POSITIONS, JOURNALS

Annals of Emergency Medicine

Associate Editor, 2014-present
Editorial Board, 2007-2014
Decision Editor, 2006-2007

Emergency Medicine (deprecated 2018)

Editorial Board, 2006-2018

Journal of Medical Toxicology

Editorial Board, 2012-present
American College of Medical Toxicology Board Liaison. 2006-present.
Guest Editor

Special Issue. Forensic Toxicology of Drug Abuse. January 2017

Special Issue. Prescription Opioid Epidemic. December 2012.

EM Practice Guidelines, Editorial Board, 2009-2014

Poisindex, Micromedex, Inc. Editorial Board, 1996-2006

REVIEWER, JOURNALS

Academic Emergency Medicine
American Family Physician
American Journal of Emergency Medicine
Annals of Emergency Medicine
Annals of Internal Medicine
Archives of Diseases in Childhood
Asia Pacific Journal of Medical Toxicology
Canadian Medical Association Journal (CMAJ)
Clinical Toxicology
Critical Care Medicine
European Journal of Emergency Medicine
Intensive Care Medicine
Journal of the American Medical Association (JAMA)
JAMA Internal Medicine
Journal of Emergency Medicine
Journal of Medical Toxicology
Journal of Pediatrics
New England Journal of Medicine
Neuropharmacology
Pediatrics
Toxicology Letters

PUBLICATIONS**TEXTBOOKS***Current editions:*

Nelson LS, Balick MJ. Handbook of Poisonous and Injurious Plants, 3rd Edition. Springer/New York Botanical Garden. New York, NY. 2020 (ISBN-13: 978-1493989249)
Nelson LS, Howland MA, Lewin N, Smith SW, Goldfrank LR, Hoffman RS. Goldfrank's Toxicologic Emergencies, 11th Edition. McGraw-Hill. New York, NY. 2019. (ISBN-13: 978-1259859618)
Strayer R, Motov S, Nelson LS (Eds.), Management of Pain and Procedural Sedation in Acute Care. 2017-2020. [e-book] <http://painandpsa.org>

Prior editions:

Hoffman RS, Howland MA, Lewin N, Nelson LS, Goldfrank LR. Goldfrank's Toxicologic Emergencies, 10th Edition. McGraw-Hill. New York, NY. 2015. (ISBN-13: 978-0071801843)
Nelson LS, Lewin N, Howland MA, Hoffman RS, Goldfrank LR, Flomenbaum NE. Goldfrank's Toxicologic Emergencies, 9th Edition. McGraw-Hill. New York, NY. 2010. (ISBN-13: 978-0071605939)
Nelson LS, Shih RD, Balick MJ. Handbook of Poisonous and Injurious Plants, 2nd Edition. Springer/New York Botanical Garden. New York, NY. 2007 (ISBN-13: 978-0387312682)
Hoffman RS, Nelson LS, Howland MA, Lewin NA, Flomenbaum NE, Goldfrank LR. Goldfrank's Manual of Toxicologic Emergencies. McGraw-Hill, New York, NY 2007 (ISBN-13: 978-0071443104)
Flomenbaum NE, Goldfrank LR, Hoffman RS, Howland MA, Lewin N, Nelson LS. Goldfrank's Toxicologic Emergencies, 8th Edition. McGraw-Hill. New York, NY. 2006. (ISBN-13: 978-0071479141)
Goldfrank LR, Flomenbaum NE, Lewin N, Howland MA, Hoffman RS, Nelson LS. Goldfrank's Toxicologic Emergencies, 7th Edition. McGraw-Hill. New York, NY. 2002. (ISBN-13: 978-0071360012)

PEER REVIEWED JOURNALS

1. Lu DW, Zhan T, Bilimoria KY, Reisdorff EJ, Barton MA, Nelson LS, Beeson MS, Lall MD. Workplace Mistreatment, Career Choice Regret, and Burnout in Emergency Medicine Residency Training in the United States. *Ann Emerg Med*. 2023 Feb 6:S0196-0644(22)01198-2. PMID: 36754699 Online ahead of print.
2. Ramdin C, Bikkina R, Nelson L, Mazer-Amirshahi M. Trends in amphetamine prescriptions given at discharge in emergency departments: A national analysis (2012-2019). *Am J Emerg Med*. 2023 Jan 28;66:91-97. PMID: 36738570 Online ahead of print.
3. Ramdin C, Santos C, Nelson L. Alcohol Use in Patients with Opioid Use Disorder Linked to and Undergoing Buprenorphine Treatment via a Peer-Navigator Program Based in an Urban Emergency Department. *Alcohol Alcohol*. 2023 Jan 9;58(1):113-114. PMID: 36420974
4. Ramdin C, Chandran K, Nelson L, Mazer-Amirshahi M. Trends in naloxone prescribed at emergency department discharge: A national analysis (2012-2019). *Am J Emerg Med*. 2023 Jan 5;65:162-167. Online ahead of print. PMID: 36638613
5. Greenwald MK, Herring AA, Perrone J, Nelson LS, Azar P. A Neuropharmacological Model to Explain Buprenorphine Induction Challenges. *Ann Emerg Med*. 2022 Dec;80(6):509-524. PMID: 35940992
6. Ramdin C, Tu J, Nelson L. The impact of COVID-19 on analgesic prescribing in an urban emergency department. *J Addict Dis*. 2022 Nov 14:1-8. doi: 10.1080/10550887.2022.2141046. Online ahead of print. PMID: 36374305
7. Ramdin C, Attaalla K, Ghafoor N, **Nelson L**. Factors Associated With the Presence of Co-occurring Pain and Substance Use Disorder Programs in Substance Use Treatment Facilities. *J Addict Med*. 2022 Aug 16. doi: 10.1097/ADM.0000000000001051. Online ahead of print. PMID: 35972137
8. Barton MA, Lall MD, Johnston MM, Lu DW, Nelson LS, Bilimoria KY, Reisdorf EJ. Reliability and validity support for an abbreviated Copenhagen burnout inventory using exploratory and confirmatory factor analysis. *J Am Coll Emerg Physicians Open*. 2022 Aug 8;3(4):e12797. PMID: 35949274
9. Weiner SG, Hendricks MA, El Ibrahim S (Nelson LS). Opioid-related overdose and chronic use following an initial prescription of hydrocodone versus oxycodone. *PLoS One*. 2022 Apr 5;17(4):e0266561. PMID: 35381052
10. Nelson LS, Calderon Y, Ankel FK, Barry JD, Beeson MS, Chudnofsky CR, Feldhaus KM, Gausche-Hill M, Gaeta TJ, Gorgas DL, Goyal DG, Keim SM. American Board of Emergency Medicine Report on Residency and Fellowship Training Information (2021-2022). *Ann Emerg Med*. 2022 Jul;80(1):74-83.e8. PMID: 35717115
11. Wightman RS, Nelson LS. Naloxone Dosing in the Era of Fentanyl: The Path Widens by Traveling Down It. *Ann Emerg Med*. 2022 Aug;80(2):127-129. PMID: 35643776
12. Mullins PM, Mazer-Amirshahi M, Pourmand A, Perrone J, Nelson LS, Pines JM. Tramadol Use in United States Emergency Departments 2007-2018. *J Emerg Med*. 2022 May;62(5):668-674. PMID: 35370038
13. Spadaro A, Sarker A, Hogg-Bremer W, Love JS, O'Donnell N, Nelson LS, Perrone J. Reddit discussions about buprenorphine associated precipitated withdrawal in the era of fentanyl. *Clin Toxicol*. 2022 Jun;60(6):694-701. PMID: 35119337
14. Stolbach A, Connors N, Nelson L, Kulig K. ACMT Position Statement: Interpretation of Urine Opiate and Opioid Tests. *J Med Toxicol*. 2022 Apr;18(2):176-179. PMID: 34780053
15. Ramdin C, Guo M, Fabricant S, Santos C, Nelson L. The Impact of a Peer-Navigator Program on Naloxone Distribution and Buprenorphine Utilization in the Emergency Department. *Subst Use Misuse*. 2021 Dec 31:1-7. PMID: 34970942

16. Chandran K, Mazer-Amirshahi M, Shankar N, Desale S, Nelson L, Mete M. Impact of COVID-19 pandemic on emergency department substance use screens and overdose presentations. *Am J Emerg Med*. 2021 Dec;50:472-476. PMID: 34509745
17. Loughran D, Nelson L. Comment on "The Impact of Treatment with Continuous Positive Airway Pressure on Acute Carbon Monoxide Poisoning". *Prehosp Disaster Med*. 2021 Dec;36(6):805-806. PMID: 34602100
18. Ramdin C, Yu C, Colorado J, Nelson L. The impact of adherence to a guideline for minimizing opioid use for treatment of pain in an urban emergency department. *Am J Emerg Med*. 2021 Nov;49:104-109. PMID: 34098328
19. Steel TL, Afshar M, Edwards S, Jolley SE, Timko C, Clark BJ, Douglas IS, Dzierba AL, Gershengorn HB, Gilpin NW, Godwin DW, Hough CL, Maldonado JR, Mehta AB, Nelson LS, Patel MB, Rastegar DA, Stollings JL, Tabakoff B, Tate JA, Wong A, Burnham EL. Research Needs for Inpatient Management of Severe Alcohol Withdrawal Syndrome: An Official American Thoracic Society Research Statement. *Am J Respir Crit Care Med*. 2021 Oct 1;204(7):e61-e87. PMID: 34609257
20. Wightman RS, Perrone J, Scagos R, Hallowell BD, Krieger M, Li Y, McGregor AJ, Nelson LS, Marshall BDL. Toxicological and pharmacologic sex differences in unintentional or undetermined opioid overdose death. *Drug Alcohol Depend*. 2021 Oct 1;227:108994. PMID: 34482038
21. Deutsch AJ, Gajdosik DA, Ramdin C, Tebo C, Mazer-Amirshahi M, Fox ER, Colorado J, Nelson LS, Perrone J. The Impact of the Parenteral Opioid Medication Shortages on Opioid Utilization Practices in the Emergency Department of Two University Hospitals. *J Med Toxicol*. 2021 Oct;17(4):372-377. PMID: 33905078
22. Perrone J, Nelson LS. Addressing Opioid Use Disorder in the Emergency Department: Should We Have a Metric of Success? *Ann Emerg Med*. 2021 Dec;78(6):773-775 PMID: 34417070
23. Lall MD, Bilimoria KY, Lu DW, Zhan T, Barton MA, Hu YY, Beeson MS, Adams JG, Nelson LS, Baren JM. Prevalence of Discrimination, Abuse, and Harassment in Emergency Medicine Residency Training in the US. *JAMA Netw Open*. 2021 Aug 2;4(8):e2121706. PMID: 34410392
24. Calello DP, Nelson LS. Illicit drug packet ingestion and the ASGE clinical guideline on removal of foreign bodies. *Gastrointest Endosc*. 2021 Jul;94(1):205 PMID: 34148578
25. Midthun KM, Nelson LS, Logan BK. Levamisole-a Toxic Adulterant in Illicit Drug Preparations. *Ther Drug Monit*. 2021 Apr 1;43(2):221-228 PMID: 33298746
26. Tebo C, Mazer-Amirshahi M, Zocchi MS, Gibson C, Rosenwohl-Mack S, Hsia RY, Fox ER, Nelson LS, Pines J. The rising cost of commonly used emergency department medications (2006-15). *Am J Emerg Med*. 2021 Apr;42:137-142. PMID 32081556
27. Rockett IRH, Caine ED, Banerjee A, Ali B (Nelson LS). Fatal self-injury in the United States, 1999-2018: Unmasking a national mental health crisis. *EClinicalMedicine*. 2021 Feb 8;32:100741. PMID: 33681743
28. Meaden CW, Ramdin C, Ruck B, Nelson LS, et al. The Poison Center as a pandemic response: establishment and characteristics of a COVID-19 hotline through the New Jersey Poison Center. *Clin Toxicol (Phila)*. 2021 Mar 31;1-6. PMID: 33787430
29. Jefri MY, Nelson LS. Comment on Comparison of rates of opioid withdrawal symptoms and reversal of opioid toxicity in patients treated with two naloxone dosing regimens. *Clin Toxicol (Phila)*. 2021 Jan;59(1):79-80. PMID: 33156706
30. Wightman RS, Perrone J, Scagos R, Krieger M, Nelson LS, Marshall BDL. Opioid Overdose Deaths with Buprenorphine Detected in Postmortem Toxicology: A Retrospective Analysis. *J Med Toxicol*. 2021 Jan;17(1):10-15. PMID: 32648229.
31. Meaden CW, Ramdin C, Nelson LS. Pain Score, Opioid Administration, and Delirium: A Confounded Relationship. *Acad Emerg Med*. 2021 Jan;28(1):144. PMID: 32785998.

32. Lindsay DL, Freedman K, Jarvis M, Lincoln P, Williams J, Nelson LS, Safarian T. Executive Summary of the American Society of Addiction Medicine (ASAM) Clinical Practice Guideline on Alcohol Withdrawal Management. *J Addict Med*. 2020 Sep/Oct;14(5):376-392. PMID: 32909985.
33. Beauchamp GA, Nelson LS, Perrone J, Lyons MS. A theoretical framework and nomenclature to characterize the iatrogenic contribution of therapeutic opioid exposure to opioid induced hyperalgesia, physical dependence, and opioid use disorder. *Am J Drug Alcohol Abuse*. 2020 Nov;46(6):671-683. PMID: 32897113.
34. Davis GG, Cadwallader AB, Fligner CL, Gilson TP, Hall ER, Harshbarger KE, Kronstrand R, Mallak CT, McLemore JL, Middleberg RA, Middleton OL, Nelson LS, Rogalska A, Tonsfeldt E, Walterscheid JP, Winecker RE. Position Paper: Recommendations for the Investigation, Diagnosis, and Certification of Deaths Related to Opioid and Other Drugs. *Am J Forensic Med Pathol*. 2020 Sep;41(3):152-159. PMID: 32404634.
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GRANTS RECEIVED

Current

Substance Abuse and Mental Health Services Administration 9/30/19-2/28/22 \$250,000

Co-Investigator

Frontline: Training Emergency Medicine Residents and Medical Toxicology Fellows to Effectively Screen, Assess, and Treat Patients with Substance Use Disorder. This project will develop and test SUD curricula for emergency medicine residency and medical toxicology fellowship programs among nearly 1,000 emergency medicine residents and 90 medical toxicology fellows. American College of Medical Toxicology. Grant FG000005-01

Substance Abuse and Mental Health Services Administration 9/30/19-2/28/22 \$227,106

Investigator

The goal of this project is to increase the competence and capability of emergency medicine residents/physicians to provide their patients with high-quality and evidence-based substance use disorder screening, assessment, and treatment. American College of Emergency Physicians. Grant FG000021-01

Substance Abuse and Mental Health Services Administration 2/28/19-2/27/22 \$1,564,554

Principle Investigator

Opioid Peer Emergency Navigation to Accessing Comprehensive Care and Engaging Specialized Services (OPEN ACCESS). The grant will support and study the effects of implementing screening, harm reduction, and treatment approaches for patients with opioid use disorder (OUD) at the University Hospital of Newark Emergency Department. Grant 1H79TI081510-01

Completed

Centers for Disease Control and Prevention 6/15/2018-6/15/2020 10% salary support

Intergovernmental Personnel Act Agreement 18IPA1806113

IPA to provide expertise in medical toxicology and emergency medicine regarding opioid addiction, overdose, and treatment as well as pain management. Assist with clinician-oriented translational and training material and provide a clinical perspective on pain management and toxicology.

Medical Toxicology Foundation	7/1/15-6/30/16	\$5000
Principle Investigator		
2015 Drug Abuse Prevention Award		
Helping Enhance Targeted Opioid Harm Reduction Efforts Through Erowid. Joint effort with Erowid website (erowid..org) to study the demographics and knowledge of visitors seeking opioid information. Develop messaging for safe opioid use/harm reduction and study the optimal means of displaying the information.		

Centers for Disease Control and Prevention	12/31/2011	\$10,000
Co-Awardee, Contract number 00HCUD3-2011-99784.		
Recommendations for the Investigation, Diagnosis, and Certification of Deaths Related to Opioid Drugs. Development of an expert review panel to improve consistency and accuracy of death determination among opioid using decedents.		

Lead Investigator	10/30/04-12/31/09	\$2,447,000
Department of Homeland Security		
Sponsoring Organization: New York University, Center for Catastrophe, Preparedness and Response (CCPR).		
Large Scale Emergency Readiness (LaSER) Disaster Research: The goal of the grant is to develop a public based computer simulation, an inter/multi-disciplinary effort to assess and develop new disaster large-scale emergency readiness research and protocols.		

Lead Investigator	10/30/07-11/31/09	\$1,600,000
Department of Defense		
Sponsoring Organization: Telemedicine & Advance Technology Research Center (TATRC)		
Agents of Opportunity: The goal of the grant is to develop a public based computer simulation, an inter/multi- disciplinary effort to assess and develop new disaster large scale emergency readiness research and protocols specific to hospital related disasters.		

Lead Investigator	1/1/07-12/31/08	\$1,000,000
Department of Defense		
Sponsoring Organization: New York University, Center for Catastrophe, Preparedness and Response (CCPR).		
Large Scale Emergency Readiness: Pandemic Influenza: The goal of the grant is to develop a public based computer simulation, an inter/multi- disciplinary effort to assess and develop new disaster large-scale emergency readiness research and protocols specific to Pandemic Influenza.		

ABSTRACT (POSTER/PLATFORM) PRESENTATIONS AT SCIENTIFIC MEETINGS

Society for Academic Emergency Medicine. New Orleans, LA. May 2022.

Kilaru AS , Faude S , Thakrar A , Spadaro A , Lowenstein M , Delgado MK , Nelson LS , Perrone JP. Association of Urine Norfentanyl-to-Fentanyl Ratio with Emergency Department Presentation for Opioid Withdrawal

Ramdin C , McManus K, Khalid S , Santos C, Nelson LS. Nonopioids are the Primary Analgesic Used by Patients Linked to Buprenorphine via a Peer-Navigator Program

McCoy JV , Heinert S , Ohman-Strickland P , Nelson LS, Eisenstein R. Directly Administered Emergency Department Monoclonal Antibody: Risk Factors, Vital Signs, and Clinical Outcomes

Alsharif P, Lutz J, Betti S, Zunger D, Ramdin C, Nelson LS, Satty T. Documentation Quality Limits Quantifying the Rate of Bystander Cardiopulmonary Resuscitation in the Post- COVID-19 World

Ibrahim P, Bastos T, Tang CKJ, Ramdin R, Nelson LS. Patient Satisfaction in an Urban Emergency Department

Khalid S , Gomez B, Shamsie IB , Ramdin C , Nelson LS. Substance Use Trends for Patients Enrolled in an Opioid Use Disorder Navigator Program During the COVID-19 Pandemic

Ramdin C, Zembrzuska MH, Zembrzuski KJ, Linares B, Nelson LS. Layperson Knowledge on Naloxone and Medications for Opioid Use Disorder in an Urban Population

Ramdin C, Rahaman K, Choi JH, Nelson LS. Social Media Utilization and Its Perceived Role on the Opioid Epidemic

Amin AP , Ramdin C , Ali M , Nelson LS , Dym A. Provider Adherence to University Hospital's Alcohol Withdrawal Treatment Algorithm

Yang I, Scalgione J, Plott J, Nelson LS, Ramdin C. Implementation of a High Dose Buprenorphine Guideline in the Emergency Department Quality Assurance Project

Attaalla KE, Ibrahim M, Nelson LS. Side Effects of COVID-19 Vaccine on Emergency Department Frontline Workers

American Society of Addiction Medicine. Hollywood, FL. April 2022.

Ramdin C, Nelson LS. Services for Treatment of Chronic Pain at Residential Substance Abuse Treatment Centers

Laes J, Wiegand TJ, Nelson LS, Perrone J . Precipitated Withdrawal 2.0: Outpatient Tips and Tricks

Schwarz ES, Nelson LS, Laes J, Pueringer RC. Naloxone: What You Need to Know

Steck AR, Laes JA, Wiegand EJ, Fairbanks JD, Haroz R, Nelson LS. Focus on Phenobarbital: Applications for Alcohol and Sedative-Hypnotic Withdrawal

Weiss ST, Laes J, Nelson, LS, Pandalai SL. The Role of Opioid Metabolic Pathways in Interpreting Urine Drug Testing Results

Laes J, Steck AR, Pueringer RC, Nelson LS. Facts About Fentanyl

Society for Academic Emergency Medicine. Virtual. May 2021.

Ramdin C, Muckey E, Rosania A, Nelson LS. Trends in drug use adverse effect visits at an emergency department during New Jersey's first wave of coronavirus

Alsharif P, Satty T, Ramdin R, Martinho A, Patel M, Nelson LS. Administration of naloxone during CO by an urban, hospital-based emergency medical service

Yu C, Ramdin C, Colorado J, Nelson LS. The impact of a guideline on minimizing opioids for pain treatment in an emergency department

Alsharif P, Nelson LS, Ramdin C, Satty T. Patterns in prehospital pronouncements and resource utilization at the height of COVID-19

Ramdin C, Nelson LS. Nonsteroidal anti-inflammatory drug use in an urban emergency department during the coronavirus pandemic

Ciesla M, Murka M, Ramdin C , Nelson LS, Jacob J. Evaluation of a guideline to reduce opioid administration in an urban emergency department

American Society of Addiction Medicine Virtual 2021. April 2021.

Haroz R, Laes J, Wiegand RJ, Nelson LS. Tricks of the Trade—Complex Buprenorphine Inductions,

Schwartz ES, Nelson LS, Laes J, Wiegand TJ. Excited Delirium: The Controversy in the Care of the Acutely Agitated Patient

Steck AR, Haroz R, Laes J, Nelson LS. Urine Drug Monitoring: Access and Accountability.
Laes J, Wightman R, Haroz R, Nelson LS. Precipitated Opioid Withdrawal: When, Where and What to do Next
Weiss ST, Nelson LS. Parallel Pharmaceutical & Alternative Opioid Agonist Therapies to Treat Opioid Use Disorder

Pediatric Academic Societies (PAS) 2021 Virtual Meeting

Wong K, Ramdin C, Ruck B, Nelson LS, Calello C. Pediatric Edible Cannabis Exposures during the COVID-19 Pandemic.

Society for Academic Emergency Medicine. Denver, CO. May 2020.

Ravi C, Kenyon V, Sugalski G, Gang M, Nelson LS. Extubating Trauma Patients in the Emergency Department.
Alsharif P, Calello D, Nelson LS, Ramdin C, Masters MM. Examining the Use of Naloxone by an Urban Hospital-Based Basic Life Support Service

American College of Medical Toxicology. Annual Scientific Meeting. New York, NY. March 2020.

Wightman RS, Perrone J, Scagos R, Krieger M, Nelson LS, Marshall B. Opioid Overdose Deaths With Buprenorphine Detected in Post Mortem Toxicology: A Retrospective Analysis
Iannaccone RS, Ramdin C, Perrone J, Nelson LS. Access to Medication-Assisted Treatment Among Residential Treatment Programs in the United States
Kaiser B, Ferraris B, Sule H, Nelson LS, Santos C. Poisoning Data in Developing Nations: A Systematic Review
Meaden C, Santos C, Calello D, Nelson LS. A Review of the Existing Literature on Buprenorphine Pharmacogenomics
Mullins PM, Pourmand A, Perrone J, Nelson LS, Pines J, Mazer-Amirshahi M. Trends in Emergency Department Tramadol Utilization, 2007-16

XXXIX International Congress of the European Association of Poisons Centres and Clinical Toxicologists. Naples, Italy, May 2019.

Hassanian-Moghaddam H, Zamani N, Roberts D, Nelson LS. A consensus statement on the management of patients in outbreaks of methanol poisoning.

American College of Medical Toxicology. Annual Scientific Meeting. San Francisco, CA. March 2019.

Mozeika A, Nelson LS, Calello DC. Opioid-associated Hearing Loss: a 20-year Review from the NJ Poison Center. Phenibut Exposures Reported to New Jersey Poison Control Center

Society for Academic Emergency Medicine. Indianapolis, IN. May 2018.

Mazer-Amirshahi MA, Koroshetz L, Soars R, Kuman A, Calello, Perrone J, Nelson LS. Emergency Department Patient Perceptions of the Efficacy and Safety of Opioid Analgesics

American College of Medical Toxicology. Annual Scientific Meeting. Washington, D.C. March 2018.

Fox L, Nelson LS, Ruck B, Santos C, Calello D. Occupational fentanyl exposures reported to the American Association of Poison Control Centers National Poison Data System.
Lozo K, Calello D, Nelson LS. Narcan't: Sociodemographic factors in retail pharmacy naloxone availability.
Mazer-Amirshahi MA, Koroshetz L, Soars R, Kuman A, Calello, Perrone J, Nelson LS. Emergency Department Patient Perceptions of the Efficacy and Safety of Opioid Analgesics
Mudan A, Wightman R, Jang D, Nelson LS, Perrone J. A review of cyanide poisoning deaths in the fatality reviews of the NPDS annual report.
Sahi N, Santos C, Calello D, Ruck B, Fox L, Nelson LS. Lope aint dope: Loperamide abuse and the Internet.

Santos C, Garcia E, Kazzi Z, Calello, Ericson B, Nelson LS. Characterization of toxic sites in low and middle income countries: Need for improved medical surveillance.

Yu C, Eustaquio N, Santos C, Calello D, Fox L, Ruck B, Nelson LS. Bismuth Subsalicylate Coagulopathy in a Patient with Chronic Liver Disease.

North American Congress of Clinical Toxicology. Vancouver, BC. October 2017

Lee V, Vera A, Calello D, Ruck B, Nelson LS, Campleman S, Wax P Brent J. Loperamide misuse to avoid opioid withdrawal: high doses, high risk. Clin Toxicol 2017;55:94

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Riggan MA, Chen C, Wightman RS, Howland MA, Nelson LS, Hoffman RS, Su M. Fatality Following Cantharidin Ingestion As Treatment For Gastric Cancer. Clin Toxicol 2016;54:666

Wightman RS, Su M, Henretig F, Marcus S, Nelson LS, Markowitz M. Neonatal lead poisoning treated with chelation. Clin Toxicol 2016;54:679

The College on Problems of Drug Dependence (CPDD). Palm Springs, CA. June 2016

Hawk K, Weiner S, Dziura J, Feillin DA, DaEun D, Nelson L, Hoppe J, Perrone J, D'Onofrio G. Prescribing opioids safely in the emergency department study: Predictors of emergency department discharge with high morphine milligram equivalent prescription. Drug Alc Depend 171 (2017) e86

XXXVI International Congress of the European Association of Poisons Centres and Clinical Toxicologists. Madrid, Spain, May 2016

Fernandez D, Hammer J, DeOlano J, Nelson LS, Hoffman RS, Su MK. A synthetic cannabinoid receptor agonist (AB-FUBINACA)-associated fatality. Clin Toxicol 2016;54:408

Fox LM, Biary R, Hoffman RS, Howland MA, Nelson LS, Smith SW. Co-administration of methadone and ondansetron associated with torsades de pointes. Clin Toxicol 2016;54:408

Wightman RS, Kunzler N, Nelson LS. Precipitated opioid withdrawal from naltrexone injection. Clin Toxicol 2016;54:408

Riggan MA, Howland MA, Hines EQ, Goldfarb DS, Nelson LS. Acute iatrogenic parenteral vancomycin overdose and associated nephrotoxicity: a case report. Clin Toxicol 2016;54:444

Replinger DJ, Hernandez SH, Hoffman RS, Hines EQ, Su MK, Nelson LS. Unique histopathology in severe iron toxicity treated with liver transplantation. Clin Toxicol 2016;54:492.

Hines EQ, Replinger DJ, Mahal V, Hoffman RS, Nelson LS, Smith SW. Topical aphrodisiac ingestion treated with digoxin-specific antibody fragments (DigiFab). Clin Toxicol 2016;54:493.

Society for Academic Emergency Medicine. New Orleans, LA, May 2016.

Mazer-Amirshahi MA, Mullins PM, Perrone J, Nelson LS, Pines JM. Emergency department utilization for poisoning related visits. Abstract 341.

Hawk K, D'Onofrio G, Dziura J, Fiellin D, Hoppe J, Nelson L, Perrone J, Weiner S. Predictors of emergency department discharge with an opioid prescription: Prescribing opioids safely from the ED (POSED) study. Abstract 100

American College of Medical Toxicology. Annual Scientific Meeting. Huntington Beach, CA. March 2016.

RS Wightman RS, Erowid F, Erowid F, J Perrone, ZF Meisel ZF, Nelson LS. Comparative Analysis of Trends in Opioid Queries on the Erowid Website 2009–2015. J Med Toxicol 2016;12:7

RS Wightman RS, Erowid F, Erowid F, J Perrone, ZF Meisel ZF, Nelson LS. Relative Frequency of Unique Opioid Page Visits Versus Heroin on Erowid.org J Med Toxicol 2016;12:7

Mazer-Amirshahi M, Mullin PM, Perrone JM, Nelson LS, Pines JM. Trends in Emergency Department Utilization for Poisoning-Related Visits, 2003–2011. *J Med Toxicol* 2016;12:21

Fernandez D, Nelson LS, Reppinger DJ, Smith SW, On Behalf of the Toxicology Investigator's Consortium (ToxIC). Metformin Intentional Overdose and its Association with Metabolic Acidosis and Elevated Lactate—As Reported by Toxicologists. *J Med Toxicol* 2016;12:31

Fernandez D, Prudhomme J, Nelson LS, Hoffman RS, Moran JH, Su MK. The "K2" Epidemic: Preliminary Results of a Health Department's Synthetic Cannabinoid Receptor Agonist (SCRA) Surveillance Project. *J Med Toxicol* 2016;12:32

North American Congress of Clinical Toxicology. San Francisco, CA. October 2015

Reppinger, Daniel J; Hoffman, Robert S; Nelson, Lewis S; Hines, Elizabeth Q; Howland, Mary Ann; Su, Mark K. 'Acute Rivaroxaban Overdose with Whole Blood Concentrations'. *Clin Tox* 2015 53(7):699

Reppinger, Daniel J; Hoffman, Robert S; Nelson, Lewis S; Fernandez, Denise; Su, Mark K. 'Pseudo-hyperchloremia with sodium bromide use still a problem'. *Clin Tox* 2015 53(7):674

Nguyen, Vincent; Hoffman, Robert S; Howland, Mary Ann; Su, Mark K; Nelson, Lewis S. 'The real rat race: Treating a brodifacoum poisoning for 9 months'. *Clin Tox* 2015 53(7):711

Hines, Elizabeth Q; Nelson, Lewis S; Reppinger, Daniel J; Stevens, Martha W; Anders, Jennifer F. 'High-Dose versus Low-Dose Naloxone for Treatment of Presumed Opioid Intoxication in Pediatric Patients'. *Clin Tox* 2015 53(7):765

Fernandez, Denise; Lamberta, Michael; Hines, Elizabeth Q; Touger, Michael; Nelson, Lewis S. 'North Pacific Rattlesnake (*Crotalus oreganus*) envenomation leads to ocular destruction and systemic toxicity'. *Clin Tox* 2015 53(7):669

XXXV International Congress of the European Association of Poisons Centres and Clinical Toxicologists. St. Julian's, Malta. May 2015

Chary M, Genes N, Giraud-Carrier C, Hanson C, Nelson LS, Manini AF. Estimating nonmedical use of prescription opioids in the United States from social media (301)

Nguyen V, Lucyk SN, Howland MA, Su MK, Nelson LS. Too bad to be true? Osmol gap >300 mOsm/L (139)

Society for Academic Emergency Medicine. San Diego, CA, May 2015.

Pomerleau AC, Perrone J, Nelson LS. When the Doctor is the Patient: ED Clinicians Self Reported Therapeutic Use of Opioid Analgesics. Abstract 649.

Mazer-Amirshahi MA, Mullins P, Perrone J, Nelson LS. Trends in Outpatient Benzodiazepine Prescribing, 2005-10. Abstract 677. Platform.

Hoppe JA, Perrone J, Nelson LS, Thundiyil JG, Weiner SG. Opioid Analgesic Prescribing in a Consortium of 19 U.S. Emergency Departments. Abstract 92. Platform.

Mazer-Amirshahi MA, Hawley K, Fox E, Zocchi M, Pines J, Nelson LS. Drug Shortages: Implications for Medical Toxicology. Abstract 207.

American College of Medical Toxicology. Annual Scientific Meeting. Clearwater, FL. March 2015.

Mazer-Amirshahi ME, Mullins PM, Perrone J, Nelson LS. Utilization Patterns of Carisoprodol in Ambulatory Care and Emergency Departments, 2001–2010

Hoppe JA, Perrone J, Weiner SG, Thundiyil JG, Iwanicki J, Nelson LS. Risk Factors Associated with Opioid Analgesic Prescribing in a Cross-Section of Nineteen U.S. Emergency Departments

Mazer-Amirshahi ME, D'Orazio JD, Mullins PM, Nelson LS, Perrone J. Ambulatory Care and Emergency Department Prescribing Practices Do Not Account for Gender Differences in Opioid Analgesic-Related Deaths.

CharyM, Genes N, Giraud-Carrier C, HansonC, Nelson LS, Manini AF. Estimating Nonmedical Use of Prescription Opioids in the United States from Social Media.

Mazer-Amirshahi ME, Mullins PM, Perrone J, Nelson LS. Trends in Outpatient Benzodiazepine Prescribing, 2005–2010

Laskowski LK, Henesch JA, Hoffman RS, Nelson LS, Smith SW. Start Me Up! Recurrent Defibrillations in Refractory Ventricular Tachydysrhythmias Following Intentional Caffeine Powder and Pill Ingestion

Nguyen V, Lucyk S, Nelson LS, Su MK. #Music&Drugs+Tweets: How #Drugs and #Alcohol Are Being Talked About @ Music Festivals

Pomerleau AC, Nelson LS, Perrone J. “Doc, Can I Have Something Stronger?” ED Prescribers’ Perspectives and Practices Concerning Opioid Prescribing

North American Congress of Clinical Toxicology. New Orleans, LA. October 2014

Mazer-Amirshahi M, Dorazio J, Mullins P, van den Anker J, Perrone J, Nelson LS. Concomitant use of opioid analgesics and benzodiazepines in U.S. ambulatory clinics and emergency departments. Clin Tox 2014;52:704.

Laskowski LK, Calvo J, Exantus-Bernard G, Fong J, Poklis JL, Poklis A, Nelson LS. NBOMes lost in translation: What you see is not what you get. Clin Tox 2014;52:714.

Nguyen V, Laskowski L, Nelson LS. Death and Taxus: A case of hypotension, bradycardia, and dysrhythmias from yew berry ingestion. Clin Tox 2014;52:740.

Fernandez D, Biary R, Golden D, Clark S, Nelson LS, Smith SW, Rao RB. Provider knowledge, attitudes, and practice surrounding emergency department rescue dosing of opioid replacement therapy. Clin Tox 2014;52:786.

Biary R, Oh A, Lapoint J, Nelson LS, Hoffman RS, Howland MA. Topical capsaicin cream used as a therapy for cannabinoid hyperemesis syndrome. Clin Tox 2014;52:787.

Biary R, Kremer A, Sauthoff H, Nelson LS, Goldfarb D, Hoffman RS, Howland MA. Falsely elevated salicylate level in a patient with hypertriglyceridemia. Clin Tox 2014;52:790.

Lucyk SN, Nelson LS, Hoffman RS, Howland MA, Su M. Ingestion of compounded ointment leading to significant toxicity in a child. Clin Tox 2014;52:801.

Society for Academic Emergency Medicine. Dallas TX, May 2014.

Mazer-Amirshahi M, Perrone J, Pines J, Mullins P, Nelson LS. Trends in Opioid Prescribing in U.S. Emergency Departments Based on Provider Level of Training

Mazer-Amirshahi M, Pines J, Perrone J, Nelson LS. Trends in Opioid Prescribing for Acute Headache in U.S. Emergency Departments

Mazer-Amirshahi M, Mullins P, Pines J, Nelson LS, Perrone J. Trends in Opioid Analgesic Prescribing in U.S. Emergency Departments for Low-Acuity Visits

Nagel F, Kattan J, Paone D, Mantha S, Nelson LS. Qualitative Evaluation of the New York City Emergency Department Discharge Opioid Prescribing Guidelines.

XXXIV International Congress of the European Association of Poisons Centres and Clinical Toxicologists. Brussels, Belgium. May 2014

Laskowski LK, Want C, Howland MA, Hoffman RS, Nelson LS. Rivastigmine toxicity safely treated with pralidoxime without atropine. Clinical Toxicology (2014)

Biary R, Nelson LS, Hoffman RS, Lugassy D. Hydroxocobalamin administration falsely lowers carboxyhemoglobin determination. Clinical Toxicology (2014)

Lucyk SN, Hernandez SH, Nelson LS. A case report of exogenous human chorionic gonadotropin use leading to laparoscopy to exclude ectopic pregnancy. Clinical Toxicology (2014)

Nguyen V, Hoffman RS, Nelson LS. Chlorine dioxide from a dietary supplement causing hemolytic anemia. *Clinical Toxicology* (2014)

Connors NJ, Nelson LS, Hoffman RS, Su MK. Neonatal medication errors reported to a poison control center. *Clinical Toxicology* (2014)

Connors NJ, Marn R, Howland MA, Nelson LS, Hoffman RS. Toxicokinetics of intravenous paracetamol overdose in a 13 kg girl. *Clinical Toxicology* (2014)

Takematsu M, Hoffman RS, Nelson LS, Howland MA, Smith SW. Plan C: Intra-muscular overdose of methotrexate. A rarely reported entity. *Clinical Toxicology* (2014)

Lucyk SN, Nelson LS, Hoffman RS. Iatrogenic recombinant factor VIII overdose in a patient with hemophilia A. *Clinical Toxicology* (2014)

Takematsu M, Nelson LS, Hoffman RS, Chu J. Diabetes insipidus associated with valproic acid overdose: A rare case of valproic acid toxicity. *Clinical Toxicology* (2014)

Takematsu M, Hoffman RS, Nelson LS, Moran JF, Melendez S, Schechter JM, Wiener SW. "WTF": A case of acute cerebral ischemia following synthetic cannabinoid inhalation. *Clinical Toxicology* (2014)

Takematsu M, Smith SW, Nelson LS, Hoffman RS. Full of grace to full of gas: A perforated body packer. *Clinical Toxicology* (2014)

Connors NJ, Glover RL, Stefan C, Patterson D, Wong E, Milstein M, Hoffman RS, Nelson LS, Smith SW. Biological and botanical confirmation of solanaceous glycoalkaloid poisoning by susumber berries (*Solanum torvum*). *Clinical Toxicology* (2014)

Biary R, Nelson LS, Hoffman RS, Farmer BM. Intravenous lipid emulsion used in the therapy of a patient with prolonged cardiac pauses following a single pill ingestion of propafenone. *Clinical Toxicology* (2014)

Fil L, Nelson LS, Olsen DG. Characterization of the use of naloxone in pediatric patients using data from the Toxicology Investigators Consortium. *Clinical Toxicology* (2014)

Nguyen V, Kramer S, Wightman R, Nelson LS, Hoffman RS. Laundry detergent pod causing esophageal and gastric injury in an adult. *Clinical Toxicology* (2014)

American College of Medical Toxicology Annual Scientific Meeting. Phoenix, AZ. March 2014.

Mazer-Amirshahi M, Mullins PM, Pines JM, Perrone J, Nelson LS. Trends in Opioid Prescribing for Acute Headache in US Emergency Departments. *J Med Toxicol* 2014;10

Mazer-Amirshahi M, Mullins PM, Pines JM, Nelson LS, Perrone J. Trends in Opioid Prescribing in US Emergency Departments Based on Provider Level of Training. *J Med Toxicol* 2014;10

Carey JL, Halliday M, Nelson LS, Wax PM. Medical Toxicology Education in Medical Schools in the USA. *J Med Toxicol* 2014;10

Connors NC, Nelson LS. Wide Variation in Naloxone Dosing Recommendations for Acute Opioid Toxicity. *J Med Toxicol* 2014;10

Farmer BM, Nelson LS, Perrone J, and ToxIC. Bedside Evaluation of Adverse Drug Events by Medical Toxicologists. *J Med Toxicol* 2014;10

Fil LF, Nelson LS, Olsen D and ToxIC. Naloxone Administration in the Pediatric Population According to ToxIC Database Reporting. *J Med Toxicol* 2014;10

Mazer-Amirshahi M, Mullins PM, Perrone J, Nelson LS, Pines JM. Trends in Opioid Prescribing Based on Provider Specialty in US Ambulatory Clinics. *J Med Toxicol* 2014;10

American College of Emergency Physicians Research Forum, Seattle, WA. October 2013.

Shutler L, Perrone J, Portelli I, Blachford C, Nelson LS. Prescription Opioids in the Twittersphere: A Contextual Analysis of Tweets About Prescription Drugs. *Ann Emerg Med* 2013;62 (4 suppl):122.

North American Congress of Clinical Toxicology. Atlanta, GA. September 2013

Biary R, Makvana S, Hussain AZ., Asuncion A, Afreen T, Howland MA, Smith SW, Hoffman RS, Nelson LS. Prolonged Hypertension from a 1,000-fold clonidine compounding error. Clin Toxicol 2013 51(7):596

Connors N, Howland MA, Hoffman RS, Nelson LS, Smith SW. Voriconazole overdose causes acute kidney injury and severe drug interaction with tacrolimus. Clin Toxicol 2013 51(7):657-658

Connors N, Bhatt BA, Kraunz S, Hoffman RS, Nelson LS. Hemolytic crisis and methemoglobinemia following pegloticase infusion in a patient with normal G6PD activity. Clin Toxicol. 2013 51(7):654-655

Connors, NJ, Shawn LK, Vassallo SU, Mercurio-Zappala, M, Nelson LS, Hoffman RS, Smith SW. A case series of cationic detergent ingestions in a large correctional facility'. Clin Toxicol 2013 51(7):607

Biary R, Howland MA, Smith SW, Hoffman RS, Nelson LS. Serotonin syndrome in a five year old child. Clin Toxicol 2013 51(7):596-597

Jang DH, Chu , Donovan S, Bania TC, Nelson LS, Hoffman RS. Methylene blue in an experimental model of severe amlodipine poisoning. Clin Toxicol. 2013 51(7):578-579

XXXIII International Congress of the European Association of Poisons Centres and Clinical Toxicologists. Copenhagen, Denmark. May 2013

Takematsu M, Smith SW, Hoffman RS, Nelson LS. Berries that weren't that sweet after all... – A case of raspberry ketone intoxication. Clin Toxicol 2013;51:284.

Shawn LK, Chen CC, Connors N, Nelson LS, Hoffman RS, Smith SW. Incidence of carbon monoxide calls to a US poison center following Hurricane Sandy. Clin Toxicol 2013;51:297

Farmer BM, Shawn LK, Lanfranko JA, Harvey BG, Hoffman RS, Nelson LS. Chasing the wrong dragon: Acute respiratory distress from inhaling the contents of a fentanyl patch. Clin Toxicol 2013;51:346

Kim HK, Biary R, Chen BC, Berlin DA, Hoffman SA, Nelson LS, Farmer BM. Complications from ultra rapid opioid detoxification at a single detoxification center. Clin Toxicol 2013;51:347

Kim HK, Freidman-Jimenez G, Smith SW, Fritz PM, Laiz MC, Hoffman RS, Nelson LS. When work comes home: Delayed elevation of plasma mercury concentration after an occupational mercury exposure. Clin Toxicol 2013;51:359

Connors NJ, Sise ME, Nelson LS, Hoffman RS, Smith SW. Methotrexate toxicity treated with continuous venovenous hemofiltration and leucovorin. Clin Toxicol 2013;51:366

Farmer BF, Chen BC, Hoffman RS, Nelson LS, Rao RB. Ketamine and midazolam for procedural sedation prevents respiratory depression in life-threatening aspirin toxicity. Clin Toxicol 2013;51:367.

Connors NJ, Hoffman RS, Nelson LS. Increased serum osmolality and metabolic acidosis following massive γ -hydroxybutyrate consumption. Clin Toxicol 2013;51:367.

Biary R, Senturia S, Howland MA, Hoffman RS, Nelson LS, Farmer BM, Prosser JM. Naloxone used to prevent intubation in a patient with severe hepatic encephalopathy. Clin Toxicol 2013;51:369.

American College of Medical Toxicology Annual Scientific Meeting. San Juan, Puerto Rico. March 2013.

Lapoint J, Perrone J, Nelson LS. A Missed Opportunity for Safe Opioid Use Using Electronic Pharmacopeia. J Med Toxicol 2013.

Wax PM, Aks S, Kleinschmidt KC, Nelson LS. Medical Toxicology Fellowship Program Trends: 2001–2012. J Med Toxicol 2013.

Rivers CM, Nelson LS, Hoffman RS. Paradoxical Benefit of Drug Shortages: Decreased ICU Admission Rate for Alcohol Withdrawal. J Med Toxicol 2013.

[Abstracts prior to 2013 not listed]

CONFERENCE DIRECTOR (WITH LECTURE AS APPROPRIATE)

Seminar in Forensic Toxicology. American College of Medical Toxicology. A Look Forward at New Psychoactive Substances and a Look Back at Ethanol; ED Pitfalls: Legal Concerns in the Care of Inebriated Patients; Breakout session: Ethanol Case Analysis. Virtual. Dec 16-17, 2021.

AACEM/AAEM Virtual Annual Retreat. Association of Academic Chairs in Emergency Medicine. Virtual. March 25-26, 2021

Third American-Israeli Medical Toxicology Conference, Myths and Misinformation About Casual Dermal Exposure to Fentanyl. Haifa, Israel. Nov 19-21, 2019

Opioid Stewardship Workshop. New Jersey Hospital Association. Reducing the Risk of Opioid Harm. Small group: Harm Reduction Strategies. Princeton, NJ. June 17, 2019.

Seminar in Forensic Toxicology. Opioids, Toxicology, and the Law: Medical-Legal Aspects of the Opioid Epidemic. American College of Medical Toxicology. The Slippery Slope of Opioid Tolerance; Prescribing Opioids: Primary Therapy or the Last Resort? Dallas TX, Dec 13-14, 2018.

Advanced Pain Management in the Emergency Department. Massachusetts Medical Society and Massachusetts ACEP. Waltham, MA. June 8-9, 2018

Seminar in Forensic Toxicology: Opioids, Toxicology, and the Law: Medical-Legal Aspects of the Opioid Epidemic. American College of Medical Toxicology, the Fredric Rieders Family Foundation, and the Society of Forensic Toxicology. Philadelphia, PA. Dec 11-12, 2017.

Bench to Bedside: Neurologic and Metabolic Toxins. American College of Medical Toxicology Annual Scientific Meeting. Huntington Beach, CA. March 18-20, 2016.

The MRO & Beyond: Advanced Drug Testing Interpretation. American College of Medical Toxicology Annual Scientific Meeting Satellite Session. March 17, 2016.

Seminars in Forensic Toxicology. A Legal PotPourri. American College of Medical Toxicology and Society of Forensic Toxicologists. Denver CO. December 10-11, 2015.

Department of Homeland Security, Office of Health Affairs. Drugs of Abuse for Law Enforcement. December 9, 2015

Toxicoprevention. American College of Medical Toxicology Annual Scientific Meeting. Clearwater Beach, FL. March 27-29. *Professional Organizations and Your Medical Toxicology Career.* Fellows in Training Session. March 28, 2015.

Addiction Medicine Academy. American College of Medical Toxicology Annual Scientific Meeting Satellite Session. Clearwater Beach, FL. March 26, 2015.

Intensive Review Course in Clinical Toxicology. New York City Poison Control Center, Bellevue Hospital. Withdrawal Syndromes. March 12-13, 2015.

Advanced Concepts and Controversies in ED Pain Management. Society for Academic Emergency Medicine. Opioid Free ED: From Theory to Practical Application; Overcoming perceived hurdles in implementing advanced pain strategies; IV Acetaminophen for Acute Pain in the ED: Does the Benefit Justify its Cost? San Diego, CA. May 12, 2015.

Planning for a Safer Decade of ED Analgesia. Society for Academic Emergency Medicine Annual Meeting. Dallas, TX. May 13, 2014.

Intensive Review Course in Clinical Toxicology. New York City Poison Control Center, Bellevue Hospital. Withdrawal Syndromes. March 13-14, 2014

CSI Atlanta: Toxicology, Law Enforcement, and Crime Scene Investigation. ACMT Pre-Meeting Symposium at the North American Congress of Clinical Toxicology 2013. Atlanta, GA. American Academy of Clinical Toxicology. September 28, 2013.

Safe Opioid Prescribing. Hartford Hospital and American College of Medical Toxicology. Hartford, CT. June 1, 2013.

Chemical Agents of Opportunity for Terrorism: The Medical and Psychological Consequences of TICs (Toxic Industrial Chemicals) and TIMs (Toxic Industrial Materials). The Clinical Neurotoxicology of Chemical Terrorism. New York City. April 30, 2013.

The Changing Faces of Antidotes. American College of Medical Toxicology Annual Scientific Meeting. San Juan, Puerto Rico, March 15–17, 2013.

Alcohol Abuse Academy: Current Perspectives on Impairment, Dependence and Withdrawal. American College of Medical Toxicology Annual Scientific Meeting Satellite Session. San Juan, Puerto Rico, March 14, 2013.

Intensive Review Course in Clinical Toxicology. New York City Poison Control Center, Bellevue Hospital. Withdrawal Syndromes. February 28-March 1, 2013.

[Conference director prior to 2013 not listed]

COURSE/CONFERENCE FACULTY OF A NATIONAL OR INTERNATIONAL MEETING

Opioid Response Network/American Osteopathic Academy of Addiction Medicine. Hot Topics in Addiction Medicine. Trials and Tribulations of ED Initiation of Buprenorphine in the Age of Fentanyl. Virtual August 17, 2022 & Case Studies and Q&A - ED Initiation of Buprenorphine. Virtual August 24, 2022

National Academy of Medicine. Action Collaborative on Countering the US Opioid Epidemic. Telehealth and Virtual Care. Section III. Hybrid Pain and SUD Care Delivery Across Care Settings. Virtual. April 25, 2022.

American Society of Addiction Medicine. Precipitated Withdrawal 2.0: Outpatient Tips and Tricks (4/1); Naloxone: What You Need to Know (4/1); Focus on Phenobarbital: Applications for Alcohol and Sedative-Hypnotic Withdrawal (4/2); The Role of Opioid Metabolic Pathways (4/2); Facts About Fentanyl (4/3). Hollywood, FL. March 31-April 2, 2022.

American College of Medical Toxicology Annual Scientific Meeting. Microdosing and Macro dosing: Alternative Buprenorphine Initiation Strategies in Era of High-Potency Opioids and Fentanyl. Virtual. March 13, 2022.

American College of Emergency Physicians, Scientific Assembly Research Forum. State-of-the-Art I: The continuum from opioid deprescribing to managing opioid use disorder in the ED. Oct 25, 2021

Accreditation Council for Graduate Medical Education 2021 GME Stakeholders Congress on Preparing Residents and Fellows to Manage Pain and Addiction. Certifying Boards Assessment of Competence. March 30-31, 2021.

American Society of Addiction Medicine/AMNet. Use of the ASAM Guideline to Improve Care. Virtual. March 16, 2021.

New York Society of Addiction Medicine. Virtual Annual Meeting. The Toxicology Panel -Case Based Discussion of Hot Topics in Addiction/Toxicology. February 5-6, 2021

American College of Emergency Physicians. Initiation of Buprenorphine and Pain Management in the ED Implementation. Misunderstanding Involving Buprenorphine Clinical Pharmacology. Jan 15, 2021.

Partnership for Drug Free New Jersey, NJ CARES, and the Office of the Attorney General. Knock Out Opioid Abuse. Prescribing Opioids in the Time of Covid-19. Virtual. August 20, 2020

American Society of Addiction Medicine. The ASAM Alcohol Withdrawal Management Webinar Series. Fundamentals of Alcohol Withdrawal and Guideline Development. Virtual. July 29, 2020

American Society of Addiction Medicine, Board Review Course. Principles of Pharmacology and Toxicology. Virtual. June 29, 2020.

Project ECHO (SAMHSA). The Pandemic & Mental Health Covid-19: From the Front Lines. Mental Health Impact of COVID-19 on Emergency Medicine and Emergency Departments. Virtual. May 22, 2020.

Atlantic Medical Group Primary Care CME Symposium. Opioids 2020. Review of Opioid Prescribing Safety and Best Practices. March 7, 2020.

NES Health. Medical Director's Academy. Cannabis and Vaping: Not Your Parents Mary Jane; Management of Opioid Use Disorder in the ED and Beyond. Port St Lucie, FL. Nov 4, 2019.

American Society of Addiction Medicine, Board Review Course. Principles of Pharmacology and Toxicology. Dallas, TX. July 26, 2019.

Emergency Medicine Critical Care Conference. Newark Beth Israel Medical Center. Pulmonary Complications of Drug Use. Newark, NJ. May 29, 2019.

XXXIX International Congress of the European Association of Poisons Centres and Clinical Toxicologists. The Pharmacology and Toxicology of Synthetic Opioids. Naples, Italy, May 23, 2019.

The Center for Forensic Science Research and Education. Postmortem Interpretive Toxicology. Management of Poisonings/Overdoses in the E.D.; Death Investigator Interactions. Philadelphia, PA. April 24, 2019.

New York American College of Emergency Physicians. 2019 ED Director Forum. Operationalizing ED-Based Protocols for Opioid Addiction and Treatment. April 26, 2019

American Society of Addiction Medicine. The World of Weird Withdrawal; Cannabis Today: Not Your Parent's Pot; Severe Alcohol Withdrawal: Complexity and Controversy. Orlando, FL. April 5-7, 2019

Association of Academic Chairs in Emergency Medicine, Annual Conference. Faculty Development Session: The Role of Professional Organization and Certifying Bodies. San Juan, PR. March 12, 2019.

Partnership for a Drug Free New Jersey. Doctor Patient Alliance Annual Conference. Do No Harm: Consequences of Pain Management and Opioid Prescribing. Atlantic City, NJ. Feb 8, 2019.

New York Society of Addiction Medicine. 15th Annual Intersection of Science, Treatment and Policy Conference. Medical Toxicology Case Discussion on ED Management. New York, NY. Feb 2, 2019.

ACEP E-QUAL Opioid Management Learning Collaborative. Webinar: Improving Opioid Prescribing Through Pain Guidelines. <https://acep.org/administration/quality/equal/e-quality-opioid-initiative>

Global Health Security Initiative (GHSI) Chemical Events Work Group. Health Security Workshop on Mass Casualties from the Deliberate Release of Opioids. Myths and Misinformation About Casual Dermal Exposure to Fentanyl Among First Responders and Law Enforcement. Medical and Public Health Aspects of Medical Countermeasures for Opioid Threat. Boston, MA. Nov 6-7, 2018

ACMT Women in Toxicology Section: How to optimize your curriculum vitae. Chicago, IL. Oct 27, 2018

ACMT Fellows-in-Training RoundTable: The Role Of Medico-Legal Consulting In Your Medical Toxicology Career. Chicago, IL. Oct 28, 2018.

University of Pittsburgh School of Medicine, Safar Center for Resuscitation Research. The Newest Opium War. Insights into the Current Opioid Crisis. The Thirty-Eighth Peter and Eva Safar Annual Lectureship in Medical Sciences and Humanities. Pittsburgh, PA. May 31, 2018.

Society for Academic Emergency Medicine. Annual Meeting. Academic Health System Administration as an Avenue for Career Development: How to Forge a Pathway in Administration. Indianapolis, IN. May 16, 2018.

American Society of Addiction Medicine. 49th Annual Conference. Fentanyl and Analogs, Oh My: Their Impact on Patients and Public Health, San Diego, CA. April 12-15, 2018.

Duke University, Margolis Center for Health Policy. Strategies for Promoting the Safe Use and Appropriate Prescribing of Prescription Opioids Presentation. Panel: Establishing Guidelines and Defining Success for Safe and Appropriate Opioid Prescribing. Washington, DC. Feb 15, 2018.

The Poynter Institute. Covering the Opioid Crisis: A Workshop for Illinois Journalists. DePaul Univ, Chicago December 4-6, 2017.

Office of the State Medical Examiner, NJ Department of Health. The Opioid Crisis: A Medical Examiner And Public Health Perspective. Waking Up Dead: The Toxicology of Fatal Opioid Poisoning. Sayreville, NJ. July 10, 2017

Partnership for a Drug Free New New Jersey. Do No Harm: Keeping it Legal and Safe in the Medical Community. Understanding and Addressing the Public Health Epidemic of Opioid Abuse. Morristown, NJ. June 12, 2017.

Society for Academic Emergency Medicine. Annual Meeting. Ten Commandments of Acute Pain Management in the ED. Thou shalt choose and use opioids wisely. Thou shalt use alternative (to IV) routes of analgesic administration. May 16, 2017.

Association of Academic Chairs in Emergency Medicine/AAAEM Joint Retreat. The Opioid Epidemic: A Policy Perspective. Miami FL. March 20, 2017.

ANSER Conference, New Brunswick, New Jersey. Understanding the National Emergency Medicine Landscape. March 16, 2017.

2017 Behavior, Biology, and Chemistry: Translational Research in Addiction: The opioid epidemic: history, formulations, regulations, and emergencies. From opiophobia to abuse deterrent formulations: the making of an opioid epidemic. March 4, 2017

Poynter Institute's Covering the Opioid Crisis. Learning to Say "No": How Hospitals are Trying to Resist Prescribing Opioids. New York, NY. March 3, 2017

Hong Kong College of Emergency Medicine 20th Anniversary. Pitfalls in Opioid Prescribing: The American Experience. Also, Convocation of Inaugural Fellows in Clinical Toxicology. Hong Kong Society of Clinical Toxicology. Hong Kong, China. October 28-30, 2016.

North American Congress of Clinical Toxicology 2016. Premeeting: Are Abuse-Deterrent Opioids Formulations All They Are Crushed Up To Be? Sept 13, 2016; *Main Meeting: ABAT Symposium: Myth-Representations of Opioid Risks and Benefits*. Boston, MA. Sept 14, 2016

Postmortem Interpretive Toxicology. The Center for Forensic Science, Research, and Education, Reiders Foundation. [OB] Philadelphia, PA. Clinical Pearls and Forensic Pitfalls in the Management of Poisoned Patients. June 13, 2016.

RADARS System Scientific Meeting. Setting the Stage: Are Abuse-Deterrent Opioids Formulations Ready for Prime Time? Denver, CO. May 6, 2016

Mass Gathering Medicine Summit. Toxicology of Club Drugs. New York City. April 21-22, 2016

American Society of Addiction Medicine, Annual Scientific Meeting. Opioid, Benzodiazepine, and Cannabis Withdrawal Syndromes. Baltimore, MD. April 16, 2016.

SCOPE of Pain: Safe and Competent Opioid Prescribing Education. Regional Abilites panel. New York, NY. Sept 26, 2015

XXXIV International Congress. European Association of Poison Centres and Clinical Toxicologists. Malta. May 29, 2015. Naloxone public availability and use.

Society for Academic Emergency Medicine. Annual Meeting. Crossfire: Controversies in Toxicologic Emergency Medicine. May 15, 2015.

American College of Medical Toxicology. Annual Scientific Meeting. Clearwater, FL. Workshop moderator: Prescription Drug Monitoring Programs: Big Brother or Guiding Light? Discussant: Fellows in training Luncheon. March 28, 2015.

The Center for Forensic Science Research and Education. Postmortem Interpretive Toxicology. Philadelphia, PA. The Poisoned Patient: Diagnosis and Prognosis. January 28, 2015.

North American Congress of Clinical Toxicology 2014. New Orleans, LA. *Premeting: Careers in Medication Safety*. Oct 17; *Main Meeting: Hydrocodone and the FDA Update*. Oct 21, 2014

Academy of Insurance Medicine Annual Meeting. The Prescription Drug Abuse Epidemic: Identifying Risk Before and After Death. Philadelphia, PA. Sept 29, 2014.

5th Brazilian Congress of Clinical Toxicology, ABRACIT. Salvador, Bahia, Brazil. Management of Body Packer; Update on Cardiotoxic Overdoses; Stocking and Positioning of Critical Antidotes. Sept 10-12, 2014.

XXXIV International Congress. European Association of Poison Centres and Clinical Toxicologists. Brussels, Belgium. Pro/con debate: Gastric Lavage Should Be Abandoned. May 29, 2014.

Society for Academic Emergency Medicine. Annual Meeting. Dallas, TX. Medication Management: A Niche in Patient Safety for Emergency Physicians. May 15, 2014.

Society for Academic Emergency Medicine. Annual Meeting. Dallas TX. Opioid Prescribing from Our EDs: Where Do We Go from Here? May 16, 2014.

American College of Medical Toxicology. Annual Scientific Meeting. Phoenix, AZ. Panel Discussion. Medication Safety and Technology: Clarity or Complexity? March 28, 2014.

American College of Medical Toxicology. Satellite Symposium at Annual Scientific Meeting. Phoenix, AZ. Panel Discussion: Does It Really Cost An Arm And A Leg To Save An Arm And A Leg?" March 28, 2014.
Society of Toxicology, Annual Meeting and ToxExpo. Improving the Safety of Dietary Supplements and Natural Health Products by Assessing Effects in Humans. Phoenix, AZ. A Clinician's Perspective on Acute Adverse Event Knowledge. March 27, 2014.

[Course/Conference faculty prior to 2013 not listed]

OTHER INVITED LECTURES AND APPEARANCES

[Not part of a regional, national, or international meeting]

2022

Mayo Clinic. June 28. Grand Rounds. Alcohol Intoxication: When Are You Level Enough To Go Home. June 28.
University of Miami/Jackson Healthcare. Grand Rounds. ED Management of Alcohol Withdrawal. June 1.
Advent Health, Orlando Florida. Grand Rounds. EM Physician Workforce of the Future. May 26.
Mass General Brigham. Substance Use Steering Committee. Insights into the ASAM guideline: Q&A About Alcohol Withdrawal. Virtual. April 20.
University of Southern California/LA County Medical Center. Grand Rounds. EM Physician Workforce. April 7.
Englewood Hospital. Grand Rounds. Shaken not stirred: The Management of Hospitalized Patients with Alcohol Withdrawal. Virtual. March 17.
Dhulikhel Hospital, Nepal. Global Emergency Medicine. Management of Human Organic Phosphorus Poisoning. Virtual. March 25.
Rutgers School of Public Health, Public Health Webinar Series. The Opioid Crisis 2022: Focus on Fentanyl. Virtual. Jan 25

2021

University of Texas Southwestern Medical School Grand Rounds. EM Physician Workforce of the Future Panel Discussion. April 22.
PsychSIGN Region 3. The Trials and Tribulations of Medical Cannabis. Virtual. April 10
Opioid Response Network/Substance Abuse and Mental Health Services Administration. New York University School of Medicine. Opioids and Harm Reduction Efforts in the ED. Virtual. March 29.
Medical Society of New Jersey. Monoclonal Antibody Therapy: The NJ Experience with COVID-19. March 24
Columbia University College of Physicians and Surgeons. Addiction Psychiatry. Shaken, Not Stirred: Alcohol Withdrawal Management. Feb 11.
University of Utah School of Medicine. Grand Rounds. Insights into the Current Opioid Crisis: Fentanyl and Buprenorphine from 20K feet. Feb 10.

2020

Penn Medicine. Grand Rounds. Center for Addiction Medicine and Policy. Myths and Misunderstandings about Fentanyl Pharmacology. Dec 10.
Buprenorphine Waiver Training. (three successive courses). Several talks. New Jersey Department of Mental Health and Addiction Service and New Jersey Medical School. September 11, 15, 25.
Hennepin County Medical Center. Virtual Grand Rounds. Shaken not Stirred: The ED Management of Alcohol Withdrawal. Sept 17.
Project ECHO Webinar. Urine Drug Screening. Newark, NJ. Feb 18.
Rutgers Newark Honors College. What you need to know about the opioid epidemic. Feb 28.
New Jersey Medical School. Grand Rounds. Department of Internal Medicine. Management Options for Ethanol Withdrawal. March 3.

2019

NJMS Mini Med School for High School Students. Insights into the Current Opioid Epidemic. Nov 13.
Newark Beth Israel Medical Center. Pediatric Emergency Medicine lecture. Plant Poisoning. Nov 6.
Emergency Medicine Residents Association (EMRA). At Society for Academic Emergency Medicine Annual Meeting. Tox in TV. Denver CO. Oct 27.
Aventura Medical Center. Grand Rounds. Toxicology Testing in the ED: Dogma Vs Debate. Aventura FL. Oct 23
Project ECHO Webinar. Naloxone and Harm Reduction Efforts. Newark, NJ. Sept 20.
National Medical Services. Inadvertent Fentanyl Exposure? Cases and Questions. Philadelphia, PA. Aug 14.
Trinitas Regional Medical Center. Grand Rounds. Reefer Madness: Cannabis and Human Health. Elizabeth, NJ. July 25.
Kaweah Delta Health Care District (KDHCD). Grand Rounds. Addressing the Opioid Epidemic. Visalia, CA. May 30.
West Virginia University. Grand Rounds. The Pharmacology and Toxicology of Street Drugs. Morgantown, WV. April 25.
Rutgers University School of Dental Medicine. The Role of the Dentist in Addressing the Opioid Epidemic. April 22.
Buprenorphine DATA Waiver Training Course, New Jersey Medical School. Pharmacology of MAT; Urine Drug Testing Interpretation. April 19.
New Jersey Hospital Association Webinar. Initiation of Buprenorphine in the ED. March 25.
Opioid Response Network (STR-TA) Webinar/ACEP: The Next Steps: Opioid Use Disorder Care After the ED. Feb 20.
Stanford University. Palo Alto, CA. Grand Rounds. Department of Emergency Medicine. The Opioid Epidemic. Jan 16.

2018

Valley Hospital, Grand Rounds. Do No Harm: Strategies for Opioid Prescribing. Ridgewood, NJ. Oct 18.
Mount Sinai School of Medicine. Grand Rounds, Department of Pediatrics. Pediatric Opioid Epidemic. April 12.
Christiania Grand Rounds. Ethanol Withdrawal: Shaken Not Stirred. Newark, DE. March 29.
Rutgers New Jersey Medical School. Grand Rounds, Department of Neurology. Opioid Epidemic. Feb 28.
UCSF Oakland/Highland Hospital. Visiting Professor. Tough Toxic Cases. February 21.
Englewood Hospital and Medical Center. Opioid Epidemic. Englewood, NJ. Jan 11.

2017

Robert Wood Johnson Medical School. Grand Rounds, Internal Medicine. Longing for the Days of Reefer Madness: The Changing (and Scary) Landscape of Synthetic Drugs of Abuse. November 18.
University of Washington, Harborview Medical Center. Grand Rounds. Department of Emergency Medicine. The Three Faces of the Opioid Epidemic. June 15.
Newark Beth Israel Medical Center. Grand Rounds. Emergency Medicine. Anti-dont's: Pitfalls and Pearls in Poisoning Management. May 3.
NJTV Knock Out Opioid Abuse. Town Hall Meeting Series. Televised. April 4.
Combatting Opioids and the Addiction Crisis. Moderator. Emergency Physicians and the Opioid Epidemic. Drew University. April 3.
Jersey Matters, Town Hall. Panelist. Monmouth University. March 16.
Rutgers New Jersey Medical School. Terror Medicine Elective. Chemical Terrorism. March 2.
Kaiser Permanente, San Diego Medical Center. Grand Rounds. Department of Emergency Medicine. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Feb 23.

Rutgers New Jersey Medical School. 1st year core. A Toxic Tour of the Neuromuscular Junction, Feb 1.
Pharmacology and Toxicology of Street Drugs, Feb 2. Large group Simulation Session, Feb 2.
University of Alabama at Birmingham. Grand Rounds. Department of Emergency Medicine. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Jan 26

2016

Robert Wood Johnson Medical School, Rutgers. Grand Rounds. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Nov 9
New York City Office of the Chief Medical Examiner. Pediatric poisoning fatalities. Oct 6
NYU School of Dental Medicine. Pain “Killers” and Dentistry: A Review of Practices, Regulations and the Opioid Crisis. June 29
Drug Policy Alliance, New York City. Novel Psychoactive Substances. June 12
Cooper Hospital, Camden NJ. Internal Medicine & Emergency Medicine Joint Grand Rounds. Challenges in the Management of Alcohol Withdrawal. April 21.
Cornell University. Grand Rounds. Department of Psychiatry. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. March 30
Truman Medical Center, University of Missouri at Kansas City. Emergency Medicine Grand Rounds. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. March 17.
Texas A&M University. Emergency Medicine Grand Rounds. Scott & White Hospital, Temple Tx. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Jan 28

2015

New York University School of Medicine. Grand Rounds. Division of Pain Medicine. Controversies in Opioid Pharmacotherapy. November 23.
New York Hospital of Queens. Emergency Medicine/Critical Care Medicine Grand Rounds. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Oct 21
Hackensack University. EM Residency. Grand Rounds. New and Unique Drugs of Abuse. June 10.
University of New Mexico in Albuquerque, Patrick McKinney Memorial Lecture. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Feb 11.
New York University School of Medicine. Department of Pediatrics. Pediatric Case Conference. Cocaine Intoxication. January 30.

2014

Beth Israel Medical Center. Department of Emergency Medicine, Grand Rounds. AntiDont’s. December 3.
University of Calgary and the Alberta Poison and Drug Information Service. Not for Human Consumption: Incense, Bath Salts, and Synthetic “Marijuana”; Panel: Keep Calm and Ask a Toxicologist. Calgary, Canada. Nov 15.
New York State Department of Health. Commissioner’s Medical Grand Rounds. New York Academy of Medicine. Prescription Drug Abuse & Pain Management. October 23.
Brooklyn Hospital Center. Grand Rounds. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. October 15.
New York University School of Medicine. Grand Rounds. Division of Pain Medicine. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. October 10.
Columbia University College of Physicians and Surgeons. Grand Rounds. The Concomitant Epidemics of Nonmedical Use of Prescription Opioids and New Drugs of Abuse. Department of Pediatrics. Aug 8.
Columbia University College of Physicians and Surgeons. Grand Rounds. Department of Emergency Medicine. Antidont’s for Poisoning. Aug 6.

Wayne State University. Grand Rounds. Department of Emergency Medicine. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Antidont's for Poisoning. July 31

Johns Hopkins University. Department of Emergency Medicine. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. April 25.

McGill University Health Center, Montreal, Canada. Grand Rounds, Royal Victoria Hospital Academic Day. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids; Antidont's to Poisoning. April 9.

Columbia University/New York Botanical Garden. Graduate Program in Ecology and Economic Botany. Plant Poisoning. March 5.

University of Maryland, Baltimore, MD. Grand Rounds. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. Feb 12.

Christiana Medical Center, Wilmington, DE. Grand Rounds. Antidont's for Poisoning. January 30.

Emory University School of Medicine, Atlanta, GA. Department of Emergency Medicine, Grand Rounds. Antidont's for Poisoning. January 21.

2013

Beth Israel Medical Center. Department of Emergency Medicine, Grand Rounds. The Toxic Limb. December 18.

Princeton Medical Center. Department of Internal Medicine, Grand Rounds. The New Opium War: Insights into the Epidemic of Nonmedical Use of Prescription Opioids. December 17.

New York University School of Medicine. Department of Internal Medicine. Lunch Rounds. Antidont's to Poisoning. December 16. (encore)

New York University School of Medicine. Department of Internal Medicine. Lunch Rounds. Antidont's for Poisoning. August 30.

Columbia University School of Medicine. Division of Pediatric Emergency Medicine. Grand Rounds. New and Unique Drugs of Abuse. August 29.

Upstate Medical Center, SUNY Syracuse. Department of Emergency Medicine. Grand Rounds. The New Opium Wars: Opioid Analgesic Misuse. June 19.

Weill Cornell School of Medicine. Division of Cardiology, Department of Internal Medicine. Grand Rounds. Antidotal Approach to Cardiotoxic Overdoses. June 17.

New York University School of Medicine. Autonomic Pharmacology. January 11.

University of Medicine and Dentistry of New Jersey. Department of Internal Medicine. Grand Rounds. The New Opium Wars: Opioid Analgesic Misuse. January 2.

[Lectures prior to 2013 not listed]