

# Curriculum Vitae and Bibliography

## Adam Jeraldo Milam, MD, PhD

### Personal Information

Work Address: Mayo Clinic  
5777 East Mayo Boulevard  
Phoenix, AZ 85054

Email Address: Milam.Adam@mayo.edu

### Present Academic Rank and Position

<b>Faculty Associate</b> - CDC Center for the Prevention of Youth Violence/Maryland Safe and Supportive Schools Project, Johns Hopkins Bloomberg School Of Public Health	12/2012 - Present
<b>Medical Director</b> - Office of Health Equity and Inclusion, Mayo Clinic	2022 - Present
<b>Professor of Practice</b> - Department of Population Health, College of Health Solutions, Arizona State University	01/2022 - Present
<b>Faculty</b> - Diversity Science Program, Mayo Clinic Robert D. and Patricia E. Kern Center for the Science of Health Care Delivery, Mayo Clinic Enterprise	2023 - Present
<b>Associate Professor of Epidemiology</b> - Mayo Clinic College of Medicine and Science	03/01/2024 - Present
<b>Professor of Anesthesiology</b> - Mayo Clinic College of Medicine and Science	05/01/2024 - Present
<b>Consultant (Joint Appointment)</b> - Division of Epidemiology, Department of Quantitative Health Sciences, Mayo Clinic, Phoenix, Arizona	08/29/2024 - Present
<b>Consultant</b> - Division of Cardiovascular and Thoracic Anesthesiology, Department of Anesthesiology and Perioperative Medicine, Mayo Clinic, Phoenix, Arizona	08/30/2024 - Present

### Education

Krieger School of Arts and Sciences, Johns Hopkins University, Baltimore, Maryland - BA, Public Health Studies and History of Science, Medicine & Technology	2008
Department of Mental Health, Johns Hopkins Bloomberg School Of Public Health, Baltimore, Maryland - MHS, Mental Health; Certificate in Health Disparities & Health Inequities	2009
Department of Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland - PhD, Mental Health; Child Mental Health Services Training Program	2012
Wayne State University School of Medicine, Detroit, Michigan - MD	2012 - 2016
Department of Anesthesiology, Cedars-Sinai Medical Center, Los Angeles, California - Residency	2016 - 2019
Department of Anesthesiology, Cedars-Sinai Medical Center, Los Angeles, California - Chief Resident	2019 - 2020
Anesthesiology Institute, Cleveland Clinic Foundation, Cleveland, Ohio - Fellowship, Adult Cardiothoracic Anesthesiology	2020 - 2021

### Additional Education

Origins of Renal Physiology American Society of Nephrology, Bar Harbor, Maine	2012
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### Certification

#### Board Certifications

##### National Board of Echocardiography, Inc. (NBE)

Diplomate - Advanced Perioperative Transesophageal Echocardiography	2022 - Present
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**The American Board of Anesthesiology (ABA)**

Anesthesiology	2021 - Present
Adult Cardiac Anesthesiology	2025 - Present

**Other Certifications****Mayo Clinic Academy of Educational Excellence**

Fundamentals for Medical Educators	2022 - Present
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**Mayo Clinic Quality Academy**

Mayo Clinic Quality Fellow: Bronze Level Certification	2024
Mayo Clinic Quality Fellow: Silver Level Certification	2025

**Online non-credit course authorized by University of Michigan and Offered through Coursera**

Instructional Methods in Health Professions Education	2022
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**Licensure**

California	A154730 (Medical)	2018 - 2025
Ohio	35.139997 (Medical)	2020 - 2022
Arizona	62932 (Medical)	2021 - 2026

**Honors and Awards**

<b>Dean's List</b> - The Johns Hopkins University	2007
<b>Dean's List</b> - The Johns Hopkins University	2008
<b>Finalist, Barbara Jordan Health Policy Scholars Program</b> - The Johns Hopkins University, Baltimore, Maryland	2008
<b>Outstanding Senior Award</b> - The Johns Hopkins University, Baltimore, Maryland	2008
<b>Primm-Singleton Minority Travel Awards Program</b> - College on Problems of Drug Dependence	2009
<b>Training Fellowship at Johns Hopkins University</b> - National Institute of Mental Health, National Institutes of Health	2009 - 2011
<b>Minority Travel Award</b> - Society for Prevention Research	2010
<b>Paul V. Lemkau Scholarship Award</b> - Johns Hopkins Bloomberg School of Public Health	2012
<b>Early Career Prevention Network Travel Award</b> - Society for Prevention Research	2013
<b>Foundation Scholars Fund Recipient</b> - American Medical Association	2013
<b>Herbert W. Nickens Student Scholarship</b> - Association of American Medical Colleges	2014
<b>J. Ferguson MD Scholarship Fund</b> - Wayne State University School of Medicine	2014
<b>Junior Investigator Travel Award</b> - Research Society on Alcoholism	2014
<b>Minority Travel Scholarship</b> - Society for Prevention Research	2014
<b>Shivappa V. Hulbanni, MD Endowed Scholarship Fund</b> - Wayne State University School of Medicine	2014
<b>Travel Award for Early Career Investigators</b> - College on Problems of Drug Dependence	2014
<b>Arnold P. Gold Humanism Honor Society</b> - Wayne State University	2015
<b>David Satcher Clerkship</b> - University Hospitals, Case Western Reserve University	2015
<b>Excellence in Public Health Award</b> - Physician Professional Advisory Committee, U.S. Public Health Service	2015

<b>Mort Harris Endowed Scholarship</b> - Wayne State University	2015
<b>Nicholas K. P'Sachos and Mary T. P'Sachos Medical Student Scholarship</b> - Wayne State University School of Medicine	2015
<b>20 in Their Twenties Award</b> - Maryland Daily Record	2016
<b>Dean's Distinguished Leadership Award</b> - Wayne State University School of Medicine	2016
<b>Delta Omega Public Health Honor Society, Alpha Chapter</b> - The Johns Hopkins University	2016
<b>Distinction in Biomedical Research</b> - Wayne State University School of Medicine	2016
<b>Harris Award</b> - Wayne State University School of Medicine	2016
<b>Marjorie Edwards Prize for Scholarship &amp; Community Service</b> - Wayne State University School of Medicine	2016
<b>Foundation for Anesthesia Education and Research Scholar</b> - American Society of Anesthesiologists	2019
<b>Leo G. Rigler, M.D. Award</b> - Department of Anesthesiology, Cedars-Sinai Medical Center	2020
<b>Evelyn E. Henley Anesthesia Society Scholar</b> - Anesthesiology Section, National Medical Association	2021
<b>Hall of Fame</b> - Baltimore City College Alumni Association, Inc.	2021
<b>National Medical Association Travel Award</b> - National Institutes of Health	2021
<b>Community Champion Award</b> - Johns Hopkins Alumni Association	2022
<b>Anesthesiology Teacher of the Year</b> - Department of Anesthesiology and Perioperative Medicine, Mayo Clinic	06/2023
<b>Outstanding Emerging Educator Award</b> - Mayo Clinic	10/2023
<b>40 Under 40 Leaders in Health Award</b> - National Minority Quality Forum	05/2024
<b>Top Healthcare Professionals Under 40</b> - National Medical Association	08/2024
<b>Teacher of the Year</b> - Mayo Clinic Fellow's Association for Surgery and Surgical Subspecialties	2025

### Previous Professional Positions and Major Appointments

<b>Multifunctional Technician</b> - Emergency Department, The Union Memorial Hospital	2006
<b>Clinical Technician</b> - Emergency Department, The Johns Hopkins Medical Institutions	2006 - 2008
<b>Legislative Intern</b> - Maryland General Assembly, State of Maryland	2007 - 2011
<b>Research Assistant</b> - Pacific Institute for Research and Evaluation	2007
<b>Senior Research Assistant/Quality Assurance Supervisor</b> - Drug Investigations, Violence, and Environmental Studies Lab, Johns Hopkins University Bloomberg School of Public Health	09/2007 - 12/2011
<b>Multifunctional Technician</b> - Emergency Department, The Union Memorial Hospital	2007 - 2008
<b>Research Assistant</b> - School of Public Health, Morgan State University	2007 - 2008
<b>Epidemiologist</b> - Baltimore City Health Department	2011 - 2012
<b>Research Data Analyst</b> - CDC Center for the Prevention of Youth Violence/Maryland Safe and Supportive Schools Project, Johns Hopkins Bloomberg School Of Public Health	12/2011 - 12/2012
<b>Research Specialist</b> - Division of Public Health, College of Human Medicine, Michigan State University	2016 - 2021

<b>Assistant Professor</b> - College of Human Medicine, Michigan State University	2020 - 2021
<b>Senior Associate Consultant</b> - Division of Cardiovascular and Thoracic Anesthesiology, Department of Anesthesiology and Perioperative Medicine, Mayo Clinic, Phoenix, Arizona	08/30/2021 - 08/29/2024
<b>Associate Professor of Anesthesiology</b> - Mayo Clinic College of Medicine and Science	03/01/2022 - 04/30/2024
<b>Senior Associate Consultant (Joint Appointment)</b> - Division of Epidemiology, Department of Quantitative Health Sciences, Mayo Clinic, Phoenix, Arizona	03/29/2023 - 08/28/2024

## Service

### Community Memberships and Services

Cedars-Sinai Medical Center HealthCare for the Homeless Medical Director	2020
City of Baltimore City Health Department Food Policy Taskforce Member	2009
Foundation for Second Chances Annual Health Fair Committee Member	2018 - 2019
Mbarara University of Science and Technology Volunteer	2019
Ohana One International Surgical Aid and Education Volunteer	2019
People's Community Health Clinic Volunteer HIV Testing and Counseling Volunteer	2008 - 2009 2008 - 2009
State of Maryland Department of Health and Mental Hygiene Maryland Health Quality and Cost Council Wellness and Prevention Workgroup Representative Substance Abuse Date Workgroup Member	2009 2010

### Professional Memberships and Societies

#### Professional Memberships and Services

American Academy of Emergency Medicine Student Member	2012 - 2015
American Association of Geographers Student Member	2009 - 2011
American Association of Physician Leadership Member	2023 - Present
American College of Chest Physicians Member	2021 - 2024
American College of Physicians Student Member	2012 - 2015

American Heart Association	
Member	2022 - Present
Fellow	2024 - Present
Council on Cardiovascular Surgery and Anesthesia	
Award Reviewer	2024
CVSA Leadership Committee	
Member	07/2023 - 06/2025
Early Career Committee	
Member	07/2022 - 06/2024
Scientific Sessions	
Early Career Investigator Session	
Judge	11/2024
Emergency Cardiovascular Care Committee	
Member	07/2023 - 06/2025
American Medical Association	
Student Member	2014 - 2023
Member	03/2023 - Present
American Public Health Association	
Alcohol, Tobacco, and Other Drugs Section	
Abstract Reviewer	03/2016
American Society of Anesthesiologists	
Student Member	2014 - 2016
Member	2016 - Present
Anesthesiology Special Interest Group	
Panelist	04/2023
Committee on Cardiovascular and Thoracic Anesthesia	
Adjunct Member	2020 - Present
Committee on Professional Diversity	
Adjunct Member	2021 - Present
Second Virtual Doctors Back to School Program	
Member	2022 - Present
Diversity Mentorship Grant	
Abstract Reviewer	2022
Education Subcommittee Meeting for Cardiac Anesthesia	
Member	09/2023 - Present
Foundation for Anesthesia Education and Research (FAER)	
Medical Student Anesthesia Research Fellowship	
Reviewer	02/2022
American Society of Anesthesiology (ASA)	
Western Anesthesia Residents' Conference	
2023 Planning Committee	
Member	2023
American Society of Echocardiography	
Member	2022 - Present
Fellow	10/2022 - Present
American Society of Nephrology	
Student Member	2012 - 2015
Association of University Anesthesiologists	
Member	07/2022 - Present

Baltimore City College Alumni Association, Inc. Board Member	2010 - 2012
California Society of Anesthesiologists Delegate	2018 - 2019
Board Member	2019 - 2020
In-Training Practice Forum Director	2019 - 2020
Resident Research Day Abstract Reviewer	06/2020
College on Problems of Drug Dependence Student Member	2009 - 2012
Member In-Training	2012 - 2014
Associate Member	2014 - 2016
Regular Member	2016 - Present
Member-in-Training Committee Member	2014 - 2015
Evelyn E. Henley Anesthesia Society Charter Member	2021 - Present
Foundation for Anesthesia Education and Research Abstract Reviewer	2022
International Anesthesia Research Society Member	2022 - Present
International Panel on Social Progress Workgroup on Human Security: Health and Wellbeing Member	09/2024
International Society for Urban Health Member	2016 - Present
National Hispanic Medical Association Member	2022 - Present
National Medical Association Member	2020 - Present
Anesthesia Section Treasurer	2023 - Present
Annual Meeting, Anesthesiology Section Planning Committee Member	2021
Member	2022
Member	2023
Council on Medical Legislation Anesthesiology Section Member	2020 - Present
Research Society on Alcoholism Student Member	2010 - 2014
Society for Prevention Research Student Member	2010 - 2012
Member	2012 - Present
Abstract Reviewer	12/2017
Abstract Reviewer	12/2018

Society for the Advancement of Transplant Anesthesia Member	2021 - Present
Society of Cardiovascular Anesthesiologists Member	2018 - Present
Conference Abstract Reviewer	2022
Conference Poster Moderator	2022
Conference Abstract Reviewer	2023
DEI Scholar Applications Reviewer	01/2025 - Present
Diversity, Equity, and Inclusion Committee Member	2021 - Present
DEI Scholar Application Reviewer	03/2024
Junior Resident Scholarship Program Reviewer	2024
Resident and Fellow Complex Cases Reviewer	12/2023
Society of Thoracic Surgeons Associate Member	2023 - Present
Student National Medical Association Member	2012 - Present
Abstract Reviewer	2020
Abstract Reviewer	2021
Abstract Reviewer	2022
American Medical Education Conference Global Health Fellowship Poster Presentation Judge	04/2022
Annual Medical Education Conference Judge	04/2020
Judge	04/2021
Judge	04/2022
Board of Directors Mentorship Program Longitudinal Membership Program Member	2022 - 2023
United Community Access Media, Inc. Board Member	2009 - 2010
Western Anesthesia Residents' Conference Abstract Reviewer	2022

### Study Sections

Consortium for the Holistic Assessment of Risk in Transplant (CHART) Mayo Clinic Site Lead	2023 - Present
Heart Innovation Learning Collaborative Member	2024 - Present

### Journal Responsibilities

#### Journal Editorial Responsibilities

Anesthesia & Analgesia Section Editor
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Executive Editor	
Editorial Fellowship	
Reviewer	10/2024 - Present
Journal of Community Psychology	
Editorial Board Member	2019 - 2024
Prevention Science	
Editorial Board Member	2020 - 2024
Sustainability	
Editorial Board Member	2020 - 2024

### **Journal Other Responsibilities**

Addictive Behaviors	
Ad Hoc Reviewer	
AIDS and Behavior	
Ad Hoc Reviewer	
Alcoholism: Clinical and Experimental Research	
Reviewer	
American Journal of Epidemiology	
Reviewer	
American Journal of Managed Care	
Reviewer	
American Journal of Preventive Medicine	
Ad Hoc Reviewer	
American Journal of Public Health	
Ad Hoc Reviewer	
Analyses of Social Issues and Public Policy	
Ad Hoc Reviewer	
Anesthesia & Analgesia	
Reviewer	
Anesthesiology	
Ad Hoc Reviewer	
BMC Medical Genetics	
Ad Hoc Reviewer	
BMC Public Health	
Ad Hoc Reviewer	
Cities	
Ad Hoc Reviewer	
Criminology	
Reviewer	
Drug and Alcohol Dependence	
Ad Hoc Reviewer	
Epidemiology and Infection	
Ad Hoc Reviewer	
Geriatrics and Gerontology International	
Ad Hoc Reviewer	
Health and Place	
Ad Hoc Reviewer	
Health Equity	
Ad Hoc Reviewer	



Health Services Research Journal  
Ad Hoc Reviewer

Injury Prevention  
Ad Hoc Reviewer

International Journal of Drug Policy  
Ad Hoc Reviewer

JACC: Heart Failure  
Ad Hoc Reviewer

Journal of Addiction Medicine  
Ad Hoc Reviewer

Journal of Cardiothoracic and Vascular Anesthesia  
Ad Hoc Reviewer  
Guest Reviewer

Journal of Community Psychology  
Ad Hoc Reviewer

Journal of Early Adolescence  
Ad Hoc Reviewer

Journal of Epidemiology and Community Health  
Ad Hoc Reviewer

Journal of Ethnicity in Substance Abuse  
Ad Hoc Reviewer

Journal of Health Care for the Poor and Underserved  
Ad Hoc Reviewer

Journal of Intensive Care Medicine  
Ad Hoc Reviewer

Mayo Clinic Proceedings  
Ad Hoc Reviewer

Pediatric Investigation  
Ad Hoc Reviewer

PLOS ONE  
Ad Hoc Reviewer

Prevention Science  
Ad Hoc Reviewer

Preventive Medicine Reports  
Ad Hoc Reviewer

Progress in Community Health Partnerships  
Ad Hoc Reviewer

Sociological Inquiry  
Ad Hoc Reviewer

Substance Abuse Treatment, Prevention, and Policy  
Ad Hoc Reviewer

Substance Use and Misuse  
Ad Hoc Reviewer

Sustainability  
Ad Hoc Reviewer

The American Journal of Drug and Alcohol Abuse  
Ad Hoc Reviewer

The Lancet Regional Health - Europe  
Ad Hoc Reviewer

Tobacco Use Insights  
Ad Hoc Reviewer  
Violence and Gender  
Ad Hoc Reviewer

## Education Interests and Accomplishments

### Teaching

TA: Alcohol Problems: Epidemiology, Prevention, and Treatment Johns Hopkins Bloomberg School of Public Health Baltimore, Maryland	01/2010 - 03/2010
TA: Seminars on Health and Wellbeing in Baltimore Johns Hopkins Bloomberg School of Public Health Baltimore, Maryland	01/2010 - 05/2010
Neighborhood Violence and Adolescent Outcomes Adolescent Medicine Grand Rounds Johns Hopkins Hospital Baltimore, Maryland	08/2011
TA: Perspectives of Psychiatry Johns Hopkins Bloomberg School of Public Health Baltimore, Maryland	09/2011 - 10/2011
Simulation Laboratory Instruction This simulation for residents and medical students was designed to assess management of opioid overdose among an inpatient hospital population. This course also presented the concept of multimodal analgesia and resources for management of pain in chronic pain patients. Cedars-Sinai Medical Center	06/2018 - 09/2018
Simulation Laboratory Instruction This simulation for residents and medical students was designed to assess airway management including use of oral and nasal airways, laryngeal mask airway, and direct laryngoscopy. Cedars-Sinai Medical Center	06/2018 - 06/2020
Opioid Medication Safety Graduate Medical Education New House Staff Orientation Cedars-Sinai Medical Center	07/2018
Intraoperative and Postoperative Management of Orthotopic Lung Transplantation Grand Rounds Department of Anesthesiology, Cedars-Sinai Medical Center	07/2018
Facilitator Baltimore City College Science, Technology, Engineering, and Mathematics (STEM) Speaker Series	2019 - Present
Department of Anesthesiology and Perioperative Medicine Journal Club Facilitator Mayo Clinic Arizona	2021 - Present
Racism in Medicine Department of Anesthesiology and Perioperative Medicine Grand Rounds Mayo Clinic Arizona	11/2021
Journal Club Anesthesiology Residents Mayo Clinic Phoenix, Arizona	01/2022 - Present
Simulation Laboratory Instruction This simulation for residents was designed to assess anesthetic management of a patient in acute decompensated heart failure. Mayo Clinic Arizona	01/2022

Medical Student Anesthesia Research Fellowship (MSARF) Summer Program Mentor Mayo Clinic Arizona	05/2022 - Present
Perioperative Health Care Disparities Department of Anesthesiology and Perioperative Medicine Mayo Clinic Florida Jacksonville, Florida	07/2022
Clinical Cardiac & Pulmonary Physiology Department of Anesthesiology and Perioperative Medicine Resident Lecture Mayo Clinic Phoenix, Arizona	07/2022
Untapped Avenues: Exploring Opportunities for Meaningful Community Engagement to Advance Health Equity Kern Center Grand Rounds, Community Edition	07/2022
Diversity, Equity, and Inclusion in the Medical Workforce Department of Anesthesiology Resident Lecture Mayo Clinic Arizona	08/2022
Greater Good Documentary Moderator Department of Anesthesiology Grand Rounds	08/2022
Greater Good Documentary Discussion (Facilitator) Internal Medicine Grand Rounds Mayo Clinic Arizona Scottsdale, Arizona	10/2022
Greater Good Documentary Facilitator - Workforce Development Mayo Clinic Phoenix, Arizona	11/2022
Statistical Principles for Anesthesiologists Department of Anesthesiology and Perioperative Medicine Grand Rounds Mayo Clinic Phoenix, Arizona	11/2022
Radiology Equity, Inclusion, and Diversity Lecture Series; Social Determinants of Health, Health Care Disparities, and Health Inequities: The Role of Physicians Department of Radiology Mayo Clinic Arizona Phoenix, Arizona	01/2023
Social Determinants of Health, Health Disparities, and Health Inequities: The Role of Family Department of Family Medicine Mayo Clinic Arizona Scottsdale, Arizona	02/2023
Perioperative Health Disparities Department of Surgery Mayo Clinic Arizona Phoenix, Arizona	02/2023
Social Determinants of Health, Health Care Disparities, and Health Inequities: The Role of All Health Care Providers Department of Physical Medicine and Rehabilitation Mayo Clinic Arizona Phoenix, Arizona	03/2023
Perioperative Health Care Disparities Resident DEI Lecture Mayo Clinic Department of Anesthesiology and Perioperative Medicine Phoenix, Arizona	03/2023

The Mayo Clinic EID Ecosystem - Interconnectedness, Scope, and Impact: The Role of the Clinical Practice in Advancing Health Equity at Mayo Clinic Equity, Inclusion, and Diversity Grand Rounds Mayo Clinic Phoenix, Arizona	06/2023
My Journey in Medicine and Health Care Disparities Mayo Clinic CARES Mayo Clinic College of Medicine, Office for Education Diversity, Equity, and Inclusion Phoenix, Arizona	06/2023
Clinical Cardiac & Pulmonary Physiology Department of Anesthesiology and Perioperative Medicine Resident Lecture Mayo Clinic Phoenix, Arizona	07/2023
Perioperative Health Care Disparities Department of Anesthesiology and Perioperative Medicine Resident Lecture Mayo Clinic Rochester Rochester, Minnesota	08/2023
Research Grand Rounds Department of Anesthesiology and Perioperative Medicine Resident Lecture Mayo Clinic Arizona Phoenix, Arizona	09/2023
Social Determinants of Health, Health Care Disparities, and Health Inequities among Patients with Cardiovascular Disease: The Role of Cardiologists and Cardiac Surgeons Department of Cardiovascular Medicine – Grand Rounds Mayo Clinic Phoenix, Arizona	09/2023
Health Equity Discussion – St. Clair Health Mayo Clinic Health Care Network	10/2023
Advancing Health Equity Mayo Clinic HBCU Student Career Club (Virtual)	10/2023
Statistics for Perioperative Medicine Presented to the Anesthesiology Residency Program Mayo Clinic Arizona	10/2023
The Journey to Health Equity at Mayo Clinic Health Systems Science - Pre-Clerkship Course Mayo Clinic Alix School of Medicine	11/2023
Importance of Diversity in Education from a Physician's Point of View Mayo Clinic School of Professional Development	12/2023
Anesthesia for Heart Transplant Department of Anesthesiology and Perioperative Medicine Resident Lecture Mayo Clinic Arizona	01/2024
Approaches to Perioperative Pain Management Surgery Residency Program, Department of Surgery Mayo Clinic Phoenix, Arizona	05/2024
Health Equity Simulation: Practicing with Limited Resources Co-Facilitator Mayo Clinic Arizona Anesthesiology Residency Program	06/2024
Cardiac & Pulmonary Physiology Department of Anesthesiology and Perioperative Medicine, Residency Program Mayo Clinic Phoenix, Arizona	07/2024

Perioperative HealthCare Disparities: The Role of Anesthesiologists Department of Anesthesiology and Perioperative Medicine, Residency Program Mayo Clinic Phoenix, Arizona	08/2024
Social Determinants of Health, Health Care Disparities, and Health Inequities: The Role of the Medical Workforce Department of Medicine Grand Rounds Mayo Clinic Florida Jacksonville, Florida	09/2024
Fostering Community Engagement Across the Healthcare Spectrum; Belonging Matters Mayo Clinic Arizona Phoenix, Arizona	10/2024
The Journey to Health Equity at Mayo Clinic Health Systems Science Pre-Clerkship Course Mayo Clinic Alix School of Medicine Phoenix, Arizona	11/2024
Perioperative Health Disparities: The Role of Anesthesiologists Department of Anesthesiology and Perioperative Medicine Grand Rounds Mayo Clinic Arizona	02/2025

### Academy of Educational Excellence

Excellence in Teaching at the Associate level on this date September 2022

### Mentorship

Williams PhD, Stacey <b>Description:</b> <b>Current Status:</b> Completed PhD at Johns Hopkins Bloomberg School of Public Health, March 2017 <b>Outcome:</b> Multiple publications and presentations	01/2013 - 06/2020
Nesoff PhD, Elizabeth <b>Description:</b> <b>Current Status:</b> Instructor of Epidemiology at University of Pennsylvania. Completed PhD at Johns Hopkins Bloomberg School of Public Health, 2017 <b>Outcome:</b> Multiple publications and presentations	02/2015 - Present
Thompson MD, Jordan <b>Description:</b> <b>Current Status:</b> Anesthesiology Resident at Montefiore Medical (PGY1); graduated medical school University of Florida Gainesville 2020 <b>Outcome:</b>	06/2018 - Present
Nwosu, Okechukwu <b>Description:</b> Working on research study with me (Implicit bias) <b>Current Status:</b> Anesthesiology Resident at University of Texas - Houston <b>Outcome:</b>	03/2019 - Present
Tolbert, Karl <b>Description:</b> Shadowed with me in Los Angeles <b>Current Status:</b> Medical Student, Lincoln Memorial University <b>Outcome:</b>	04/2019 - Present
Houston MD, Bobby <b>Description:</b> <b>Current Status:</b> Anesthesiology Resident at University of Florida (PGY1), Gainesville <b>Outcome:</b> Graduated medical school Ross University 2020. ASA scientific abstract	06/2019 - Present

Agboluje MD, Damila <b>Description:</b> <b>Current Status:</b> King's College of London <b>Outcome:</b>	02/2020 - Present
Eko, Muambo <b>Description:</b> <b>Current Status:</b> Student, King's College of London <b>Outcome:</b>	02/2020 - 05/2023
Tavarez-Mora, Frank <b>Description:</b> <b>Current Status:</b> MS3 at Frank H. Netter MD School of Medicine at Quinnipiac University, Hamden, Connecticut <b>Outcome:</b> Abstract accepted at SCA	08/2021 - Present
Herrera-Quiroz, Demian <b>Description:</b> <b>Current Status:</b> Medical Student, Mayo Clinic College of Medicine <b>Outcome:</b> 1 publication	10/2021 - Present
Patel, Shyam <b>Description:</b> Gave Mayo Clinic presentation during his summer fellowship (Foundation for Anesthesia Education and Research, MSARF Summer Program) <b>Current Status:</b> MS3 at Mayo Clinic <b>Outcome:</b> 1 publication; abstract to RISE conference	12/2021 - 05/2024
Clarke, Amelia <b>Description:</b> ASA Mentoring Grant Program, Racial Disparities in Cardiothoracic Surgery Candidacy: Utilization of Society of Thoracic Surgery Risk Score in Pre-Anesthesia Clinical Evaluation (Grant mentor) <b>Current Status:</b> MS4 Case Western Reserve University School of Medicine <b>Outcome:</b> Awarded ASA Mentoring Grant, <a href="https://www.asahq.org/about-asa/asa-awards-and-programs/asa-mentoring-program">https://www.asahq.org/about-asa/asa-awards-and-programs/asa-mentoring-program</a> : Racial Disparities in Cardiothoracic Surgery Candidacy: Utilization of Society of Thoracic Surgery Risk Score in Pre-Anesthesia Clinical Evaluation. 1 publication, 2 presentations.	01/2022 - 05/2023
Vandenberg, Megan <b>Description:</b> <b>Current Status:</b> MS3, Medical College of Wisconsin <b>Outcome:</b>	06/2022 - 05/2023
Caskey MD, Bryson <b>Description:</b> <b>Current Status:</b> PGY2, Mayo Clinic <b>Outcome:</b> Abstract accepted at American Society of Anesthesiologists Annual Meeting	08/2022 - Present
Delafield MD, Nathan <b>Description:</b> <b>Current Status:</b> Senior Associate Consultant, Community Internal Medicine, MCA <b>Outcome:</b> CHAMP Grant	09/2022 - Present
Bonner DPM, PhD, Timethia <b>Description:</b> <b>Current Status:</b> Research Associate, Center for the Science of Health Care Delivery, Rochester, MN <b>Outcome:</b>	10/2022 - Present
Burton MD, Brittany <b>Description:</b> <b>Current Status:</b> Clinical Fellow, OB Anesthesiology, UCLA <b>Outcome:</b> 4 publications	10/2022 - Present

Pombo MD, Nicholas <b>Description:</b> <b>Current Status:</b> Transitional Year Resident, Mayo Clinic Arizona <b>Outcome:</b>	11/2022 - Present
Eromosele, Omeko <b>Description:</b> <b>Current Status:</b> MS4, Ross University School of Medicine <b>Outcome:</b>	02/2023 - Present
Noss, Bryant <b>Description:</b> <b>Current Status:</b> 4th year medical student at Creighton University <b>Outcome:</b> 1 manuscript; 1 presentation	02/2023 - Present
Hardeman, Myles <b>Description:</b> <b>Current Status:</b> Medical Student, Wayne State University School of Medicine <b>Outcome:</b> Evelyn Henley Scholar; Anesthesiology Section; National Medical Association; 2023. 1 publication	03/2023 - Present
Islam MD, Zulqar <b>Description:</b> <b>Current Status:</b> Anesthesiology Resident, Medical College of Georgia at Augusta University, Augusta, GA <b>Outcome:</b>	03/2023 - Present
Azoba, Chuma <b>Description:</b> <b>Current Status:</b> PGY1, Ascension St. John <b>Outcome:</b> Publication under review	04/2023 - Present
Clarke, Amelia <b>Description:</b> <b>Current Status:</b> Anesthesiology Residency at UCSD <b>Outcome:</b>	06/2023 - Present
Eko, Muambo <b>Description:</b> <b>Current Status:</b> Internal Medicine Residency at a program in New York <b>Outcome:</b>	06/2023 - Present
Vandenberg, Megan <b>Description:</b> <b>Current Status:</b> Anesthesia Residency, Medical College of Wisconsin <b>Outcome:</b> 1 publication, 2 presentations	06/2023 - Present
Asebiode MD, David <b>Description:</b> <b>Current Status:</b> PGY1, Anesthesiology, University of Washington, Seattle, WA <b>Outcome:</b>	09/2023 - Present
Elsarrag, Nader <b>Description:</b> <b>Current Status:</b> College Senior, University of Virginia. Applying to medical school. <b>Outcome:</b>	09/2023 - Present
Debeau MD, Michael <b>Description:</b> <b>Current Status:</b> PGY1, Preliminary Surgery, Detroit Medical Center, Detroit, MI <b>Outcome:</b>	09/2023 - 06/2024
Osezele, Oboh <b>Description:</b> <b>Current Status:</b> 4th year medical student, St. George's University School of Medicine, Grenada, West Indies <b>Outcome:</b> 1 manuscript	11/2023 - Present

Aloziem, Okey <b>Description:</b> <b>Current Status:</b> MS4, University of Pittsburgh School of Medicine <b>Outcome:</b>	05/2024 - Present
Fatunde MD, Bade <b>Description:</b> <b>Current Status:</b> Electrophysiology Fellow, Mayo Clinic <b>Outcome:</b>	05/2024 - Present
Ezeala, Chinanuekpere (Phil) Emma <b>Description:</b> <b>Current Status:</b> 2nd year medical student, UT Southwestern <b>Outcome:</b>	08/2024 - Present

### Academic Career Development

Leadership in Healthcare Improvement Program Cedars Sinai Medical Center	2018
National Medical Association Academic Career Development Workshop National Institutes of Health	2021
Ask/Tell/Ask Educator Development Workshop Cleveland Clinic Foundation	04/2021
Health Disparities Research Institute Scholar Virtual U.S. Department of Health & Human Services, National Institutes of Health, National Institute on Minority Health and Health Disparities	2021
I-DARE Curriculum Foundations: Exploration of Bias and Its Impact on Teaching and Learning Virtual Mayo Clinic College of Medicine and Science	11/2021
I-DARE Curriculum Foundations: Exploration of Bias and Its Impact on Teaching and Learning Mayo Clinic College of Medicine and Science	02/2022
Apply to the Academy of Educational Excellence Take 5	03/2022
Cooking up Effective Feedback Take 5	03/2022
Creating Effective Written Evaluations Take 5	03/2022
Engage Your Learners Using Poll Everywhere Take 5	03/2022
One Minute Preceptor Take 5	03/2022
Reducing Unconscious Bias: Writing Letters of Recommendation Take 5	03/2022
Teaching High-Value Care Take 5	03/2022
Teaching the Clinical Exam Take 5	03/2022
Teaching, Self-Directed Learning, and Reflection Take 5	03/2022
Telling the Patient's Story Take 5	03/2022
Tips for Creating the Optimal Learning Environment Take 5	03/2022



See Something, Say Something Take 5	03/2022
Building Trust and Autonomy Take 5	04/2022
Cultivating Learner Autonomy: Get in the Zone Take 5	04/2022
How to Write Letters of Recommendation Take 5	04/2022
Microaggressions in the Learning Environment Take 5	04/2022
Professionalism Pivot for NURSES Take 5	04/2022
Professionalism Pivot for TRAINEES Take 5	04/2022
Providing Meaningful Written Feedback Take 5	04/2022
Strategies for Supporting Learners Seeking Help Take 5	04/2022
Strategies to Support Learner Well-Being Take 5	04/2022
Teaching High-Value Care Take 5	04/2022
Telling the Patient's Story Take 5	04/2022
Unconscious Bias Upstander Training in Medical Education Mayo Clinic School of Graduate Medical Education	04/2022
Upstander Training in Medical Education Mayo Clinic School of Graduate Medical Education	04/2022
Improving Mentorship Experiences Take 5	04/2022
HELP-Healing the Emotional Live of Peers Take 5	07/2022
What's in a Name? Take 5	08/2022
Virtual Visit Teaching Encounters: Strategies for Success Take 5	01/2023
Promoting a Learning Goal Orientation Take 5	12/2023
Learning to Disagree: Navigating Differences Together Take 5	02/2024
Diversity Matters Inclusive Instructional Content in the Learning Environment Take 5	03/2024
See Something, Say Something: Title IX Considerations in Medical Education Take 5	04/2024
Apply to the Academy of Educational Excellence Take 5	05/2024
Cultivating Learner Autonomy: Get in the Zone Take 5	07/2024
Debriefing for Meaningful Learning Take 5	11/2024

## Educational Activities

### Diversity, Equity, Inclusion

I have a long history of advocating for equitable and quality care for underserved populations. This included volunteering with non-profit organizations, working with the Baltimore City Health Department, and interning with a state legislator – all with the common goal of improving access to quality care. In each of these roles, [I engaged with stakeholders, presenting them with available data, taking time to listen and understand their concerns](#), and collectively identifying solutions and strategies to address inequities in medical care. I am also a member of both the National Hispanic Medical Association and the National Medical Association (NMA), both organizations represent over 50,000 minority physicians and are leading voices *for parity and justice in medicine and the elimination of disparities in health*. I was fortunate to be appointed to the Council on Medical Legislation for NMA, and in this role I review and provide input on legislation that impacts underserved populations. I also serve on the diversity, equity, and inclusion committees for my national societies – the American Society and Anesthesiologists and the Society for Cardiovascular Anesthesiologists. An [editorial I wrote](#), in part, led to the formation of the DEI committee for the Society for Cardiovascular Anesthesiologists. Since joining Mayo Clinic, I have also had the opportunity to work with organizational leaders to improve diversity among consultants (Belonging Matters Series at Mayo Clinic), served as a speaker for our department's *Racism in Medicine* grand rounds, and given lectures across departments, and at several institutions discussing perioperative health disparities and strategies that systems can implement to reduce disparities in service of advocating for patients who face barriers to seeking or receiving care. Additionally, I serve on my department's DEI committee, as the health equity physician lead for Mayo Clinic Arizona, and the Enterprise Medical Director for the Mayo Clinic Office of Health Equity and Inclusion (OHEI). OHEI works collaboratively to support and ensure Mayo Clinic's commitment to inclusivity and health equity to the 1 million patients we serve at 19 hospitals.

My commitment to DEI is also reflected in my research activities. During my public health doctoral studies, I obtained a Certificate in Health Disparities and Health Inequities; this certificate program *trained individuals to identify the underlying causes of health inequalities and how to develop and implement effective solutions*. My research over the last decade has broadly focused on identifying social determinants and structural drivers of health that contribute to health disparities and health inequities. For example, I published a seminal study in 2021 in the *American Journal of Public Health* that [identified a health data disparity in opioid-involved overdose deaths](#), such that African American and Hispanic persons were more likely than non-Hispanic White persons to have opioid-involved overdose deaths misclassified. Misclassified and missing data are likely to have a synergistic negative impact on the allocation of resources and preventive efforts and further health disparities. I have also published on barriers to diversifying the medical workforce, the impact of seminal race events on Black medical students' mental health, and compensation differences by race and ethnicity among anesthesiologists. Lastly, my commitment is demonstrated through mentoring students and trainees underrepresented in medicine at all stages which is discussed in other areas.

### Mentorship

In addition to formal mentorship of medical students, graduate students, and resident/fellows, Dr. Milam also participates in mentorship programs and efforts to improve diversity in science, technology, engineering, and mathematics (STEM), locally and nationally including the Plummer Scholars program at Mayo Clinic, Medical Specialty Seminars at Wayne State University School of Medicine, the Board of Directors Mentorship program for the Student National Medical Association (SNMA), and the American Society of Anesthesiologists Medical Student Anesthesia Research Fellowship. Additionally, he organizes a STEM speaker series at Baltimore City College and a virtual anesthesiology journal club. Dr. Milam also presents at many forums about the importance of mentorship, finding the right mentor, and becoming a physician-scientist including podcasts (ASA's Resident in Room Podcast, Black Doctors Podcast) and formal presentations (Association of University Anesthesiologists' Webinar, SNMA, Society of Cardiovascular Anesthesiologists, ASA Foundation for Anesthesia Education and Research [FAER], and the Pathways to Physician Diversity National Summit). As far as formal mentorship of learners and junior faculty, this has resulted in publications and grant awards. He has a goal for 60% of his publications to have a learner as a co-author (15 of his last 20 peer-reviewed publications include a learner); ideally the learner will see the project from idea to dissemination; this was accomplished with two ASA FAER students that rotated at Mayo Clinic: Megan Vandenberg (1st authored publication in *Anesthesia & Analgesia*) and Shyam Patel (1st authored publication under review) as well as another mentee, Amelia Clarke (1st authored editorial in *Anesthesia & Analgesia*; grant award from the ASA). Dr. Milam is beginning to peer-mentor and collaborate with junior faculty

which has also resulted in presentations, publications, and grant awards (Dr. Nathan Delafield, CHAMP Award [\$50,000] from Mayo Clinic).

Mayo Plummer Scholars: To prepare and empower pre-medical undergraduate students from backgrounds historically underrepresented in medicine and science for a career in medicine through a comprehensive summer program centered on exploration of medical specialties, capacity building, and MCAT test preparation.

## **Institutional/Departmental Administrative Responsibilities, Committee Memberships and Other Activities**

### **Mayo Clinic**

Department of Education Administration

Mayo Clinic College of Medicine and Science

Mayo Clinic School of Graduate Medical Education

2025 Health Care Disparities (HCD) Award

Reviewer

10/2024

Mayo Clinic

Belonging Matters: Trends and Best Practices to Support Black Physicians

Panelist

12/2022

Planning Committee

Member

12/2022

Mayo Clinic Quality Leadership Subcommittee

Member

05/2023 - Present

Midwest Commitment Against Racism

Grant Reviewer

2022 - 2024

Practice Health Equities & Inclusion

Chair

2023 - Present

William Worrall Mayo Scholars Program

Faculty

05/2023

Mayo Clinic Board of Governors

People and Culture Committee - Mayo Clinic

Equity, Inclusion and Diversity Oversight Committee - Mayo Clinic

Member

09/2022 - Present

Mayo Clinic Committees

Mayo Clinic Clinical Practice Committee

Mayo Clinic Complex Behavior Committee

Member

07/2023 - Present

Outpatient Practice Subcommittee

Member

05/2023 - Present

### **Mayo Clinic in Arizona**

Academic Excellence Day

Judge

02/2025

Department of Anesthesiology and Perioperative Medicine

Anesthesia Residency Program

Interviewer

2022

Performance Evaluation Committee

Member

2023 - Present

DEI Committee

Member

2022 - Present

Education Committee

Member

01/2024 - Present

Faculty Recruitment Committee	
Member	11/2023 - Present
Mayo Clinic Arizona Committees	
Executive Operations Team - Arizona	
Clinical Practice Committee - Arizona	
Member	2023 - Present
Personnel Committee	
Diversity Subcommittee	
Member	09/2022 - Present
Mayo Clinic Cancer Center	
Mayo Clinic Cancer Center - Arizona	
Executive Steering Committee	
Member	2023 - Present
Mayo Clinic College of Medicine and Science	
Office for Education Diversity, Equity & Inclusion (OEDEI)	
Undergraduate Plummer Plus Scholars Program	
Faculty	06/2023
Mayo Clinic Committees	
Discipline/Disease Oriented Groups (DOGs) - ARZ	
Anesthesia, Critical Care, Emergency Department, and Surgical Specialties	
Member	2023 - Present
<b>Activities at Other Institutions</b>	
Cedars-Sinai Medical Center	
COVID-19 Airway Response Team	
Member	2020
Department of Anesthesiology	
Junior Chief Resident	2018 - 2019
Diversity Committee	
Member	2019 - 2020
Graduate Medical Education Committee	
Member	2018 - 2020
House Staff Executive Committee	
Member	2017 - 2020
Co-Chair	2018 - 2019
Medical Executive Committee	
Member	2018 - 2020
Cleveland Clinic Foundation	
Fellowship Evaluation Committee	
Member	2021
Johns Hopkins Bloomberg School Of Public Health	
Black Graduate Student Association	
President	2010 - 2011
Johns Hopkins Urban Health Institute	
Abstract Reviewer	2010
Mental Health Student Group	
Chair	2010 - 2011
Student Assembly	
Mental Health Representative	2008 - 2009

Community Affairs Vice President	2009 - 2010
Student Diversity Ambassador	2009 - 2010
Student Outreach Center Student Governing Board Member	2010 - 2012
The Johns Hopkins University Alumni Association Baltimore Chapter Community Service Chair Executive Committee Member	2009 - 2012 2009 - 2012
Class of 2008 Reunion Programming Chair	2013
Wayne State University School of Medicine Interviewer	2023 - 2024
Alumni Association Board of Governors Member	2022 - Present
Black Medical Association Internal Vice President	2015 - 2016
Reach Out to Youth Coordinator	2013 - 2014
Treasurer	2013 - 2014
Board of Student Organizations President	2015
Executive Student Senate Member	2015
LCME Student Committee Member	2015 - 2016
MPH Internal Advisory Committee Member	2014 - 2015

## **Presentations Extramural**

### **National or International**

#### **Invited**

Violence Exposure during Adolescence and Young Adulthood From the Cradle to the Grave: Physician Leadership in Violence Prevention and Intervention Panel 113th Annual National Medical Association Convention and Scientific Assembly Detroit, Michigan	07/2015
Sowing Seeds Specialty Series Program: Anesthesiology Student National Medical Association	07/2020
Addressing Alcohol Outlet Density through a Race Equity Lens US Alcohol Policy Alliance	01/2021
Speaker Black Men Medical Doctors Virtual Speaker Series Bloom Project Inc.	2021

Understanding the Struggle of Patient Access to Perioperative Medical Care American Osteopathic College of Anesthesiologists Midyear Seminar	03/2021
When Your Greatest Obstacle becomes Yourself: Understanding and Overcoming Imposter Syndrome Student National Medical Association Annual Medical Education Conference	04/2021
Perioperative Health Disparities Virtual presentation due to COVID-19 National Medical Association 2021 Virtual Convention and Scientific Assembly	07/2021
Point-of-Care Ultrasound Forum Session Moderator and Presenter: Airway and Gastric Ultrasound Anesthesiology Section National Medical Association 2021 Virtual Convention and Scientific Assembly	07/2021
Point of Care Ultrasound (POCUS) Forum, Anesthesiology Section Faculty National Medical Association (Virtual)	07/2021
Virtual Presentation Includes students and residents from programs all across the country Anesthesiology Journal Club	01/2022
Moderator Fellow and Resident Poster Session Society for Cardiovascular Anesthesiologists 44th Annual Meeting and Workshops Palm Springs, California	05/2022
Health Disparities and Anesthesia CME Current Reviews	07/2022
Lung/Pleura: Every Breath you Take – We'll be Watching Facilitator, Point of Care Ultrasound Workshop National Medical Association 2022 Annual Convention and Scientific Assembly Atlanta, Georgia	07/2022
Point of Care Ultrasound (POCUS) Forum, Anesthesiology Section Faculty National Medical Association Atlanta, Georgia	07/2022
Increasing Value of Anesthesiology through Public Health Association of University Anesthesiologists (AUA) 2022 Webinar Series	08/2022
MD/PhD Perspectives in Diversity Medical Education and Biomedical Services Panelist Pathways to Physician Diversity: A National Summit Scottsdale, Arizona	10/2022
FAER/ARMA Sponsored Mentoring Session Panelist ASA Annual Conference 2022 New Orleans, Louisiana	10/2022
FAER/eSAS: A Day for New Researchers Moderator for Medical Student and Resident Poster Presentations ASA Annual Conference 2022 New Orleans, Louisiana	10/2022
Mayo Clinic Office of Health Equity and Inclusion Overview Defense Health Board Health Systems Subcommittee U.S. Department of Defense	01/2023

Mission Possible - Topic: Fellow to Private Practice SCA Abstract Review Panelist Society for Cardiovascular Anesthesiologists Annual Meeting Portland, Oregon	05/2023
Moderator Fellow and Resident Poster Session 2 Society for Cardiovascular Anesthesiologists Annual Meeting Portland, Oregon	05/2023
Virtual Journal Club - Faculty Moderator The Medical Student Anesthesia Research Fellowship (MSARF) Summer Program, Foundation for Anesthesia Education and Research American Society of Anesthesiologists	06/2023
5 Impactful Articles, Anesthesiology Subspecialty Forum II Moderator National Medical Association New Orleans, Louisiana	07/2023
Point of Care Ultrasound (POCUS) Forum, Anesthesiology Section Moderator National Medical Association New Orleans, Louisiana	07/2023
Point of Care Ultrasound (POCUS) Forum, Anesthesiology Section Faculty National Medical Association New Orleans, Louisiana	07/2023
Finding the Right Research Question and Path, Right Environment and Culture, and Right Mentor. A Day for New Researchers Foundation for Anesthesia Education and Research. American Society of Anesthesiologists Annual Meeting San Francisco, California	10/2023
Table Captain, A Day for New Researchers Foundation for Anesthesia Education and Research. American Society of Anesthesiologists Annual Meeting San Francisco, California	10/2023
Advancing Academics to Leadership (A2L) Program Panelist Mayo Clinic	04/2024
DEI Scholars Program Panelist Society of Cardiovascular Anesthesiologists Annual Meeting	04/2024
Resident and Fellow Poster Session Moderator Society of Cardiovascular Anesthesiologists Annual Meeting	04/2024
Mission Possible - Topic: Fellow to Academia Panelist Society for Cardiovascular Anesthesiologists Annual Meeting Toronto, Ontario, Canada	04/2024
Invited Faculty <a href="https://www.physicianscientists.org/mpage/apsa-diversity-summit">https://www.physicianscientists.org/mpage/apsa-diversity-summit</a> American Physician Scientists Association and Burroughs Welcome Fund Diversity Summit Raleigh, North Carolina	06/2024

Diversity in EACTAIC and JCVA Communities EACTAIC-JCVA A Joint Webinar on AI, International Patient Safety, Diversity, and Research Ethics	09/2024
<b>Oral</b>	
Zoning as a Public Health Tool to Prevent and Reduce Violence: A Focus on Problem Alcoholic Beverage Sellers and Reducing Alcohol Outlet Density World Health Summit Berlin, Germany	11/2013
Advances in GIS Methods for Addiction Research The Use of GIS and GPS Technology in Addiction Research Workshop 76th Meeting of the College on Problems of Drug Dependence San Juan, Puerto Rico	06/2014
Using Zoning to Improve Public Health: Transforming the Alcohol Environment 15th International Conference on Urban Health Kampala, Uganda	11/2018
Association between Antisocial Behavior Polygenic Scores and Adolescent Subclinical and Clinical Externalizing Behaviors Society for Research in Child Development 2019 Biennial Meeting	04/2019
The Interplay between a Conduct Disorder Polygenic Risk Score and Community Disadvantage in Predicting Marijuana Use Disorders Society for Research in Child Development 2019 Biennial Meeting	04/2019
Teacher-Student Incongruence in Perceptions of School Equity 27th Annual Meeting for the Society for Prevention Research San Francisco, California	05/2019
Derivation and Validation of Clinical Phenotypes of the Cardiopulmonary Bypass-induced Inflammatory Response Perioperative Care Scientific Session: Year in Review - What is the Other Side Reading American Association for Thoracic Surgery's Annual Meeting	2022
Anesthesiology Journal Club Virtual Presentation National Medical Association, Anesthesiology Section	03/2022
Anesthesiology Journal Club Virtual Presentation National Medical Association, Anesthesiology Section	04/2022
Black Men in Medicine Annual Medical Education Conference Student National Medical Society Orlando, Florida	04/2022
Preparing for Your First Job: What You Should Know! Facilitator; Women in Cardiothoracic Anesthesia (WICTA) Professional Development Mentoring Program Society of Cardiovascular Anesthesia	04/2022
2022 Road to Residency - Anesthesia Panel Tour for Diversity in Medicine (Virtual Presentation)	08/2022
Diversity Science: Creating a Culture that Supports Health Equity C2Dream Monthly Health Equity Seminar Series	03/2023
Black Men in Medicine: A Physician Perspective Annual Medical Education Conference (AMEC); Student National Medical Association Hartford, Connecticut	04/2023



Brilliance Embodied: Evaluating the Mission and Revitalizing Our Purpose Annual Medical Education Conference (AMEC); Student National Medical Association Hartford, Connecticut	04/2023
Not Yet: Utilizing the Growth Mindset to Achieve Your Dreams Annual Medical Education Conference (AMEC); Student National Medical Association Hartford, Connecticut	04/2023
Social Determinants of Health, Health Care Disparities, and Health Inequities: The Role of Hospitalists; Clinical Challenges in Hospital Medicine American College of Osteopathic Internists 2023 Virtual Spring Meetings	05/2023
Providers and Payer Approaches to Addressing Health Disparities Workgroup for Electronic Data Interchange (WEDI) Spring Conference (Virtual Meeting)	05/2023
Introduction to Clinical and Translational Research Course Faculty University of Puerto Rico School of Medicine San Juan, Puerto Rico	01/2024
Redefining Quality: The Role of Equity in Patient Care Mayo Clinic EverybodyIn Conversations (Online)	03/2024
Providing Care to Vulnerable Populations Health Services Research What Does this Mean and Why Might it be helpful in Perioperative Cardiovascular Medicine? Society of Cardiovascular Anesthesiologists Annual Meeting	04/2024
Promoting Population Health Through Innovative Community Engagement: Case Studies and Lessons Learned International Anesthesia Research Conference Seattle, Washington	05/2024
The Anesthesiologist as a Public Health Physician: The Public Health Role of in Preventing Substance Misuse International Anesthesia Research Conference Seattle, Washington	05/2024
Point-of-Care Ultrasound Forum Session Moderator and Presenter: Lung Ultrasound; Anesthesiology Section National Medical Association 2024 Annual Convention and Scientific Assembly New York, New York	08/2024
The ABCs of Academic Medicine: What the Fine Print Doesn't Tell You Panelist National Medical Association 2024 Annual Convention and Scientific Assembly New York, New York	08/2024
Health Disparities and Health Equity 26th Annual Mayo Clinic Internal Medicine Update Sedona, Arizona	10/2024
Health Care Disparities in Men 2024 Men's Health Update: Engagement, Prevention and Performance Phoenix, Arizona	12/2024
Introduction to Clinical and Translational Research Course Faculty University of Puerto Rico School of Medicine San Juan, Puerto Rico	01/2025

Anesthesia & Analgesia Journal Club: How to Read and to Apply Various Types of Papers Faculty International Anesthesia Research Conference Honolulu, Hawaii	03/2025
How to Be a Great Anesthesia & Analgesia Peer Reviewer (IARS with SOCCA) Faculty International Anesthesia Research Conference Honolulu, Hawaii	03/2025
Writing Your Manuscript for Anesthesia & Analgesia: What Do Our Editors Expect? Faculty International Anesthesia Research Conference Honolulu, Hawaii	03/2025
Writing Your Manuscript for Anesthesia & Analgesia: What Do Our Editors Expect? Panelist International Anesthesia Research Conference Honolulu, Hawaii	03/2025
Physician-Scientist Pathways Panel Panelist The American Physician Scientists Association and the Student National Medical Association	04/2025
Virtual Second Look Day Panelist Wayne State University School of Medicine	04/2025
<b>Poster</b>	
Environmental Deterioration and Childhood Health Outcomes in Baltimore City Children 2nd Annual Conference for the Dissemination of Student Research on Addictions, Infectious Disease, and Public Health Baltimore, Maryland	04/2008
Evaluating the Impact of Alcohol Outlet Proximity to Schools on Children's Exposure to Violence, Alcohol, Tobacco, and other Drugs: Implications for Alcohol Policy and Zoning Enforcement Annual Meeting of the Association of American Geographers	03/2009
Environmental Indicators and Depression in Urban School Children 3rd Annual Conference for the Dissemination of Student Research on Addictions, Infectious Disease, and Public Health Baltimore, Maryland	04/2009
Spatial Analysis of Injection Drug Use, Drug Treatment, and HIV in Baltimore City 71st Annual Meeting of the College on Problems of Drug Dependence Reno, Nevada	06/2009
Spatial Analysis of Injection Drug Use, Drug Treatment, and HIV in Baltimore City Annual Meeting of the Association of American Geographers	04/2010
Neighborhood and School Safety, Neighborhood Violence, and Academic Achievement in Urban School Children 4th Annual Conference for the Dissemination of Student Research on Addictions, Infectious Disease, and Public Health Baltimore, Maryland	05/2010
Effective Strategies for Working with Municipal Government Officials to Reduce Alcohol-Related Violence among School Children: Building Bridges from Research to Policy 18th Annual Meeting for the Society for Prevention Research Denver, Colorado	06/2010

Gender Differences in the Relationship between Neighborhood Environment and Childhood Depression in Urban School Children 18th Annual Meeting for the Society for Prevention Research Denver, Colorado	06/2010
Gender Differences in the Relationship between Neighborhood Environment and Childhood Depression: Results from a Community Epidemiologic Study of Predominantly African American Children 72nd Annual Meeting of the College on Problems of Drug Dependence Scottsdale, Arizona	06/2010
Novel Methods to Assess Violence, Alcohol, and Other Drug Exposure at the Neighborhood-Level: The Neighborhood Inventory for Environmental Typology (NIfETy) Method 33rd Annual Meeting for the Research Society on Alcoholism San Antonio, Texas	06/2010
The Growth of Neighborhood Hazards and Youthful Drug Involvement 72nd Annual Meeting of the College on Problems of Drug Dependence Scottsdale, Arizona	06/2010
Environmental Factors Influencing Health Disparities in Substance Use Across the Life Span: Implications for Drug Abuse Prevention American Psychological Association Annual Conference San Diego, California	08/2010
Mobilizing for Policy: Using Community-Based Participatory Research to Ban the Sale of Single Cigars International Society for the Prevention of Tobacco Induced Diseases Boston, Massachusetts	09/2010
Improving HIV Preventive Services through Geospatial Analysis 9th Annual International Conference on Urban Health New York, New York	10/2010
Reducing Alcohol-Related Violence among School Children 9th Annual International Conference on Urban Health New York, New York	10/2010
The Growth of Neighborhood Disorder and Marijuana Use among Urban Adolescents Transitioning into Young Adulthood 73rd Annual Meeting of the College on Problems of Drug Dependence Hollywood, Florida	06/2011
Increasing Enrollment in the Maryland Children's Health Program through the National School Lunch Program 10th Annual Meeting of the International Conference on Urban Health Belo Horizonte, Brazil	11/2011
Methods for Community Mapping, Surveillance, Planning and Policy Workshop 10th Annual Meeting of the International Conference on Urban Health Belo Horizonte, Brazil	11/2011
Neighborhood Disorder and Mental Health among Baltimore City Residents National Conference on Health Statistics Washington, District of Columbia	08/2012
Examining the Built Environment of Schools Using the School Assessment for Environmental Typography (SAfETy) 21st Annual Meeting for the Society for Prevention Research San Francisco, California	05/2013

Risk for Exposure to Alcohol, Tobacco, and Other Drugs on the Route to and from School: The Role of Alcohol Outlets 21st Annual Meeting for the Society for Prevention Research San Francisco, California	05/2013
Alcohol Environment, Perceived Safety, and Exposure to Alcohol, Tobacco, and Other Drugs in Early Adolescence 75th Meeting of the College on Problems of Drug Dependence San Diego, California	06/2013
Association of Objective and Perceived Neighborhood Characteristics with Tobacco Use Among Young Adults 75th Meeting of the College on Problems of Drug Dependence San Diego, California	06/2013
Monitoring Alcohol Abuse Prevention Legislation 75th Meeting of the College on Problems of Drug Dependence San Diego, California	06/2013
Neighborhood Alcohol Outlets and the Association with Violent Crime in one Mid-Atlantic City: The Implications for Zoning Policy 46th Annual Meeting of the Society of Epidemiologic Research Boston, Massachusetts	06/2013
Alcohol Outlet Policies to Reduce Crime and Improve Student Safety 22nd Annual Meeting for the Society for Prevention Research Washington, District of Columbia	05/2014
Exploring the Effects of Alcohol and Marijuana Use on Experience of Teen Dating Violence among High School Students in Maryland 76th Meeting of the College on Problems of Drug Dependence San Juan, Puerto Rico	06/2014
Income Variability by Race in Tobacco Outlet Density in Maryland 76th Meeting of the College on Problems of Drug Dependence San Juan, Puerto Rico	06/2014
Neighborhood Environment and Marijuana Use in Urban Young Adults 76th Meeting of the College on Problems of Drug Dependence San Juan, Puerto Rico	06/2014
Not in My Backyard: A Comparative Analysis of Crime Around Drug Treatment Centers, Liquor Stores, and Convenience Stores 17th Congress of ISBRA Bellevue, Washington	06/2014
Not in My Backyard: A Comparative Analysis of Crime Around Drug Treatment Centers, Liquor Stores, and Convenience Stores 37th Annual Research Society on Alcoholism Scientific Meeting	06/2014
Risk Factors for Early Alcohol Initiation: Peers, Attitudes toward Substance Use, and Environment 17th Congress of ISBRA Bellevue, Washington	06/2014
Risk Factors for Early Alcohol Initiation: Peers, Attitudes toward Substance Use, and Environment 37th Annual Research Society on Alcoholism Scientific Meeting	06/2014
Tobacco Outlets and Tobacco Use in Baltimore City from 2004-2009 76th Meeting of the College on Problems of Drug Dependence San Juan, Puerto Rico	06/2014
Trajectories of Neighborhood Disorder, Alcohol Initiation, and Alcohol Use among Urban Adolescents 76th Meeting of the College on Problems of Drug Dependence San Juan, Puerto Rico	06/2014

Child and Youth Mortality in Baltimore City, the Geography of Disadvantage 142nd Annual Meeting of the American Public Health Association New Orleans, Louisiana	11/2014
Clustering of Adolescent Marijuana Use in Low-Income, Urban Neighborhoods 23rd Annual Meeting for the Society for Prevention Research Washington, District of Columbia	05/2015
Measuring School Security 23rd Annual Meeting for the Society for Prevention Research Washington, District of Columbia	05/2015
Preparing Students for Success: How Preschool Expansion may have Improved Elementary School Outcomes for Children in Baltimore City, Maryland 23rd Annual Meeting for the Society for Prevention Research Washington, District of Columbia	05/2015
The Moderating Role of Spirituality in the Relationship between School-Related Stress and Substance Use 23rd Annual Meeting for the Society for Prevention Research Washington, District of Columbia	05/2015
Using GIS and Observational Data Collection to Inform Alcohol Outlet Zoning Legislation 23rd Annual Meeting for the Society for Prevention Research Washington, District of Columbia	05/2015
National Trends in Surgical Treatment Patterns of Proximal Humerus Fractures from 2002-2012 Michigan Orthopaedic Society Annual Scientific Meeting Mackinac Island, Michigan	06/2015
A Socio-Ecological Examination of the Association between School-Related Stressors and Obesity Society for Research on Adolescence Biennial Meeting Baltimore, Maryland	04/2016
Place Matters: Understanding the Role of the Neighborhood Environment on Urban African American Adolescent Marijuana Use Society for Research on Adolescence Biennial Meeting Baltimore, Maryland	04/2016
Evaluating Nighttime Observational Measures of Neighborhood Disorder: Validity of the Nighttime NifETy Assessment 24th Annual Meeting for the Society for Prevention Research Palm Springs, California	05/2016
Finding Significant Stress Episodes in Discontinuous Time Series of Rapidly Varying Mobile Sensor Data ACM CHI 2016 Conference San Jose, California	05/2016
Google Earth Validation of Environmental Measures of Risk and Health Inequality 24th Annual Meeting for the Society for Prevention Research Palm Springs, California	05/2016
Ninety Minutes into the Future: Predicting Momentary Mood from Several Hours of GPS Tracks 24th Annual Meeting for the Society for Prevention Research Palm Springs, California	05/2016
Obese and Overweight Youth: Risk for Experiencing Bullying Victimization and Internalizing Symptoms 25th Annual Meeting for the Society for Prevention Research Washington, District of Columbia	05/2017

The Impact of the Urban Neighborhood Environment on Longitudinal Transitions in Marijuana Use during Emerging Adulthood 79th Annual Meeting for the College on Problems of Drug Dependence Montreal, Quebec, Canada	06/2017
The Contributions of Genetic and Contextual Factors to Alcohol and Marijuana Use and Disorders in African American Young Adults NIDA Genetic Consortium Meeting Rockville, Maryland	01/2018
Alcohol Policies to Reduce Youth Violence: Lessons Learned from a Cross-Sectional Analysis 18th Annual Alcohol Policy Conference Washington, District of Columbia	04/2018
This is Baltimore! Examining the Effects of the New 300-Foot Rule n Alcohol Outlet Density 2018 Annual Meeting of the Association of American Geographers	04/2018
Individual and Neighborhood Factors Associated with Sexual Risk Typologies in Two Urban African American Longitudinal Cohorts 26th Annual Meeting for the Society for Prevention Research Washington, District of Columbia	05/2018
Trajectories of Violent Behavior during Adolescence Among Males Living in Urban Neighborhoods 26th Annual Meeting for the Society for Prevention Research Washington, District of Columbia	05/2018
Intraoperative Pulmonary Embolism Diagnosed by TEE in a Morbidly Obese Patient Undergoing Orthopedic Surgery Following Motor Vehicle Crash American Society of Anesthesiologists' Annual Meeting San Francisco, California	10/2018
Associations between Residential Mobility, Scholastic and Social Competence, and Depressive Symptoms Among African American Youth Society for Research in Child Development 2019 Biennial Meeting	04/2019
Associations Between Residential Mobility, Scholastic and Social Competence, and Depressive Symptoms Among African American Youth 27th Annual Meeting for the Society for Prevention Research San Francisco, California	05/2019
Does Early Onset Marijuana Use Increase the Risk of Young Adult Anxiety and Depression in Urban Youth? Evidence from a Baltimore City Cohort 27th Annual Meeting for the Society for Prevention Research San Francisco, California	05/2019
Multimodal Approach to Managing Pain in Patients Undergoing Thoracic and Lumbar Spine Surgery: Utility of the Erector Spinae Plane Block American Society of Anesthesiologists' Annual Meeting	10/2020
Effect of Low Dose Hydroxyethyl Starch 13//0.4 on Factor VIII and von Willebrand's Factor in Cardiac Surgery 43rd Annual Society of Cardiovascular Anesthesiologists Annual Meeting	04/2021
Racial Differences in Compensation among U.S. Anesthesiologists: Results of a National Survey Vandenberg M (presenter) American Society of Anesthesiologists Annual Conference Atlanta, Georgia	10/2022

Individual- and Community-level Socioeconomic Status and Renal Transplant Outcomes Patel S (presenter) Western Anesthesia Resident Conference Scottsdale, Arizona	04/2023
Carcinoid Heart Disease: Anesthetic Considerations for Percutaneous Pulmonary Valve Insertion Binder Jr WJ (presenter) Society of Cardiovascular Anesthesiologists Annual Meeting Portland, Oregon	05/2023
Acute Unilateral Pulmonary Edema Following Attempted ASD Closure. Medically Challenging Cases American Society of Anesthesiologists Annual Meeting San Francisco, California	10/2023
Individual- and Community-level Socioeconomic Status and Renal Transplant Outcomes American Society of Anesthesiologists Annual Meeting San Francisco, California	10/2023
Use of Ultrasound-guided Stellate Ganglion Block to Treat Refractory Ventricular Tachycardia. Medically Challenging Cases American Society of Anesthesiologists Annual Meeting San Francisco, California	10/2023
The Native American Liver Transplant Experience at a Large southwestern Liver Transplant Center American Association for the Study of Liver Diseases	11/2023
<b>Regional</b>	
<b>Invited</b>	
Testimony Economic Matters Committee Maryland General Assembly	2007
SCHIP Reauthorization Invited by Health Commissioner Mayor's Press Conference	2008
Testimony Health & Government Operations Committee Maryland General Assembly	2009
Youth Violence in Baltimore City Baltimore City Data Day Baltimore City Department of Planning Baltimore, Maryland	07/2010
Public Health Panel Baltimore City Data Day Baltimore City Department of Planning Baltimore, Maryland	07/2011
Neighborhood Environment and Adolescent Risk Behaviors Department of Family Medicine and Public Health Sciences Wayne State University Detroit, Michigan	03/2015
Acute Pain Control and Controlled Substances Safety MD-RN Alliance Cedars-Sinai Medical Center	08/2018

My Journey in Medicine STEM Speaker Series Baltimore City College High School	10/2020
Detecting Environmental Injustices: How Built Environment Research can Inform Anti-racist Policy Course: From Data to Action: Analyses to Link Public Health Research and Policy Decision-making UNC Gillings School of Global Health	03/2021
Underrepresented in Medicine Physician Panel Health Week University of Arizona College of Medicine	11/2021
Surviving Imposter Syndrome Regional VII Medical Education Conference Student National Medical Association	01/2022
Evaluating the Built Environment to Prevent Youth Substance Abuse Spotlight Series Johns Hopkins Bloomberg School of Public Health	02/2022
Exposure to Racial Equity Research in Medicine Break the Glass Mentorship Program Department of Radiology, Stanford Medicine	02/2022
Medical Specialty Webinar - Anesthesiology Wayne State Medical Alumni Association	02/2022
Arizona's Transformative Journey to Health Equity Keynote Presentation Arizona Health Equity Conference Tempe, Arizona	09/2023
Career Options after Residency and Training Faculty/Panelist Arizona Society of Anesthesiologists Annual Meeting Chandler, Arizona	01/2024
Advancing Health Equity in Phoenix: Barriers, Opportunities, and the Path Forward Keynote Presentation National Association of Hispanic Nurses, Phoenix Chapter Annual Conference Phoenix, Arizona	08/2024
Physician as Patient: Lessons Learned Alumni Voices Wayne State University School of Medicine Detroit, Michigan	10/2024
Young Alumni Panel Moderator Baltimore City College Science, Technology, Engineering, and Mathematics (STEM) Speaker Series	02/2025
<b>Oral</b>	
Does a Perioperative Surgical Home for Spine Patients Improve Clinical Outcomes? 55th Annual Meeting for the Western Anesthesia Residents' Conference Portland, Oregon	04/2017
Resident Problem-based Learning Discussion: Post-Cardiopulmonary Bypass Complications Presented to residents Cleveland Clinic Foundation	10/2020



Fighting for Justice and Health Equity Panelist; provided remarks, A Voice for Change: The Power of Public Health Johns Hopkins Bloomberg School of Public Health	2022
The Mental Health Legacy of Today's Public Health Challenges Panelist; provided remarks, A Voice for Change: The Power of Public Health Johns Hopkins Bloomberg School of Public Health	2022
Anesthesiology Medical Specialty Webinar Wayne State University School of Medicine	02/2022
Evaluating the Built Environment to Prevent Youth Substance Abuse Spotlight Series Johns Hopkins Bloomberg School of Public Health	02/2022
Exposure to Racial Equity Research in Medicine Break the Glass Mentorship Program Department of Radiology, Stanford Medicine	02/2022
My Journey in Medicine and Health Care Disparities Mayo Clinic CARES Mayo Clinic College of Medicine, Office for Education Diversity, Equity, and Inclusion Phoenix, Arizona	06/2024
Community Health: Assessment and Improvement Measures Program (CHAMP) Grant Reviewer Mayo Clinic Center for Clinical and Translational Science (CCaTS)	08/2024
Health Equity and Practice: Every Patient Matters Mayo Clinic Quality Forum	08/2024
Tech and Equity; Digital Health Readiness Mayo Clinic School of Continuous Professional Development	09/2024
<b>Poster</b>	
Addressing the Opioid Epidemic: The Association between Preemptive Analgesia, Pain Control, and Opioid Use 3rd Annual GME Patient Safety/Quality Improvement Day Cedars Sinai Medical Center Los Angeles, California	05/2018
Delayed Emergence following a Bilateral Thyroidectomy 56th Annual Meeting for the Western Anesthesia Residents' Conference San Diego, California	05/2018
Enhanced Recovery after Trauma (ERAT): Decreasing the Burden of Opioid Abuse and Misuse 3rd Annual GME Patient Safety/Quality Improvement Day Cedars Sinai Medical Center Los Angeles, California	05/2018
Intraoperative Pulmonary Embolism Diagnosed by TEE in a Morbidly Obese Patient Undergoing Orthopedic Surgery following Motor Vehicle Crash 56th Annual Meeting for the Western Anesthesia Residents' Conference San Diego, California	05/2018
Judge for the Poster Session Hosted by MCA Anesthesiology Residency Program Western Anesthesia Resident Conference Scottsdale, Arizona	03/2023 - 04/2023

**Visiting Professorship****Visiting Professorships**

Preoperative Evaluation and Perioperative Health Disparities Family Medicine Residency Program Michigan State University, College of Human Medicine	02/2022
Journal Club HFH Residents Henry Ford Health, Department of Anesthesiology	10/2022
Perioperative Health Care Disparities Grand Rounds Henry Ford Health, Department of Anesthesiology	10/2022
Understanding the Role of Anesthesiologists in Addressing Health Care Disparities Department of Cardiothoracic Anesthesiology Cleveland Clinic Foundation, Anesthesiology Institute	01/2023
Perioperative Health Disparities Department of Anesthesiology Wayne State University School of Medicine	01/2023
Disparities in Health Care Department of Cardiothoracic Anesthesiology Cleveland Clinic Foundation, Anesthesiology Institute	03/2023
Clinical Ethics Case Conference Duke Trent Center Duke University Durham, North Carolina	12/2023
Improving the Delivery of Perioperative Care for Patients Undergoing Solid Organ Transplantation Duke Transplant Center Duke University Durham, North Carolina	12/2023
Perioperative Health Care Disparities: The Role of Anesthesiologists Department of Anesthesiology, Critical Care and Pain Medicine University of Texas Health Houston, Texas	03/2024
Perioperative HealthCare Disparities: The Role of Anesthesiologists Department of Anesthesiology, Perioperative and Pain Medicine Icahn School of Medicine at Mount Sinai New York, New York	08/07/2024
Perioperative Healthcare Disparities: The Role of the Medical Workforce Department of Anesthesiology and Critical Care Medicine Johns Hopkins University	04/2025

**Clinical Practice, Interests, and Accomplishments**

Cardiothoracic Anesthesiology  
Health Disparities and Health Inequities  
Preventive Medicine  
Regional Anesthesia and Acute Pain Medicine

## Research Interests and Accomplishments

Effects of exposure to violence and environmental stress on children and families

Evaluation of community-level interventions

Risk and protective factors

Substance use prevention

Survey design

## Quality Initiatives

### Quality Improvement Projects

Achieving Health Equity: Improving the A1c Control of African American, Native American/Alaskan or Latino/Hispanic Patients with Type 2 Diabetes (Silver Project) 02/24/2025  
 Stacey R. Barnett, MSN, RN, Molly M. Kresin, DO, Tara R. Belle, DNP, MSN, RN, CRRN, Stephanie A. Boyle, MSN, RN, Angela N. Coulter, PharmD, RPh, Elvira Rzayeva, MSN, RN, Michael A. Campbell Jr., PharmD, RPh, Megan R. Handley-Kelly, PharmD, RPh, **Adam J. Milam, MD, PhD**, Sara Shihab, MD.

### Quality

QI project at Cleveland Clinic: Safe placement of transvenous pacing catheters for cardiac surgery patients 01/2021 - 06/2021

QI project at Cedars-Sinai Medical Center: Opioid medication safety 07/2018

## Research Grants Awarded

### Active Grants

#### Federal

Principal Investigator Loan Repayment Program (LRP) Award. Funded by NIH/National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) 07/2022 - 07/2024

Principal Investigator Harnessing Digital Tools to Increase In-person Interpreter Engagement among Patients with Language Barriers and Complex Care Needs. Funded by NIH 05/2024 - 05/2025

Principal Investigator Health Data Disparities and Opioid-Involved Overdose Deaths: A 20-Year Retrospective Analysis and the Impact of the COVID-19 Pandemic. Funded by NIH. (MD020478) 08/2024 - 08/2025

#### Federal sub award

Program Director / Principal Investigator Mayo Clinic Center for Clinical and Translational Science (CCaTS UL1). Funded by National Center for Advancing Translational Sciences. (TR002377) 07/2024 - 06/2026

#### Mayo Clinic

Program Director / Principal Investigator Individual and Structural-level Determinants associated with Racial/Ethnic Disparities among Transplant Patients . Funded by Development - Benefactor Funded Career Development Award 07/2022 - 06/2025

Principal Investigator Social and Relational Capital to Improve Equity in Liver Transplantation. Funded by 2024 Kern Center Funding Opportunity 05/2024 - 05/2025

Principal Investigator Acute Pain Management Experience during the Perioperative Period. \$5,000. Funded by Mayo Clinic, Department of Anesthesiology and Perioperative Medicine 07/2024 - 12/2024

Program Director / Principal Investigator	Acute Pain Management Experience during the Perioperative Period . Funded by SGP - Small Grants Program <\$10K	03/2025 - 12/2025
Co-Investigator	Utility of Digital Therapeutics in management of Type 2 Diabetes: A Feasibility Study. Funded by Mayo Clinic Center for Digital Health	07/2023 - 06/2025

**Other**

Principal Investigator	Racial and Ethnic Differences in Patient-Clinician Communication during Cardiology Telemedicine Consultations Clinical Encounters: Opportunities for Intervention. Funded by Center for Digital Health Research	06/2022 - 06/2025
Principal Investigator	Differences in Patient-Clinician Communication by Patient Demographics: Opportunities for Intervention. Funded by Center for Digital Health Research	04/2023 - 05/2025
Principal Investigator	Uncovering Social Determinants of Health and Addressing Bias in Cardiac Patient Clinical Notes using Artificial Intelligence. Funded by TBD	05/2024 - 05/2025
Investigator	Understanding Unconscious Bias in the Residency Interview Process (delayed due to pandemic). Funded by ASA Mentoring Grant Program	10/2019 - 10/2022

**Completed Grants****Federal**

Co-Investigator	Multilevel Moderators of Drugs, Violence, Poverty, and HIV Among Black Youth and Young Adults Living in Baltimore. Funded by HHS/NIH/National Institute on Drug Abuse (NIDA). (5R01DA032550)	08/2016 - 07/2019
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**Mayo Clinic**

Principal Investigator	Racial and Ethnic Health Care Disparities in Intraoperative Anesthetic Management among General Surgery Patients. Funded by 2022 Kern Center Funding Opportunity	04/2022 - 12/2023
Principal Investigator	Characteristics and Patient-Clinician Communication during Cardiology Telemedicine Clinical Encounters: Opportunities for Intervention. Funded by Mayo Clinic Department of Anesthesiology and Perioperative Medicine Small Grant Program and Office of Research Equity, Inclusion, and Diversity	06/2022 - 11/2022
Principal Investigator	Diversity in the Medical Workforce and Website Marketing Pages using Artificial Intelligence, \$10,000. Funded by Office of Research Equity, Inclusion, and Diversity	06/2023 - 11/2023
Co-Investigator	Social and Relational Capital to overcome Social Determinants of Health, CHAMP Grant, \$50,000. Funded by Office of Research Equity, Inclusion, and Diversity	01/2023 - 07/2024

**Other**

Project Leader	Barriers to HIV Testing Among Residents of a High Risk African American Community. Funded by National Institute on Drug Abuse. (R36DA022949)	10/2007 - 09/2009
Co-Investigator	Environmental Strategies for Violence and AOD Prevention. Funded by National Institute on Alcoholism and Alcohol Abuse. (R01AA015196)	04/2005 - 07/2012
Co-Investigator	Improving HIV Preventive Services through Geospatial Analysis. Funded by Johns Hopkins University Urban Health Institute	05/2010 - 10/2010

Co-Investigator	JHU Center for the Prevention of Youth Violence. Funded by Centers for Disease Control and Prevention. (1U01CE001954-01A1)	09/2011 - 09/2016
Co-Investigator	Sheppard Pratt Health System: Observations in the Maryland Safe and Supportive Schools Project. Funded by US Department of Education	10/2011 - 09/2015
Co-Investigator	Hopkins Center for Health Disparities Solutions. Funded by National Institute for Minority Health and Health Disparities. (2P60MD000214)	06/2012 - 05/2017
Co-Investigator	Alcohol Policies to Prevent and Reduce Youth Violence Exposure. Funded by Center for Disease Control and Prevention. (1R01CE002682)	09/2015 - 09/2018
Co-Investigator	The Flint Center for Health Equity Solutions. Funded by National Institute for Minority Health and Health Disparities. (U54MD011227)	07/2016 - 02/2021
Co-Investigator	The Legacy Effects of Discriminatory Housing Policies on Community Availability of Alcohol. Funded by National Institute on Alcohol Abuse and Alcoholism. (R21AA026674)	02/2019 - 01/2021

### Other

2022 HRS Expert Consensus Statement on Evaluation and Management of Arrhythmic Risk in Neuromuscular Disorders 2022  
 (<https://www.sciencedirect.com/science/article/pii/S1547527122019464?via%3Dihub>)  
 Reviewed as member of ASA Committee on Cardiovascular and Thoracic Anesthesiology.  
 Heart Rhythm (in press); online 4-29-22

## Bibliography

### Peer-reviewed Articles

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2. **Milam AJ**, Cdm FH, Pj L. Perceived School and Neighborhood Safety, Neighborhood Violence and Academic Achievement in Urban School Children. *Urban Rev.* 2010 Dec 1; 42 (5):458-467 PMID: 21197388 PMCID: PMC3011866 DOI: 10.1007/s11256-010-0165-7
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4. Whitaker D, Graham C, Furr-Holden CD, **Milam A**, Latimer W. Neighborhood disorder and incarceration history among urban substance users. *J Correct Health Care.* 2011 Oct; 17 (4):309-18 Epub 2011 Oct 02 PMID: 21969040 PMCID: PMC6413871 DOI: 10.1177/1078345811413092
5. Furr-Holden CD, **Milam AJ**, Reynolds EK, Macpherson L, Lejuez CW. Disordered neighborhood environments and risk-taking propensity in late childhood through adolescence. *J Adolesc Health.* 2012 Jan; 50 (1):100-2 Epub 2011 May 28 PMID: 22188842 PMCID: PMC3245513 DOI: 10.1016/j.jadohealth.2011.04.008
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7. **Milam AJ**, Bone L, Furr-Holden D, Coylewright M, Dachille K, Owings K, Clay E, Holmes W, Lambropoulos S, Stillman F. Mobilizing for policy: using community-based participatory research to impose minimum packaging requirements on small cigars. *Prog Community Health Partnersh.* 2012 Summer; 6 (2):205-12 PMID: 22820230 PMCID: PMC3622061 DOI: 10.1353/cpr.2012.0027
8. **Milam AJ**, Furr-Holden CD, Harrell PT, Whitaker DE, Leaf PJ. Neighborhood disorder and juvenile drug arrests: a preliminary investigation using the NifETy instrument. *Am J Drug Alcohol Abuse.* 2012 Nov; 38 (6):598-602 Epub 2012 July 11 PMID: 22783825 PMCID: PMC4392401 DOI: 10.3109/00952990.2012.701357
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### Non-Peer-reviewed Articles

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### Book Chapters

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